

JOINT APPLICATION FOR PERMITS

Idaho Department of Lands

IAN 05 2026

U.S. ARMY CORPS OF ENGINEERS - IDAHO DEPARTMENT OF WATER RESOURCES - IDAHO DEPARTMENT OF LANDS

Authorities: The Department of Army Corps of Engineers (Corps), Idaho Department of Water Resources (IDWR), and Idaho Department of Lands (IDL) established a joint process for activities impacting jurisdictional waterways that require review and/or approval of both the Corps and State of Idaho. Department of Army permits are required by Section 10 of the Rivers & Harbors Act of 1899 for any structure(s) or work in or affecting navigable waters of the United States and by Section 404 of the Clean Water Act for the discharge of dredged or fill materials into waters of the United States, including adjacent wetlands. State permits are required under the State of Idaho, Stream Protection Act (Title 42, Chapter 38, Idaho Code and Lake Protection Act (Section 58, Chapter 13 et seq., Idaho Code). In addition the information will be used to determine compliance with Section 401 of the Clean Water Act by the appropriate State, Tribal or Federal entity.

Joint Application: Information provided on this application will be used in evaluating the proposed activities. Disclosure of requested information is voluntary. Failure to supply the requested information may delay processing and issuance of the appropriate permit or authorization. Applicant will need to send a completed application, along with one (1) set of legible, black and white (8 1/2"x11"), reproducible drawings that illustrate the location and character of the proposed project / activities to both the Corps and the State of Idaho.

See Instruction Guide for assistance with Application. Accurate submission of requested information can prevent delays in reviewing and permitting your application. Drawings including vicinity maps, plan-view and section-view drawings must be submitted on 8-1/2 x 11 papers.

Do not start work until you have received all required permits from both the Corps and the State of Idaho

FOR AGENCY USE ONLY

USACE NWW-	Date Received:	<input type="checkbox"/> Incomplete Application Returned	Date Returned:
Idaho Department of Water Resources No.	Date Received:	<input type="checkbox"/> Fee Received DATE:	Receipt No.:
Idaho Department of Lands No. L9682910	Date Received: 01/06/2026	<input type="checkbox"/> Fee Received \$75 - DATE: 01/06/2026	Receipt No.: CC: 75376340 01/06/2026

INCOMPLETE APPLICANTS MAY NOT BE PROCESSED

1. CONTACT INFORMATION - APPLICANT Required:				2. CONTACT INFORMATION - AGENT:				
Name: Jeff Connelly, Mayor				Name: Chase Macpherson				
Company: City of Priest River				Company: Alta Science & Engineering, Inc.				
Mailing Address: 552 High Street, P.O. Box 415				Mailing Address: 220 East 5th Street, Suite 325				
City: Priest River		State: Idaho	Zip Code: 83856	City: Moscow		State: Idaho	Zip Code: 83843	
Phone Number (include area code): (208) 448-2123		E-mail: jconnolly@priestriver-id.gov		Phone Number (include area code): (509)599-5758		E-mail: chase.macpherson@alta-se.com		
3. PROJECT NAME or TITLE: Two Rivers Park - Shoreline Stabilization				4. PROJECT STREET ADDRESS: NA/ Nearest address is 514 Railroad Ave.				
5. PROJECT COUNTY: Bonner		6. PROJECT CITY: City of Priest River		7. PROJECT ZIP CODE: 83856		8. NEAREST WATERWAY/WATERBODY: Priest River and Pend Oreille River		
9. TAX PARCEL ID#: RPR00000250501A		10. LATITUDE: 48.175106° N LONGITUDE: 116.897216° W		11a. 1/4: NE	11b. 1/4: NE	11c. SECTION: SEC 25	11d. TOWNSHIP: T56N	11e. RANGE: R5W
12a. ESTIMATED START DATE: Oct 1, 2025		12b. ESTIMATED END DATE: Jun 1, 2026		13a. IS PROJECT LOCATED WITHIN ESTABLISHED TRIBAL RESERVATION BOUNDARIES? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Tribe:				
13b. IS PROJECT LOCATED IN LISTED ESA AREA? <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				13c. IS PROJECT LOCATED ON/NEAR HISTORICAL SITE? <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				
14. DIRECTIONS TO PROJECT SITE: Include vicinity map with legible crossroads, street numbers, names, landmarks. The site can be accessed from Highway 2 by heading South down Wisconsin Street and East on Railroad Avenue which arrives into 514 Railroad Avenue, Bonner Park West; the west side of the Project Site.								
15. PURPOSE and NEED: <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Other Describe the reason or purpose of your project; include a brief description of the overall project. Continue to Block 16 to detail each work activity and overall project. Public project to stabilize eroding shoreline, protect existing infrastructure, provide public access points for recreation, and improve water quality and habitat. For additional information please see attached document "Joint Application Supplemental Information."								

16. DETAILED DESCRIPTION OF EACH ACTIVITY WITHIN OVERALL PROJECT. Specifically indicate portions that take place within waters of the United States, including wetlands: include dimensions; equipment, construction, methods; erosion, sediment and turbidity controls; hydrological changes: general stream/surface water flows, estimated winter/summer flows; borrow sources, disposal locations etc.:

Please see attached document "Joint Application Supplemental Information."



17. DESCRIBE ALTERNATIVES CONSIDERED to AVOID or MEASURES TAKEN to MINIMIZE and/or COMPENSATE for IMPACTS to WATERS of the UNITED STATES, INCLUDING WETLANDS: See Instruction Guide for specific details.

Please see attached document "Joint Application Supplemental Information."

18. PROPOSED MITIGATION STATEMENT or PLAN: If you believe a mitigation plan is not needed, provide a statement and your reasoning why a mitigation plan is NOT required. Or, attach a copy of your proposed mitigation plan.

A mitigation plan will not be required for this project. It is the responsibility of the Contractor to provide a storm water pollution prevention plan (SWPPP) to acquire a construction general permit through Idaho DEQ. This plan will include best management practices to protect wetland areas and Lake Pend Oreille from construction activities and contain cut/fill materials on site.

The tributaries and wetland area to be impacted from the current construction route do not exceed the jurisdictional thresholds for aquatic resource impacts. Please see the attached Aquatic Resource Delineation Report for more information.

19. TYPE and QUANTITY of MATERIAL(S) to be discharged below the ordinary high water mark and/or wetlands:

Dirt or Topsoil: 0 cubic yards
 Dredged Material: 3,800 cubic yards
 Clean Sand: 0 cubic yards
 Clay: 0 cubic yards
 Gravel, Rock, or Stone: 950 cubic yards
 Concrete: 4 cubic yards
 Other (describe): Riprap : 2,650 cubic yards
 Other (describe): Breakwater Boulders : 46 cubic yards

TOTAL: 7,450 cubic yards

20. TYPE and QUANTITY of impacts to waters of the United States, including wetlands:

NATIVE SOIL (FILL ONLY) Filling:	<u>1.28</u> acres	<u>48,208</u> sq ft.	<u>547</u> cubic yards
ROCK MATERIALS ONLY Backfill & Bedding:	<u>1.58</u> acres	<u>40,270</u> sq ft.	<u>3,536</u> cubic yards
AREA OF RIPRAP PLACEMENT (MOST OF AREA DOES NOT REQUIRE C&G) Land Clearing:	<u>1.28</u> acres	<u>48,208</u> sq ft.	<u>0</u> cubic yards
NATIVE SOIL (CUT ONLY) Dredging:	<u>1.28</u> acres	<u>48,208</u> sq ft.	<u>3,781</u> cubic yards
Flooding:	_____ acres	_____ sq ft.	_____ cubic yards
NATIVE SOIL (CUT + FILL) Excavation:	<u>1.28</u> acres	_____ sq ft.	<u>4,328</u> cubic yards
Draining:	_____ acres	_____ sq ft.	_____ cubic yards
Other:	_____ acres	_____ sq ft.	_____ cubic yards

TOTALS MAY NOT BE REPRESENTATIVE AS AREAS OVERLAP (LAYERED MATERIALS).

TOTALS: 6.7 acres 184,894 sq ft. 12,192 cubic yards

21. HAVE ANY WORK ACTIVITIES STARTED ON THIS PROJECT? NO YES If yes, describe ALL work that has occurred including dates.

Clearing has occurred above the high water mark in April - May of 2025. No work has occurred below the ordinary high water line for this project



22. LIST ALL PREVIOUSLY ISSUED PERMIT AUTHORIZATIONS:

No permitting has been acquired for this project.

23. YES, Alteration(s) are located on Public Trust Lands, Administered by Idaho Department of Lands

24. SIZE AND FLOW CAPACITY OF BRIDGE/CULVERT and DRAINAGE AREA SERVED: NA Square Miles

25. IS PROJECT LOCATED IN A MAPPED FLOODWAY? NO YES If yes, contact the floodplain administrator in the local government jurisdiction in which the project is located. A Floodplain Development permit and a No-rise Certification may be required.

26a WATER QUALITY CERTIFICATION: Pursuant to the Clean Water Act, anyone who wishes to discharge dredge or fill material into the waters of the United States, either on private or public property, must obtain a Section 401 Water Quality Certification (WQC) from the appropriate water quality certifying government entity.

See Instruction Guide for further clarification and all contact information.

The following information is requested by IDEQ and/or EPA concerning the proposed impacts to water quality and anti-degradation:

- NO YES Is applicant willing to assume that the affected waterbody is high quality?
 NO YES Does applicant have water quality data relevant to determining whether the affected waterbody is high quality or not?
 NO YES Is the applicant willing to collect the data needed to determine whether the affected waterbody is high quality or not?

26b. BEST MANAGEMENT PRACTICES (BMP's): List the Best Management Practices and describe these practices that you will use to minimize impacts on water quality and anti-degradation of water quality. All feasible alternatives should be considered - treatment or otherwise. Select an alternative which will minimize degrading water quality

- 1.) SWPPP to be prepared by Contractor (BMP's may include Silt Fences, Straw Wattles, Stabilized Construction Entrance/Exits, etc.)
- 2.) Dust Control Measures
- 3.) Temporary dewatering for Shoreline Protection construction if necessary.

Through the 401 Certification process, water quality certification will stipulate minimum management practices needed to prevent degradation.

27. LIST EACH IMPACT to stream, river, lake, reservoir, including shoreline: Attach site map with each impact location.

Activity	Name of Water Body	Intermittent Perennial	Description of Impact and Dimensions	Impact Length Linear Feet
Excavation/Place Material	Priest River	Perennial	Shoreline Protection (See supplemental info. for more detail.)	750
Excavation/Place Material	Lake Pend Oreille	Perennial	Shoreline Protection (See supplemental info. for more detail.)	2,600
TOTAL STREAM IMPACTS (Linear Feet):				3,350

28. LIST EACH WETLAND IMPACT include mechanized clearing, fill, excavation, flood, drainage, etc. Attach site map with each impact location.

Activity	Wetland Type: Emergent, Forested, Scrub/Shrub	Distance to Water Body (linear ft)	Description of Impact Purpose: road crossing, compound, culvert, etc.	Impact Length (acres, square ft linear ft)
Excavation/Place Material	Emergent, Scrub/Shrub	20	Bank Stabilization/Erosion protection	4,360
TOTAL WETLAND IMPACTS (Square Feet):				4,360

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29. ADJACENT PROPERTY OWNERS NOTIFICATION REQUIREMENT: Provide contact information of ALL adjacent property owners below

<p>Name: Bonner County (Planning Department) ✓</p> <p>Mailing Address: 1500 Highway 2, Ste. 208</p> <p>City: Sandpoint State: Idaho Zip Code: 83864</p> <p>Phone Number (include area code): (208)263-1458 E-mail: planning@bonnercounty.id.gov</p>	<p>Name: Port of Pend Oreille (d.b.a. Pend Oreille Valley Railroad)</p> <p>Mailing Address: 1981 Black Road</p> <p>City: Ulsk State: WA Zip Code: 99180</p> <p>Phone Number (include area code): (509) 445-1090 E-mail: kellyd@povarr.com</p>
<p>Name: Idaho Department of Lands (Navigable Waters - Sandpoint Office)</p> <p>Mailing Address: 2550 Highway 2 West</p> <p>City: Sandpoint State: Idaho Zip Code: 83864</p> <p>Phone Number (include area code): (208)263-5104 E-mail: sandpoint@idl.idaho.gov</p>	<p>Name: USACE - Albeni Falls Dam (Real Estate Division)</p> <p>Mailing Address: 2376 E. Highway 2</p> <p>City: Oldtown State: Idaho Zip Code: 83822</p> <p>Phone Number (include area code): (208) 437-3133 E-mail: AlbeniFalls.Dam@usace.army.mil</p>
<p>Name:</p> <p>Mailing Address:</p> <p>City: State: Zip Code:</p> <p>Phone Number (include area code): E-mail:</p>	<p>Name:</p> <p>Mailing Address:</p> <p>City: State: Zip Code:</p> <p>Phone Number (include area code): E-mail:</p>
<p>Name:</p> <p>Mailing Address:</p> <p>City: State: Zip Code:</p> <p>Phone Number (include area code): E-mail:</p>	<p>Name:</p> <p>Mailing Address:</p> <p>City: State: Zip Code:</p> <p>Phone Number (include area code): E-mail:</p>

30. SIGNATURES: STATEMENT OF AUTHORIZATION / CERTIFICATION OF AGENT / ACCESS

Application is hereby made for permit, or permits, to authorize the work described in this application and all supporting documentation. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein; or am acting as the duly authorized agent of the applicant (Block 2). I hereby grant the agencies to which this application is made, the right to access/come upon the above-described location(s) to inspect the proposed and completed work/activities.

Signature of Applicant:  Date: 12-29-25

Signature of Agent:  For Chase MacPherson Date: 12/30/2025

This application must be signed by the person who desires to undertake the proposed activity AND signed by a duly authorized agent (see Block 1, 2, 30). Further, 18 USC Section 1001 provides that: "Whoever, in any manner within the jurisdiction of any department of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both".



From: [Chase MacPherson](#)
To: [Meghan Byers](#)
Cc: [Mike Ahmer](#); [Erik Sjoquist](#); [Derek Forseth](#); jconnolly@priestriver-id.gov; jimartin83856@gmail.com
Subject: Re: Notice of Incomplete Application L96S2910
Date: Friday, February 13, 2026 5:45:09 PM
Attachments: [image001.png](#)
[image002.png](#)
[Outlook-hl2zmizw.png](#)
[Keystone Land, LLC Quit Claim Deed Signed.pdf](#)
[Two Rivers - Draft Final Design Drawings - SW Outfall markup for IDL-02-13-2026.pdf](#)

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Hi Meghan,

Thank you again for your review of the Two Rivers Park encroachment permit application and for outlining items needed for completion. Please see responses below and attached documentation.

1) Zone 6 – Ownership Clarification (RP56N04W303801A):

Attached is the executed Quit Claim Deed transferring parcel RP56N04W303801A is owned by Keystone Land, LLC to the City of Priest River.

2) High Water Mark Terminology (OHWM vs AHWM): Please include the following statement with the application package:

Throughout the application materials, the applicant references the 'Ordinary High-Water Mark' (OHWM) as defined by 33 CFR § 328.3(c)(4). However, because water levels at this location are subject to manmade fluctuations governed by the Albeni Falls Dam, the federal OHWM standard is legally superseded by state criteria. Pursuant to Idaho Code § 58-13, navigable waterways include privately owned submerged lands where a dam has established an Artificial High-Water Mark (AHWM) exceeding the natural ordinary high-water mark. As the site assessment and Aquatic Resource Delineation Report identified the AHWM rather than the OHWM, all subsequent references in this application should be interpreted as, and amended to, 'Artificial High Water Mark' to ensure statutory compliance.

3) Stormwater Line Details: I've attached a markup of the profile on sheet C5 to address your comments.

- **Total stormwater line length = 50'** (everything upstream of the connecting manhole has already been constructed and is not part of this project)
- **Portion extending beyond the AHWM: 15.6'** (this is from the ex. AHWM to the end of the outfall - let us know if this is what you need).
- **Distances to adjacent littoral right lines: Clarification from IDL needed.**

All comments have been addressed except for the distances to littoral rights lines - this is unfamiliar territory for us. Can you please explain what we need to show and provide an example for us to



reference? We'll respond as soon as we get clarification to meet the February 20th deadline.

Have a great weekend,

Chase MacPherson, PE
Project Engineer



220 East 5th Street, Suite 325, Moscow, Idaho 83843
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From: Meghan Byers <MByers@idl.idaho.gov>
Sent: Thursday, January 22, 2026 8:46 AM
To: Chase MacPherson <chase.macpherson@alta-se.com>
Cc: Mike Ahmer <mahmer@idl.idaho.gov>; Erik Sjoquist <esjoquist@idl.idaho.gov>; Derek Forseth <Derek.Forseth@alta-se.com>; jconnolly@priestriver-id.gov <jconnolly@priestriver-id.gov>; jlmartin83856@gmail.com <jlmartin83856@gmail.com>
Subject: RE: Notice of Incomplete Application L96S2910

Good Morning Chase,

In response to your question regarding changing the terminology from Ordinary High-Water Mark to Artificial High-Water Mark (AHWM), given that the application consists of a large submission exceeding 500 pages, the Idaho Department of Lands will accept a written statement to be attached to the application.

The statement should clarify that references to the Ordinary High-Water Mark throughout the application were made in error and that the correct reference is the Artificial High-Water Mark (AHWM).

Please let me know if you have any additional questions.

Kind Regards,

Meghan Byers
Lands Resource Specialist – Navigable Waters



Idaho Department of Lands
2550 Highway 2 Sandpoint, ID 83864
Office: (208) 263-5104
Email: mbyers@idl.idaho.gov
<https://www.idl.idaho.gov>



From: Chase MacPherson <chase.macpherson@alta-se.com>
Sent: Tuesday, January 20, 2026 11:33 AM
To: Meghan Byers <MByers@idl.idaho.gov>
Cc: Mike Ahmer <mahmer@idl.idaho.gov>; Erik Sjoquist <esjoquist@idl.idaho.gov>; Derek Forseth <Derek.Forseth@alta-se.com>; jconnolly@priestriver-id.gov; jlmartin83856@gmail.com
Subject: Re: Notice of Incomplete Application L96S2910

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Good morning, Meghan,

Thank you for your thorough review of the Two Rivers Park application; the detailed guidance is appreciated.

We acknowledge the following points and will address them before the February 20th deadline:

- **Zone 6 – Ownership Clarification:** We will verify the ownership of parcel RP56N04W303801A and provide the required documentation.
- **High Water Mark Terminology:** Application materials will be revised to reflect the correct use of Artificial High-Water Mark (AHWM) terminology for Lake Pend Oreille.
 - **Just to clarify - do *all* application materials require this revision, or are there specific items (e.g. just the plans and specs) that require this revision?**
- **Stormwater Line Details:** We will confirm the total length of the stormwater line, identify the portion extending beyond the AHWM, and provide the distances to adjacent littoral lines as requested.

Thank you again for your assistance and guidance.

Chase MacPherson, PE
Project Engineer



220 East 5th Street, Suite 325, Moscow, Idaho 83843
Phone: 208.781.6269 | Fax: 208.883.3785 | Cell: 509.599.5758
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From: Meghan Byers <MByers@idl.idaho.gov>
Sent: Tuesday, January 20, 2026 9:42 AM
To: Chase MacPherson <chase.macpherson@alta-se.com>
Cc: Mike Ahmer <mahmer@idl.idaho.gov>; Erik Sjoquist <esjoquist@idl.idaho.gov>; Derek Forseth <Derek.Forseth@alta-se.com>; jconnolly@priestriver-id.gov <jconnolly@priestriver-id.gov>; jlmartin83856@gmail.com <jlmartin83856@gmail.com>
Subject: Notice of Incomplete Application L96S2910

Good Morning Chase,

I have reviewed the application and supporting materials for the Two Rivers project and have determined that the application is incomplete due to the items outlined below. Please submit the required materials no later than **February 20, 2026**, in order to continue with the application review process in accordance with *IDAPA 20.03.04.020.07.j*.

1. Zone 6 – Ownership Clarification:

Clarification is required regarding Zone 6 of the proposed bank stabilization project. Aerial imagery indicates that parcel RP56N04W303801A is owned by Keystone Land, LLC. Pursuant to *IDAPA 20.03.04.020.07.b*, applications must be submitted or approved by the littoral owner or, if the encroachment will lie over or upon private lands between the natural or ordinary high-water mark and the artificial high-water mark, by the owner of such lands. When the littoral owner is not the applicant, the application must bear the owner’s signature approving the encroachment prior to filing.

Please provide proof of ownership if this parcel is owned by the City of Priest River, in accordance with *IDAPA 20.03.04.020.07.a.iii*. If the parcel remains under the ownership of Keystone Land, LLC, a separate application for the proposed bank stabilization for Zone 6 will be required, along with an additional \$625.00 encroachment permit fee.

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2. High Water Mark Terminology:

Throughout the application and supporting materials, the Ordinary High-Water Mark (OHWM) is referenced. Lake Pend Oreille is regulated under the Artificial High-Water Mark (AHWM). Please revise the materials to reflect the correct terminology.

3. Stormwater Line Details:

Please confirm the total length of the stormwater line and identify the portion of the line that extends beyond the AHWM, as required pursuant to *IDAPA 20.03.04.020.07.a.vi*. Additionally, please provide the distances from the stormwater line to both adjacent littoral lines in accordance with *IDAPA 20.03.04.020.07.a.v*.

Please feel free to reach out if you have any questions regarding these items.

Kind regards,



Meghan Byers

Lands Resource Specialist – Navigable Waters

Idaho Department of Lands

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JOINT APPLICATION SUPPLEMENTAL INFORMATION

FOR

TWO RIVERS PARK – SHORELINE STABILIZATION

LIST OF PERMIT APPLICATION ATTACHMENTS:

1. Draft Final Design Plans Two Rivers Park – Shoreline Stabilization (Alta, 2025)
2. Two Rivers Park Shoreline Stabilization Basis of Design Report (Alta, 2025)
3. Aquatic Resource Delineation Report – Two Rivers Joslyn Site, Priest River, Idaho (Alta, 2025)
4. Biological Assessment – Two Rivers Joslyn Site, Priest River, Idaho (Alta, 2025)
5. Cultural Resources Survey for the Two Rivers Shoreline Stabilization, Bonner County Idaho (Plateau, 2025)

BLOCK 13 – IS THE PROJECT LOCATED ON/NEAR HISTORICAL SITE?

The project is not located on or near a registered historical site. A Cultural Resources Survey Report has been completed for the project and is included with the application; it is currently under SHPO review.

15 BLOCK 15 – PURPOSE AND NEED

The Two Rivers Park project site is a 38.4-acre City of Priest River parcel bordered by the Pend Oreille Valley Railroad (POVA) rail corridor to the north, the Pend Oreille River to the south, and the Priest River to the east. The shoreline has experienced accelerated erosion due to the confluence of the two rivers, seasonal water level fluctuations associated with Albeni Falls Dam operations, and boating activity. The project's purpose is to stabilize the shoreline, reduce sediment loading, protect adjacent riparian and wetland areas, and support public recreation access, and ultimately, a public park with many recreational activities.

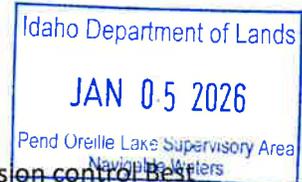
This application contains both the Base Bid and a Bid Alternate (for Zone 1 Marina), which will be reviewed at the same time. Although the USACE will consider both options as part of this application, only one alternative will receive final approval. The Bid Alternate modifies the overall project in Zone 1 by adding two riprap peninsulas (to receive future marina docks; docks are not included in this permit) and a public beach between the peninsulas constructed to the same standard as the Zone 2 Base Bid beach. The project purpose and need are unchanged; the Bid Alternate achieves shoreline stabilization and public access objectives while altering the footprint and quantities in Zone 1.

Idaho Department of Lands

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Pend Oreille Lake Supervisory Area
Navigable Waters

16 BLOCK 16 – DETAILED DESCRIPTION OF EACH ACTIVITY WITHIN OVERALL PROJECT



16.1 Construction and Site Preparation Activities

Construction and site preparation will involve the installation of stormwater and erosion control Best Management Practices (BMPs), establishment of haul routes for construction equipment both above and below the bank, clearing and grubbing activities, and removal of existing pilings and debris within the project area. These procedures will be consistent for both the Base Bid and Bid Alternate items.

Construction BMPs will be selected by the contractor to meet the requirements of the General Permit and Stormwater Pollution Prevention Plan (SWPPP); BMPs will likely include silt fencing, stabilized construction entrances/exits, straw wattles, etc.

Temporary haul routes will be established above and below the river banks in order to provide access to construction vehicles that will grade the banks, and place earth materials. The contractor will ultimately establish necessary haul routes, but it is anticipated that they will be approximately 12 feet wide above and below the grading limits of the bank; haul routes will avoid the delineated wetland areas and will not pass through low water.

Clearing and grubbing zones are shown on the project plans; vegetation will be removed as needed to provide construction access, grade the banks, and place materials. Vegetation will mostly be removed at the top of the banks; the wetland area will be preserved to the greatest extent possible and replanted with live stakes in designated areas.

Existing debris, cribs, and piles (which mainly occur in the Pend Orielle side of the shoreline) will be removed in areas shown on the project plans. BMPs and fish exclusion protocols will be installed as required for removing these items.

16.2 Detailed Descriptions and Dimensions of Project Elements

Zone 1: Marina and Stormwater Outlet Retrofit

Shoreline stabilization in this zone (STA 0+00 to 6+75) will consist of grading eroding banks to a stable 2H:1V slope, placement of a 6-inch thick aggregate base, and placement of an 18-inch thick layer of 6-inch (FHWA Class I) riprap armor over the bank. The bottom of the bank will have a 3 ft thick buried riprap toe at the base of the armor for scour protection. **See Project Plans, sheet D1 – Detail 1, for Typical Riprap Bank Section.**

Material quantities for this zone are provided in Block 19 and 20. Riprap armored banks are consistent in both the Base bid and Bid Alternate, only varying in placement along the shoreline as shown in the project plans. Armor will extend to the 100-year flood elevation (2070.2', NAVD88) per county requirements. For reviewer orientation, reference the typical section shown in the plan set (Sheet D1 – Detail 1: Typical Riprap Bank Section). Materials will be sequenced as follows: Excavation (cut, fill, and grading) and compaction, placement of geotextile, placement of aggregate filter layer, riprap placement, and additional grading to smooth tie ins to existing ground. Soil at the top of the bank will be stabilized with hydroseed.

Zone 1 contains an existing wooden stormwater outlet that will be removed and replaced with a 30-inch HDPE stormwater pipe, concrete wingwall, and riprap spillway; the stormwater outlet will daylight from the riprap stabilized bank. The outlet details design and placement remains the same in both the bid

Base Bid and Bid Alternate the same under the Bid Alternate; see sheet D2, Detail 1 - Sof the project plans

Bid Alternate (Zone 1 — Marina Peninsulas & Beach)

The Bid Alternate adds two riprap peninsulas and a public beach between the peninsulas constructed; this alternative ultimately removes the riprap stabilization in the Bid Alternate Beach Area and spans approximately between stations STA 1+10 and STA 6+90.

The Peninsulas serve as dock connection points and are armored identically to the Zone 1 riprap section (2H:1V, 6-inch aggregate base, 18-inch FHWA Class I riprap, 3-ft buried toe) with the exception of more compacted fill placed beneath the riprap armor.

The Bid Alternate beach will be constructed to the to the same specifications as the Zone 2 Base Bid beach, with the exception of the breakwater boulders; they are unnecessary as the marina docks will provide wave break projection. Construction of the Bid Alternate beach will consist of grading eroding banks to slopes of 10:1 to 20:1 upland of the Pend Orielle River Summer Pool water elevation (2066.3', NAVD88) for a beach area with placement of 1-foot-thick beach sand above the summer pool elevation. Stabilization will include placement of 1-foot-thick river rock layer below the summer pool elevation. The river bank will be graded smooth and a 6-inch layer of river rock will be placed at slope of 5:1, which generally matches the existing grade in this area.

Zone 2: Beach

From this zone onward, project features will be designated as Base Bid Items. Shoreline stabilization in this zone (STA 6+75 to 10+50) will consist of grading eroding banks to slopes of 10:1 to 20:1 upland of the Pend Orielle River Summer Pool water elevation (2066.3', NAVD88) for a beach area with placement of 1-foot thick beach sand above the summer pool elevation. Stabilization will include placement of 1-foot thick river rock layer below the summer pool elevation. The river bank will be graded smooth and a 6-inch layer of river rock will be placed at slope of 5:1, which generally matches the existing grade in this area. Breakwater Boulders will be placed along the edge of the summer pool elevation and spaced approximately 4-feet apart to dissipate incoming waves to the shoreline. Material quantities for this zone are provided in Block 19 and 20.

Zone 3: Wetland

Shoreline stabilization in this zone (STA 10+50 to 17+75) will consist of grading eroding banks to a stable 2H:1V slope, placement of a 6-inch thick aggregate base, and placement of an 18-inch thick layer of 6-inch (FHWA Class I) riprap armor over the bank. The top of the bank will have a 1-ft tall riprap berm that will tie into varying elevations along the Wetland border for wave/flood protection; this riprap berm will be slightly below the summer pool elevation to not obstruct flow from the Pend Orielle River into the wetland but will still function as a submerged wave break to protect the wetlands. The bottom of the bank will have a 3 ft thick buried riprap toe at the base of the armor for scour protection. Material quantities for this zone are provided in Block 19 and 20.

Zone 4: Wetland (Near Confluence)



Two Rivers Park – Shoreline Stabilization Joint Permit Application Supplemental Information

Shoreline stabilization in this zone (STA 17+75 to 26+00) will consist of grading eroding banks to a stable 2H:1V slope, placement of a 6-inch thick aggregate base, and placement of an 18-inch thick layer of 6-inch (FHWA Class II) riprap armor over the bank. This area is the point of confluence between the Priest River and Pond Oreille River and will utilize larger riprap for bank stabilization. The top of the bank will have a 1-ft tall riprap berm that will tie into varying elevations along the Wetland border for wave/flood protection and the bottom of the bank will have a 3 ft thick buried riprap toe at the base of the armor for scour protection. Material quantities for this zone are provided in Block 19 and 20. Riprap will be vegetated with live stakes to add natural stabilization to the wetland as well.

Zone 5: Southeast Corner

Shoreline stabilization in this zone (STA 26+00 to 30+50) will consist of grading eroding banks to a stable 2H:1V slope, placement of a 6-inch thick aggregate base, and placement of an 18-inch thick layer of 6-inch (FHWA Class II) riprap armor over the bank. The top of the bank will have a 1-ft tall riprap berm above the 100-yr flood line for wave/flood protection and the bottom of the bank will have a 3 ft thick buried riprap toe at the base of the armor for scour protection. Material quantities for this zone are provided in Block 19 and 20. Riprap will be vegetated with live stakes to add natural stabilization to the wetland as well.

Zone 6: Northeast Bank

Shoreline stabilization in this zone (STA 30+50 to 33+77) will consist of grading eroding banks to a stable 2H:1V slope, placement of a 6-inch thick aggregate base, and placement of an 18-inch thick layer of 6-inch (FHWA Class I) riprap armor over the bank. The top of the bank will have a 1-ft tall riprap berm above the 100-yr flood line for wave/flood protection and the bottom of the bank will have a 3 ft thick buried riprap toe at the base of the armor for scour protection. Material quantities for this zone are provided in Block 19 and 20.

16.3 Wetlands:

The following information was acquired from the Biological Assessment Report prepared by Alta Science and Engineering for this Project:

“Approximately 3.8 acres of palustrine emergent and scrub/shrub wetlands abut the OHWM of the Pend Oreille River within the project footprint. These wetlands primarily receive hydrology from groundwater and overbank flow during high water periods; both associated to Priest and Pend Oreille River. There is a seep located between the marina and the stormwater outfall that was flowing during the site assessment on April 11, 2025. The stormwater outfall flows during all months it is visible and not inundated by Pend Oreille River during high water levels from May to October. The streambank across the site is heavily eroded with roots of remaining conifers, deciduous shrubs and trees, and deep rooted rhizomatic grasses and forbs holding remaining soil in place. The proposed action is designed to avoid aquatic resources to the extent feasible in order to address continuing erosion. However, approximately 0.098 acres of wetland will be impacted by the placement of riprap due to engineering grading controls.”

A formal functional assessment for wetlands was not completed as impacts to wetlands were less than the jurisdictional mitigation threshold of 1/10th of an acre.

Please see attached Biological Assessment Report Appendix D for the Aquatic Resources Map.

16.4 Equipment, Construction and Methods:

It is unknown how the awarded contractor will ultimately perform the work, but certain construction methods and equipment can be anticipated. Work will be performed when the water line is low. Before any work is performed below the ordinary high water mark, erosion, sediment, and turbidity controls will be placed. See the following section for this information.

16.5 Construction Access Road Equipment and Construction

Large trucks and construction vehicles (dump trucks, excavators, dozers, etc.) will be accessing the site from the proposed staging area. As mentioned, there is a wetland area along approximately 1200 feet of the shoreline (3.59 acres) and a smaller area 150-feet north. The contractor is responsible for implementing appropriate BMPs to mitigate impacts to these aquatic areas.

16.6 Erosion, Sediment, and Turbidity Controls:

Many construction BMPs will be used on this project to ensure that materials stay on site and are not discharged to Lake Pend Orielle. BMPs include: a stabilized construction entrance/exit, silt fences, straw wattles, erosion control blankets, and revegetation of the entire site upon completion.

16.7 Hydrological Changes:

There will be minimal Hydrological changes to Priest River from this project. The shoreline protection serves to protect the shoreline against wave action and further erosion. The placed material will not contribute to changes in surface water elevation. A No Rise Analysis was done for the floodplain within the Priest River area of work.

16.8 General Stream/Surface water Flows:

Flow to the Lower Priest River is controlled by the Outlet Dam, which raises and lowers Priest Lake levels seasonally. These flows range between 60 cubic feet per second (CFS) (~27,000 gallons per minute [GPM]) during the recreation season and 800 CFS (~359,000 GPM) during the wet weather season. The Lower Priest River flows from the Outlet Dam until its confluence with the Pend Orielle River. The mouth's water elevation is influenced by the Pend Oreille River, which fluctuates with the operation of the Albeni Falls Dam. The mouth's water elevations range from 2,055 to 2,067 feet seasonally and are explained in more depth in the following sections.

Pend Oreille River is the main outflow from Lake Pend Oreille, which is approximately 148 square miles, 1,152 feet deep, and holds around 14.2 trillion gallons of fresh water. Albeni Falls Dam is located approximately 5 miles downstream of the Priest River and Pend Oreille River confluence and controls outflow from the combined Pend Oreille River and Priest River flows.

Normal dam operations maintain an outflow of approximately 10,000 CFS (low-water/winter-pool conditions) and 11,000 CFS (high-water/summer-pool conditions). However, flows can be as high as 60,000 CFS during the year as indicated by 2024 flow data. Fluctuations in dry and wet seasons drive the behavior of dam control. Historical peak flow for Albeni Falls Dam is recorded at 200,000 CFS. For more information on flows, please refer to the attached Basis of Design Report.

16.9 Borrow Sources:

Rock materials will likely be sourced from local quarries and excavated native materials will be reused where fill is required.

16.10 Disposal Locations:

Excess materials (if any) will be reused as fill on site or removed from site and disposed of in an area designated by the City.

BLOCK 17 – ALTERNATIVES CONSIDERED TO AVOID/MINIMIZE/COMPENSATE FOR IMPACTS TO WATERS OF THE U.S. (INCLUDING WETLANDS)

Impacts to Waters of the United States

There will be minimal impacts from the implementation of these portions of the project as they will take place when the lake water level is low - when construction activities can occur above the water line. Silt fences and other BMPs to avoid discharging materials will be set up during construction activities and removed when they are complete; actual BMPs used will be determined by the Contractor. The landscape of the area will change and move the alignment of the ordinary high-water mark for lake Pend Orielle, but it is anticipated that there will be minimal impacts to biological resources; see the attached Biological Assessment for more information.

Impacts to Wetlands

From the Biological Assessment Report, there is one area that will be impacted by the construction of the bank stabilization. This area exists along Station 10+50 to Station 23+00 as shown in the attached Drawing plans. It is expected that parts of the riprap armoring will extend into the delineated wetlands, in order to preserve and protect the bank from future erosion. Work intruding into the wetlands is limited and not to exceed 1/10th acre.



Idaho Department of Lands
JAN 05 2026
Pend Oreille Lake Supervisory Area
Navigable Waters

Instrument # 1008972
Bonner County, Sandpoint, Idaho
07/27/2022 01:52:19 PM No. of Pages: 5
Recorded for: BRYAN QUAYLE
Michael W. Rosedale Fee: \$0.00
Ex-Officio Recorder Deputy
Index to: CITIES ORDINANCES

CITY OF PRIEST RIVER ORDINANCE 624

Unofficial Document



ORDINANCE NO. 624

AN ORDINANCE OF THE CITY OF PRIEST RIVER, BONNER COUNTY, IDAHO, PROVIDING FOR AUTHORITY; PROVIDING FOR ANNEXATION OF LANDS INTO THE CITY; PROVIDING FOR ZONING DESIGNATION OF SAID LANDS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the City Council did request annexation of City-owned lands referred to as the Joslyn Property, generally located south of Highway 2 and east of the Bonner County Park in Section 25, Township 56 North, Range 5 West, Boise Meridian, Bonner County, Idaho; and

WHEREAS, the City, as the subject landowner, directed the Planning & Zoning Department to process a request for annexation and the City Council considered said request in accordance with §50-222, Idaho Code and specifically Category A annexations as identified at § 50-222, (3) (a); and

WHEREAS, the City Council concludes the requested annexation meets the requirements of Category A annexations and the annexation is appropriate; and

WHEREAS, the City requested said lands be zoned Municipal; and

WHEREAS, the City Council held a duly noticed public hearing resulting in the annexation and designation of the zoning of the subject.

NOW THEREFORE, THE CITY COUNCIL OF PRIEST RIVER, IDAHO HEREBY ORDAINS AS FOLLOWS:

SECTION 1: ANNEXED LANDS

The following described lands, in accordance with provisions contained in Title 50, Chapter 2, Idaho Code, are hereby annexed into the City of Priest River:

The land described herein is situated in the State of Idaho, County of Bonner, and is described in attached Exhibit 1 and depicted on attached Exhibit 2 which are incorporated herein.

SECTION 2: ZONING OF ANNEXED LANDS

The annexed lands identified in Section 1 are hereby zoned Municipal. The official zoning map of the City is hereby amended to reflect said annexation and zoning.

SECTION 3: SEVERABILITY

The provisions of this ordinance are hereby declared to be individually severable. Should any provisions of this ordinance be declared invalid by a court of competent jurisdiction,

JAN 05 2026

Pend Orellie Lake Supervisory Area
Navigable Waters

such declaration shall not affect the validity of the remaining provisions.

SECTION 4: EFFECTIVE DATE

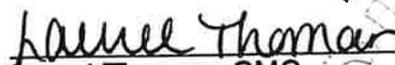
This ordinance shall take effect and be in full force upon recording and publication according to law. This ordinance or its summary shall be published in one issue of the Bonner County Daily Bee, which is hereby declared to be the official newspaper of the City for the publication of this ordinance.

APPROVED AND ADOPTED AS AN ORDINANCE OF THE CITY OF PRIEST RIVER BY THE CITY COUNCIL UNDER SUSPENSION OF THE RULES AT A REGULAR MEETING OF THE CITY COUNCIL ON THIS 5TH DAY OF JULY, 2022 UPON THE FOLLOWING ROLL CALL VOTE.

Councilmember Wagner	<u>AYE</u>
Councilmember Turner	<u>AYE</u>
Councilmember Mullaley	<u>AYE</u>
Councilmember Yount	<u>AYE</u>


 Kevin Wylie
 Mayor

ATTEST:


 Laurel Thomas, CMC
 City Clerk/Treasurer



Unofficial Document

Idaho Department of Lands
JAN 05 2026
Pend Oreille Lake Supervisory Area
Navigable Waters

Exhibit 1

Joslyn Legal Description

Parcels of land located in Section 25 Township 56 North, Range 5 West, B.M., Bonner County, Idaho and being more particularly described as follows:

Being the Northeast quarter of the Northeast quarter lying Southerly of the South Right-of-Way line of the Great Northern Railroad (also known as Burlington Northern Railroad); together with that portion of Government Lot 4 lying Southerly of the South line of the Great Northern Railroad; together with that portion of Government Lot 5 lying Southerly of the South Right-of-Way line of the Great Northern Railroad and

Less "Priest River Park" which is described as follows:

A parcel of land situated in Bonner County, being a portion of Government Lots 5 and 6 of the North half of Section 25, Township 56 North, Range 5 West, B.M., as depicted on Exhibit 2, and more particularly described as follows:

Beginning at a point where the East line of Government Lot 6 intersects the South line of the Great Northern Railroad right of way; thence North $88^{\circ}31'10''$ West, (Recorded 360.0) 390.51 feet; thence South $47^{\circ}31'10''$ East, 100.00 feet; thence due South on a line parallel with the East line of Lot 6, 40.00 feet; thence due East, 190.00 feet; thence due South on a line parallel with the East line of Lot 6, 139.00 feet to the North bank of the Pend Oreille River; thence South $82^{\circ}27'40''$ East along said river bank, 380.95 feet; thence due North on a line parallel with the East line of Lot 6, 279.93 feet; thence North $88^{\circ}31'10''$ West along the South line of the Great Northern Railroad right of way 251.11 feet to the Point of Beginning.

And together with that portion of Government Lot 6 lying Southerly of the South Right-of-Way line of the Great Northern Railroad and Westerly of Priest River in Section 30, Township 56 North, Range 5 West, B.M., Bonner County, Idaho.

JAN 05 2026

Pend Oreille Lake Supervisory Area
Navigable Waters

588059

25-54N-5W

Exhibit 2

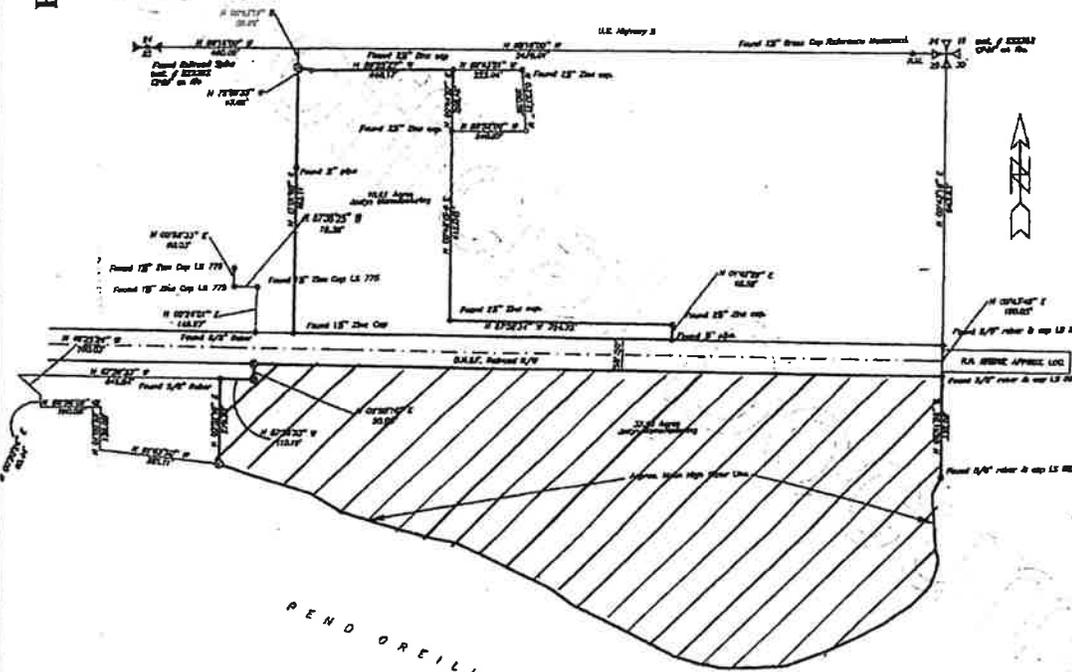
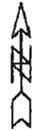
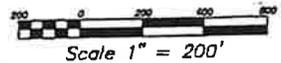
RECORD OF SURVEY

JOSLYN MANUFACTURING
SEC. 25, T. 56 N., R. 5 W. B.M.
PRIEST RIVER, BONNER COUNTY, IDAHO

LEGEND

- Found as noted
- ⊙ Set 6/8" rubber & plastic cap PLS-5713
- ⊕ Station Corner Pile in Water
- Computed point, not set
- (1) Record per Record of Survey, Instrument Number 312233
- (2) Record per Plat of Sherwood Ranch Addition No. 3

BASIS OF BEARINGS
Per Record of Survey Inst. #304340
Bnd in Bonner County Maps



= Approximation Area

SURVEYOR'S CERTIFICATE
I, Lawrence A. Ochs, P.L.S. 5713, do hereby certify that this Record of Survey has been prepared by me or under my direction in accordance with Chapter 18, Title 55 of the Idaho Code and that the map shows the same to a true representation of a survey made by me.



RECORDER'S CERTIFICATE
This is a true and correct copy of the original of this Record of Survey, as recorded in the office of the County Recorder, Bonner County, Idaho, on this 12th day of January, 2026, at 12:00 o'clock, P.M. in accordance with Chapter 18, Title 55 of the Idaho Code and that the map shows the same to a true representation of a survey made by me.

MADE SURE
County Recorder 12/26

1/4	25	56	5		RECORD OF SURVEY FOR JOSLYN MANUFACTURING CLASS & ASSOCIATES PROFESSIONAL LAND SURVEYORS One 1010 Sandpoint, Idaho 83864 200-238-4473	DATE	1/26/26
56	N	W	5			SCALE	1" = 200'
25	56	5	5	CLASS	CLASS & ASSOCIATES	DATE	1/26/26
25	56	5	5	CLASS	CLASS & ASSOCIATES	DATE	1/26/26

Idaho Department of Lands
FEB 17 2026
Pend Oreille Lake Supervisory Area
Navigable Waters

Instrument # 1058030
Bonner County, Sandpoint, Idaho
02/06/2026 04:10:01 PM No. of Pages: 4
Recorded for: CITY OF PRIEST RIVER/JAKE
Michael W. Rosedale Fee: \$0.00
Ex-Officio Recorder Deputy
Index to: QUIT CLAIM DEED

BC



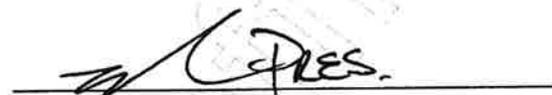
QUIT CLAIM DEED

For good and valuable consideration, Keystone Land LLC, a Washington limited liability company hereinafter referred to as Grantor, does hereby release and forever quitclaim unto the City of Priest River, a municipal corporation of the State of Idaho, hereinafter referred to as Grantee, whose current address is PO Box 415, Priest River, Idaho, 83856, and its heirs and assigns forever, all right, title, and interest which Grantor now has or may hereafter acquire in the following described real property situated in Bonner County, State of Idaho, to-wit:

Parcel Number: RP56N04W303801A, more particularly described in Exhibit 1 and depicted in Exhibit 2.

TO HAVE AND TO HOLD, all and singular the said real property, together with all appurtenances, tenements, hereditaments, reversions, remainders, rents, issues, profits, rights-of-way, and water rights in anywise appertaining to the real property herein described, as well as in law as in equity, unto Grantee, and it its heirs and assigns forever.

DATED this 6th day of February, 2026.



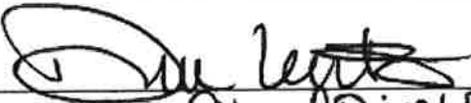
Michael Impola, President
Keystone Land, LLC



State of Idaho)
) ss
County of Bonner)

On this 6th day of February, 2026, before me, the undersigned, a Notary Public in and for said State, personally appeared Michael Impoal, as President of Keystone Land LLC, the Limited Liability Company that executed the within instrument and known or identified to me to be the person who executed the within instrument on behalf of said Limited Liability Company, said Limited Liability Company being known or identified to me to be the President of the Limited Liability Company that executed the foregoing instrument, and acknowledged to me that such Limited Liability Company executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.


Notary Public for City of Priest River

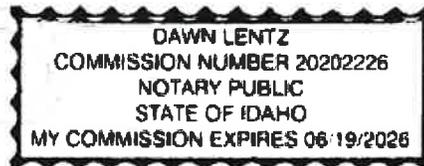




EXHIBIT 1

That portion of Lots 5 and 6 of Section 30, Township 56 North, Range 4 West, of the Boise Meridian, Bonner County, Idaho, lying west of Priest River;

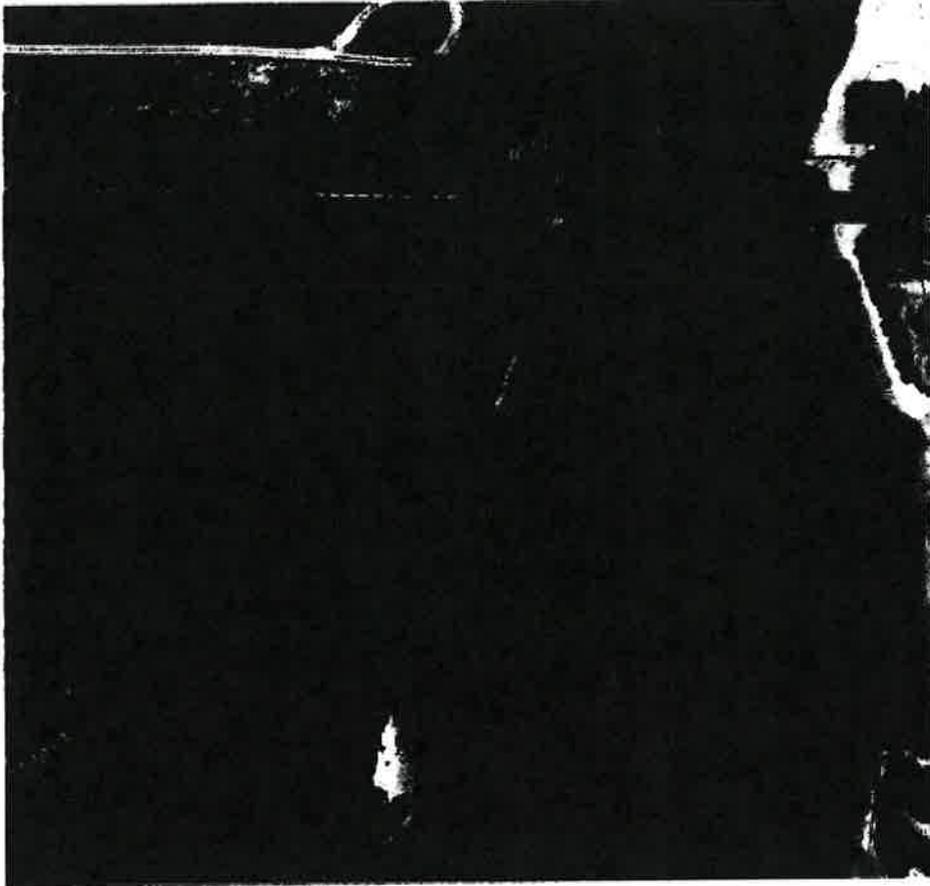
EXCEPTING THEREFROM the Burlington Northern Railroad right of way.

ALSO EXCEPTING therefrom any portion lying with the Plat of Highway 2 Addition East, according to the plat thereof, recorded in Book 5 of Plats, Page 196, records of Bonner County, Idaho.

UNRECORDED DOCUMENT

Idaho Department of Lands
FEB 17 2026
Pend Oreille Lake Supervisory Area
Navigable Waters

EXHIBIT 2



NOTICE

JAN 05 2026



Priest River

RP56N05W250501A
(North Parcel)

Hwy 2

RP56N05W250501A
(South Parcel)

Priest River

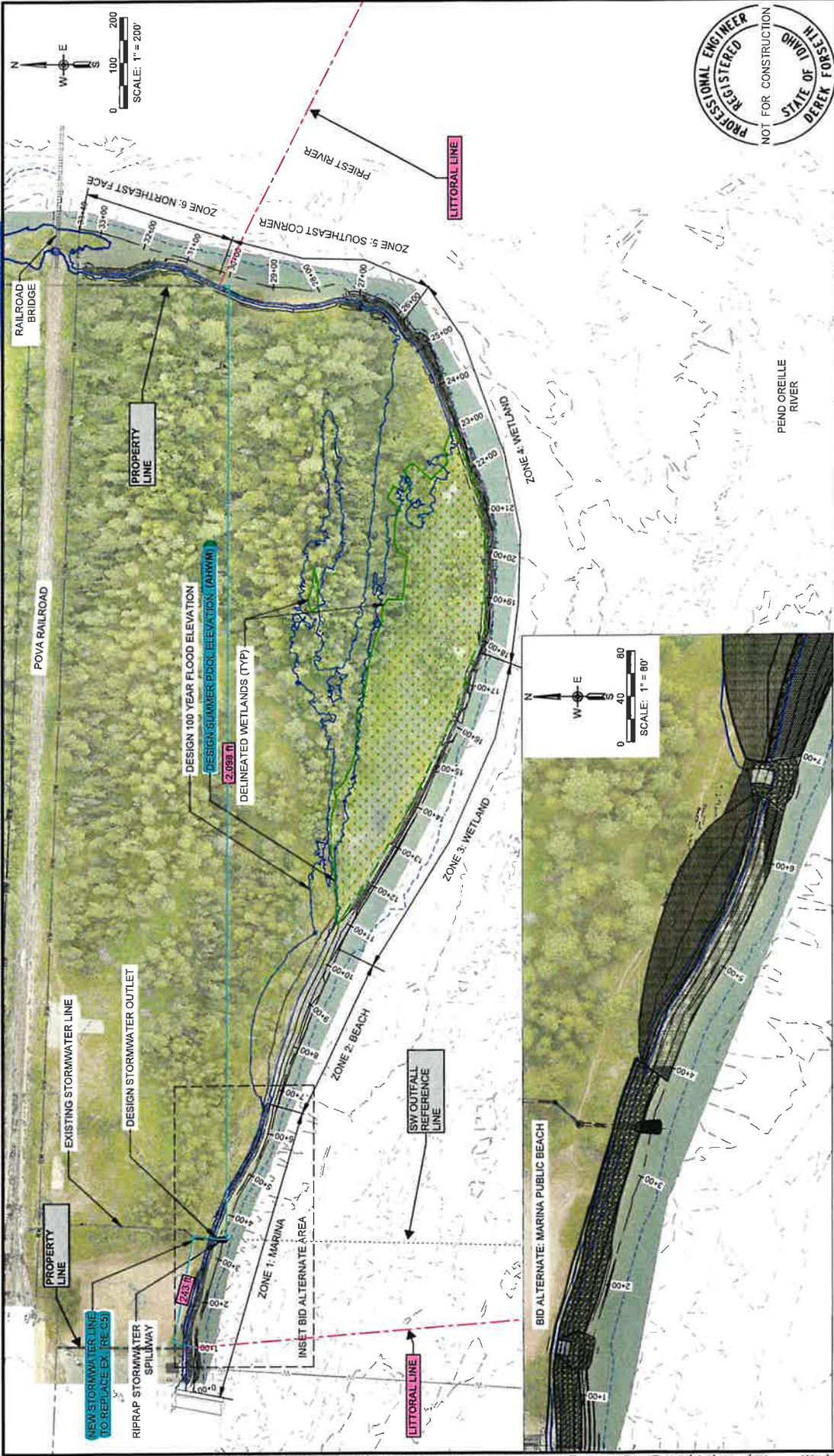
Pend Oreille River

RP56N05W250501A
RPR00000250700A
Priest River - Joslyn Manufacturing
T 56N, R 5W, portion of Section 25 (GOV LOT 4)

0 500 1,000 2,000 Feet

Figure 1
Vicinity Map
Joslyn Property

Idaho Department of Lands
FEB 20 2026
 Pend Oreille Lake Supervisory Area
 Navigable Waters

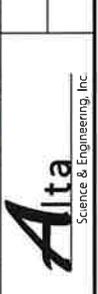


REGISTERED PROFESSIONAL ENGINEER
 STATE OF IDAHO
 DEREK FOREST
 NOT FOR CONSTRUCTION

SHEET:	C3
DATE:	12/28/2025
PROJECT NO.:	2-076
SHEET NO.:	7 OF 24

DESIGN PLAN OVERVIEW
 & SHORELINE ZONES

TWO RIVERS PARK - SHORELINE
 STABILIZATION
 BONNER COUNTY, IDAHO

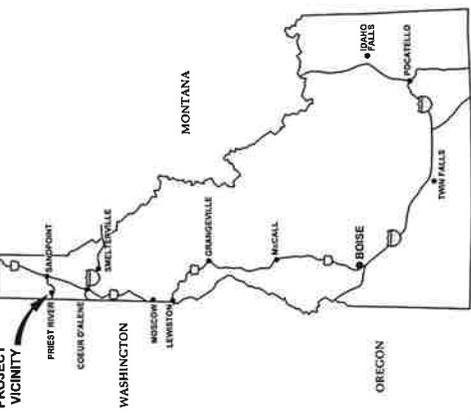


COORDINATE SYSTEM:	NSRS 11 ID-WF
DRAFTER:	M. CORNWALL
DESIGNER:	C. MACPHERSON, K. DEZU
CHECKED:	D. FORSETH
DATE:	08/22/2025
BY:	CHK
DATE:	
REVISIONS:	

NO.	DATE	REVISIONS

P:\Projects\1050\Priest River\050m Site\CAD\DESIGN_DrvtL Two Rivers_Priest_100_PERC--with Memo_Site Plan_20251222_CMCB.dwg 12/29/2025

TWO RIVERS PARK - SHORELINE STABILIZATION DRAFT FINAL DESIGN BONNER COUNTY, IDAHO DECEMBER 2025



PROJECT SPONSOR:
 IDAHO DEPARTMENT OF
 ENVIRONMENTAL QUALITY
 2110 IRONWOOD PARKWAY
 COEUR D'ALENE, IDAHO 83814
 TELEPHONE: (208) 769-1422



ENGINEER:
 ALTA SCIENCE & ENGINEERING, INC.
 1220 BIG CREEK RD.
 KELLOGG, IDAHO 83837
 TELEPHONE: (208) 786-1206



PROJECT OWNER:
 CITY OF PRIEST RIVER
 552 HIGH STREET
 P.O. BOX 415
 PRIEST RIVER, IDAHO 83866
 TELEPHONE: (208) 448-2123



SHEET:	CS
DATE:	12/26/2025
PROJECT NO.:	24076
SHEET NO.:	1 OF 34

SHEET #	COVER SHEET	GENERAL PLAN SET INFORMATION	SHEET NAME	SHEET INDEX
1	GENERAL PLAN SET INFORMATION	GENERAL PLAN SET INFORMATION	CS	CS
2-3	EXISTING CONDITIONS & SHORELINE ZONES	EXISTING CONDITIONS & SHORELINE ZONES	G1-G2	G1-G2
4	HAUL ROUTE AND CLEARING AND GRUBBING PLAN	HAUL ROUTE AND CLEARING AND GRUBBING PLAN	C1	C1
5	DESIGN PLAN OVERVIEW & SHORELINE ZONES	DESIGN PLAN OVERVIEW & SHORELINE ZONES	C2	C2
6	SITE PLAN & SECTION SHEETS	SITE PLAN & SECTION SHEETS	C3	C3
7			C4 - C26	C4 - C26
8-26			G1 - G26	G1 - G26
27-31				

TWO RIVERS PARK - SHORELINE
 STABILIZATION
 BONNER COUNTY, IDAHO



NO.	DATE	BY	CHK	REVISIONS

GENERAL NOTES AND SPECIFICATIONS

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THIS CONTRACT, AND AS REQUIRED BY THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY (IDEQ), AND ALL OTHER APPLICABLE LOCAL, STATE, AND NATIONAL REQUIREMENTS, UNLESS OTHERWISE NOTED.
- A COPY OF THESE APPROVED PLANS MUST BE POSTED AT THE JOB SITE FOR PUBLIC VIEWING AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE FAMILIAR WITH AND COMPLY WITH ALL CONDITIONS OF THE PERMITS OBTAINED FOR THE PROJECT.
- THE CONTRACTOR SHALL MEET OR EXCEED ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS FOR ALL WORK ASSOCIATED WITH THIS PROJECT AT ALL TIMES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH AND IMPLEMENT ALL CURRENT SAFETY REQUIREMENTS AND STANDARDS.
- THE GENERAL NOTES AND SPECIFICATIONS ADDRESSED HEREIN ARE NOT INCLUSIVE TO THIS PROJECT. THE CONTRACTOR SHALL ALSO ABIDE BY THE PROJECT TECHNICAL SPECIFICATIONS IN THE CONTRACT DOCUMENTS (UNDER SEPARATE COVER).
- SURVEY CONTROL POINTS ARE SHOWN ON SHEET G3. LOCATIONS AND ELEVATIONS ARE GROUND COORDINATES. ALL MONUMENTS MAY NOT BE SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS PAID FOR BY OTHER SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR FLAGGERS ON THE PROJECT SHALL BE PROTECTED AND MAINTAINED BY A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF IDAHO OR AT CONTRACTOR'S EXPENSE.
- LOCATIONS OF EXISTING SITE FEATURES ARE APPROXIMATE. CONTRACTOR SHALL FIELD-VERIFY THE EXACT LOCATION OF FEATURES AND ALL EXISTING UTILITIES BEFORE ANY WORK. UNDERGROUND UTILITIES SHALL BE LOCATED AND MARKED PRIOR TO EXCAVATION. CALL THE ONE-CALL UTILITY LOCATE SERVICE AT (800) 398-3285 AT LEAST TWO (2) WORKING DAYS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL LOCATE, PROTECT, AND IF DAMAGED DURING CONSTRUCTION, REPAIR ALL ABOVE GROUND AND BELOW GROUND UTILITIES INCLUDING GAS, ELECTRIC, SEPTIC, WATER, SANITARY, STORM, COMMUNICATION, SPRINKLERS, IRRIGATION, ETC.
- CONTRACTOR SHALL PROTECT ADJACENT PROPERTIES AND RIGHTS-OF-WAY FROM DAMAGE AND DEBRIS DURING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF THEY DISCOVER ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS ENCOUNTERED. ALLOW (48) HOURS FOR ENGINEER TO MODIFY THE DESIGN, IF NECESSARY, UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SIZING OF EQUIPMENT USED DURING THE PROJECT AND FOR WEIGHT RESTRICTIONS ON EXISTING BRIDGES AND ROADS.
- TRAFFIC CONTROL MEETINGS, MUTCD STANDARDS SHALL BE IMPLEMENTED BY CONTRACTOR WHEN WORKING IN OR ADJACENT TO PUBLIC RIGHTS-OF-WAY. CONTRACTOR SHALL BE FAMILIAR WITH CURRENT MUTCD STANDARDS AND HAVE THE ABILITY TO EMPLOY CERTIFIED FLAGGERS AT THE JOB SITE WHEN NEEDED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER ACTIONS NEEDED TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC AND PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT.
- EROSION AND SEDIMENT CONTROL IS REQUIRED AND WILL BE EMPLOYED AT ALL TIMES TO ACHIEVE BEST MANAGEMENT PRACTICES FOR STORM WATER MANAGEMENT AND SEDIMENT CONTROL, INCLUDING MATERIAL TRACKING.

PROJECT SPECIFIC NOTES

- UNLESS OTHERWISE SPECIFIED, NO WORK SHALL CONDUCTED IN THE WETLAND AREA. PRESERVE AND PROTECT WETLAND AREA PER THE PROJECT SPECIFICATIONS AND PERMITS.
- WORK BELOW THE LOW WATER ELEVATION IS TO BE AVOIDED UNLESS REQUIRED. ALL WORK BELOW THE ORDINARY HIGH WATER LINE SHALL MEET THE REQUIREMENTS OF APPLICABLE PERMITS.
- VEGETATION DISPOSAL IS DEPENDANT ON SEASON AND SHALL BE COORDINATED WITH OWNER, UNLESS OTHERWISE SPECIFIED REMOVE AND DISPOSE OF VEGETATION OFFSITE.
- NO WORK SHALL BE CONDUCTED IN THE RAILROAD RIGHT OF WAY.
- ANY WORK RELATED TO THE STORM WATER STRUCTURE SHALL BE COORDINATED WITH THE 2024 2 RIVERS PARK PH1 - STORMWATER PLANS PREPARED BY WELCH COMER.
- PROJECT SITE IS A BROWNFIELD'S SITE; CONTAMINATED MATERIALS MAY BE ENCOUNTERED OR UNCOVERED DURING EXCAVATION ACTIVITIES. REFER TO SPECIFICATIONS FOR PROPER REMOVAL AND DISPOSAL PROCEDURES.



NO.	DATE	REVISIONS	BY	CHK	DATE

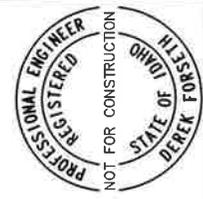
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SCALE	AS SHOWN
APPROVED:	D. FORSETH
DATE:	08/23/2025

DESIGNER	M. CORNWALL
CHECKED	D. FORSETH
DATE:	08/23/2025

PROJECT NO.	24076
SHEET NO.	2 OF 34

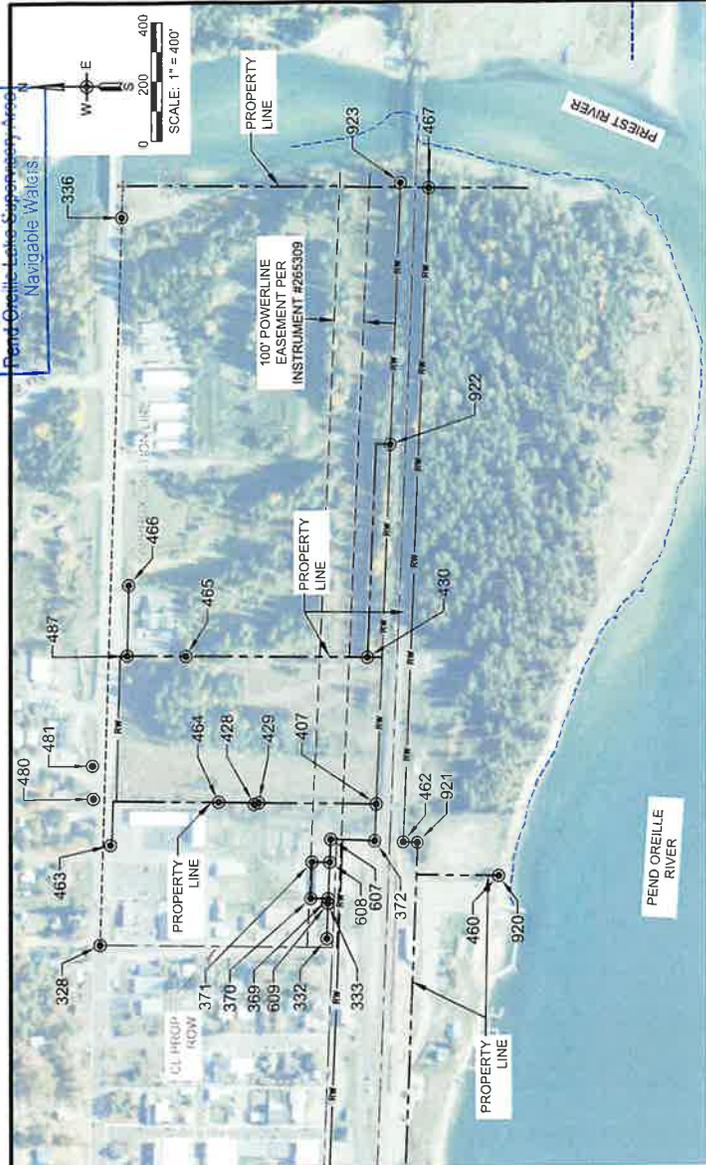
TWO RIVERS PARK - SHORELINE STABILIZATION
BONNER COUNTY, IDAHO

GENERAL PLAN SET INFORMATION



SHEET:	G1
DATE:	12/28/2025
PROJECT NO.:	24076
SHEET NO.:	2 OF 34

Idaho Department of Lands
 JAN 06 2026



NOTES:

- THE MONUMENTS SHOWN ON THIS SHEET WERE LOCATED IN ACCORDANCE WITH IDAHO STATUTE 55-1613. THIS SHEET SHOWS THE PHYSICAL EXISTENCE AND LOCATION OF THE MONUMENTS OF PROPERTY CONTROLLING CORNERS AND ACCESSORIES TO CORNERS, AS WELL AS BENCHMARKS ESTABLISHED AND POINTS SET IN CONTROL SURVEYS BY AGENCIES OF THE US GOVERNMENT OR UNDER THE DIRECTION OF A LICENSED PLS PRIOR TO THE TIME WHEN PROJECT CONSTRUCTION OR RELATED ACTIVITIES MAY DISTURB THEM. THERE IS NO GUARANTEE THAT ALL MONUMENTS ARE SHOWN OR THAT OTHER MONUMENTS MAY NOT BE DISCOVERED DURING CONSTRUCTION.
- CONTRACTOR SHALL SAVE AND PROTECT ALL MONUMENTS IN ACCORDANCE WITH C 55-1613 AND 54-1234. CONTRACTOR SHALL RE-ESTABLISH ALL MONUMENTS, ACCESSORIES TO CORNERS, BENCHMARKS AND POINTS SET IN CONTROL SURVEYS SHOWN ON THIS SHEET OR DISCOVERED DURING CONSTRUCTION THAT ARE LOST OR DISTURBED BY CONSTRUCTION. THE MONUMENTS SHALL BE RE-ESTABLISHED AND RE-MONUMENTED AT THE EXPENSE OF THE CONTRACTOR BY A LICENSED PLS. ANY MONUMENT SET SHALL CONFORM TO THE PROVISIONS OF IDAHO STATUTE 54-1227 AND REQUIRED RECORDS OF SURVEY AND CORNER PERPETUATION AND FILING (CP&F) RECORDS FILED WITH THE COUNTY RECORDS OFFICE PURSUANT TO IDAHO STATUTES 55-1904 AND 55-1804 RESPECTIVELY.
- SURVEY DATA WAS COLLECTED BY WELCH COMER AND PROVIDED TO ALTA IN GROUND COORDINATE FORMAT. HORIZONTAL CONTROL WAS BASED ON THE IDAHO COORDINATE SYSTEM OF 1983, WEST ZONE, USING A TRANSVERSE MERCATOR PROJECTION OF THE NORTH AMERICAN DATUM OF 1983 AND A PROJECT REFERENCE FRAME BASED ON NAD83 (2011), EPOCH 2010.000 WITH GRID DISTANCES SHOWN IN U.S. FEET UNITS. ELEVATIONS WERE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) USING GEOID 18. BASE POINT 0, 0 WITH ZERO ROTATION, AND A SCALE FACTOR OF 0.999924142 FROM GROUND TO GRID.

POINT NO.	EASTING	NORTHING	ELEV	DESCRIPTION
464	2,343,586.67	2,376,893.61	2,071.34	IP-1-2 IN
465	2,344,084.09	2,376,803.21	2,071.15	AC 1.5 IN 6019
466	2,344,326.83	2,376,998.15	2,075.10	AC 1.5 IN ILLEGABLE
467	2,345,672.65	2,375,975.53	2,074.65	REB 5 NO CAP
480	2,343,600.49	2,377,117.76	2,083.72	REB 5 NO CAP
481	2,343,712.87	2,377,120.55	2,081.12	NA 1.5/8 IN
487	2,344,086.79	2,377,003.52	2,076.83	AC 957 2.25 IN
607	2,343,457.16	2,376,316.36	2,081.11	REB 5 12318
608	2,343,378.86	2,376,319.59	2,082.40	REB 5 12318
609	2,343,238.95	2,376,325.28	2,082.93	REB 5 12318
920	2,343,330.42	2,375,741.09	2,073.41	REB 5 YPC5713
921	2,343,444.74	2,376,016.66	2,077.03	REB 5 YPC5713
922	2,344,798.94	2,376,111.68	2,078.17	0.5 IN PPE YFC ILLEGABLE
923	2,345,689.16	2,376,074.54	2,076.50	AC 2.5 IN 957

POINT NO.	EASTING	NORTHING	ELEV	DESCRIPTION
464	2,343,586.67	2,376,893.61	2,071.34	IP-1-2 IN
465	2,344,084.09	2,376,803.21	2,071.15	AC 1.5 IN 6019
466	2,344,326.83	2,376,998.15	2,075.10	AC 1.5 IN ILLEGABLE
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480	2,343,600.49	2,377,117.76	2,083.72	REB 5 NO CAP
481	2,343,712.87	2,377,120.55	2,081.12	NA 1.5/8 IN
487	2,344,086.79	2,377,003.52	2,076.83	AC 957 2.25 IN
607	2,343,457.16	2,376,316.36	2,081.11	REB 5 12318
608	2,343,378.86	2,376,319.59	2,082.40	REB 5 12318
609	2,343,238.95	2,376,325.28	2,082.93	REB 5 12318
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921	2,343,444.74	2,376,016.66	2,077.03	REB 5 YPC5713
922	2,344,798.94	2,376,111.68	2,078.17	0.5 IN PPE YFC ILLEGABLE
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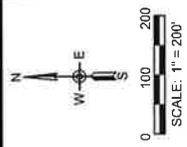
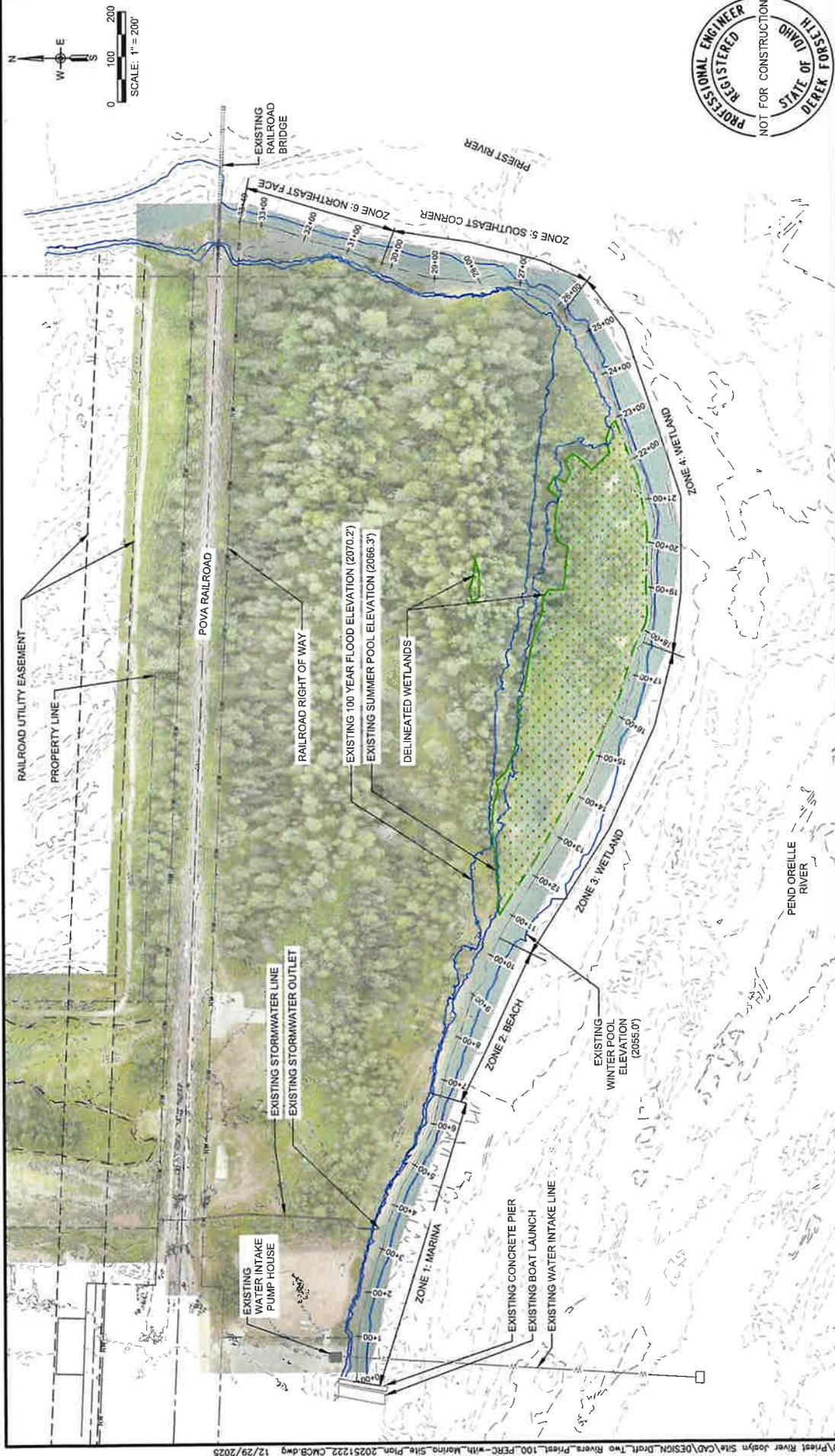
SHEET: G3
 DATE: 12/29/2025
 PROJECT NO: 24075
 SHEET NO: 4 OF 34

TWO RIVERS PARK - SHORELINE STABILIZATION
 BONNER COUNTY, IDAHO

Alta
 Science & Engineering, Inc.

NO	DATE	REVISIONS	BY	CHK	DATE	APPROVED	SCALE	COORDINATE SYSTEM

DATE: 06/22/2025
 DESIGNED: M. CORNWALL
 CHECKED: D. FORSETH
 DATE: 06/22/2025
 AS NOTED
 D. FORSETH
 XXXXXXXX



SHEET:	C1
DATE:	12/09/2025
PROJECT NO.:	24076
SHEET NO.:	5 OF 24

EXISTING CONDITIONS
 & SHORELINE ZONES

TWO RIVERS PARK - SHORELINE
 STABILIZATION
 BONNER COUNTY, IDAHO



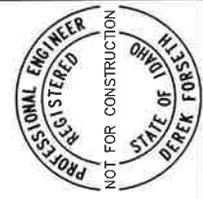
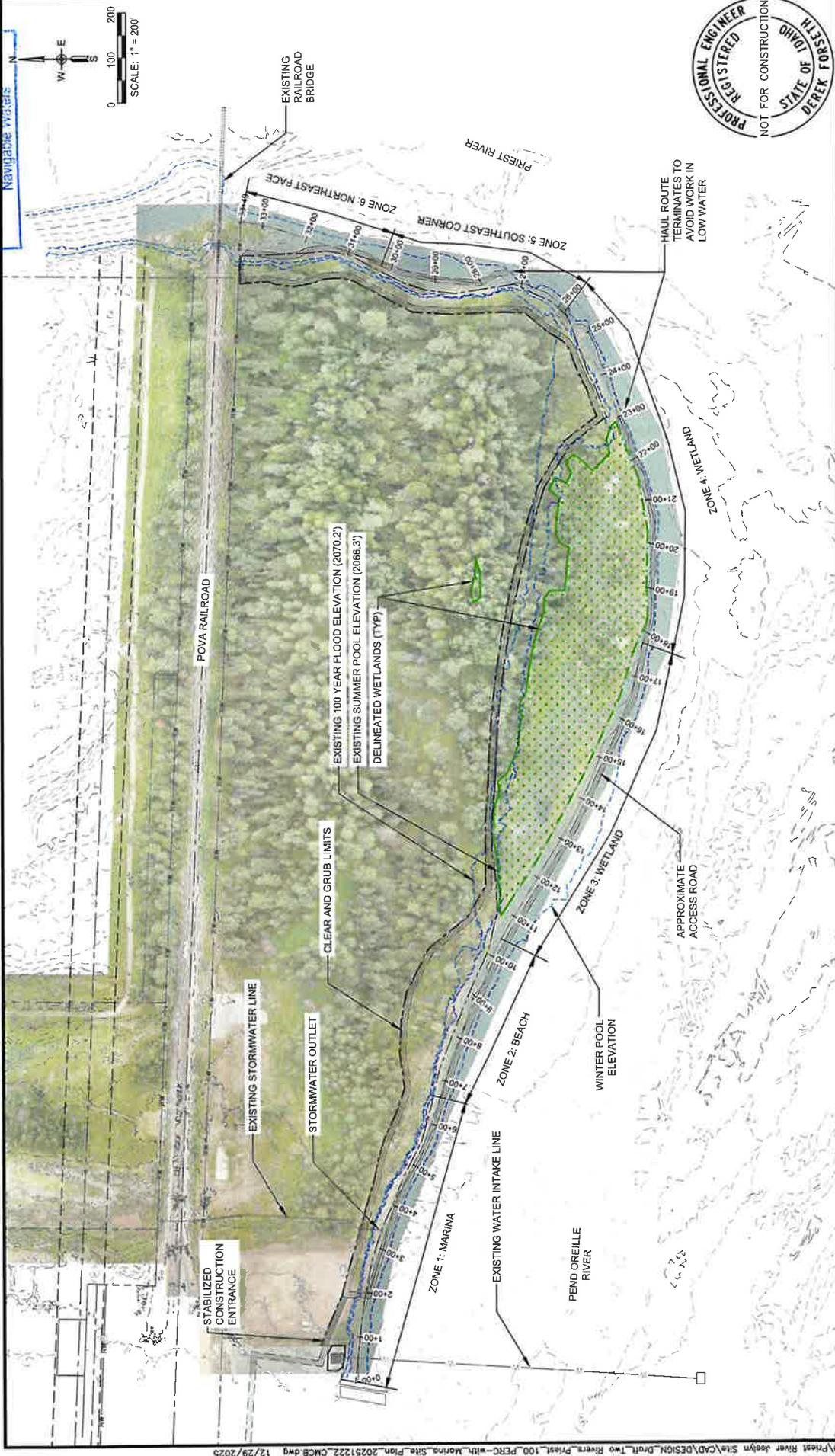
NO.	DATE	REVISIONS	BY	CHK	DATE

DESIGNER:	M. CORNWALL	SCALE:	AS NOTED
CHECKED:	D. FORSETH	APPROVED:	D. FORSETH
DATE:	08/23/2025	DATE:	XX/XX/XXXX

COORDINATOR:	M. CORNWALL	SCALE:	AS NOTED
DESIGNER:	M. CORNWALL	APPROVED:	D. FORSETH
CHECKED:	D. FORSETH	DATE:	08/23/2025

Idaho Department of Lands
 JAN 06 2026

Pend Oreille Lake Supervisory Area
 Navigable Waters



SHEET:	C2
DATE:	12/29/2025
PROJECT NO.:	24078
SHEET NO.:	6 OF 34

HAUL ROUTE AND CLEARING
 AND GRUBBING PLAN

TWO RIVERS PARK - SHORELINE
 STABILIZATION
 BONNER COUNTY, IDAHO

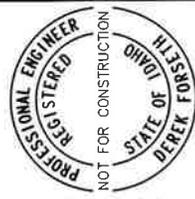
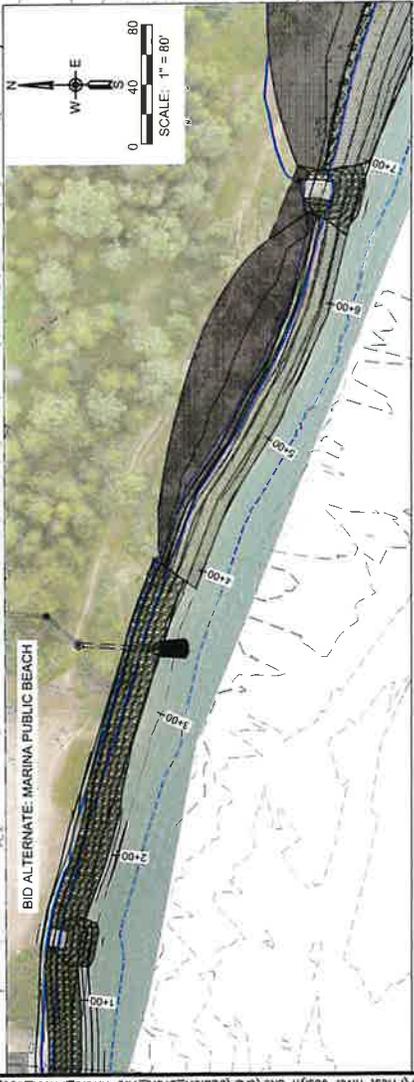
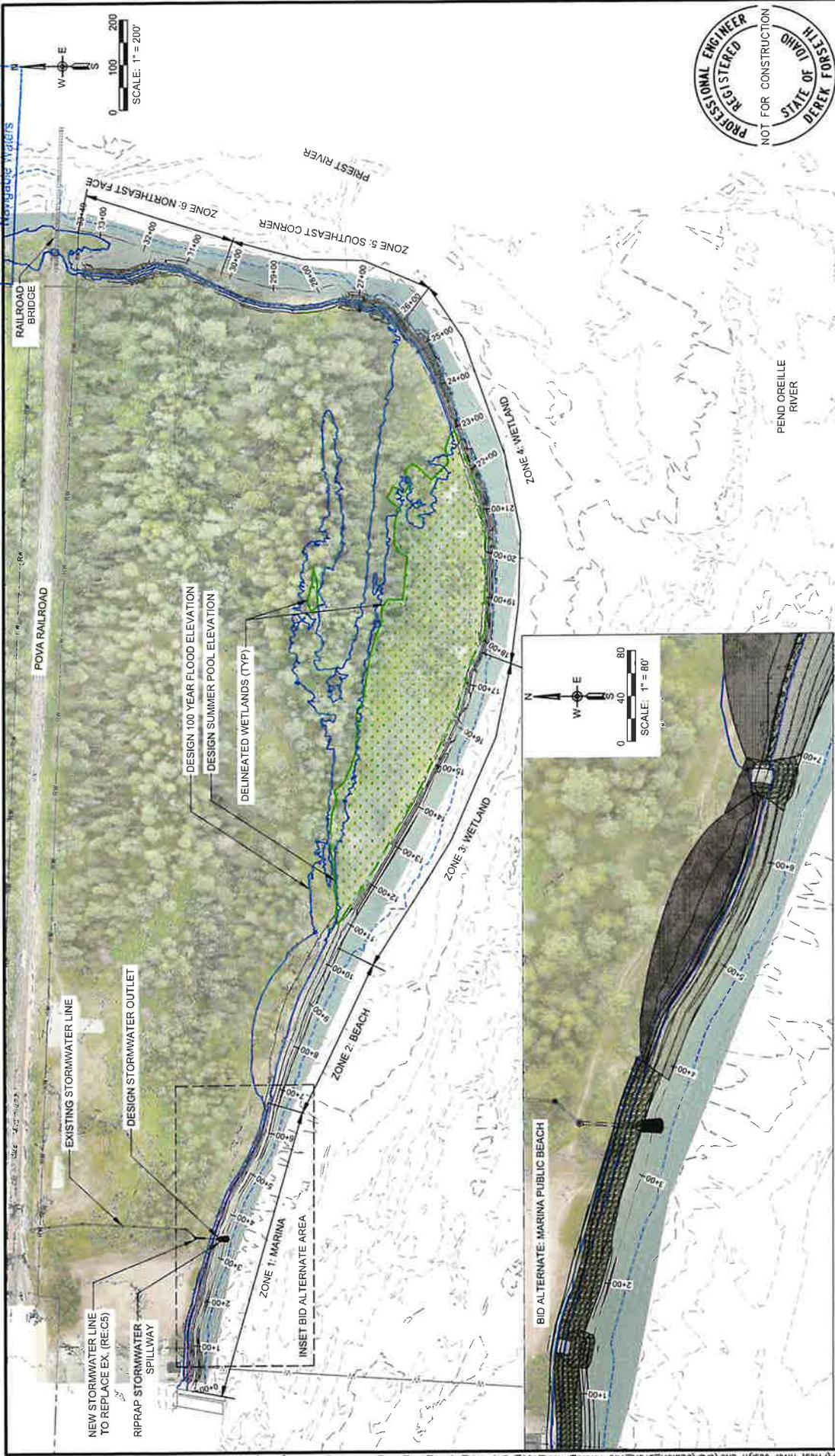


NO.	DATE	REVISIONS	BY	CHK	DATE

COORDINATE SYSTEM:	NSRS 11.D.WF
SCALE:	AS NOTED
DESIGNER:	D. FORSETH
CHECKED:	D. FORSETH
APPROVED:	
DATE:	06/23/2025

Idaho Department of Lands
 JAN 06 2026

Pend Oreille Lake Supervisory Area
 Navigable Waters



SHEET:	C3
DATE:	12/29/2025
PROJECT NO.:	24076
SHEET NO.:	7 OF 34

DESIGN PLAN OVERVIEW
 & SHORELINE ZONES

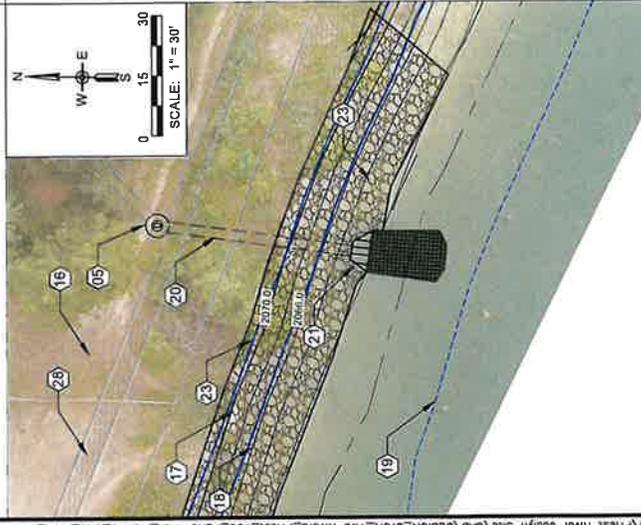
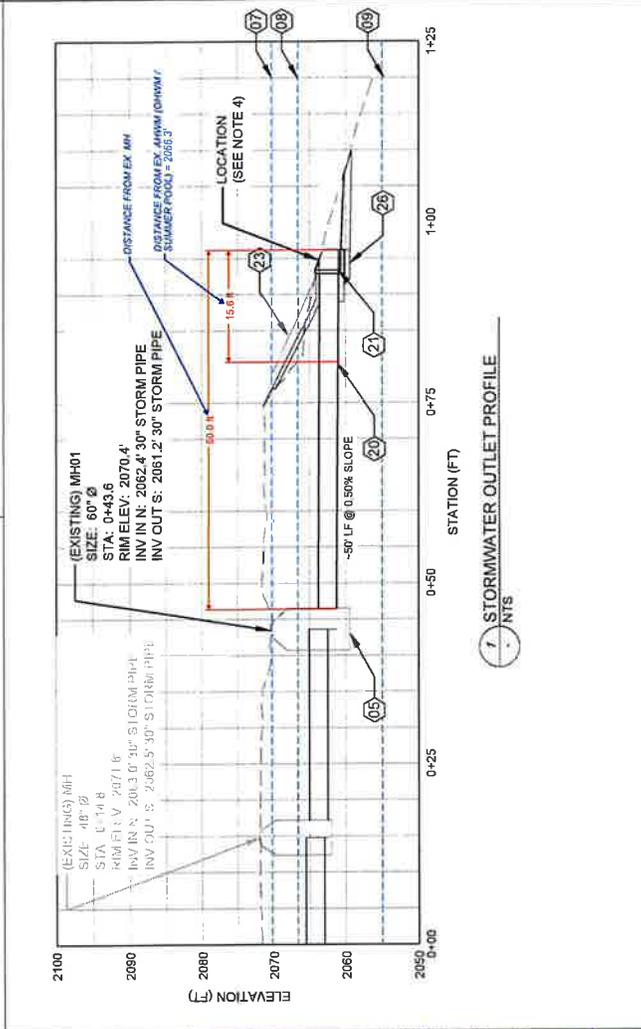
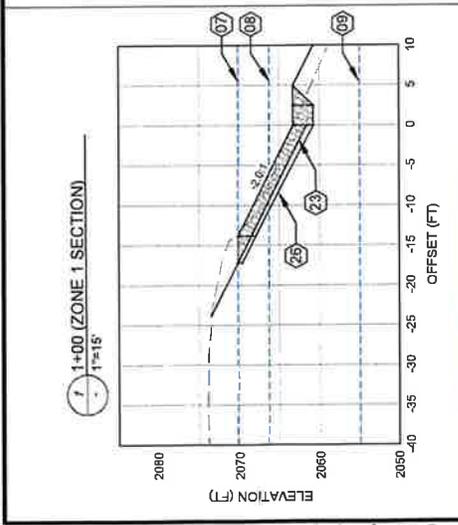
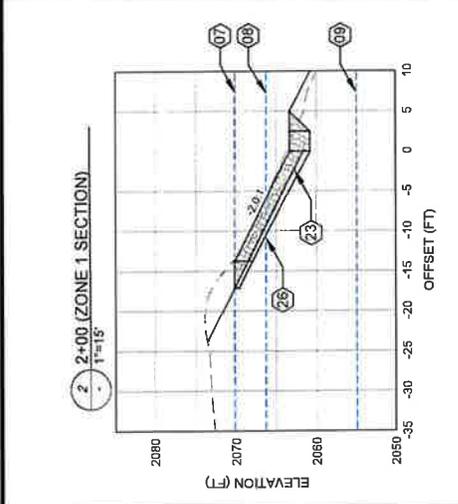
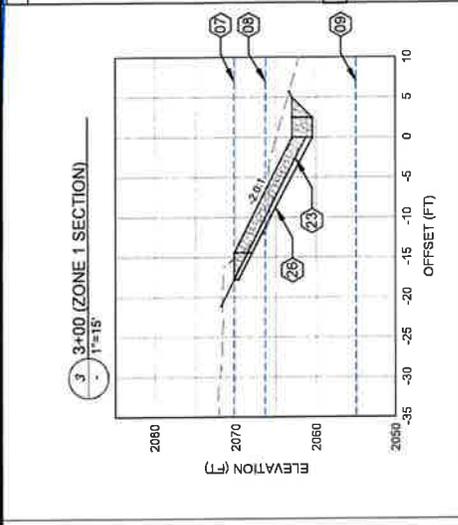
TWO RIVERS PARK - SHORELINE
 STABILIZATION
 BONNER COUNTY, IDAHO



NO.	DATE	REVISIONS	BY	CHK	DATE

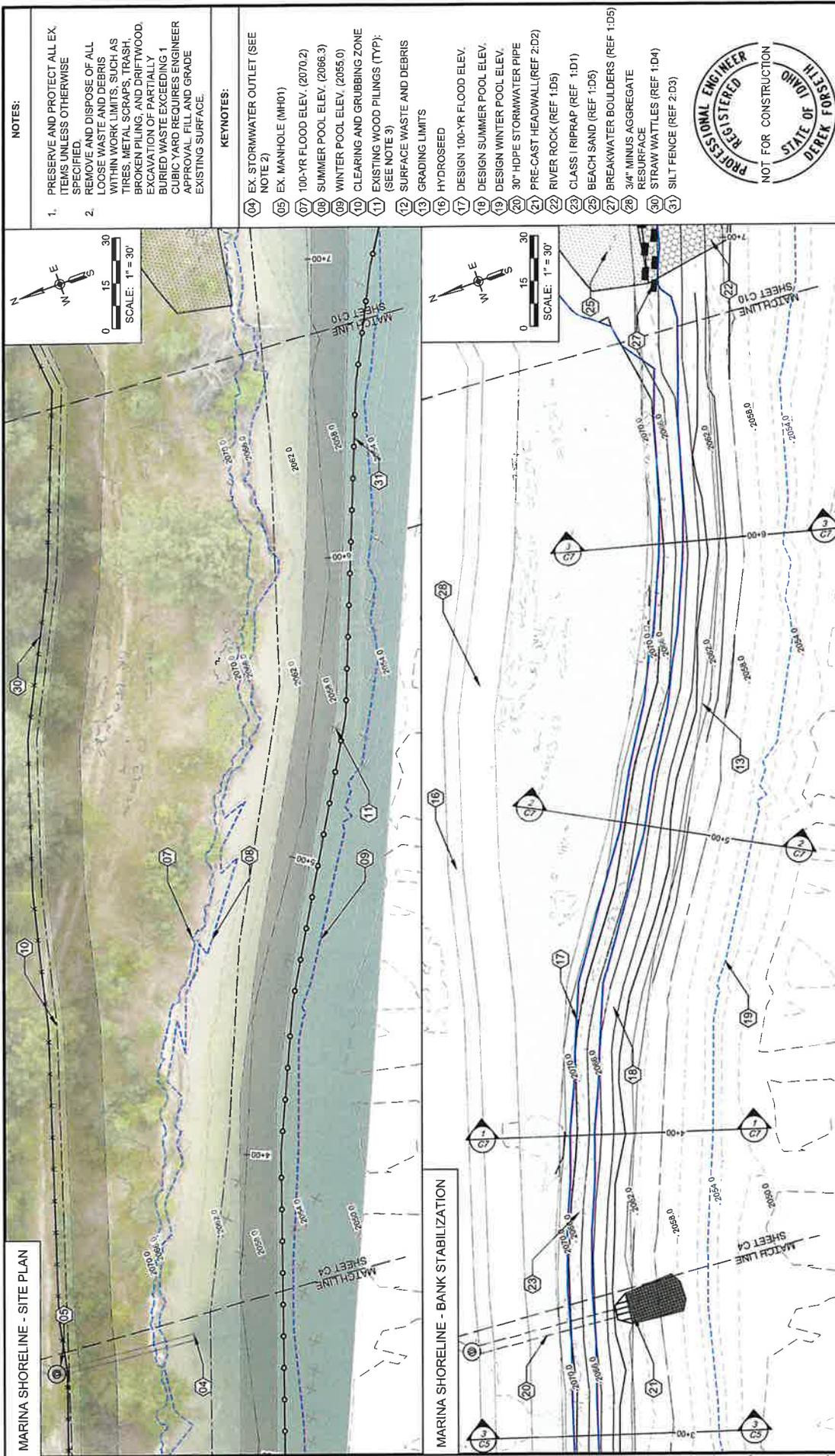
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SCALE:	AS NOTED
DESIGNER:	M. CORNWALL
CHECKED:	D. FORBETH
APPROVED:	D. FORBETH
DATE:	06/29/2025

- NOTES:**
1. PRESERVE AND PROTECT ALL EX. ITEMS UNLESS OTHERWISE SPECIFIED.
 2. EX. STORMWATER OUTLET STRUCTURE- REMOVE AND DISPOSE OF STRUCTURE FROM DAYLIGHT TO MH-01.
 3. REMOVE AND DISPOSE OF ALL LOOSE WASTE AND DEBRIS WITHIN WORK LIMITS. SUCH AS TIRES, METAL SCRAPS, TRASH, BROKEN PILING, AND DRIFTWOOD. EXCAVATION OF PARTIALLY BURIED WASTE EXCEEDING 1 CUBIC YARD REQUIRES ENGINEER APPROVAL. FILL AND GRADE EXISTING SURFACE.
 4. CONTRACTOR TO PLACE APPROXIMATELY AS SHOWN ON MAP. LOCATION TO BE APPROVED BY ENGINEER PRIOR TO PLACEMENT.
- KEYNOTES:**
- 01 PUMP HOUSE
 - 02 EX. DOCK
 - 03 EX. 16" RAW WATER INTAKE
 - 04 EX. STORMWATER OUTLET (SEE NOTE 2)
 - 05 EX. MANHOLE (MH-01)
 - 07 100-YR FLOOD ELEV. (2070.2)
 - 08 SUMMER POOL ELEV. (2066.3)
 - 09 WINTER POOL ELEV. (2055.0)
 - 10 CLEARING AND GRUBBING ZONE
 - 11 EXISTING WOOD PILINGS (TYP) (SEE NOTE 3)
 - 12 SURFACE WASTE AND DEBRIS
 - 13 GRADING LIMITS
 - 14 CONSTRUCTION FENCING
 - 15 CONSTRUCTION ACCESS ROAD
 - 16 HYDROSEED
 - 17 DESIGN 100-YR FLOOD ELEV.
 - 18 DESIGN SUMMER POOL ELEV.
 - 19 DESIGN WINTER POOL ELEV.
 - 20 30" HDPE STORMWATER PIPE
 - 21 PRE-CAST HEADWALL (REF. 2.D2)
 - 23 CLASS I RIPRAP (REF. 1.D1)
 - 25 CRUSHED AGGREGATE BEDDING
 - 28 3/4" MINUS AGGREGATE RESURFACE
 - 30 SILT FENCE
 - 31 STRAW WATTLES



NO.	DATE	BY	CHK	DATE	REVISIONS
01				08/23/2025	
COORDINATE SYSTEM: NAD83 SCALE: AS NOTED DESIGNED: M. CORNWALL CHECKED: D. FORSETH APPROVED: D. FORSETH DATE: 08/23/2025					
TWO RIVERS PARK - SHORELINE STABILIZATION BONNER COUNTY, IDAHO			BASE BID MARINA STABILIZATION & STORMWATER OUTLET PLAN		
SHEET: C5 DATE: 12/29/2025 PROJECT NO.: 24076 SHEET NO.: 9 OF 34					

Idaho Department of Lands
 JAN 06 2026
 Pend Oreille Lake Supervisory Area
 Navigable Waters



NOTES:

- PRESERVE AND PROTECT ALL EX. ITEMS UNLESS OTHERWISE SPECIFIED.
- REMOVE AND DISPOSE OF ALL LOOSE WASTE AND DEBRIS WITHIN WORK LIMITS, SUCH AS TIRES, METAL SCRAPS, TRASH, BROKEN PILING, AND DRIFTWOOD. EXCAVATION OF PARTIALLY BURIED WASTE EXCEEDING 1 CUBIC YARD REQUIRES ENGINEER APPROVAL. FILL AND GRADE EXISTING SURFACE.

KEYNOTES:

- 04 EX. STORMWATER OUTLET (SEE NOTE 2)
- 05 EX. MANHOLE (MH01)
- 07 100-YR FLOOD ELEV. (2070.2)
- 08 SUMMER POOL ELEV. (2066.3)
- 09 WINTER POOL ELEV. (2085.0)
- 10 CLEARING AND GRUBBING ZONE
- 11 EXISTING WOOD PILING (TYP): (SEE NOTE 3)
- 12 SURFACE WASTE AND DEBRIS
- 13 GRADING LIMITS
- 16 HYDROSEED
- 17 DESIGN 100-YR FLOOD ELEV.
- 18 DESIGN SUMMER POOL ELEV.
- 19 DESIGN WINTER POOL ELEV.
- 20 30" HDPE STORMWATER PIPE
- 21 PRE-CAST HEADWALL (REF 2:D2)
- 22 RIVER ROCK (REF 1:D5)
- 23 CLASS I RIPRAP (REF 1:D1)
- 25 BEACH SAND (REF 1:D6)
- 26 BREAKWATER BOULDERS (REF 1:D5)
- 27 3/4" MINUS AGGREGATE
- 28 RESURFACE
- 30 STRAW WATTLES (REF 1:D4)
- 31 SILT FENCE (REF 2:D3)



SHEET:	C6
DATE:	12/29/2025
PROJECT NO.:	24076
SHEET NO.:	10 OF 34

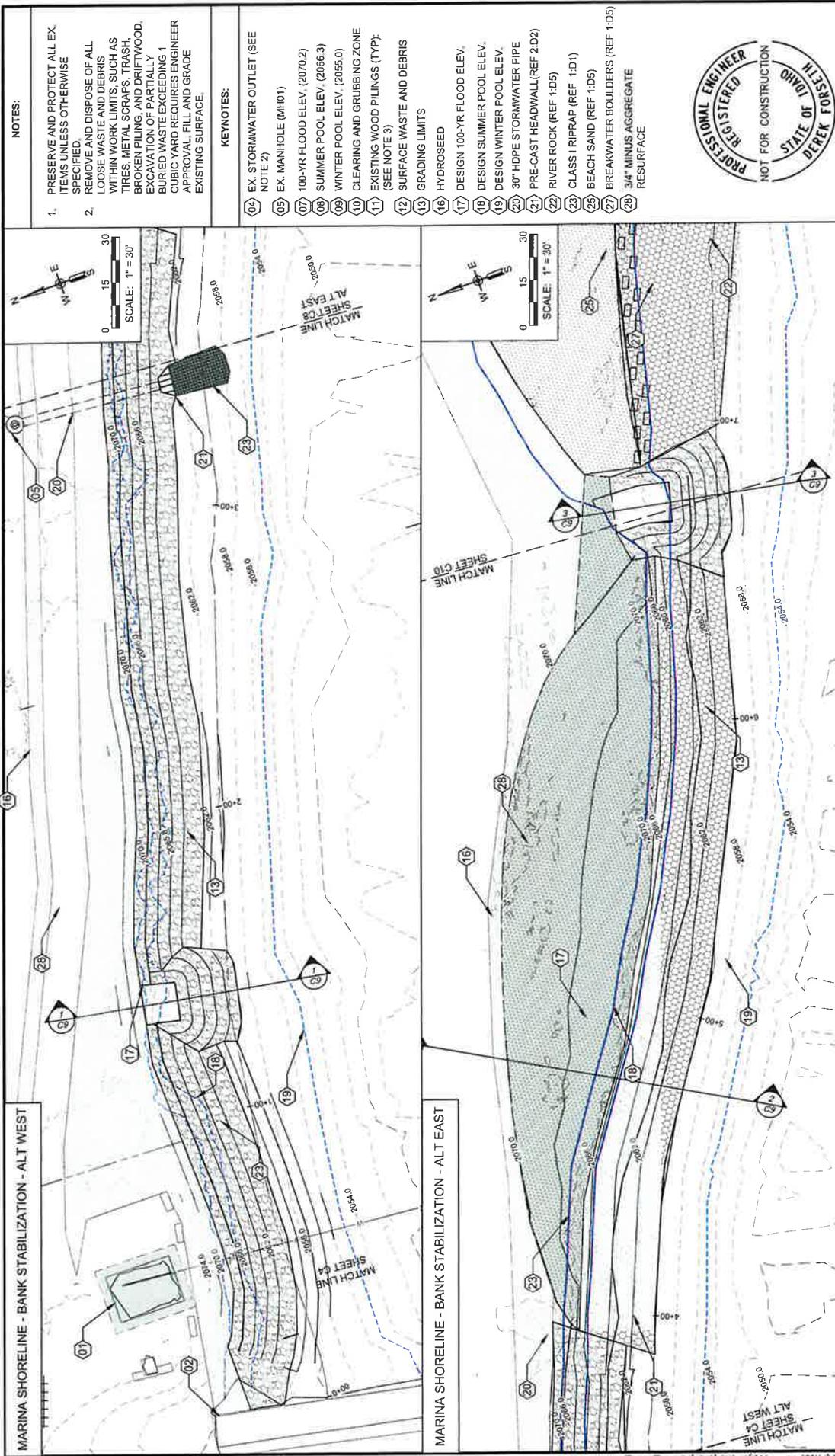
BASE BID
MARINA STABILIZATION

TWO RIVERS PARK - SHORELINE STABILIZATION
 BONNER COUNTY, IDAHO



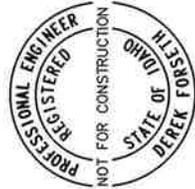
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SCALE:	AS NOTED
DESIGNER:	M. CORNWALL
CHECKED:	D. FORSETH
DATE:	06/23/2025
APPROVED:	D. FORSETH
DATE:	06/23/2025
BY:	CHK
REVISIONS	

Idaho Department of Lands
 JAN 06 2026
 Pend Oreille Lake Supervisory Area
 Navigable Waters



- NOTES:**
1. PRESERVE AND PROTECT ALL EX. ITEMS UNLESS OTHERWISE SPECIFIED.
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- KEYNOTES:**
- 04 EX. STORMWATER OUTLET (SEE NOTE 2)
 - 05 EX. MANHOLE (MH01)
 - 07 100-YR FLOOD ELEV. (2070.2)
 - 08 SUMMER POOL ELEV. (2066.3)
 - 09 WINTER POOL ELEV. (2055.0)
 - 10 CLEARING AND GRUBBING ZONE
 - 11 EXISTING WOOD PILING (TYP): (SEE NOTE 3)
 - 12 SURFACE WASTE AND DEBRIS
 - 13 GRADING LIMITS
 - 16 HYDROSEED
 - 17 DESIGN 100-YR FLOOD ELEV.
 - 18 DESIGN SUMMER POOL ELEV.
 - 19 DESIGN WINTER POOL ELEV.
 - 20 30" HDPE STORMWATER PIPE
 - 21 PRE-CAST HEADWALL (REF 2:D2)
 - 22 RIVER ROCK (REF 1:D5)
 - 23 CLASS I RIPRAP (REF 1:D1)
 - 25 BEACH SAND (REF 1:D5)
 - 27 BREAKWATER BOULDERS (REF 1:D5)
 - 28 3/4" MINUS AGGREGATE RESURFACE



SHEET:	C8
DATE:	12/29/2025
PROJECT NO.:	24076
SHEET NO.:	12 OF 34

**BID ALTERNATE
 MARINA STABILIZATION**

**TWO RIVERS PARK - SHORELINE
 STABILIZATION**
 BONNER COUNTY, IDAHO



XX	XX	XXXX	COORDINATE SYSTEM	NSRS 11 IDWF
			SCALE:	AS NOTED
			DESIGNED BY:	MACH-ERSON, K. BEZI
			CHECKED BY:	D. FORSETH
			DATE:	06/23/2025
			APPROVED BY:	D. FORSETH
			DATE:	XX/XX/XXXX
			BY:	CHK
			REVISIONS	
			NO	DATE

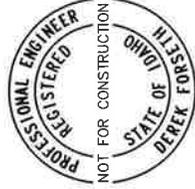
Idaho Department of Lands
JAN 06 2026
 Pend Oreille Lake Supervisory Area
 Navigable Waters

NOTES:

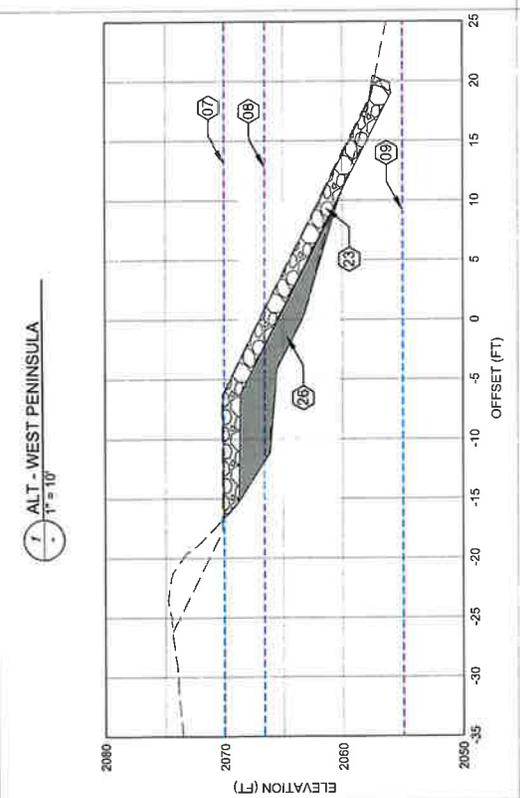
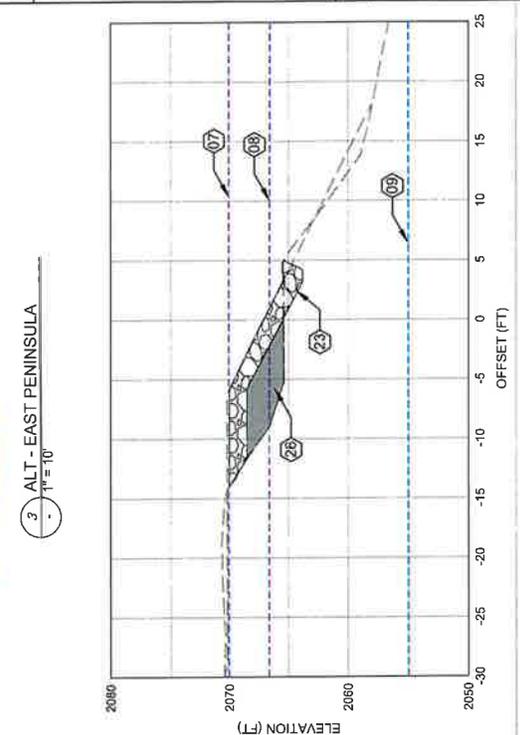
- PRESERVE AND PROTECT ALL EX. ITEMS UNLESS OTHERWISE SPECIFIED. REMOVE AND DISPOSE OF ALL LOOSE WASTE AND DEBRIS WITHIN WORK LIMITS, SUCH AS TIRES, METAL SCRAPS, TRASH, BROKEN PILING, AND DRIFTWOOD. EXCAVATION OF PARTIALLY BURIED WASTE EXCEEDING 1 CUBIC YARD REQUIRES ENGINEER APPROVAL. FILL AND GRADE EXISTING SURFACE.

KEYNOTES:

- 07 100-YR FLOOD POOL ELEV. (2070.2)
- 08 SUMMER POOL ELEV. (2066.3)
- 09 WINTER POOL ELEV. (2055.0)
- 22 RIVER ROCK
- 23 CLASS I RIPRAP (REF 1-D1)
- 25 BEACH SAND
- 26 CRUSHED AGGREGATE BEDDING



SHEET: C9
 DATE: 12/28/2025
 PROJECT NO.: 24076
 SHEET NO.: 13 OF 34

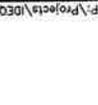


TWO RIVERS PARK - SHORELINE STABILIZATION
 BONNER COUNTY, IDAHO

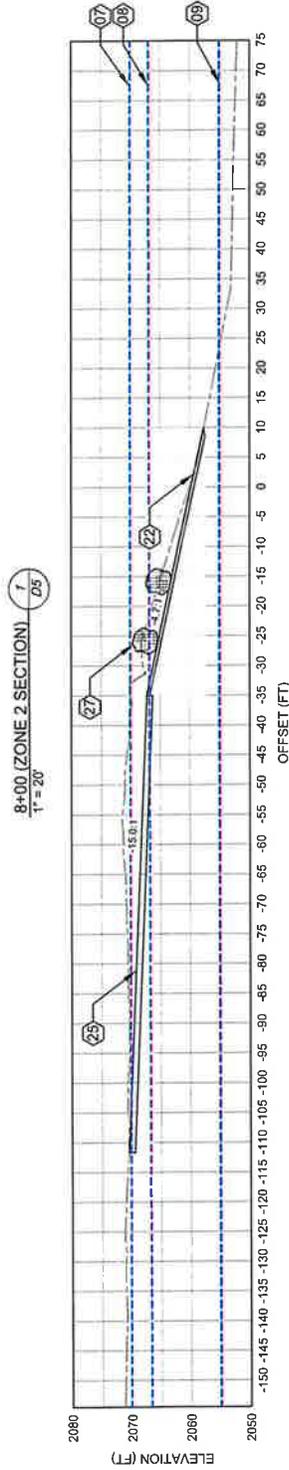
BID ALTERNATIVE
 MARINA STABILIZATION

NO.	DATE	REVISIONS	BY	CHK

DESIGNER: M. CORNWALL	COORDINATE SYSTEM: NAD 83 UTM
CHECKED: D. FORBETH	SCALE: AS NOTED
DATE: 08/22/2025	APPROVED: D. FORBETH
	DATE: XXXX/XXXX



Idaho Department of Lands
 JAN 06 2026
 Pend Oreille Lake Supervisory Area
 Navigable Waters



NOTES:

1. PRESERVE AND PROTECT ALL EX. ITEMS UNLESS OTHERWISE SPECIFIED.
2. REMOVE AND DISPOSE OF ALL LOOSE WASTE AND DEBRIS WITHIN WORK LIMITS, SUCH AS TIRES, METAL SCRAPS, TRASH, BROKEN PILING, AND DRIFTWOOD. EXCAVATION OF PARTIALLY BURIED WASTE EXCEEDING 1 CUBIC YARD REQUIRES ENGINEER APPROVAL. FILL AND GRADE EXISTING SURFACE.

KEYNOTES:

- 07 100-YR FLOOD ELEV. (2070.2)
- 08 SUMMER POOL ELEV. (2066.9)
- 09 WINTER POOL ELEV. (2055.0)
- 22 RIVER ROCK
- 25 BEACH SAND
- 27 BREAKWATER BOULDERS



SHEET:	C11
DATE:	12/29/2025
PROJECT NO.:	24016
SHEET NO.:	15 OF 34

BASE BID
 PUBLIC BEACH PLAN
 AND PROFILES

TWO RIVERS PARK - SHORELINE
 STABILIZATION
 BONNER COUNTY, IDAHO

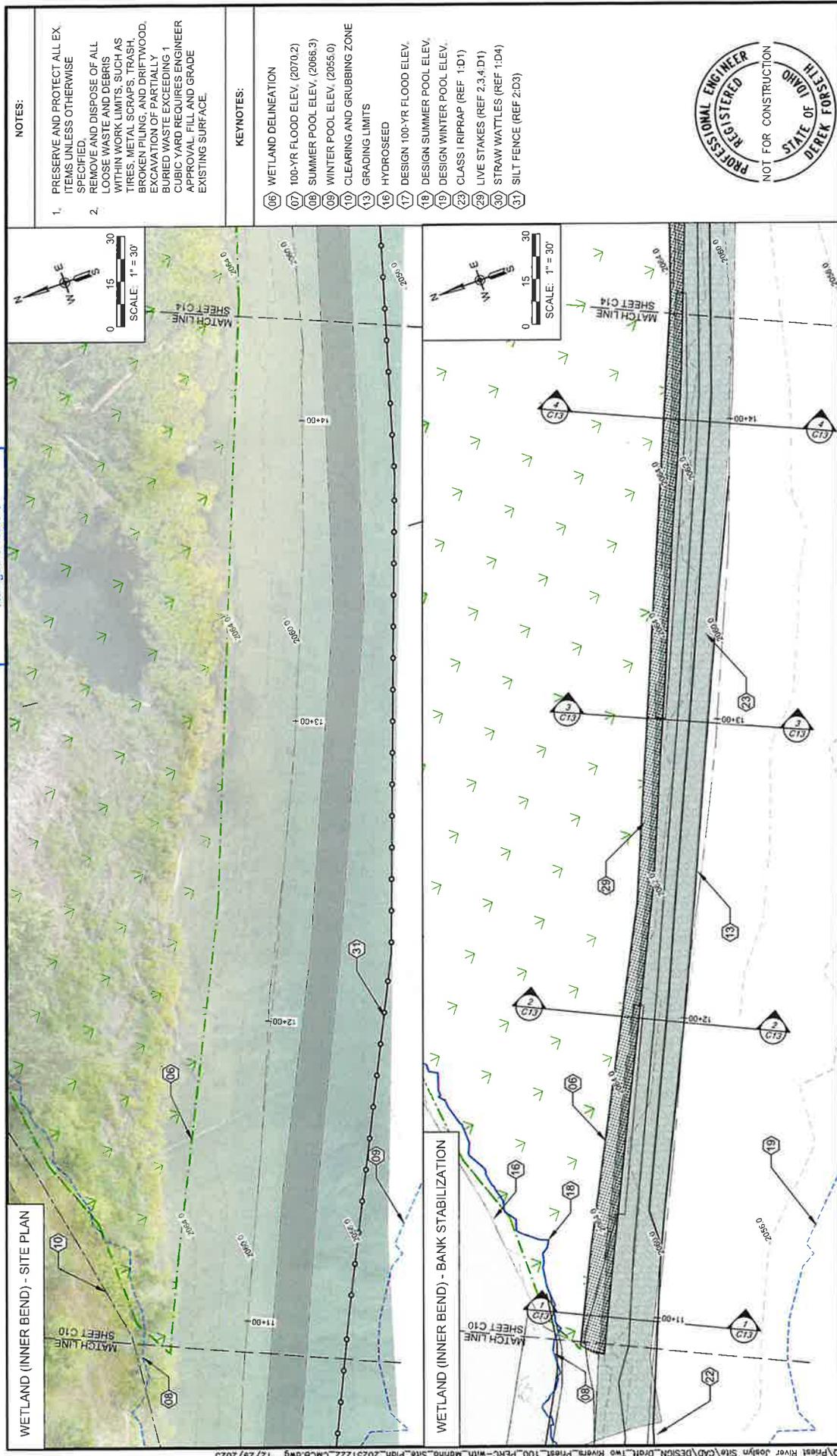


COORDINATE SYSTEM:	NRS 11 ID-WF
SCALE:	AS NOTED
APPROVED:	D. FORSETH
DATE:	06/23/2025

DESIGNED:	M. CORNWALL
CHECKED:	E. MACPHERSON, K. DEZI
DATE:	06/23/2025

NO.	DATE	REVISIONS

Idaho Department of Lands
 JAN 06 2026
 Pend Oreille Lake Supervisory Area
 Navigable Waters



NOTES:

- PRESERVE AND PROTECT ALL EXISTING ITEMS UNLESS OTHERWISE SPECIFIED.
- REMOVE AND DISPOSE OF ALL LOOSE WASTE AND DEBRIS WITHIN WORK LIMITS, SUCH AS TIRES, METAL SCRAPS, TRASH, BROKEN PILING, AND DRIFTWOOD. EXCAVATION OF PARTIALLY BURIED WASTE EXCEEDING 1 CUBIC YARD REQUIRES ENGINEER APPROVAL. FILL AND GRADE EXISTING SURFACE.

KEYNOTES:

- 06 WETLAND DELINEATION
- 07 100-YR FLOOD ELEV. (2070.2)
- 08 SUMMER POOL ELEV. (2066.3)
- 09 WINTER POOL ELEV. (2055.0)
- 10 CLEARING AND GRUBBING ZONE
- 13 GRADING LIMITS
- 16 HYDROSEED
- 17 DESIGN 100-YR FLOOD ELEV.
- 18 DESIGN SUMMER POOL ELEV.
- 19 DESIGN WINTER POOL ELEV.
- 29 CLASS I RIPRAP (REF 1-D1)
- 29 LIVE STAKES (REF 2.3.4.D1)
- 30 STRAW WATTLES (REF 1-D4)
- 31 SILT FENCE (REF 2-D3)



SHEET: C12
 DATE: 12/29/2025
 PROJECT NO.: 24076
 SHEET NO.: 16 OF 34

WETLAND
 STABILIZATION PLAN

TWO RIVERS PARK - SHORELINE
 STABILIZATION
 BONNER COUNTY, IDAHO



COORDINATE SYSTEM: NAD83
 SCALE: AS SHOWN
 APPROVED: D. FORSETH
 DATE: 06/23/2025

DRAWN BY: M. CORNWALL
 DESIGNER: C. MACPHERSON, K. DEZI
 CHECKED: D. FORSETH
 DATE: 06/23/2025

NO.	DATE	REVISIONS	BY	CHK

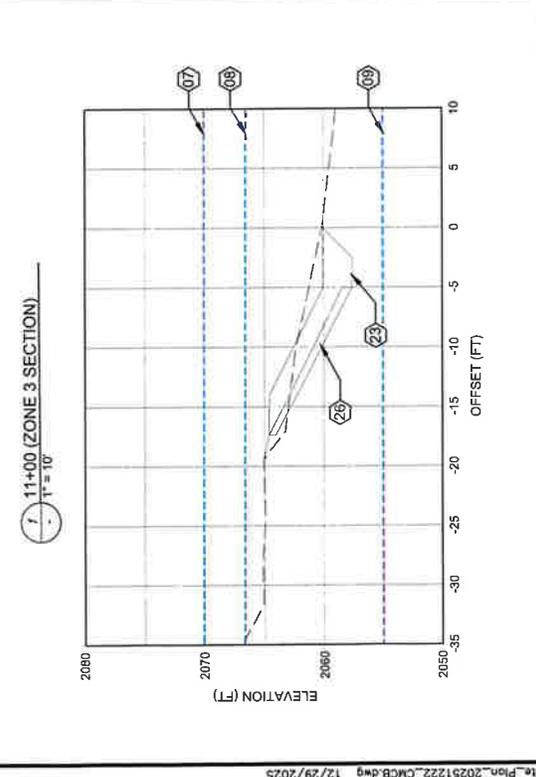
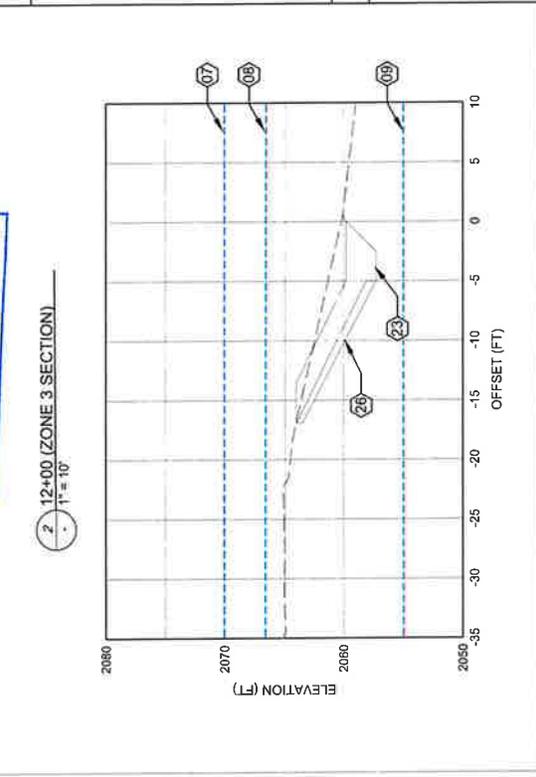
Idaho Department of Lands
 JAN 06 2026
 Pend Oreille Lake Supervisory Area
 Navigable Waters

NOTES:

- PRESERVE AND PROTECT ALL EX. ITEMS UNLESS OTHERWISE SPECIFIED.
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KEYNOTES:

- 07 100-YR FLOOD ELEV. (2070.2)
- 08 SUMMER POOL ELEV. (2066.3)
- 09 WINTER POOL ELEV. (2055.0)
- 23 CLASS 1 RIPRAP (REF 1:D1)
- 26 CRUSHED AGGREGATE BEDDING



SHEET: C13
 DATE: 12/29/2025
 PROJECT NO.: 24076
 SHEET NO.: 17 OF 34

WETLAND
 STABILIZATION PLAN

TWO RIVERS PARK - SHORELINE
 STABILIZATION
 BONNER COUNTY, IDAHO



NO	DATE	REVISIONS	BY	CHK	DATE

COORDINATE SYSTEM:	NAD83 11-DNVE
SCALE:	AS NOTED
DRAWN BY:	M. CORNWALL
DESIGNED BY:	C. MACPHERSON, K. DEZSI
CHECKED BY:	D. FORSETH
DATE:	06/23/2025

Idaho Department of Lands
 JAN 06 2026
 Pend Oreille Lake Supervisory Area
 Navigable Waters

NOTES:

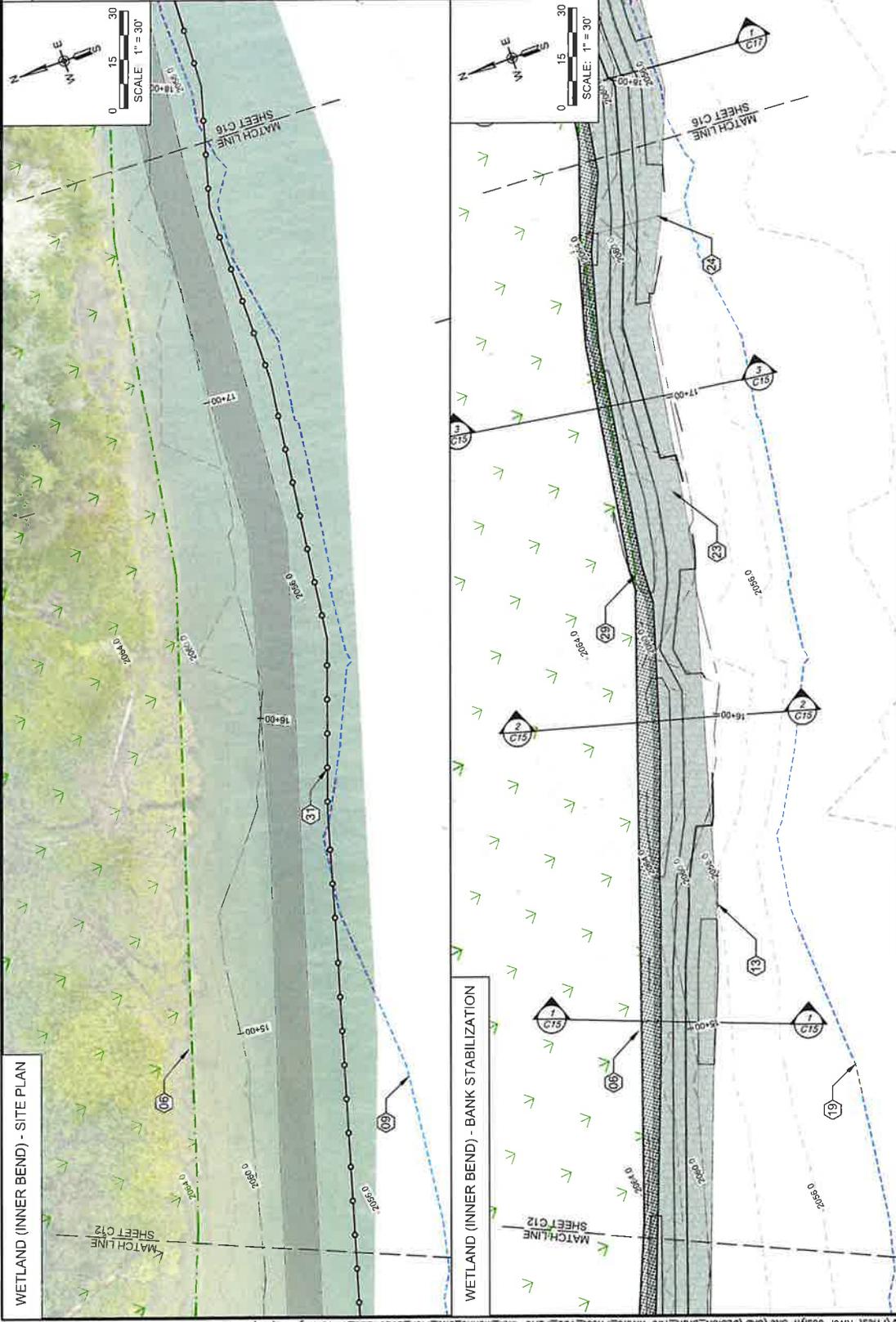
- PRESERVE AND PROTECT ALL EXISTING ITEMS UNLESS OTHERWISE SPECIFIED.
- REMOVE AND DISPOSE OF ALL LOOSE WASTE AND DEBRIS WITHIN WORK LIMITS, SUCH AS TIRES, METAL SCRAPS, TRASH, BROKEN PILING, AND DRIFTWOOD. EXCAVATION OF PARTIALLY BURIED WASTE EXCEEDING 1 CUBIC YARD REQUIRES ENGINEER APPROVAL. FILL AND GRADE EXISTING SURFACE.
- CLASS II RIPRAP TO BE PLACED BETWEEN STA 17+50 TO STA 30+50.

KEYNOTES:

- 06 WETLAND DELINEATION
- 07 100-YR FLOOD ELEV. (2070.2)
- 08 SUMMER POOL ELEV. (2066.3)
- 09 WINTER POOL ELEV. (2055.0)
- 10 CLEARING AND GRUBBING ZONE
- 13 GRADING LIMITS
- 16 HYDROSEED
- 17 DESIGN 100-YR FLOOD ELEV.
- 18 DESIGN SUMMER POOL ELEV.
- 19 DESIGN WINTER POOL ELEV.
- 23 CLASS I RIPRAP (REF 1:D1)
- 24 CLASS II RIPRAP (REF 3:D1)
- 29 LIVE STAKES (REF 2.3.4:D1)
- 30 STRAW WATTLES (REF 1:D4)
- 31 SILT FENCE (REF 2:D3)



SHEET: C14
 DATE: 12/29/2025
 PROJECT NO.: 24078
 SHEET NO.: 18 OF 34



WETLAND STABILIZATION PLAN

TWO RIVERS PARK - SHORELINE STABILIZATION

BONNER COUNTY, IDAHO



NO.	DATE	REVISIONS	BY	CHK	DATE

COORDINATE SYSTEM:	NGRS 11D/MF
SCALE:	AS NOTED
APPROVED:	D. FORBETH
DATE:	08/23/2025

DRAT FR:	M. CORNWALL
DESIGNER:	C. MACPHERSON, K. DEZU
CHECKED:	D. FORBETH
DATE:	08/23/2025

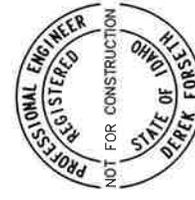
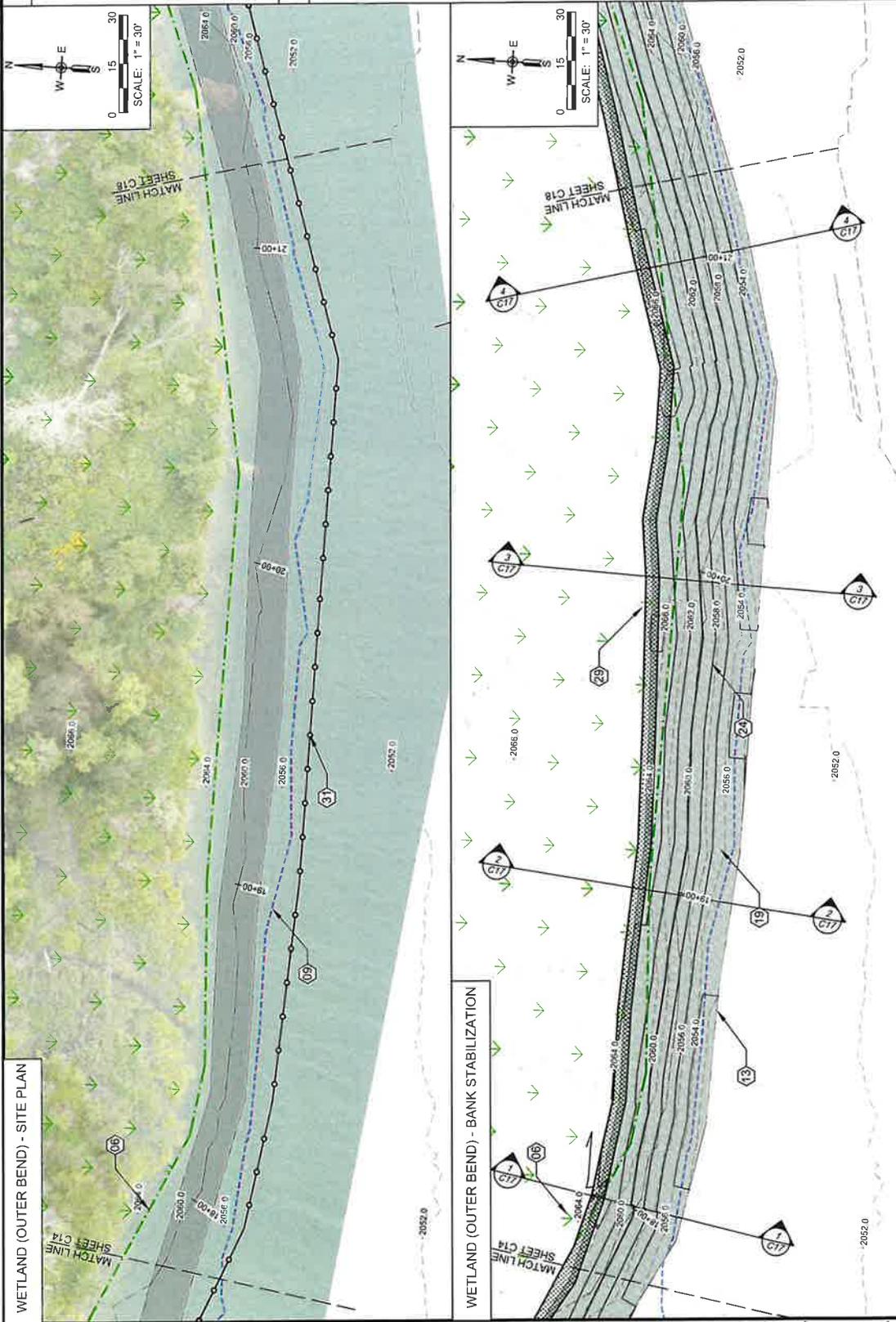
Idaho Department of Lands
JAN 06 2026
 Pend Orellie Lake Supervisory Area
 Navigable Waters

NOTES:

- PRESERVE AND PROTECT ALL EXISTING ITEMS UNLESS OTHERWISE SPECIFIED.
- REMOVE AND DISPOSE OF ALL LOOSE WASTE AND DEBRIS WITHIN WORK LIMITS, SUCH AS TIRES, METAL SCRAP, TRASH, BROKEN PLING, AND DRIFTWOOD. EXCAVATION OF PARTIALLY BURIED WASTE EXCEEDING 1 CUBIC YARD REQUIRES ENGINEER APPROVAL. FILL AND GRADE EXISTING SURFACE. CLASS II RIPRAP TO BE PLACED BETWEEN STA 17+50 TO STA 30+50.

KEYNOTES:

- (06) WETLAND DELINEATION
- (07) 100-YR FLOOD ELEV. (2070.2)
- (08) SUMMER POOL ELEV. (2066.3)
- (09) WINTER POOL ELEV. (2055.0)
- (10) CLEARING AND GRUBBING ZONE
- (13) GRADING LIMITS
- (16) HYDROSEED
- (17) DESIGN 100-YR FLOOD ELEV.
- (18) DESIGN SUMMER POOL ELEV.
- (19) DESIGN WINTER POOL ELEV.
- (23) CLASS I RIPRAP (REF 1:0:1)
- (24) CLASS II RIPRAP (REF 3:0:1)
- (29) LIVE STAKES (REF 2.3.1.D.1)
- (30) STRAW WATTLES (REF 1:0:4)
- (31) SILT FENCE (REF 2.0:3)



SHEET:	C16
DATE:	12/29/2025
PROJECT NO.:	24075
SHEET NO.:	20 OF 34

WETLAND STABILIZATION PLAN

TWO RIVERS PARK - SHORELINE STABILIZATION
 BONNER COUNTY, IDAHO



NO	DATE	REVISIONS	BY	CHK

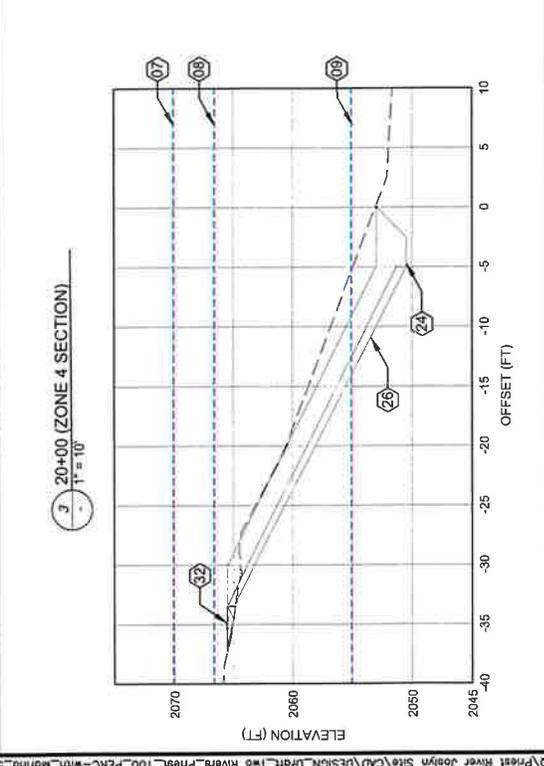
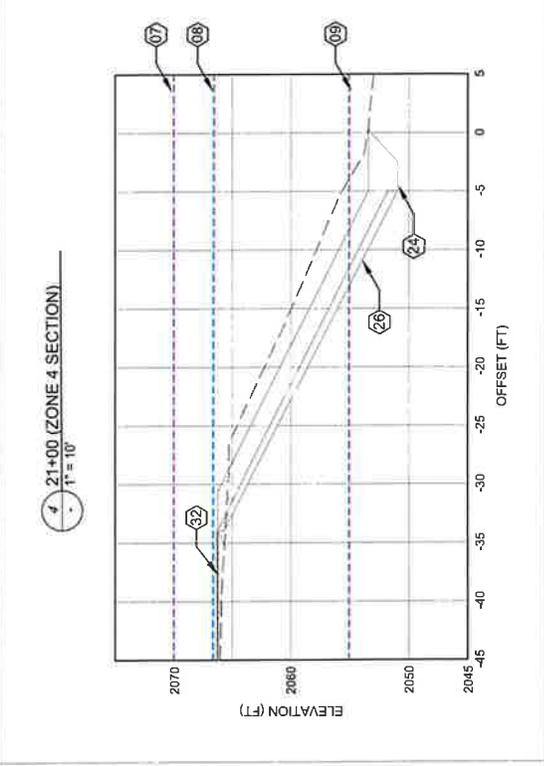
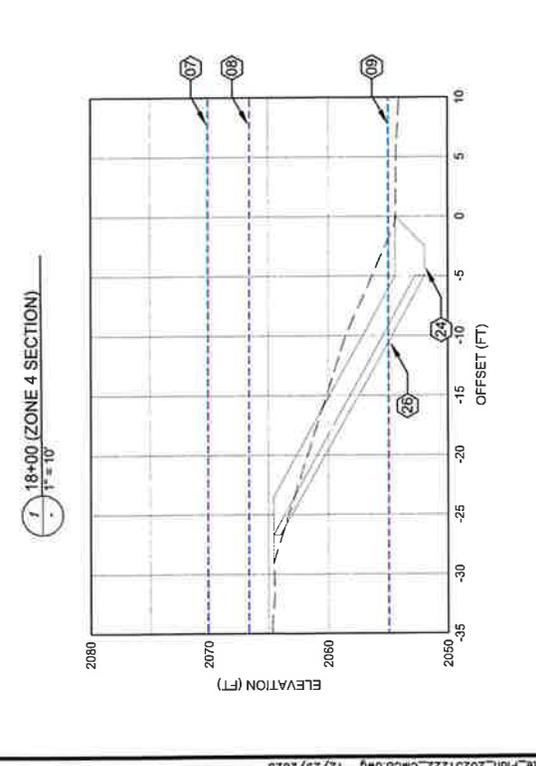
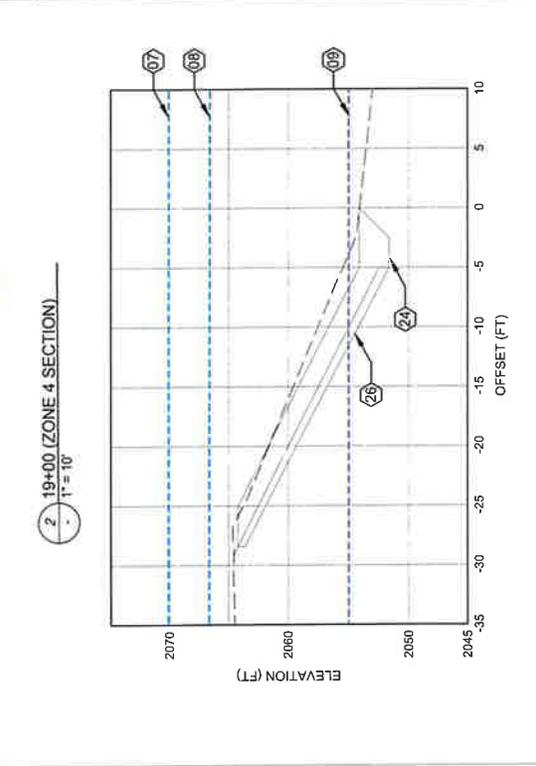
PROJECT:	XXXX
DRAWER:	M. CORNWALL
DESIGN:	J. MAGPHERSON, K. DEZU
CHECKED:	D. FORSETH
DATE:	06/23/2025
APPROVED:	D. FORSETH
DATE:	XX/XX/XXXX
COORDINATE SYSTEM:	NAD83 UTM
SCALE:	AS NOTED

NOTES:

- PRESERVE AND PROTECT ALL EX. ITEMS UNLESS OTHERWISE SPECIFIED.
- REMOVE AND DISPOSE OF ALL LOOSE WASTE AND DEBRIS WITHIN WORK LIMITS, SUCH AS TIRES, METAL SCRAPS, TRASH, BROKEN PILING, AND DRIFTWOOD. EXCAVATION OF PARTIALLY BURIED WASTE EXCEEDING 1 CUBIC YARD REQUIRES ENGINEER APPROVAL. FILL AND GRADE EXISTING SURFACE.

KEYNOTES:

- 07 100-YR FLOOD ELEV. (2070.2)
- 08 SUMMER POOL ELEV. (2066.3)
- 09 WINTER POOL ELEV. (2055.0)
- 24 CLASS II RIPRAP (REF 3'D1)
- 26 CRUSHED AGGREGATE BEDDING
- 32 EARTH FILL



SHEET:	C17
DATE:	12/29/2025
PROJECT NO.:	24076
SHEET NO.:	21 OF 34

**WETLAND
 STABILIZATION PLAN**

TWO RIVERS PARK - SHORELINE
 STABILIZATION
 BONNER COUNTY, IDAHO



NO.	DATE	REVISIONS	BY	CHK	DATE
01	XXXX/XXXX/XXXX				

COORDINATE SYSTEM:	NRS 11 ID-WF
SCALE:	AS NOTED
DESIGNED:	MADPHERSON, K. DEER
CHECKED:	D. FORBETH
APPROVED:	D. FORBETH
DATE:	06/23/2025
DATE:	XXXX/XXXX/XXXX

NOTES:

1. PRESERVE AND PROTECT ALL EX. ITEMS UNLESS OTHERWISE SPECIFIED.
2. REMOVE AND DISPOSE OF ALL LOOSE WASTE AND DEBRIS WITHIN WORK LIMITS, SUCH AS TIRES, METAL SCRAPS, TRASH, BROKEN PILING, AND DRIFTWOOD. EXCAVATION OF PARTIALLY BURIED WASTE EXCEEDING 1 CUBIC YARD REQUIRES ENGINEER APPROVAL. FILL AND GRADE EXISTING SURFACE.

KEYNOTES:

- 07 100-YR FLOOD ELEV. (2070.2)
- 08 SUMMER POOL ELEV. (2066.3)
- 09 WINTER POOL ELEV. (2055.0)
- 24 CLASS II RIPRAP (REF 3/D1)
- 26 CRUSHED AGGREGATE BEDDING
- 32 EARTH FILL

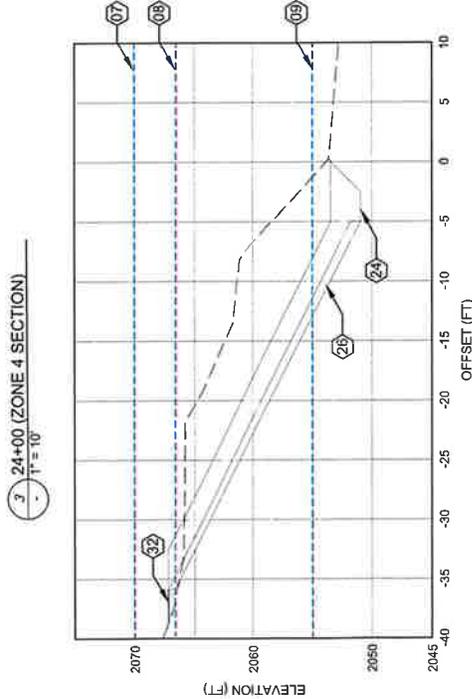
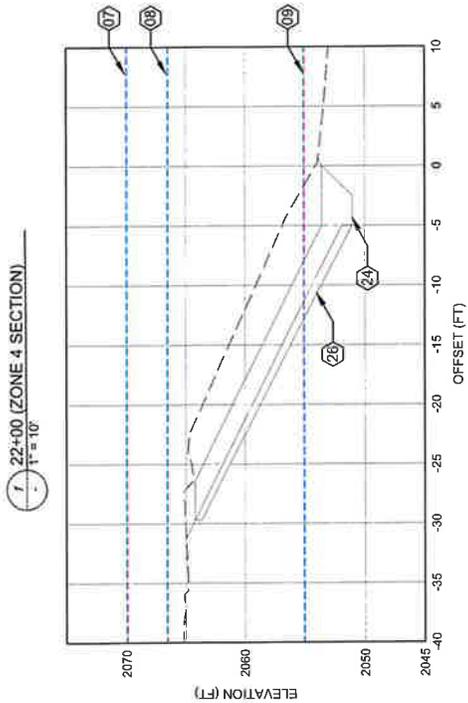
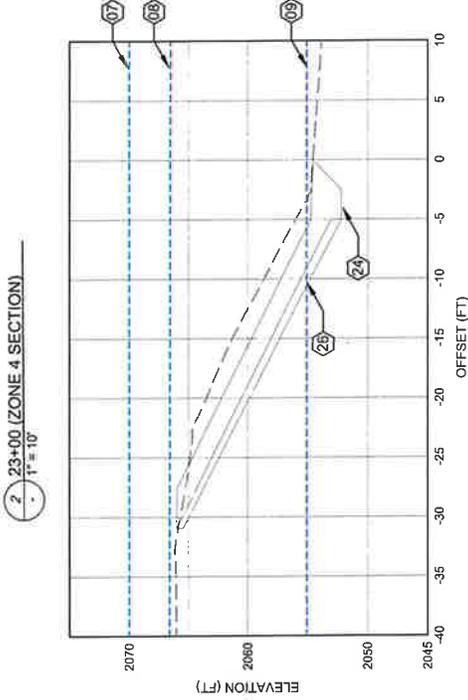


SHEET:	C:19
DATE:	12/29/2025
PROJECT NO.:	24076
SHEET NO.:	23 OF 34

WETLAND STABILIZATION PLAN

TWO RIVERS PARK - SHORELINE STABILIZATION

BONNER COUNTY, IDAHO



NO	DATE	REVISIONS	BY	CHK	DATE

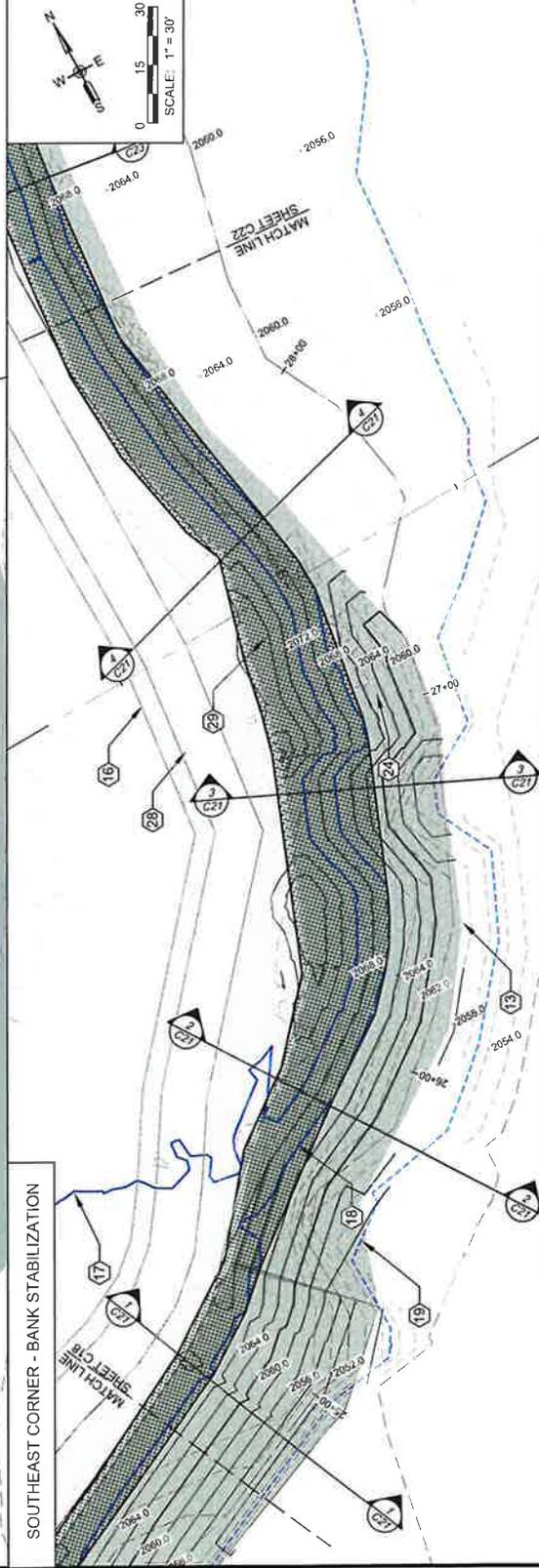
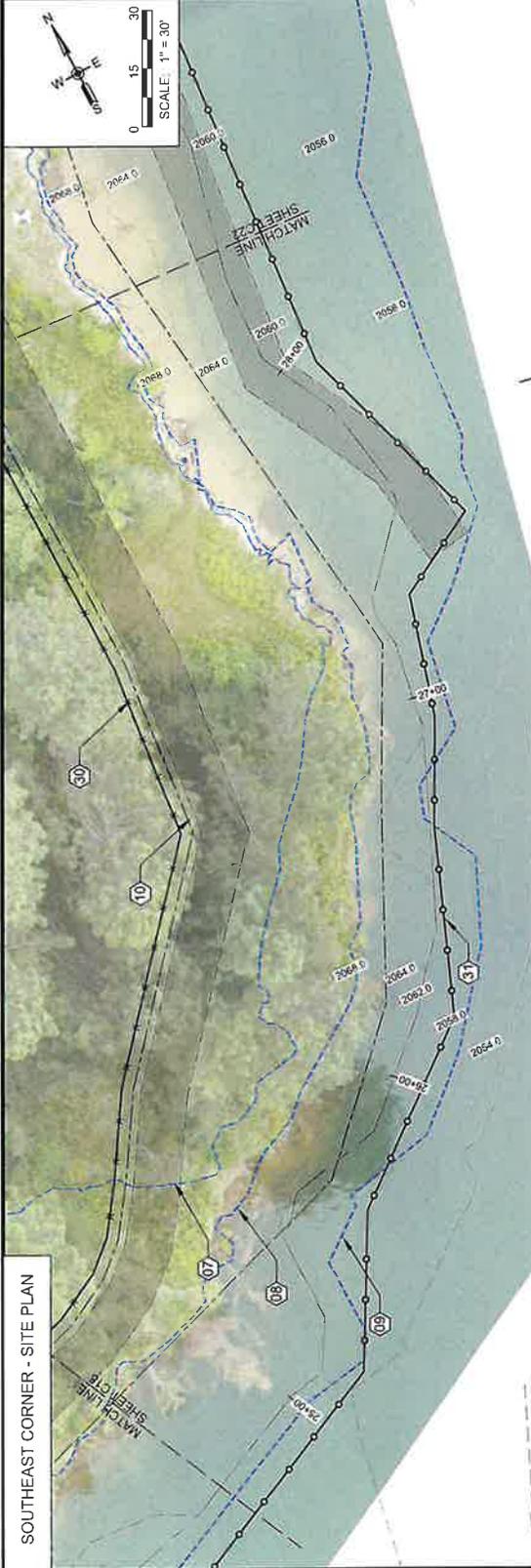
COORDINATE SYS	TEAM
NRS 11 UD-WF	AS NOTED
SCALE	D. FORSETH
APPROVED	DATE
D. FORSETH	06/22/2025

JAN 06 2026

- NOTES:**
- PRESERVE AND PROTECT ALL EXISTING ITEMS UNLESS OTHERWISE SPECIFIED.
 - REMOVE AND DISPOSE OF ALL LOOSE WASTE AND DEBRIS WITHIN WORK LIMITS, SUCH AS TIRES, METAL SCRAPS, TRASH, BROKEN PILING, AND DRIFTWOOD. EXCAVATION OF PARTIALLY BURIED WASTE EXCEEDING 1 CUBIC YARD REQUIRES ENGINEER APPROVAL. FILL AND GRADE EXISTING SURFACE.
- KEYNOTES:**
- 06 WETLAND DELINEATION
 - 07 100-YR FLOOD ELEV. (2070.2)
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 - 10 CLEARING AND GRUBBING ZONE
 - 11 GRADING LIMITS
 - 12 HYDROSEED
 - 13 DESIGN 100-YR FLOOD ELEV.
 - 14 DESIGN SUMMER POOL ELEV.
 - 15 DESIGN WINTER POOL ELEV.
 - 16 CLASS I RIPRAP (REF 1.D1)
 - 17 CLASS II RIPRAP (REF 3.D1)
 - 18 3/4" MINUS AGGREGATE RESURFACE
 - 19 LIVE STAKES (REF 2.3.4.D1)
 - 20 STRAW WATTLES (REF 1.D4)
 - 21 SILT FENCE (REF 2.D3)



SHEET:	C20
DATE:	12/29/2025
PROJECT NO.:	24016
SHEET NO.:	24 OF 34



SOUTHEAST CORNER
 STABILIZATION PLAN

TWO RIVERS PARK - SHORELINE
 STABILIZATION
 BONNER COUNTY, IDAHO



NO.	DATE	REVISIONS	BY	CHK.	DATE

COORDINATE SYSTEM:	NAD83 UTM
SCALE:	AS NOTED
DESIGNED BY:	M. CORNWALL
CHECKED BY:	D. FORSETH
APPROVED BY:	D. FORSETH
DATE:	05/21/2025

Idaho Department of Lands
 JAN 06 2026
 Pend Oreille Lake Supervisory Area
 Navigable Waters

NOTES:

- PRESERVE AND PROTECT ALL EX. ITEMS UNLESS OTHERWISE SPECIFIED.
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KEYNOTES:

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- 08 SUMMER POOL ELEV. (2066.3)
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- 10 CLEARING AND GRUBBING ZONE
- 13 GRADING LIMITS
- 16 HYDROSEED
- 17 DESIGN 100-YR FLOOD ELEV.
- 18 DESIGN SUMMER POOL ELEV.
- 19 DESIGN WINTER POOL ELEV.
- 23 CLASS I RIPRAP (REF 1:D1)
- 24 CLASS II RIPRAP (REF 3:D1)
- 25 3/4" MINUS AGGREGATE RESURFACE
- 29 LIVE STAKES (REF 2.3.4-D1)
- 30 STRAW WATTLES (REF 1:04)
- 31 SILT FENCE (REF 2:D3)



SHEET: C22
 DATE: 12/29/2025
 PROJECT NO: 24076
 SHEET NO.: 26 OF 34



TWO RIVERS PARK - SHORELINE STABILIZATION
 BONNER COUNTY, IDAHO



NO.	DATE	REVISIONS	BY	CHK	DATE

COORDINATE SYSTEM:	NRS 11-D-NF
DRAWN BY:	M. CORNWALL
DESIGNED BY:	C. MACPHERSON, K. DEZII
CHECKED BY:	D. FORRETH
DATE:	06/23/2025
SCALE:	AS NOTED
APPROVED:	D. FORRETH
DATE:	06/23/2025

NOTES:

- PRESERVE AND PROTECT ALL EX. ITEMS UNLESS OTHERWISE SPECIFIED.
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KEYNOTES:

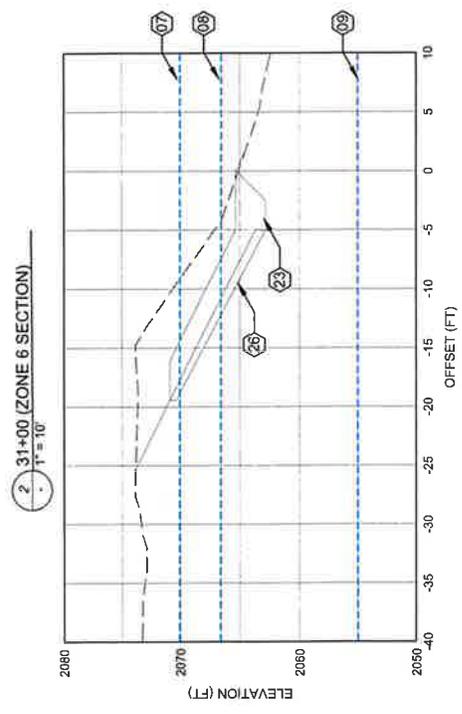
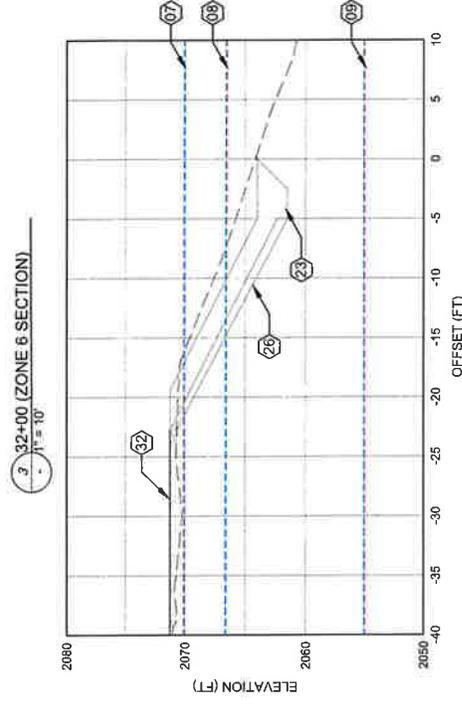
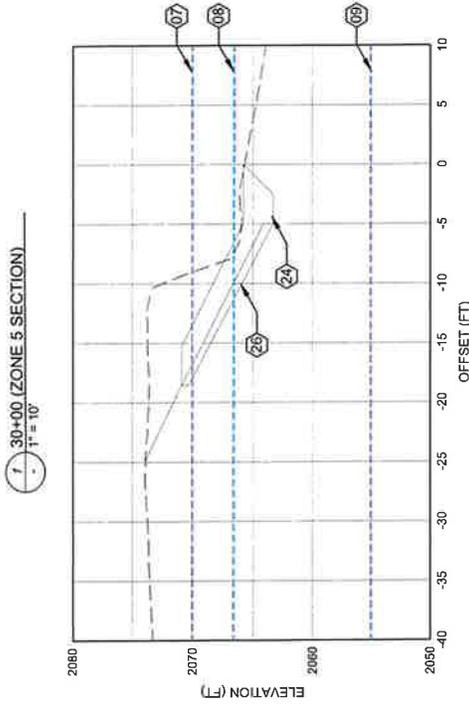
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- 08 SUMMER POOL ELEV. (2066.3)
- 09 WINTER POOL ELEV. (2055.0)
- 23 CLASS I RIPRAP (REF 1:D1)
- 24 CLASS II RIPRAP (REF 3:D1)
- 26 CRUSHED AGGREGATE BEDDING
- 32 EARTH FILL



SHEET: C23
 DATE: 12/29/2025
 PROJECT NO.: 24079
 SHEET NO.: 27 OF 34

**WETLAND
 STABILIZATION PLAN**

TWO RIVERS PARK - SHORELINE
 STABILIZATION
 BONNER COUNTY, IDAHO



NO.	DATE	REVISIONS

XX	CHK	DATE	BY

DESIGNER:	M. CORNWALL	SCALE:	AS NOTED
CHECKED:	C. MACHPHERSON, K. DEZIL	APPROVED:	D. FORSETH
DATE:	06/23/2025	DATE:	XXXXXX

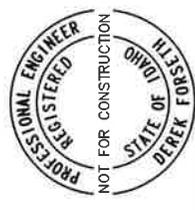
COORDINATE SYSTEM: NRS 11 (D-WF)

NOTES:

- PRESERVE AND PROTECT ALL EX. ITEMS UNLESS OTHERWISE SPECIFIED.
- REMOVE AND DISPOSE OF ALL LOOSE WASTE AND DEBRIS WITHIN WORK LIMITS, SUCH AS TIRES, METAL SCRAPS, TRASH, BROKEN PILING, AND DRIFTWOOD. EXCAVATION OF PARTIALLY BURIED WASTE EXCEEDING 1 CUBIC YARD REQUIRES ENGINEER APPROVAL. FILL AND GRADE EXISTING SURFACE.

KEYNOTES:

- 07 100-YR FLOOD ELEV. (2070.2)
- 08 SUMMER POOL ELEV. (2066.3)
- 09 WINTER POOL ELEV. (2065.0)
- 23 CLASS 1 RIPRAP (REF 1:D1)
- 25 CRUSHED AGGREGATE BEDDING



SHEET: C25
 DATE: 12/29/25
 PROJECT NO.: 24076
 SHEET NO.: 29 OF 34

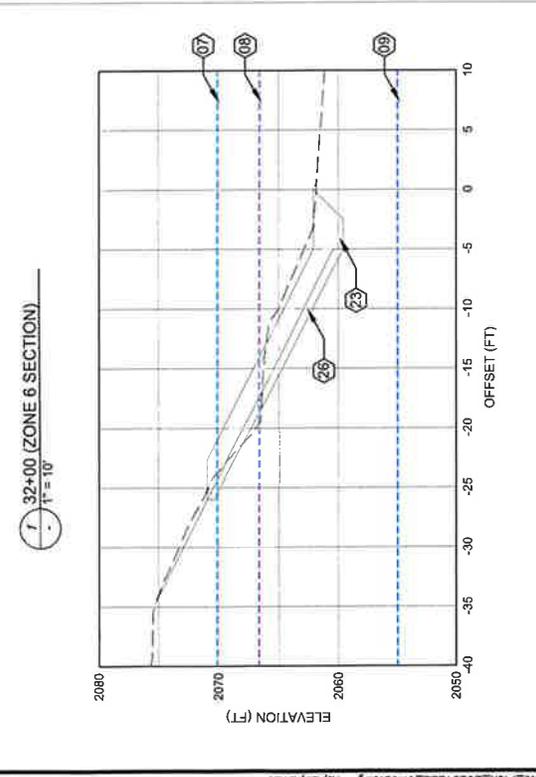
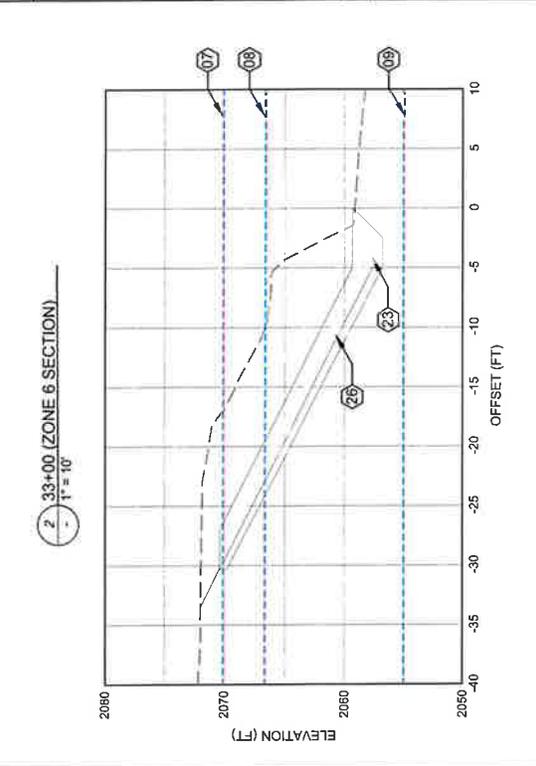
WETLAND STABILIZATION PLAN

TWO RIVERS PARK - SHORELINE STABILIZATION
 BONNER COUNTY, IDAHO



NO.	DATE	REVISIONS	BY	CHK	DATE

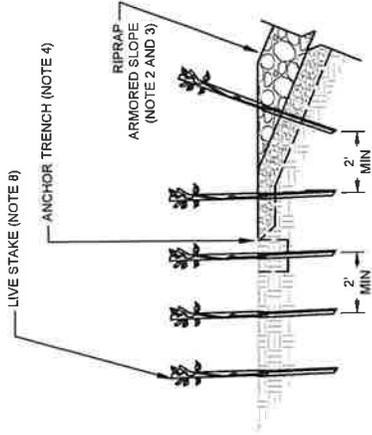
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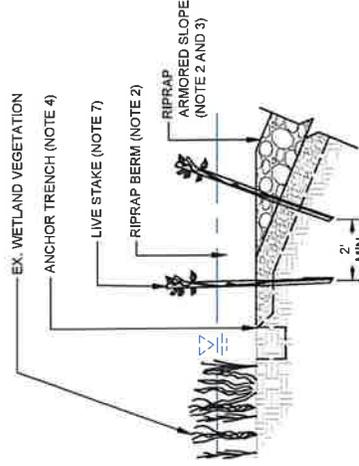
Idaho Department of Lands
FEB 17 2026
 Pend Oreille Lake Supervisory Area
 Navigable Waters

NOTES:

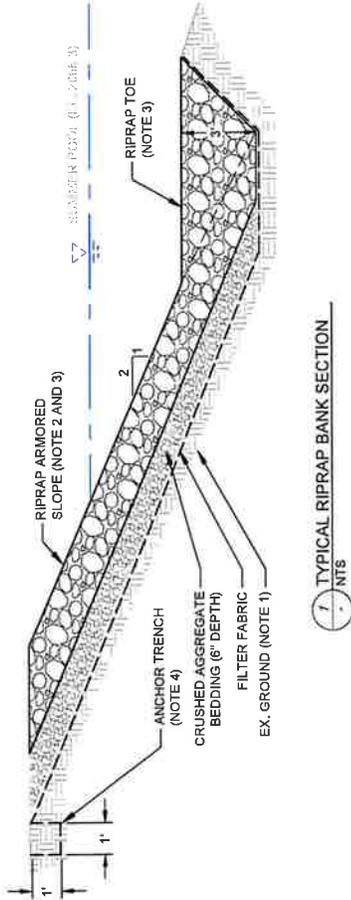
1. GRADE EXISTING BANK SMOOTH AT MINIMUM 2H:1V SLOPE. COMPACT TO REFUSAL.
2. USE FHWA CLASS I RIPRAP IN ZONES 1, 2, 3, AND 6. USE FHWA CLASS II RIPRAP IN ZONES 4 AND 5.
3. CLASS II RIPRAP SHALL BE INSTALLED ON SLOPE WITH A MINIMUM 1.5' THICKNESS. CLASS II SHALL BE INSTALLED ON SLOPE WITH A MINIMUM 2' THICKNESS.
4. USE COMPACTED NATIVE FILL TO ANCHOR FILTER FABRIC.
5. INSTALL 6" LIVE STAKES WITH MINIMUM SPACING OF 2'.
6. EXTEND LIVE STAKE PLANTING ABOVE SUMMER POOL ELEVATION. PLANT LIVE STAKES IN ZONES 3 AND 4. MIN. OF 2 FT ABOVE SUMMER POOL.
7. EXTEND LIVE STAKE PLANTING IN ZONES 5 AND 6 TO THE LIMITS SPECIFIED.



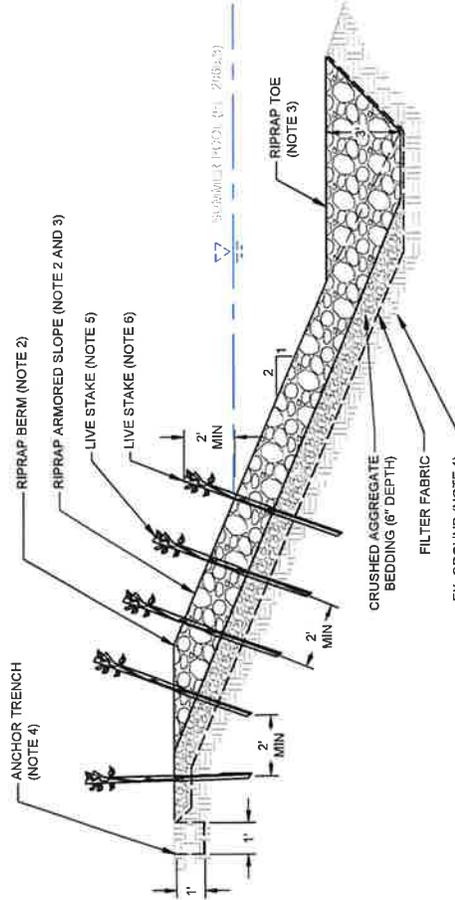
3 TOP OF BANK LIVE STAKE SECTION (ZONES 5 AND 6)
 NTS



4 TOP OF BANK LIVE STAKE SECTION (ZONES 3 AND 4)
 NTS



1 TYPICAL RIPRAP BANK SECTION
 NTS



2 TYPICAL RIPRAP BANK WITH LIVE STAKES SECTION
 NTS



SHEET:	D1
DATE:	12/29/2025
PROJECT NO.:	24076
SHEET NO.:	30 OF 34

DETAILS

TWO RIVERS PARK - SHORELINE STABILIZATION
 BONNER COUNTY, IDAHO

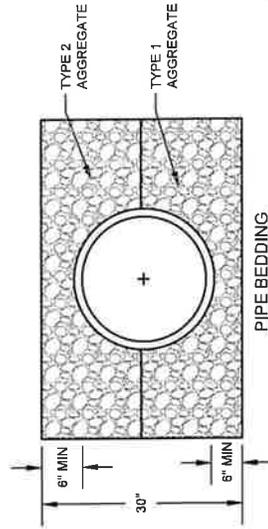
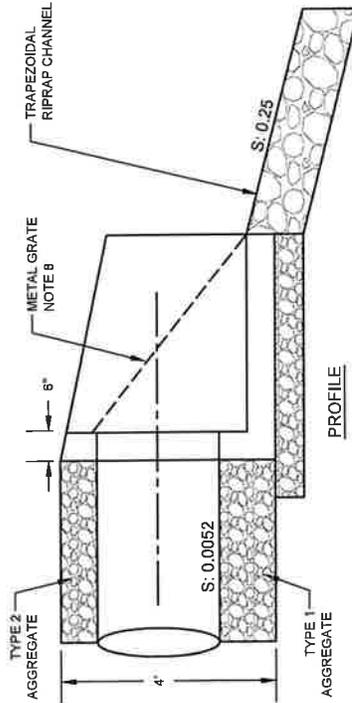
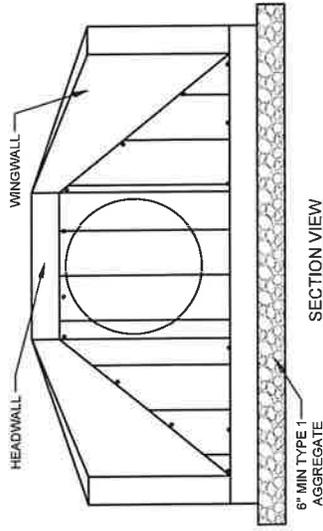
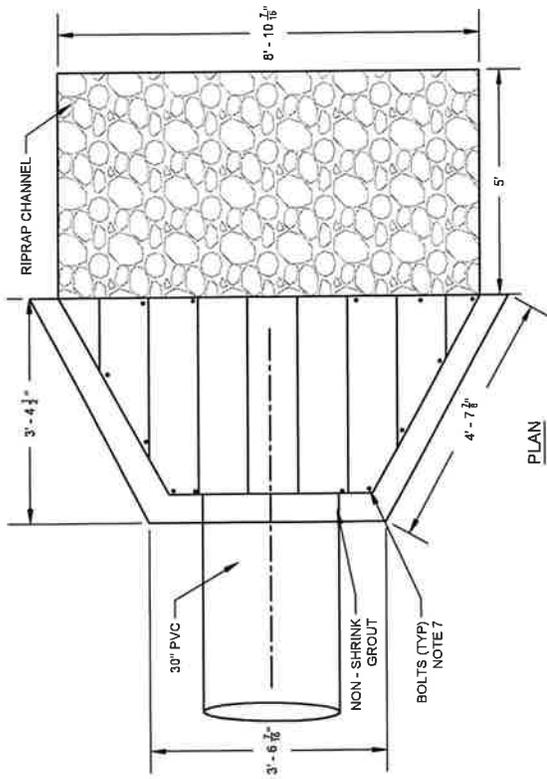
NO.	DATE	REVISIONS

PROJECT:	XXXX
DRAWN BY:	XX
CHECKED BY:	XX
DATE:	06/23/2025
DRAFTER:	M. CORNWALL
SCALE:	AS NOTED
DESIGNED BY:	C. MACPHERSON, K. DEZI
APPROVED BY:	D. FORSETH
DATE:	06/23/2025
COORDINATE SYSTEM:	NAD83 11,14,16
SCALE:	AS NOTED
APPROVED BY:	D. FORSETH
DATE:	06/23/2025

Alta
 Science & Engineering, Inc.

FEB 17 2026

Pend Oreille Lake Supervisory Area
 Navigable Waters

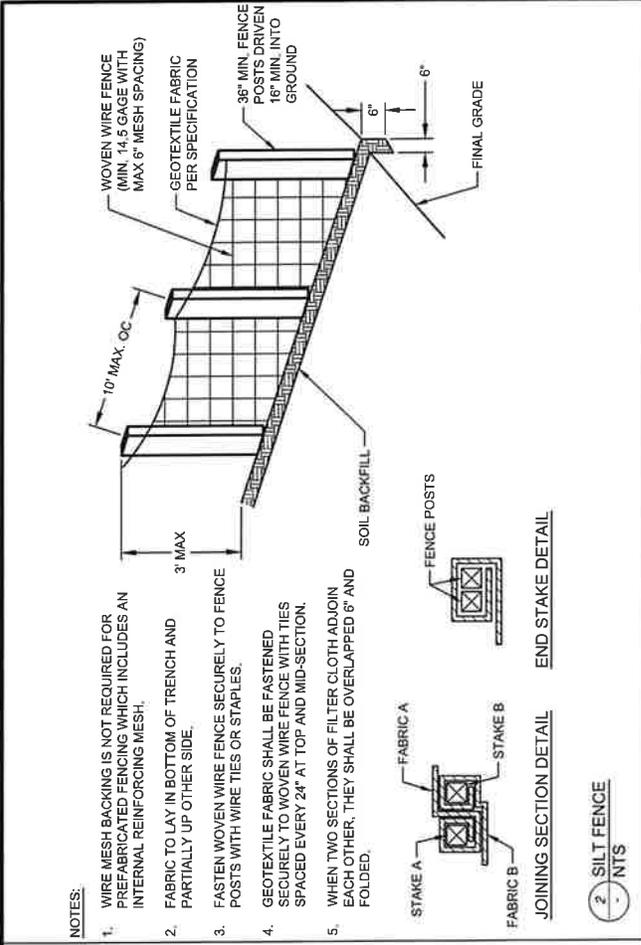


7 STORMWATER OUTLET
 NTS

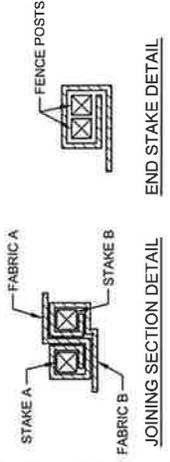


NO.	DATE	REVISIONS	BY	CHK	DATE
0010202020					
XXXX					
XX	XX	DRAWN BY	M. CORNWALL	COORDINATE SYSTEM	NAD83 UTM
		DESIGNED BY	J. MACPHERSON, K. DEB	SCALE	AS NOTED
		CHECKED BY	D. FORBETH	APPROVED BY	D. FORBETH
				DATE	06/23/2025
					30000000X
TWO RIVERS PARK - SHORELINE STABILIZATION			BONNER COUNTY, IDAHO		
DETAILS			SHEET: D2		
			DATE: 12/29/2025		
			PROJECT NO.: 24076		
			SHEET NO.: 31 OF 34		

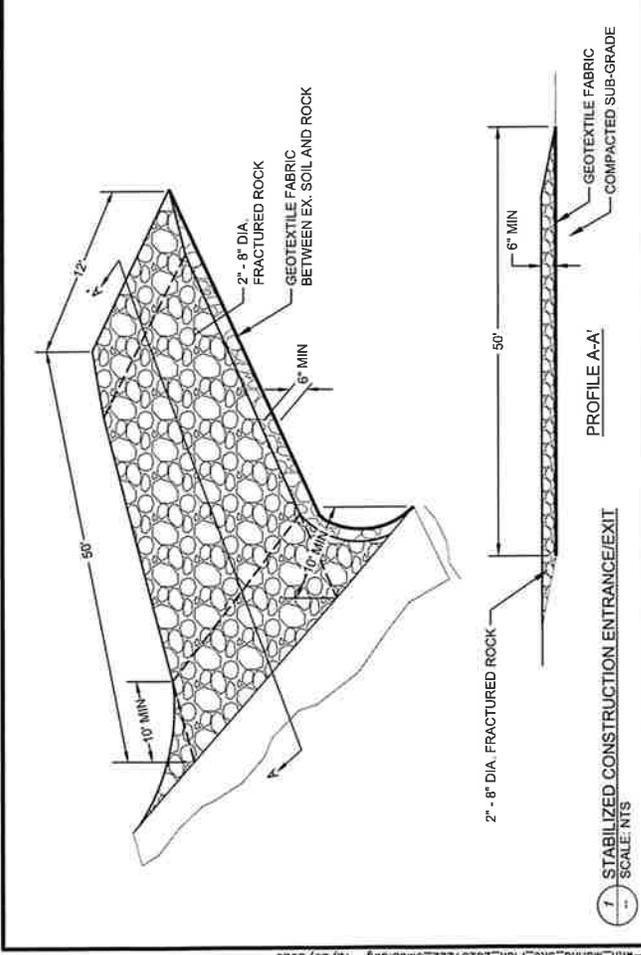




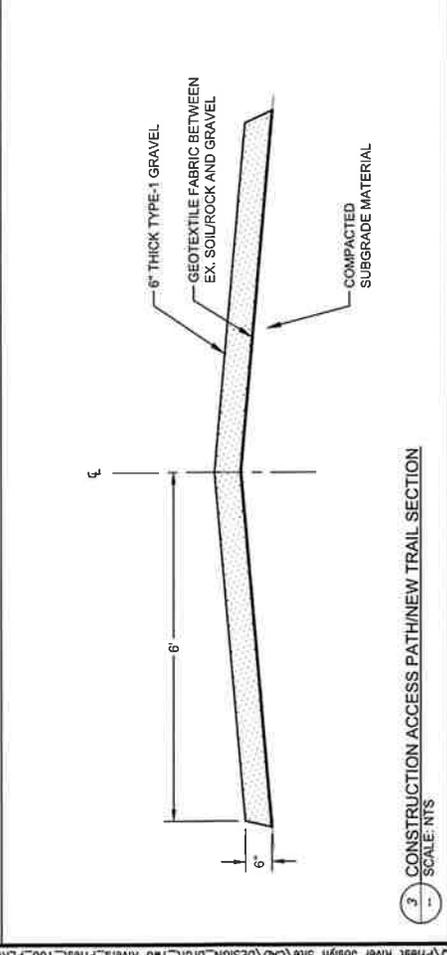
- NOTES:**
1. WIRE MESH BACKING IS NOT REQUIRED FOR PREFABRICATED FENCING WHICH INCLUDES AN INTERNAL REINFORCING MESH.
 2. FABRIC TO LAY IN BOTTOM OF TRENCH AND PARTIALLY UP OTHER SIDE.
 3. FASTEN WOVEN WIRE FENCE SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 4. GEOTEXTILE FABRIC SHALL BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION.
 5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED 6" AND FOLDED.



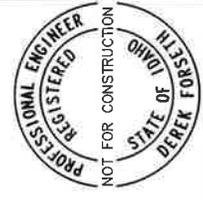
2 SILT FENCE
 NTS



7 STABILIZED CONSTRUCTION ENTRANCE/EXIT
 SCALE: NTS



3 CONSTRUCTION ACCESS PATH/NEW TRAIL SECTION
 SCALE: NTS



SHEET:	D3
DATE:	12/29/2025
PROJECT NO.:	24078
SHEET NO.:	32 OF 34

TWO RIVERS PARK - SHORELINE STABILIZATION
 BONNER COUNTY, IDAHO



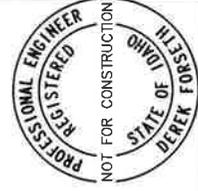
NO.	DATE	REVISIONS	BY	CHK	DATE

DESIGNED	C. MACPHERSON, K. DEZU	AS NOTED
CHECKED	D. FORSETH	
DATE:	06/23/2025	

COORDINATE SYSTEM	NSRS 11.0D.WF
SCALE	AS NOTED
APPROVED:	D. FORSETH
DATE:	06/23/2025

JAN 06 2026

Pend Oreille Lake Supervisory Area
Navigable Waters



SHEET:	D4
DATE:	12/29/2025
PROJECT NO.:	24076
SHEET NO.:	33 OF 34

DETAILS

TWO RIVERS PARK - SHORELINE
STABILIZATION

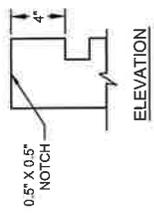
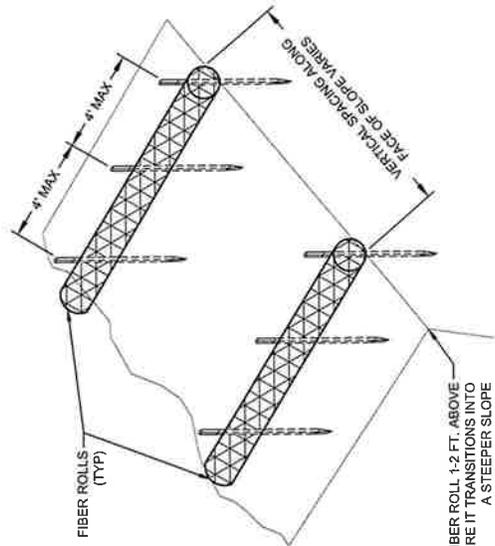
BONNER COUNTY, IDAHO



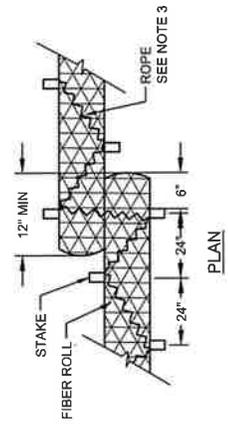
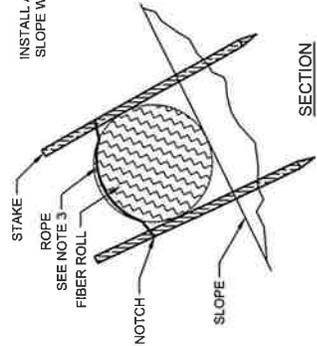
NO.	DATE	REVISIONS	BY	CHK	DATE
1					

COORDINATE SYSTEM	NRS 11 IDWF
SCALE	AS NOTED
DESIGNER	M. CORNWALL
CHECKED	C. MACPHERSON, K. BEHN
APPROVED	D. FORSETH
DATE	06/23/2025
DATE	XXXXXX

- NOTES:
1. INSTALL FIBER ROLL ALONG A LEVEL CONTOUR.
 2. TEMPORARY FIBER ROLL SPACING VARIES DEPENDING UPON SLOPE INCLINATION.
 3. ROPE SHALL BE A MINIMUM OF 3/4" THICK.

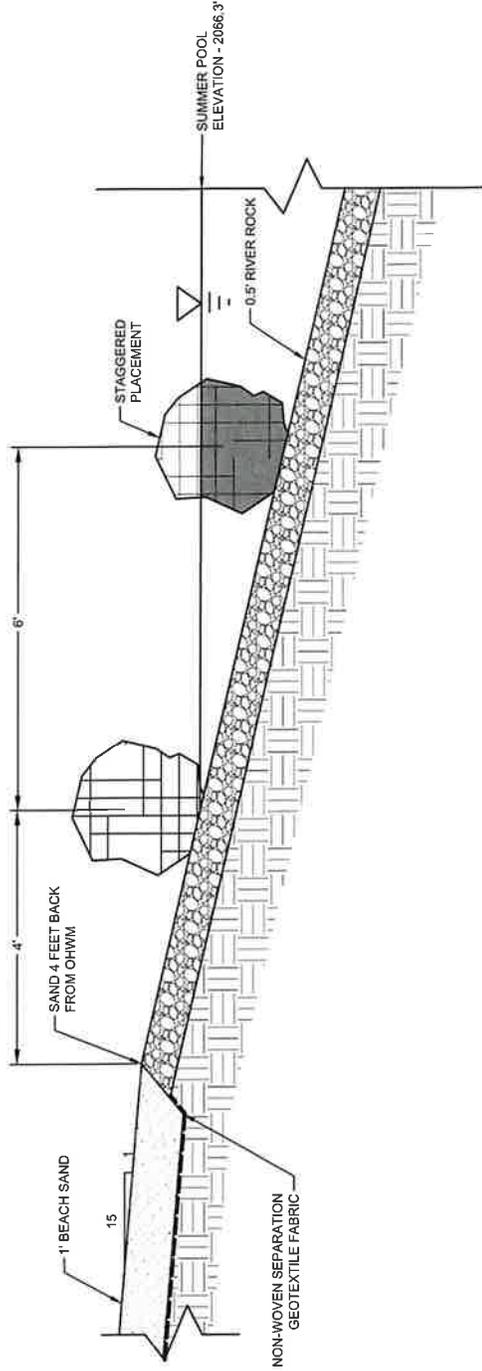


INSTALL A FIBER ROLL 1-2 FT. ABOVE SLOPE WHERE IT TRANSITIONS INTO A STEEPER SLOPE

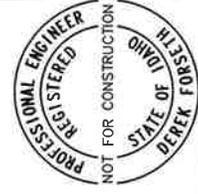


TYPICAL FIBER ROLL INSTALLATION

- NOTES:**
1. ALL SAND MATERIAL TO BE PLACED 1-FOOT ABOVE THE ORDINARY HIGH WATER MARK.
 2. RIVER ROCK WILL BE PLACED ON FLAT GRADED SURFACE TO MATCH WITH THE EXISTING GRADE. STAGGERED AS SHOWN ON CT.
 3. BREAKWATER BOULDERS ARE TO BE PLACED STAGGERED AS SHOWN ON CT.
 4. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED 6" AND FOLDED.

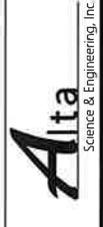


1. TYPICAL BEACH SECTION
 NTS



SHEET:	D5
DATE:	12/29/2025
PROJECT NO.:	24076
SHEET NO.:	34 OF 34

TWO RIVERS PARK - SHORELINE
 STABILIZATION
 BONNER COUNTY, IDAHO



COORDINATE SYSTEM:	NRS 11 IDWF
SCALE:	AS NOTED
DESIGNER:	M. CORNWALL
CHECKED:	C. MACPHERSON, K. DEZSI
APPROVED:	D. FORSETH
DATE:	06/23/2025

NO	DATE	REVISIONS	BY	CHK

PROJECT:	
DATE:	
BY:	
CHK:	



Application Number: _____



Idaho Department of Lands

Commercial/Community/Non-navigational Encroachment Permit Application

This application and required documents must be completed when submitting an encroachment permit application. Incomplete applications will be returned without processing.

This form is three (3) pages, please read and complete all sections.

Encroachment Type(s) (Check all that apply):

- Community dock
- Commercial marina
- Bank stabilization or Rip Rap
- Float home
- Mooring buoy
- Boat garage
- Other – describe: Stabilized Bank for Community Park and Public Use Area

Applicant's Littoral Rights Are:

- Owned, fee simple title holder
- Leased
- Signature of littoral rights owner is obtained if Applicant is not the owner of the riparian/littoral rights
- Other – describe: City is currently acquiring ownership of RP56N04W303801A

Provide a Copy of Each Required Document on 8½"x14" or Smaller Paper:

- County plat map showing both neighboring littoral lots.
- Tax record identifying the owner of the upland parcel(s).
- Lakebed profile with encroachment and water levels of winter and summer.
- General vicinity map that allows Department to find the encroachment.
- Scaled air photo or map showing lengths of nearby encroachments, distances to adjacent encroachments, and location and orientation of the proposed encroachment.



Are Existing Docks or Other Encroachment(s) Permitted On This Parcel(s)?

- No
- Yes. Please attach a current photograph and a "to scale" drawing (see Document Requirements Above)

Permit # _____ Date of Construction: _____

What will happen to the existing dock or encroachment if this permit application is approved?

- Remain unchanged
- Complete removal
- Modification
- Other: _____

(Please note that old dock materials must be removed from the lake. Discarding these materials creates serious boating safety issues and offenders will be subject to prosecution and penalties.)

How Many Feet Does the Proposed Encroachment(s) Extend Beyond the Ordinary (or Artificial) High Water Mark?

Encroachment Type: Riprap 10 to 35 feet

Encroachment Type: Bank Stabilization 55 feet

Encroachment Type: _____ feet

The Proposed Dock Length Is:

- The same or shorter than the two adjacent docks
- Longer than the two adjacent docks
- Longer than the two adjacent docks, but within the line of navigability established by the majority of existing docks in the area.
- _____ feet and not located near any other docks or encroachments.

How many frontage parcel lots does the applicant own? 1 parcels

For Community Docks, Does the Property Have at Least 50 Feet of Littoral Frontage?

- No
- Yes Total front footage: _____ feet

For Community Docks, Does the Proposed Dock Exceed the Maximum Square Footage of 7 ft² per Littoral Front Foot?

- No Total square footage: _____ ft²
- Yes _____ ft²

Will any Proposed Docks Exceed the Maximum Width of 10 Feet?

- No
- Yes If yes, explain why: _____

Will the Proposed Encroachment (besides riprap) Be Located Closer Than 25 Feet to the Riparian/Littoral Right Lines Established with Your Neighbors?

- No
- Yes If yes, what are the proposed distances?
 - Encroachment Type: _____ feet
 - Encroachment Type: _____ 55 _____ feet
 - Encroachment Type: _____ feet
- Consent of affected neighbor was attained

Determining Riparian/Littoral Right Lines

Littoral right lines are not simple extensions of the upland property lines. Littoral right lines are generally perpendicular, or at right angles, to the shoreline. Curved shorelines or unusual circumstances may require Department Staff, or other professionals, to closely examine littoral right lines and assess the potential for infringement on adjacent littoral property owners.

I hereby certify that I am the applicant or authorized representative of the applicant, and that the information contained in this application is true and correct to the best of my knowledge and further acknowledge that falsification or misrepresentation of any information contained herein or provided herewith will be grounds for denial of the application.

Jeff Connolly
Applicant Signature

Jeff Connolly
Applicant Print Name

9-9-25
Date

Mayor
Applicant Title (if applicable)

Second Applicant (If applicable)

Chase MacPherson
Applicant Signature

Chase MacPherson
Applicant Print Name

8/28/2025
Date

PE
Applicant Title (if applicable)