SX-16-00019

KITTITAS COUNTY COMMUNITY DEVELOPMENT SERVICES
411 N. Ruby St., Suite 2, Ellensburg, WA 98926
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Office (509) 962-7506
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"Building Partnerships – Building Communities"

SHORELINE EXEMPTION PERMITTING

(For projects located within 200 feet of a body of water and/or associated floodway and wetlands under the jurisdiction of the Shoreline Master Program)

REQUIRED INFORMATION /ATTACHMENTS

☑ A scaled site plan is required showing location of all structures, driveways, well, septic, fences, etc. and proposed uses and distances from property lines, river, and Horizontal distance from OHWM. To show the Horizontal distance a profile view from the OHWM to the edge of structure/activity shall also be shown.

☑ Include JARPA or HPA forms *if required* for your project by a state or federal agency.

NA SEPA Checklist, if not exempt per WAC 197-11-800.

Please note a Shoreline Variance or Shoreline Conditional Use Permit may also be required. See Kittitas County Shoreline Master Program

APPLICATION FEES:

$830.00 Fees due for this application when SEPA is not required (One check made payable to KCCDS)

$1500.00 Fees due for this application when SEPA is required (One check made payable to KCCDS)

FOR STAFF USE ONLY

Application Received By (CDS Staff Signature): MM DATE: 8/22/16 RECEIPT # 31180

AUG 22 2016

DATE STAMP IN BOX

General Application Information

1. **Name, mailing address and day phone of land owner(s) of record:**
Landowner(s) signature(s) required on application form.

Name: Baxter, James Walter

Mailing Address: 13649 - 18th Ave. S.W

City/State/ZIP: Burien, WA 98166

Day Time Phone: 206-244-7287

Email Address: baxterjw@comcast.net

2. **Name, mailing address and day phone of authorized agent, if different from landowner of record:**
If an authorized agent is indicated, then the authorized agent's signature is required for application submittal.

Agent Name: Thayer, Todd Marcus

Mailing Address: 2131 River Bottom Rd. (P.O. Box 991)

City/State/ZIP: Ellensburg, WA 98926

Day Time Phone: 509-925-5457

Email Address: ThayerExcavatingLLC@gmail.com

3. **Name, mailing address and day phone of other contact person**
If different than land owner or authorized agent.

Name: _____

Mailing Address: _____

City/State/ZIP: _____

Day Time Phone: _____

Email Address: _____

4. **Street address of property:**

Address: 8892 SR 970

City/State/ZIP: Cle Elum, WA 98922

5. **Legal description of property: (attach additional sheets as necessary)**
Acres 5.02 Dunn Short Plat 85-93; PTN. Lot A-1 & PTN. Lot A-2; Sec 26; TWP 20; RGE 16; Situs: 8892 SR 970 Cle Elum 98922

6. **Tax parcel number(s):** (#776936) MAP # 20-16-2650-0002

7. **Property size:** 5.02 **(acres)**

Project Description

1. **Briefly summarize the purpose of the project:**
(See attachment)

2. **What is the primary use of the project (e.g. Residential, Commercial, Public, Recreation)?**
Recreation

3. **What is the specific use of the project (e.g. single family home, subdivision, boat launch, restoration project)?**
Restoration of River Bank to protect recreation home.

4. **Fair Market Value of the project, including materials, labor, machine rentals, etc.** approx. $50,000

5. **Anticipated start and end dates of project construction:** **Start** ASP Aug 2016 **End** Early Oct 2016

Authorization

Application is hereby made for permit(s) to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities. I hereby grant to the agencies to which this application is made, the right to enter the above-described location to inspect the proposed and or completed work.

All correspondence and notices will be transmitted to the Land Owner of Record and copies sent to the authorized agent or contact person, as applicable.

Signature of Authorized Agent:
(REQUIRED if indicated on application)
X _____ **Date:** 8-8-16

Signature of Land Owner of Record
(Required for application submittal):
X James W. Boyton **Date:** 16AUG16

Project Description

1. Briefly summarize the purpose of the project:

A major river bank erosion problem has developed at our property since 2007. It is driven by a large river rock island that grows in size each year. As it has grown, a very high velocity water channel has developed at the interface of our property and the river. Since we purchased the property we have lost approximately 40-50 feet of land to the river. In 2011, we had seven wood current deflectors installed along the river bank, but only two survived the 2016 flood event. The purpose of this project is to install a more robust means of protecting the river bank and to force the high velocity water flow away from the bank and out toward the center of the river. It is imperative that we complete this project expeditiously during the low flow period of the river. We have barely thirty feet of land left in front of our cabin, which creates this urgency, in order to prevent our cabin from being destroyed by another flood. Information and guidance was given for this project by Brent D. Renfrow, (the representative of the Ellensburg WDFW); there was also input from the selected Construction Contractor who has completed similar projects of this type on the Teanaway River. These inputs, along with my own research and study, have resulted in the development of this proposal.

WASHINGTON STATE
Joint Aquatic Resources Permit Application (JARPA) Form[1,2] [help]

USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.

US Army Corps of Engineers
Seattle District

AGENCY USE ONLY
Date received: AUG 22 2016
Agency reference #: X-11e-00019
Tax Parcel #(s): 20-16-26050-0002

Part 1–Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [help]
J. W. Baxter-Bank Stabilization Project

Part 2–Applicant

The person and/or organization responsible for the project. [help]

2a. Name (Last, First, Middle)			
Baxter, James Walter			
2b. Organization (If applicable)			
2c. Mailing Address (Street or PO Box)			
13649 18th Ave SW (Primary residence)			
2d. City, State, Zip			
Burien, Washington 98166			
2e. Phone (1)	**2f.** Phone (2)	**2g.** Fax	**2h.** E-mail
(206-244-7287)	(206-305-7228 cell)	( )	baxterjw@comcast.net

[1] Additional forms may be required for the following permits:
- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at http://www.nws.usace.army.mil/Missions/CivilWorks/Regulatory/PermitGuidebook/EndangeredSpecies.aspx.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

[2] To access an online JARPA form with [help] screens, go to http://www.epermitting.wa.gov/site/alias__resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx.

For other help, contact the Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.

Part 3–Authorized Agent or Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b of this application.) [help]

3a. Name (Last, First, Middle)			
Thayer, Todd Marcus			
3b. Organization (If applicable)			
Thayer Excavating LLC (Project Contractor)			
3c. Mailing Address (Street or PO Box)			
2131 River Bottom Road; P.O. Box 991			
3d. City, State, Zip			
Ellensburg, WA 98926			
3e. Phone (1)	**3f.** Phone (2)	**3g.** Fax	**3h.** E-mail
(509-925-5457)	( )	(509-962-6813)	Thayer Excavating LLC@gmail.com

Part 4–Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. Consider both **upland and aquatic** ownership because the upland owners may not own the adjacent aquatic land. [help]

☒ Same as applicant. (Skip to Part 5.)

☐ Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)

☐ There are multiple upland property owners. Complete the section below and fill out JARPA Attachment A for each additional property owner.

☐ Your project is on Department of Natural Resources (DNR)-managed aquatic lands. If you don't know, contact the DNR at (360) 902-1100 to determine aquatic land ownership. If yes, complete JARPA Attachment E to apply for the Aquatic Use Authorization.

4a. Name (Last, First, Middle)			
4b. Organization (If applicable)			
4c. Mailing Address (Street or PO Box)			
4d. City, State, Zip			
4e. Phone (1)	**4f.** Phone (2)	**4g.** Fax	**4h.** E-mail
( )	( )	( )	

Part 5–Project Location(s)

Identifying information about the property or properties where the project will occur. [help]

☐ There are multiple project locations (e.g. linear projects). Complete the section below and use JARPA Attachment B for each additional project location.

5a. Indicate the type of ownership of the property. (Check all that apply.) [help]

☒ Private
☐ Federal
☐ Publicly owned (state, county, city, special districts like schools, ports, etc.)
☐ Tribal
☐ Department of Natural Resources (DNR) – managed aquatic lands (Complete JARPA Attachment E)

5b. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5h.) [help]

8892 SR 970

5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]

Cle Elum, Washington 98922

5d. County [help]

Kittitas

5e. Provide the section, township, and range for the project location. [help]

¼ Section	Section	Township	Range
SE1/4; SW1/4	Section 26	T20N	R16E

5f. Provide the latitude and longitude of the project location. [help]

- Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83)

+47.190833 N Lat/-120.808056W Long (NAD 83)

5g. List the tax parcel number(s) for the project location. [help]

- The local county assessor's office can provide this information.

Tax Parcel (#776936) Map #20-16-26050-0002

5h. Contact information for all adjoining property owners. (If you need more space, use JARPA Attachment C.) [help]

Name	Mailing Address	Tax Parcel # (if known)
Rod Batura (1-509-674-5202)	8894 SR 970 Cle Elum, Washington 98922	
Ted Philichi (1-253-219-6531)	8890 SR 970 Cle Elum, Washington 98922	

5i. List all wetlands on or adjacent to the project location. [help]

None

5j. List all waterbodies (other than wetlands) on or adjacent to the project location. [help]

Teanaway River

5k. Is any part of the project area within a 100-year floodplain? [help]

☒ Yes ☐ No ☐ Don't know

5l. Briefly describe the vegetation and habitat conditions on the property. [help]

The property is covered with a stand of mature cottonwood trees. The ground cover under the trees has been allowed to grow naturally and is covered with dense brush typical to the area. The Teanaway River runs along the southern boundary of the property with willow trees, brush, sand, and river rock along the boundary line.

5m. Describe how the property is currently used. [help]

The property has a cabin and a separate garage which are located close to the river. It is used by family and friends for recreational purposes. The cabin construction was started in 1986, and was purchased by the present owner in 2007. The previous owner also used the property from 1986-2007 for recreational purposes.

5n. Describe how the adjacent properties are currently used. [help]

The property to the east is a relatively new home with additional out-buildings. It is currently the owners primary residence. (8894). The property to the west (8890) was recently purchased by the current owners who do not live on the property as their primary residence which is located in Tacoma , Washington.

5o. Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. [help]

There are two structures built on the property; a cabin, and a detached garage/workshop. The buildings are well maintained. The cabin has two levels above ground. The structure is built on a partially buried foundation that forms a full basement under the cabin. The upper stories are the living quarters and the unfinished basement is used for recreation and storage purposes. The detached garage/workshop provides an area for maintenance equipment storage, as well as space for a vehicle.

5p. Provide driving directions from the closest highway to the project location, and attach a map. [help]

Drive east on Interstate 90 and take exit 85 which is about 1 mile east of Cle Elum, Washington. Travel east/northeast on State Route 970 until you reach mile marker 5.0; continue around the curve about 300 feet, then turn right off SR970 onto the 8892 property access road.

Part 6–Project Description

6a. Briefly summarize the overall project. You can provide more detail in 6b. [help]

This project consists two basic elements:. (1) The construction of five rock bank barbs spaced along the northern bank of the Teanaway River. Each barb contains anchor rocks placed at the top of the river bank. In addition, key rocks will be situated in the land area leading away from the river in order to stabilize the river bank. (2) The second element involves the construction of two wood related current deflectors between barbs #1 and #2; and barbs #2 and #3. These are needed to provide additional erosion protection in the area where the river bank was completely eroded away.

6b. Describe the purpose of the project and why you want or need to perform it. [help]

A major river bank erosion problem has developed at our property since 2007. It is driven by a large river rock island that grows in size each year. As it has grown, a very high velocity water channel has developed at the interface of our property and the river. Since we purchased the property we have lost approximately 40-50 feet of land to the river. Four years ago (2011) we had seven wood current deflectors installed along the river bank, but only two survived the 2016 flood event. The purpose of this project is to install a more robust means of protecting the river bank and to force the high velocity water flow away from the bank and out toward the center of the river. It is imperative that we complete this project expeditiously during the low flow period of the river.. We have barely thirty feet of land left in front of our cabin, which creates an urgency in order to prevent our cabin from being destroyed by another flood.. Information and guidance was given for this project by Brent D. Renfrow, (the representative of the Ellensburg WDFW) ; there was also input from the selected Construction Contractor who has completed similar projects of this type on the Teanaway River. These inputs, along with my own research and study, has resulted in the development of this proposal.

A suggested alternative to the above stated project:

**If the Core of Engineers would consider removing or altering the huge rock island creating the problem, it could eliminate the need for this costly project.

6c. Indicate the project category. (Check all that apply) [help]

- ☐ Commercial
- ☐ Residential
- ☐ Institutional
- ☐ Transportation
- ☐ Recreational
- ☒ Maintenance
- ☐ Environmental Enhancement

6d. Indicate the major elements of your project. (Check all that apply) [help]

☐ Aquaculture	☐ Culvert	☐ Float	☐ Retaining Wall (upland)
☒ Bank Stabilization	☐ Dam / Weir	☐ Floating Home	☐ Road
☐ Boat House	☐ Dike / Levee / Jetty	☐ Geotechnical Survey	☐ Scientific Measurement Device
☐ Boat Launch	☐ Ditch	☐ Land Clearing	☐ Stairs
☐ Boat Lift	☐ Dock / Pier	☐ Marina / Moorage	☐ Stormwater facility
☐ Bridge	☐ Dredging	☐ Mining	

☐ Bulkhead ☐ Buoy ☒ Channel Modification	☐ Fence ☐ Ferry Terminal ☐ Fishway	☐ Outfall Structure ☐ Piling/Dolphin ☐ Raft	☐ Swimming Pool ☐ Utility Line
☐ Other:			

6e. Describe how you plan to construct each project element checked in 6d. Include specific construction methods and equipment to be used. [help]

- *Identify where each element will occur in relation to the nearest waterbody..*
- Indicate which activities are within the 100-year floodplain.

Channel Modification:

The channel modification will be accomplished by the installation of a series of bank barbs placed at specific locations along the northern river bank of the Teanaway River. The construction of these bank barbs will be created utilizing long-reach tracked excavators working from the bank of the river. The work will be performed by first developing the barb anchor section which supports the excavator. This will enable the building of the barb from a position on the bank extending out toward the center of the river. The rocks forming the barb will be emplaced on the river bed without any excavations. It should be noted that this construction work will be accomplished during the low flow period of the river which would be mid-August through mid-September. Construction of the barbs will also include the excavation of "key rock" channels perpendicular and leading away from the river bank. (see accompanied drawings) The channels will be approximately three feet wide and 1.5-2 feet deep. These channels will be built using backhoe type equipment. After excavating these channels, they will be filled with large rock to be covered with topsoil for supporting vegetation in order to stabilize the river bank.

Bank Stabilization:

The bank stabilization will be accomplished by constructing the series of bank barbs extending into the river. The placement of these barbs will provide periodic restrictions to the high velocity water channel currently surging along the TOE of the river bank. In addition, two wood current deflectors will be installed between barbs (1-2) and (2-3). These would provide added protection in the area where the river bank has been completely eroded away. The above activities will be accomplished within the 100- year flood plain.

6f. What are the anticipated start and end dates for project construction? (Month/Year) [help]

- If the project will be constructed in phases or stages, use JARPA Attachment D to list the start and end dates of each phase or stage.

Start date :mid-August 2016 End date: mid-Sept 2016 ☐ See JARPA Attachment D

6g. Fair market value of the project, including materials, labor, machine rentals, etc. [help]

6h. Will any portion of the project receive federal funding? [help]

- **If yes**, list each agency providing funds.

☐ Yes
☒ No ☐ Don't know

Part 7–Wetlands: Impacts and Mitigation

☐ Check here if there are wetlands or wetland buffers on or adjacent to the project area. (If there are none, skip to Part 8.) [help]

7a. Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [help]

☐ Not applicable

7b. Will the project impact wetlands? [help]

☐ Yes ☐ No ☐ Don't know

7c. Will the project impact wetland buffers? [help]

☐ Yes ☐ No ☐ Don't know

7d. Has a wetland delineation report been prepared? [help]

- **If Yes**, submit the report, including data sheets, with the JARPA package.

☐ Yes ☐ No

7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [help]

- **If Yes**, submit the wetland rating forms and figures with the JARPA package.

☐ Yes ☐ No ☐ Don't know

7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [help]

- **If Yes**, submit the plan with the JARPA package and answer 7g.
- **If No, or Not applicable**, explain below why a mitigation plan should not be required.

☐ Yes ☐ No ☐ Not applicable

7g. Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [help]

7h. Use the table below to list the type and rating of each wetland impacted, the extent and duration of the impact, and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan. [help]

Activity (fill, drain, excavate, flood, etc.)	Wetland Name[1]	Wetland type and rating category[2]	Impact area (sq. ft. or Acres)	Duration of impact[3]	Proposed mitigation type[4]	Wetland mitigation area (sq. ft. or acres)

[1] If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.
[2] Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.
[3] Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.
[4] Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

Page number(s) for similar information in the mitigation plan, if available: _____

7i. For all filling activities identified in 7h, describe the source and nature of the fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland. [help]

7j. For all excavating activities identified in 7h, describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [help]

Part 8–Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, "waterbodies" refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [help]

☒ Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

8a. Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [help]

☐ Not applicable

This project was designed to minimize the impact on the aquatic environment and protect the river from high velocity water damage. The materials used are all natural and compatible with fish and wildlife habitat requirements. The project does not add or remove any material from the riverbed that would adversely affect fish life. The bank barbs are designed to slow high velocity water and move the flow away from the bank and out toward the center of the channel. Experience with diverters of this type have shown that moving the flow channel "out" enables the development of a scoured channel better suited for fish life. In addition, the placement of the barb anchor sections will serve as periodic restriction to the high velocity water flow along the TOE of the river bank. This slowing of the water creates an environment more attractive to fish habitat.

8b. Will your project impact a waterbody or the area around a waterbody? [help]

☒ Yes ☐ No

8c. Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies? [help]

- **If Yes**, submit the plan with the JARPA package and answer 8d.
- **If No, or Not applicable,** explain below why a mitigation plan should not be required.

☐ Yes ☒ No ☐ Not applicable

A migration plan should not be required due to the fact that the project does not adversely impact the Teanaway River in any way. The river course, flow, and water quality are basically unchanged. The only affect that the project has is to redirect a high velocity flow (Thalweg) away from the eroding river bank out toward the center of the river. The environment for the fish is likely to be improved along the extent of the project.

8d. Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

- If you already completed 7g you do not need to restate your answer here. [help]

N/A

8e. Summarize impact(s) to each waterbody in the table below. [help]

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name[1]	Impact location[2]	Duration of impact[3]	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Trenching (Keys) (AWB)	N/A	AWB(Away from water body)	Temporary	N/A	N/A
Excavation (ADJ) Top of river bank	Teanaway River	ADJ(adjacent to water body)	Temporary	N/A	60 feet
Rock emplacement (IWB)	Teanaway River	River bed	Permanent	(IWB) -265 Cubic Yards	235 feet
Rock emplacement (AWB) Keys	N/A	(AWB)-keys	Permanent	N/A	N/A
Ballast Rocks IWB (in water body)	Teanaway River	River bed	Permanent	(IWB)- 10 Cubic Yards	N/A

[1] If no official name for the waterbody exists, create a unique name (such as "Stream 1") The name should be consistent with other documents provided.
[2] Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.
[3] Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

8f. For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [help]

It is expected that this project will take about a month to complete. Once the permits are approved, the contractor will schedule the time during the period from mid-August to mid-September in order to have it completed during the low flow period of the river. All fill material used in this project shall be quarry grade rock of varying sizes as noted on the accompanying project drawings. The quantity of rock to be placed in the waterbody is estimated to be 275 cubic yards. All rock emplacement work will be accomplished from the river bank utilizing a long reach tracked excavator. There will be no excavation on the river bed floor during emplacement of these rocks. The impact location of adding rock to the riverbed will occur within the 100- year flood plain.

8g. For all excavating or dredging activities identified in 8e, describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [help]

Excavation work identified in table 8e involves the removal of material from the top surface of the bank at each barb structure location by use of the long-reach tracked excavator. In addition, excavation for the key rock channels will be accomplished using standard back-hoe equipment. It is estimated that a total of 20 cubic yards of material will be removed from the bank top locations and about 40 cubic yards of material from the key channel locations. Approximately one-third of the excavated material would be used to cover the key rock emplacements. The remaining material will be used on the property away from the river in low areas which need fill.

Part 9–Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

9a. If you have already worked with any government agencies on this project, list them below. [help]

Agency Name	Contact Name	Phone	Most Recent Date of Contact
Washington Department of Fish and Wildlife	Brent D. Renfrow	(509-925-1013) or cell (360-402-2537)	July 19, 2016
Kittitas County Permit Department	Jeff Watson	(509-962-7506)	July 12,2016
Corps of Engineers	Debbie Knaub	(206-258-1371)	July 21,2016

9b. Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology's 303(d) List? [help]

- **If Yes,** list the parameter(s) below.
- If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: http://www.ecy.wa.gov/programs/wq/303d/.

☒ Yes ☐ No

The Teanaway River is listed as "impaired" for temperature issues on the Washington Water Quality Assessment (303d) list.

9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [help]

- Go to http://cfpub.epa.gov/surf/locate/index.cfm to help identify the HUC.

HUC Code # 17030001

9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [help]

- Go to http://www.ecy.wa.gov/services/gis/maps/wria/wria.htm to find the WRIA #.

WRIA #39

9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [help]

- Go to http://www.ecy.wa.gov/programs/wq/swqs/criteria.html for the standards.

☐ Yes ☐ No ☒ Not applicable

9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [help]

- If you don't know, contact the local planning department.
- For more information, go to: http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html.

☒ Rural ☐ Urban ☐ Natural ☐ Aquatic ☐ Conservancy ☐ Other _____

9g. What is the Washington Department of Natural Resources Water Type? [help]

- Go to http://www.dnr.wa.gov/forest-practices-water-typing for the Forest Practices Water Typing System.

☐ Shoreline ☒ Fish ☐ Non-Fish Perennial ☐ Non-Fish Seasonal

9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [help]

- **If No**, provide the name of the manual your project is designed to meet.

☐ Yes ☒ No

Name of manual: N/A

9i. Does the project site have known contaminated sediment? [help]

- **If Yes**, please describe below.

☐ Yes ☒ No

9j. If you know what the property was used for in the past, describe below. [help]

To my knowledge, the property has only been used for recreational purposes since the construction of the cabin beginning in 1986.

9k. Has a cultural resource (archaeological) survey been performed on the project area? [help]

- **If Yes**, attach it to your JARPA package.

☐ Yes ☒ No

9l. Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [help]

The Federal Endangered Species Act (ESA) list identifies four endangered fish species which may reside in the vicinity of this project. These include (1) upper Columbia Spring run Chinook Salmon, (2) lower Columbia River Coho Salmon, (3) middle Columbia River Steelhead, and (4) Bull Trout-USA. Completion of the project described in this proposal will have no adverse effect on any of these species.

9m. Name each species or habitat on the Washington Department of Fish and Wildlife's Priority Habitats and Species List that might be affected by the proposed work. [help]

The Teanaway River has documented populations of Spring Chinook, Coho, Summer Steelhead, and Bull Trout. Both Steelhead and Bull Trout are listed as "threatened" under the Endangered Species "ESA" list discussed in 9l above. With this in mind, the Washington State Fish and Wildlife Representative in Ellensburg, Washington, was instrumental in providing guidance and suggestions for development of this proposal. The result was an approach that would reduce/eliminate the effects of high velocity water on the river bank and yet enhance the fish habitat for about 400 or more feet along the river.

Part 10–SEPA Compliance and Permits

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at http://apps.oria.wa.gov/opas/.
- Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.
- For a list of addresses to send your JARPA to, click on agency addresses for completed JARPA.

10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [help]

- For more information about SEPA, go to www.ecy.wa.gov/programs/sea/sepa/e-review.html.

☐ A copy of the SEPA determination or letter of exemption is included with this application.

☐ A SEPA determination is pending with _____ (lead agency). The expected decision date is _____.

☐ I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [help]

☒ This project is exempt (choose type of exemption below).

☒ Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?
WAC 197-11-835 (2)

☐ Other: _____

☐ SEPA is pre-empted by federal law.

10b. Indicate the permits you are applying for. (Check all that apply.) [help]

LOCAL GOVERNMENT

Local Government Shoreline permits:

☐ Substantial Development ☐ Conditional Use ☐ Variance

☒ Shoreline Exemption Type (explain): _____

Other City/County permits:

☐ Floodplain Development Permit ☐ Critical Areas Ordinance

STATE GOVERNMENT

Washington Department of Fish and Wildlife:

☒ Hydraulic Project Approval (HPA) ☐ Fish Habitat Enhancement Exemption – Attach Exemption Form

You must submit a check for $150 to Washington Department of Fish and Wildlife, unless your project qualifies for an exemption or alternative payment method below. **Do not send cash.**

Check the appropriate boxes:

☒ $150 check enclosed. Check # 9289
Attach check made payable to Washington Department of Fish and Wildlife.

☐ My project is exempt from the application fee. (Check appropriate exemption)
- ☐ HPA processing is conducted by applicant-funded WDFW staff. Agreement # _____
- ☐ Mineral prospecting and mining.
- ☐ Project occurs on farm and agricultural land. (Attach a copy of current land use classification recorded with the county auditor, or other proof of current land use.)
- ☐ Project is a modification of an existing HPA originally applied for, prior to July 10, 2012. HPA # _____

Washington Department of Natural Resources:

☐ Aquatic Use Authorization

Complete JARPA Attachment E and submit a check for $25 payable to the Washington Department of Natural Resources. **Do not send cash.**

Washington Department of Ecology:

☐ Section 401 Water Quality Certification

FEDERAL GOVERNMENT

United States Department of the Army permits (U.S. Army Corps of Engineers):

☒ Section 404 (discharges into waters of the U.S.) ☐ Section 10 (work in navigable waters)

United States Coast Guard permits:

☐ Private Aids to Navigation (for non-bridge projects)

Part 11–Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [help]

11a. Applicant Signature (required) [help]

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. JWB (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. JWB (initial)

JAMES W BAXTER	James W Baxter	23 JUL 2016
Applicant Printed Name	Applicant Signature	Date

11b. Authorized Agent Signature [help]

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

Todd Thayer		7-15-16
Authorized Agent Printed Name	Authorized Agent Signature	Date

11c. Property Owner Signature (if not applicant) [help]
Not required if project is on existing rights-of-way or easements.

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

JAMES W. BAXTER	James W. Baxter	23 JUL 2016
Property Owner Printed Name	Property Owner Signature	Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device 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 statement or entry, shall be fined not more than $10,000 or imprisoned not more than 5 years or both.

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341.
ORIA publication number: ENV-019-09 rev. 09/2015

J.W. Baxter-Bank Stabilization Project

July 2016

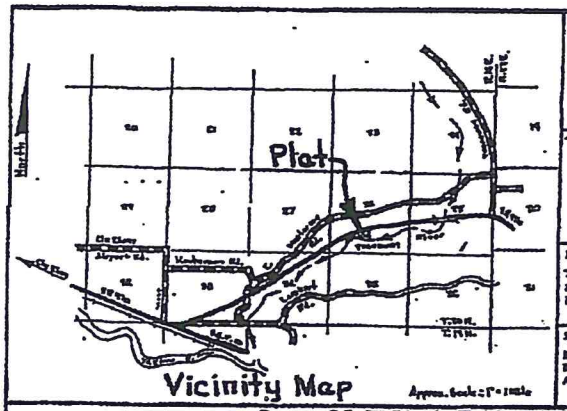
Doc. No. 491404

KITTITAS CO. SHORT PLAT NO. 85-03

A portion of Sec. 26, T. 20 N., R. 16 E., W.M.
Original Tract
Assessor's Parcel No(s).

Future Permits:
The approval of this short plat is not a guarantee that future permits will be granted.

Submitted on:
Receipt No.
Return for Cause on:
Approval Dates:



DEDICATION

Know all men by these presents: That Rodney T. Dunn and Marianne Dunn, the undersigned owners in fee simple of the herein described property, do hereby declare, subdivide, and plat as herein described.

Rodney T. Dunn — Marianne Dunn

ACKNOWLEDGEMENT

State of Washington
County of Kittitas

This is to certify that on this 21st day of October, 1985, before me the undersigned a notary public personally appeared Rodney T. Dunn and Marianne Dunn, to me known to be the persons who executed the foregoing dedication and acknowledged to me that they signed and sealed the same as their free and voluntary act and deed for the uses and purposes therein mentioned.

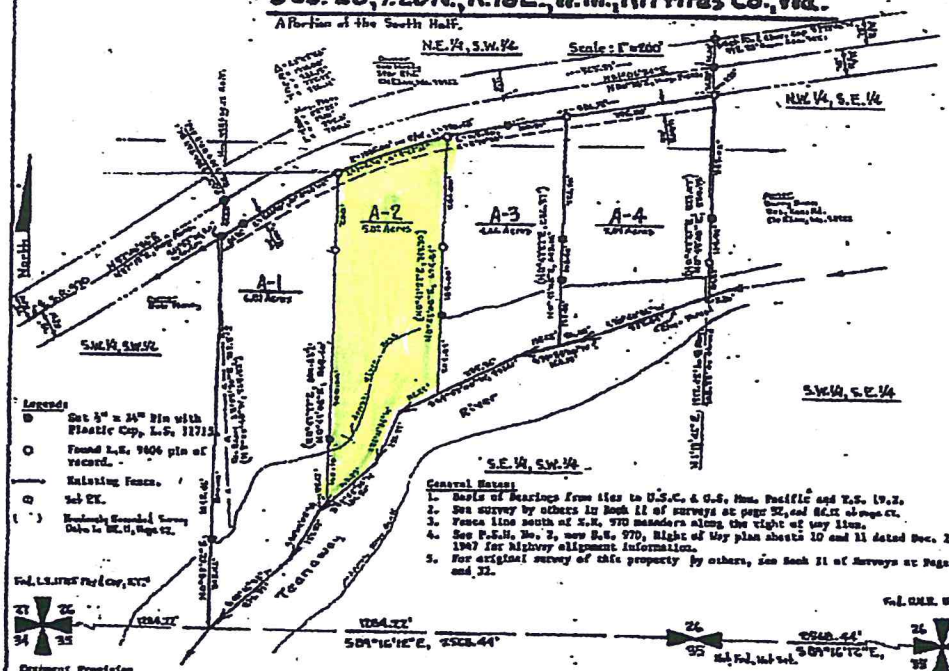
Witness my hand and official seal this 21st day of October, 1985.

Notary Public in and for the State of Washington residing at Ellensburg

Sec. 26, T.20N., R.16E., W.M., Kittitas Co., Wa.

A Portion of the South Half.

Scale: 1" = 200'



Legend:
- ● Set ½" x 24" Rin with Plastic Cap, L.S. 11715
- ○ Found L.S. 9404 pin of record.
- Existing Fence.
- Sub Div.
- ( ) Previously Recorded Survey Data in Bk. 11, Page 32.

General Notes:
1. Basis of Bearings from ties to U.S.C. & G.S. Mon. Pacific and T.S. 19.2.
2. Set survey by others in Book 11 of surveys at page 32, and Bk. 11 at page 67.
3. Fence line south of S.R. 970 meanders along the right of way line.
4. See P.S.H. No. 2, new S.R. 970, Right of Way plan sheets 10 and 11 dated Dec. 23, 1947 for highway alignment information.
5. For original survey of this property by others, see Book 11 of Surveys at Pages 31 and 32.

Easement Provision

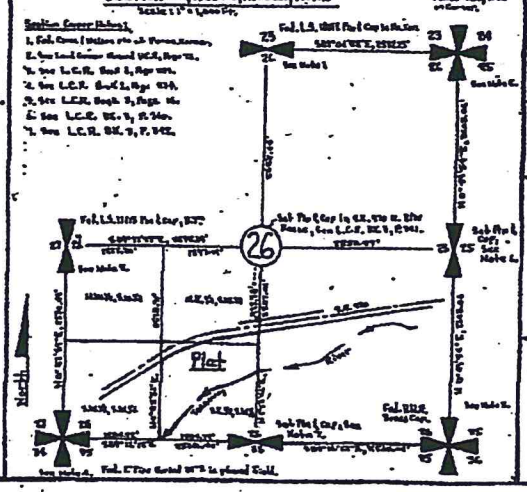
Easement is hereby reserved and granted to Public Utilities District and Pac. N.W. Bell Co., and their respective successors and assigns under and upon the exterior 5 feet of front and rear boundary lines and under and upon the exterior 2.5 feet of side boundary lines of all lots, in which to install, lay, construct, renew, operate and maintain overhead or underground conduits, cables, and wires with necessary facilities and other equipment for the purposes of serving the subdivision with electric and telephone service, together with the right to enter upon all lots at all times for the purposes stated.

Description of Survey

That portion of the South Half of Section 26, Township 20 North, Range 16 East, W.M., Kittitas County, Washington lying southerly of the southerly Right of Way line of State Road No. 970 and North of the Centerline of the Teanaway River, Except the East 2559.00 feet thereof. Also known as Tracts A-1, A-2, A-3 and A-4, of volume 11 of Surveys, Page 32.

Contains 21.30 Acres, more or less.

Section 26, T.20N., R.16E., W.M.



Planning Department

This Subdivision meets all minimum requirements and standards of the Kittitas County Subdivision Ordinance, all procedures of said Ordinance have been complied with.

Planning Director — Date: Sept. 19, 1985

Kittitas Co. Dept. Public Works

Adequate provision has been made for roads serving all properties in this subdivision. All required improvements have been completed or completion is guaranteed by a surety bond on file in this office.

Director Dept. Public Works — Date: 10/21/85

County Treasurer

I hereby certify that all state and county taxes heretofore levied against the above platted property described herein, according to the books and records of my office, have been fully paid and discharged.

Treasurer — Date: 10/21/85

Auditor's Certificate

Filed for record this 21st day of October, 1985, at the request of Rodney and Marianne Dunn.

Auditor — Deputy

Name and Address of original tract owners:
Rodney T. Dunn
Easterbrook Canyon Road
Cle Elum, Wa. 98922

Phone 674-2040
Existing Zoning Forest and Range
Source of Water Well
Sewage System Septic and Drainfield
Irrigation System None
Width and type of access Home Required
No. of Short Platted Lots 4

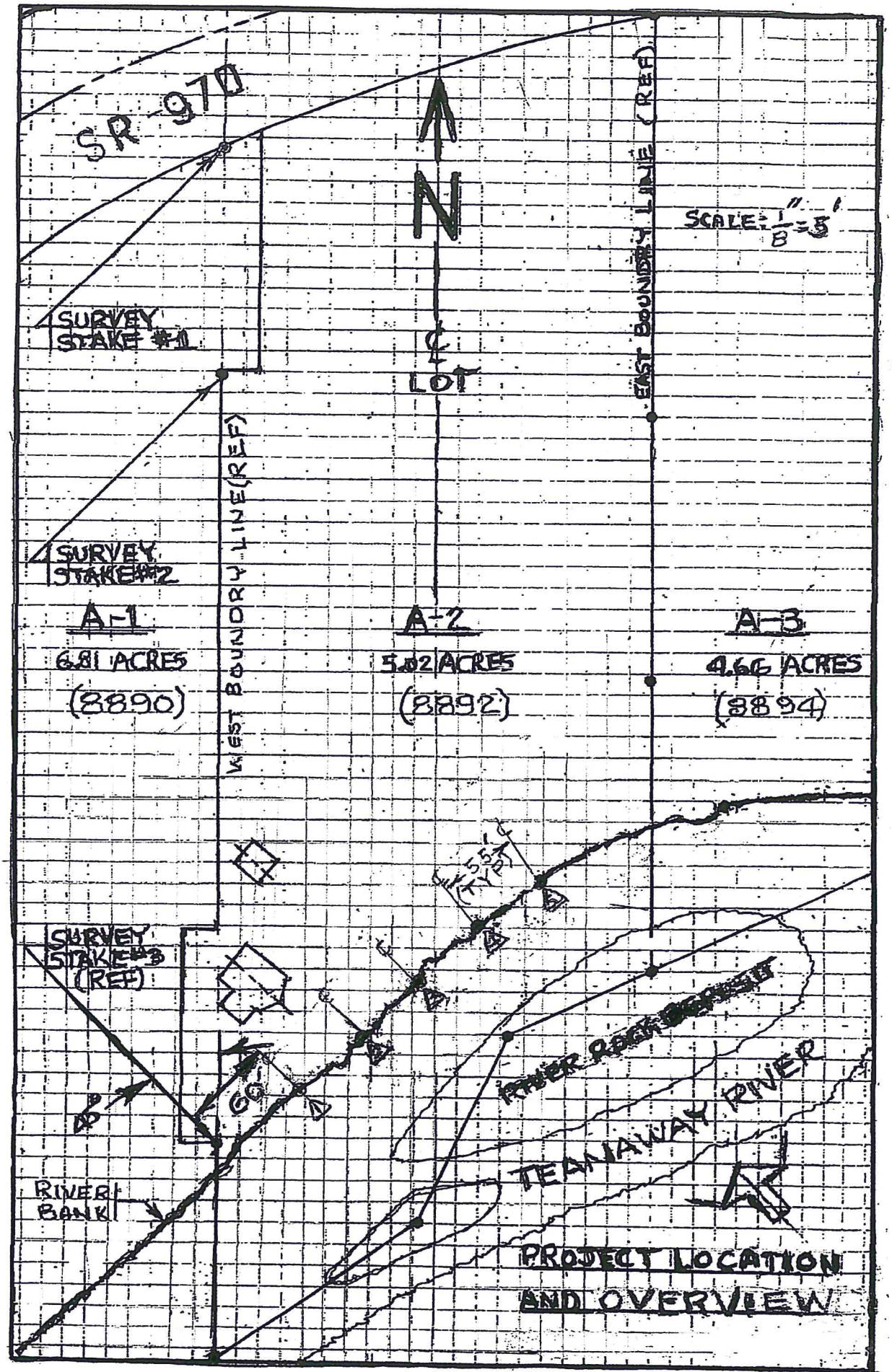
Surveyor's Certificate

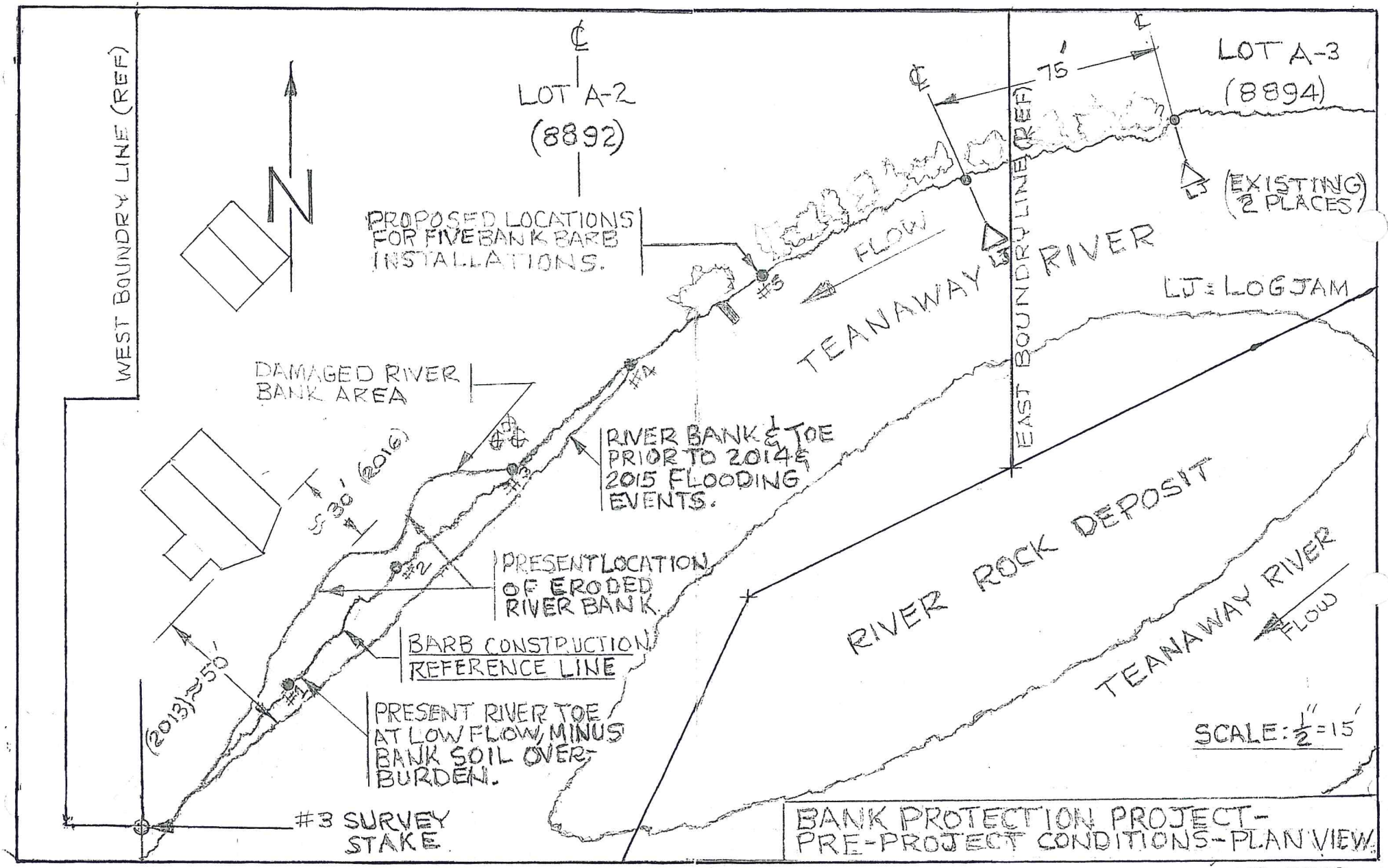
This map correctly represents a survey made by me in conformance with the requirements of the Survey Recording Act at the request of Rodney T. Dunn.

Signed — Reg. No. 11715

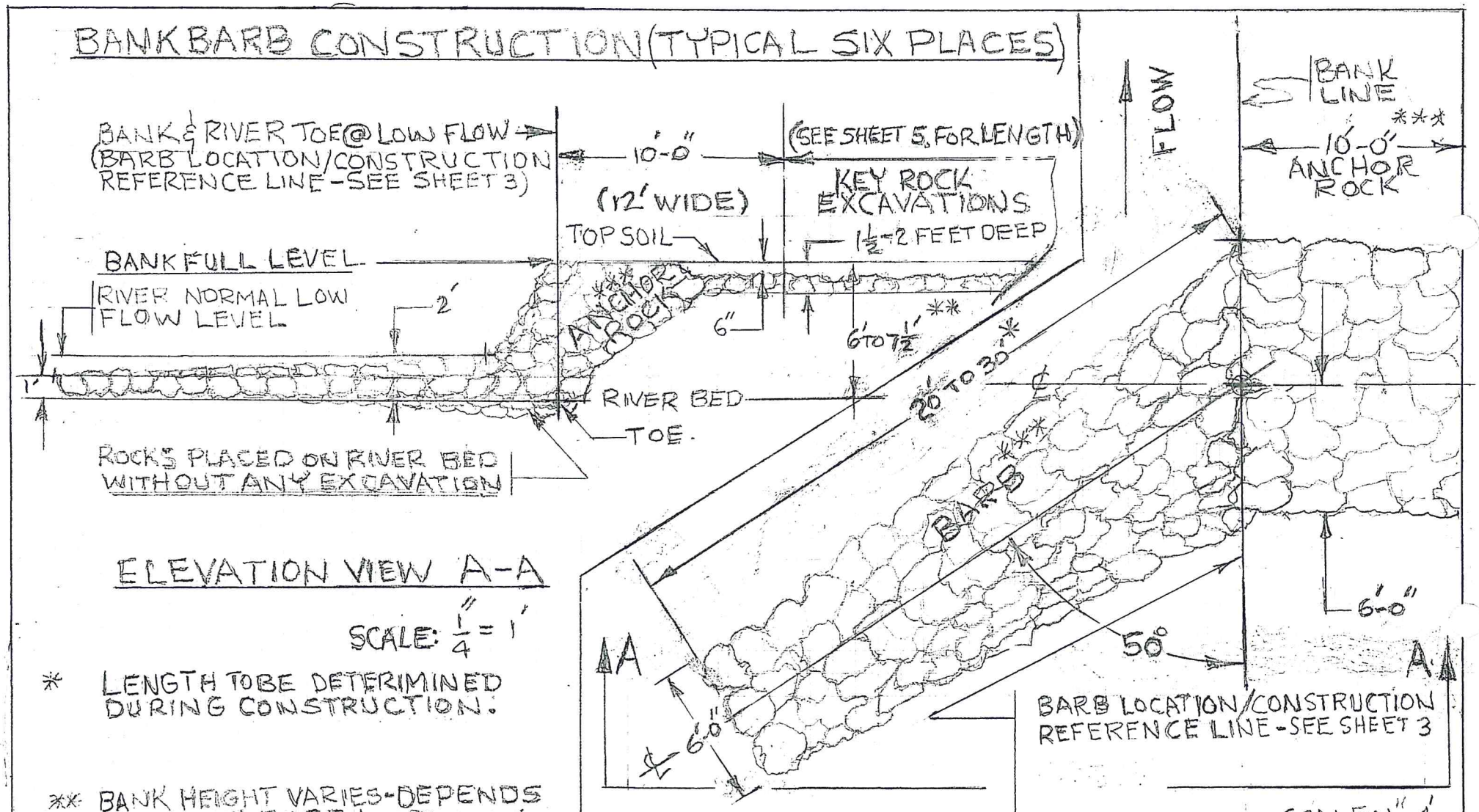
Rodney D. Strand, P.E. & L.S.
416 West First Street
Cle Elum, Wa. 98922
Phone - 674-2337

SHEET 1 OF 6.


SR-970
N
SCALE: 1" = 5'
SURVEY STAKE #1
℄ LOT
EAST BOUNDARY LINE (REF)
SURVEY STAKE #2
WEST BOUNDARY LINE (REF)
A-1
6.81 ACRES
(8890)
A-2
5.02 ACRES
(8892)
A-3
4.66 ACRES
(8894)
SURVEY STAKE #3 (REF)
RIVER BANK
TEANAWAY RIVER
PROJECT LOCATION AND OVERVIEW


WEST BOUNDRY LINE (REF)
℄
LOT A-2
(8892)
N
PROPOSED LOCATIONS FOR FIVE BANK BARB INSTALLATIONS.
#5
FLOW
TEANAWAY RIVER
℄
75'
℄
LOT A-3
(8894)
EAST BOUNDRY LINE (REF)
(EXISTING) 2 PLACES
LJ = LOG JAM
DAMAGED RIVER BANK AREA
#4
RIVER BANK & TOE PRIOR TO 2014 & 2015 FLOODING EVENTS.
#3
30' (2016)
#2
PRESENT LOCATION OF ERODED RIVER BANK.
BARB CONSTRUCTION REFERENCE LINE
(2013) ≈ 50'
#1
PRESENT RIVER TOE AT LOW FLOW, MINUS BANK SOIL OVER-BURDEN.
#3 SURVEY STAKE
RIVER ROCK DEPOSIT
TEANAWAY RIVER
FLOW
SCALE: 1" = 15'
BANK PROTECTION PROJECT-
PRE-PROJECT CONDITIONS-PLAN VIEW.

BANK BARB CONSTRUCTION (TYPICAL SIX PLACES)



ELEVATION VIEW A-A

SCALE: $\frac{1}{4}'' = 1'$

PLAN VIEW I

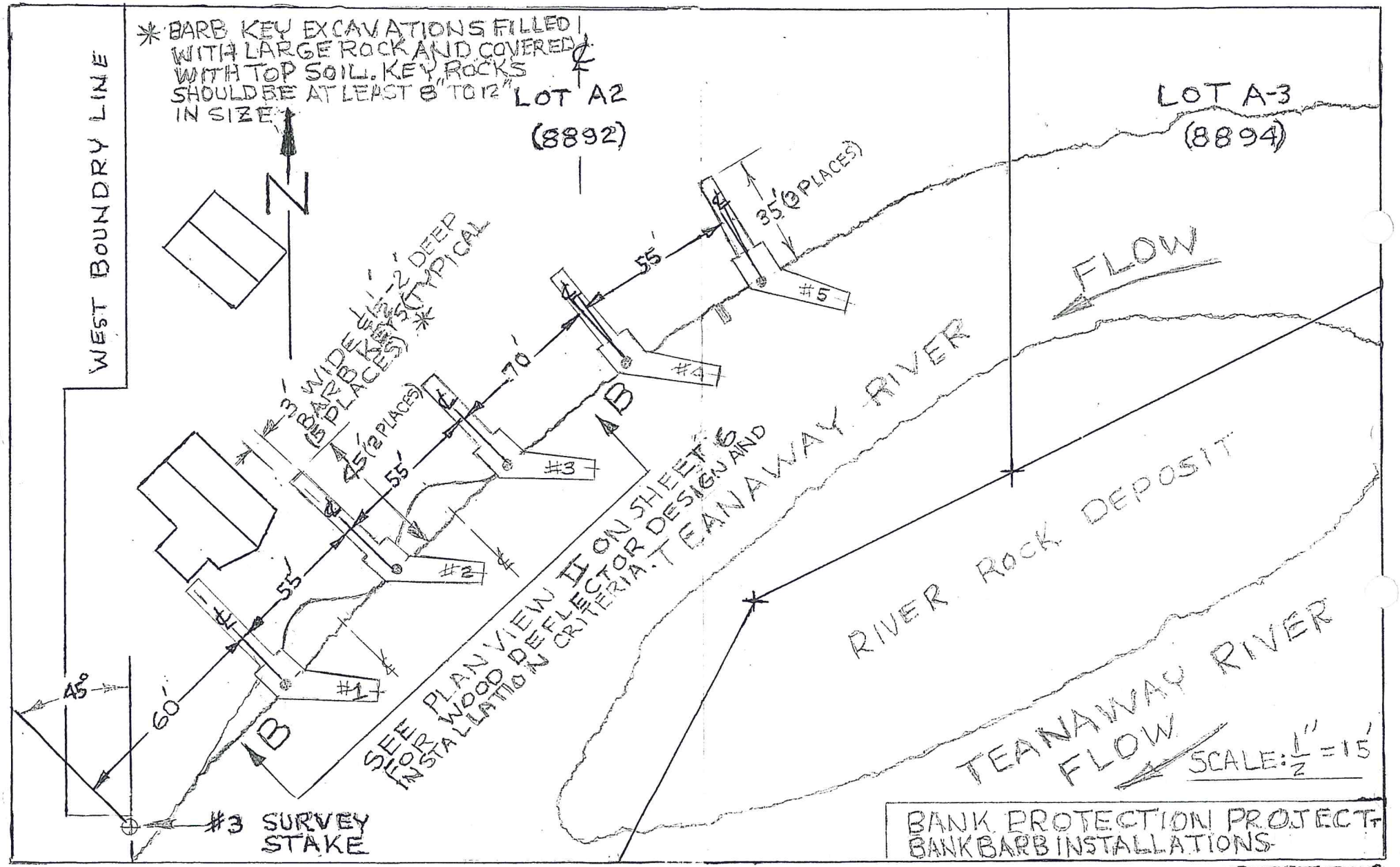
SCALE: 1" = 4'

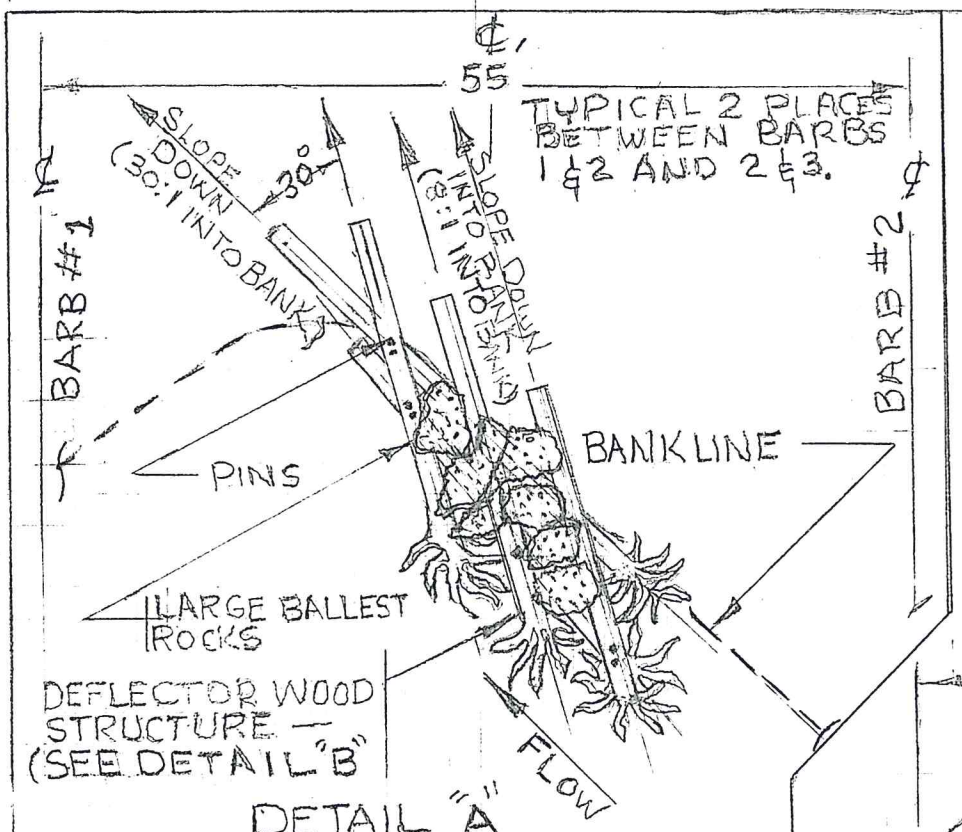
* LENGTH TO BE DETERIMINED DURING CONSTRUCTION.

** BANK HEIGHT VARIES - DEPENDS ON BANK BARB LOCATION.

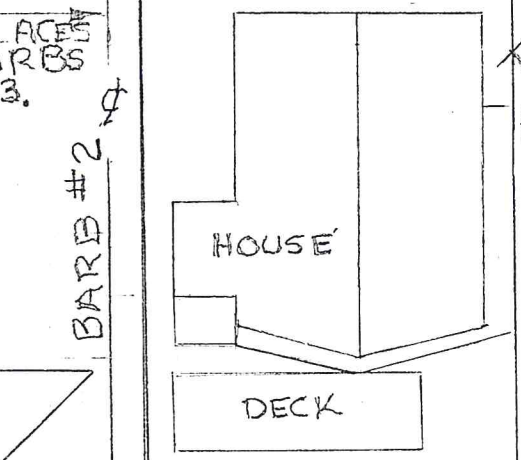
*** BARBS & ANCHORS SHOULD BE BUILT USING LARGE ROCK, 12"–20" (OR LARGER).

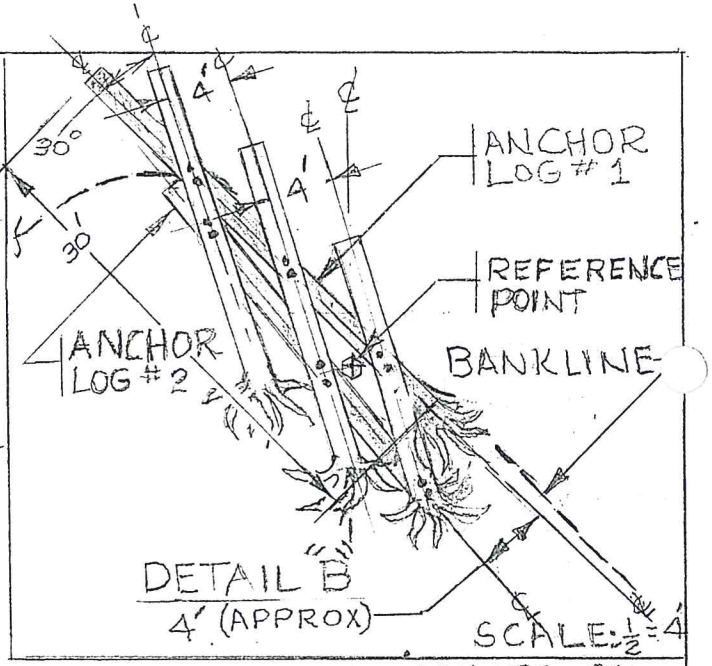
BANK PROTECTION PROJECT - BARB CONSTRUCTION DETAILS


* BARB KEY EXCAVATIONS FILLED WITH LARGE ROCK AND COVERED WITH TOP SOIL. KEY ROCKS SHOULD BE AT LEAST 8" TO 12" IN SIZE.
WEST BOUNDRY LINE
LOT A2
(8892)
LOT A-3
(8894)
N
1'-2' DEEP
1' WIDE KEYS (TYPICAL
3 BARB KEYS (5 PLACES)
45' (2 PLACES)
55'
70'
55'
55'
35' (3 PLACES)
#1
#2
#3
#4
#5
A
B
A
B
FLOW
RIVER ROCK DEPOSIT
TEANAWAY RIVER
TEANAWAY RIVER
FLOW
SEE PLAN VIEW II ON SHEET 6 FOR WOOD DEFLECTOR DESIGN AND INSTALLATION CRITERIA.
45°
60'
#3 SURVEY STAKE
SCALE: 1/2" = 15'
BANK PROTECTION PROJECT
BANK BARB INSTALLATIONS



DETAIL "A"



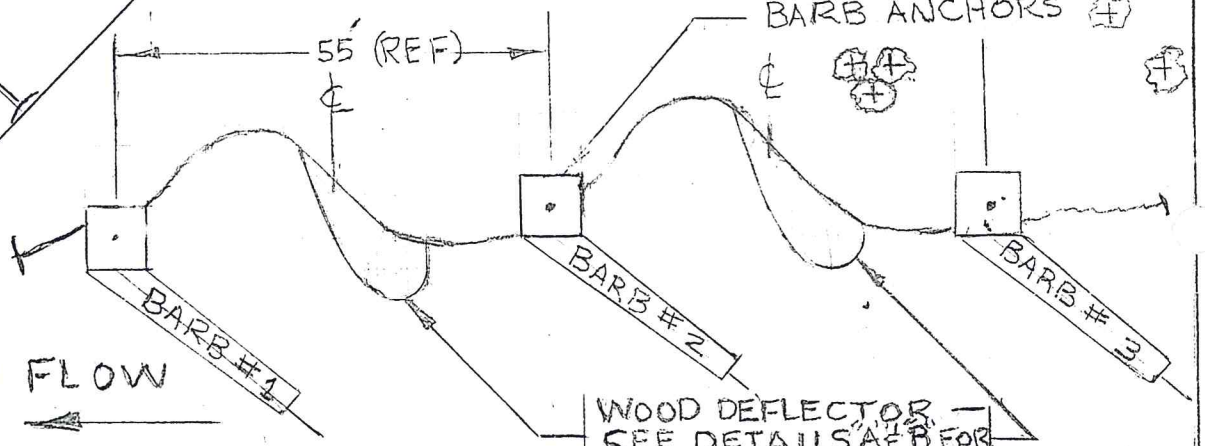


DETAIL "B"

GENERAL NOTES

SCALE: ½" = 4'

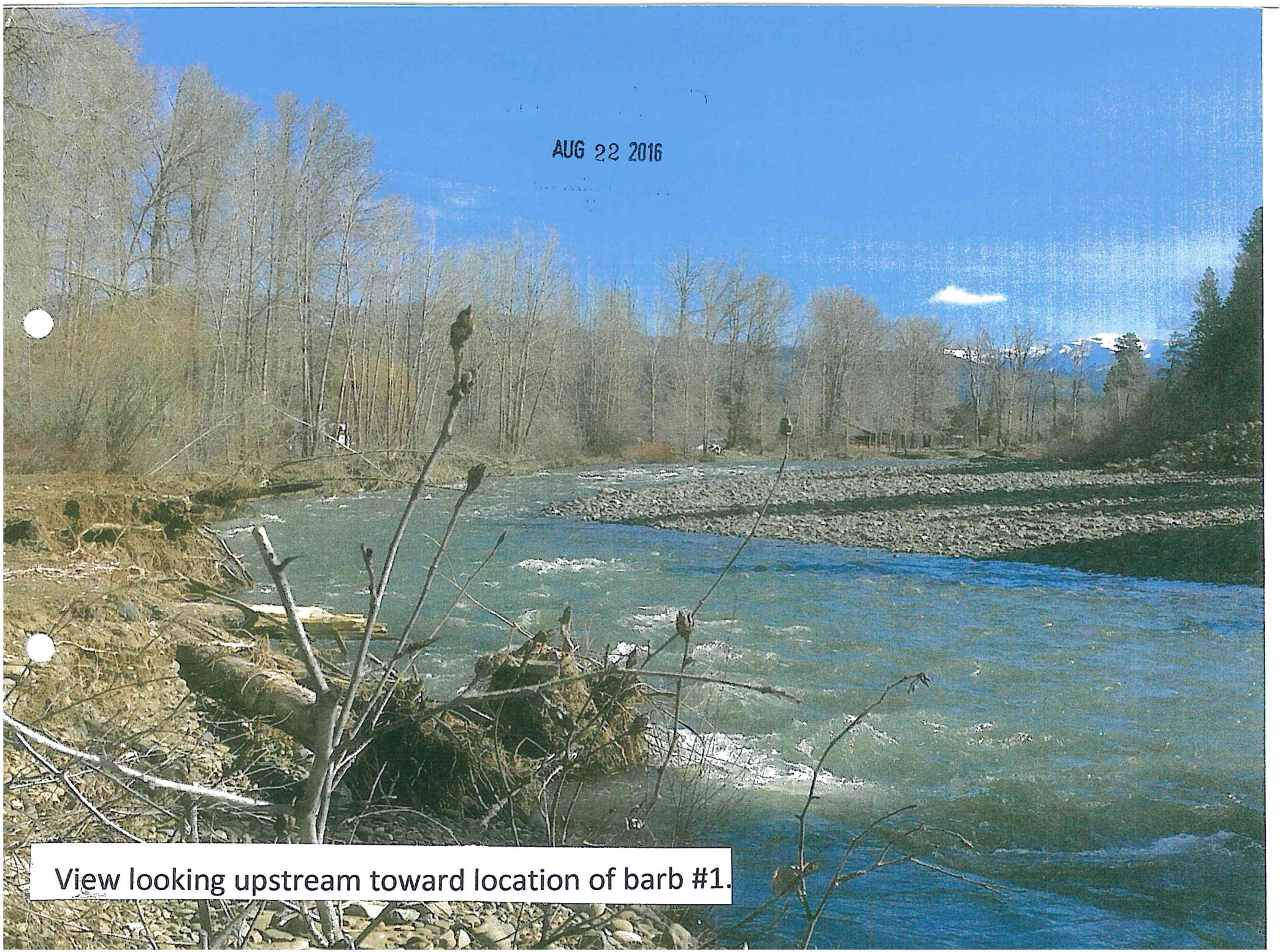
1. ANCHOR LOGS AND ROOTWAD BOLE MEMBERS SHALL BE MADE FROM 1' to 1½' DIAMETER FIR OR CEDAR TREES WITH 5' DIAMETER ROOTWADS.
2. 2-SIZE 8 REINFORCING ROD PINS SHALL BE INSTALLED AT EACH JOINT.
3. CONCEPT ONLY-DIMENSIONS WILL VARY.



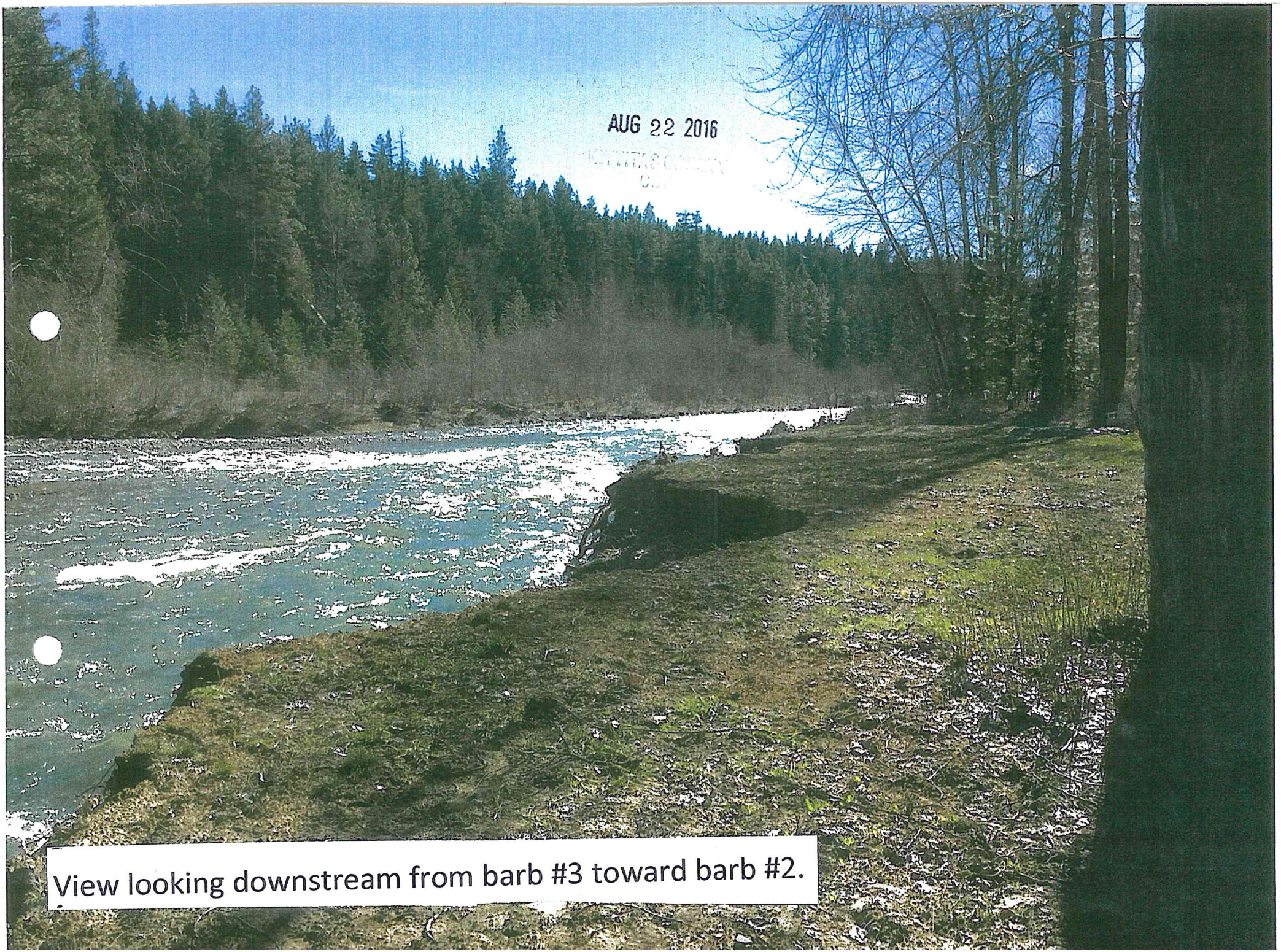
PLAN VIEW II

SCALE: ¼" = 4'

BANK PROTECTION PROJECT WOOD DEFLECTOR CONCEPT

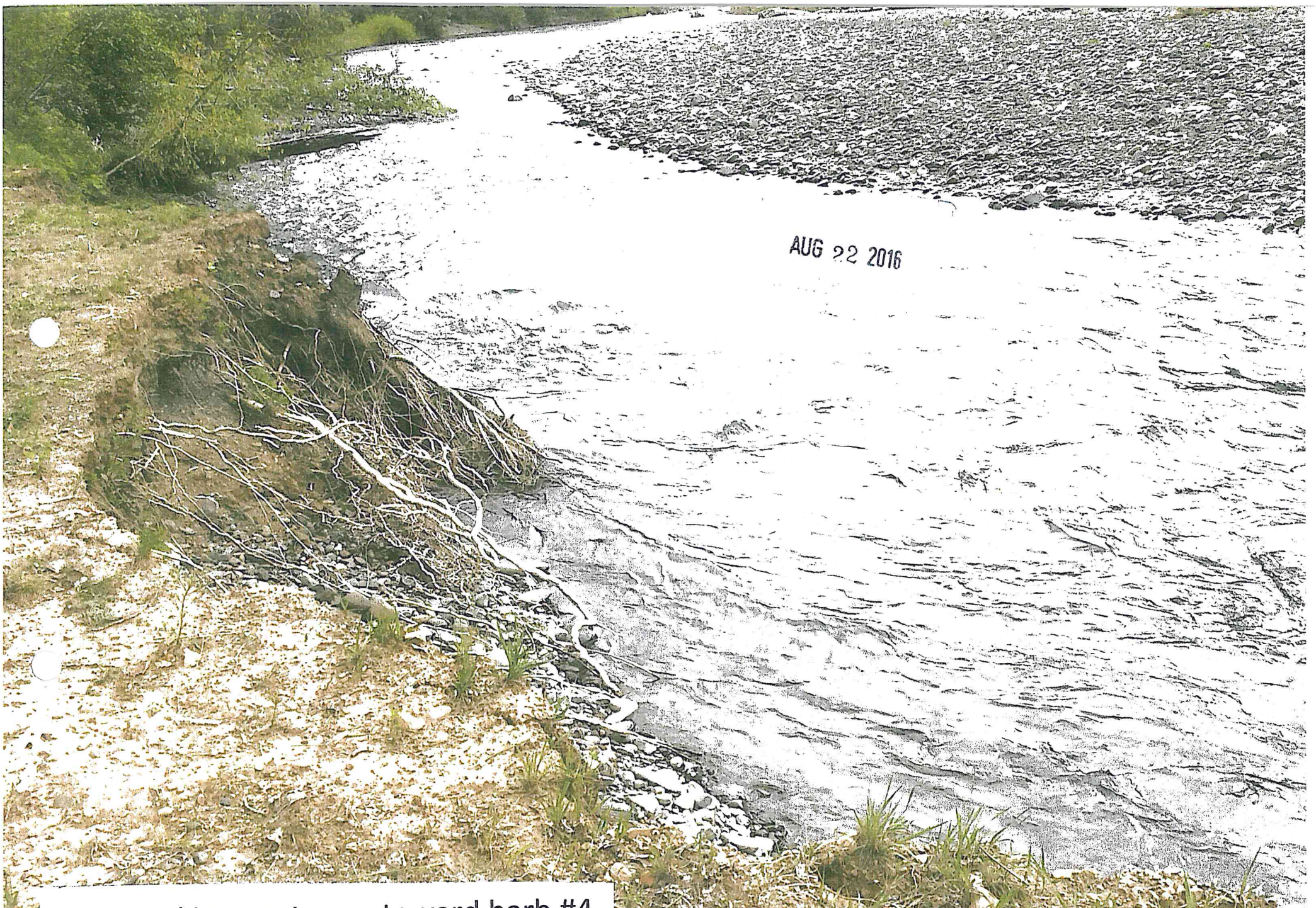


View looking upstream toward location of barb #1.

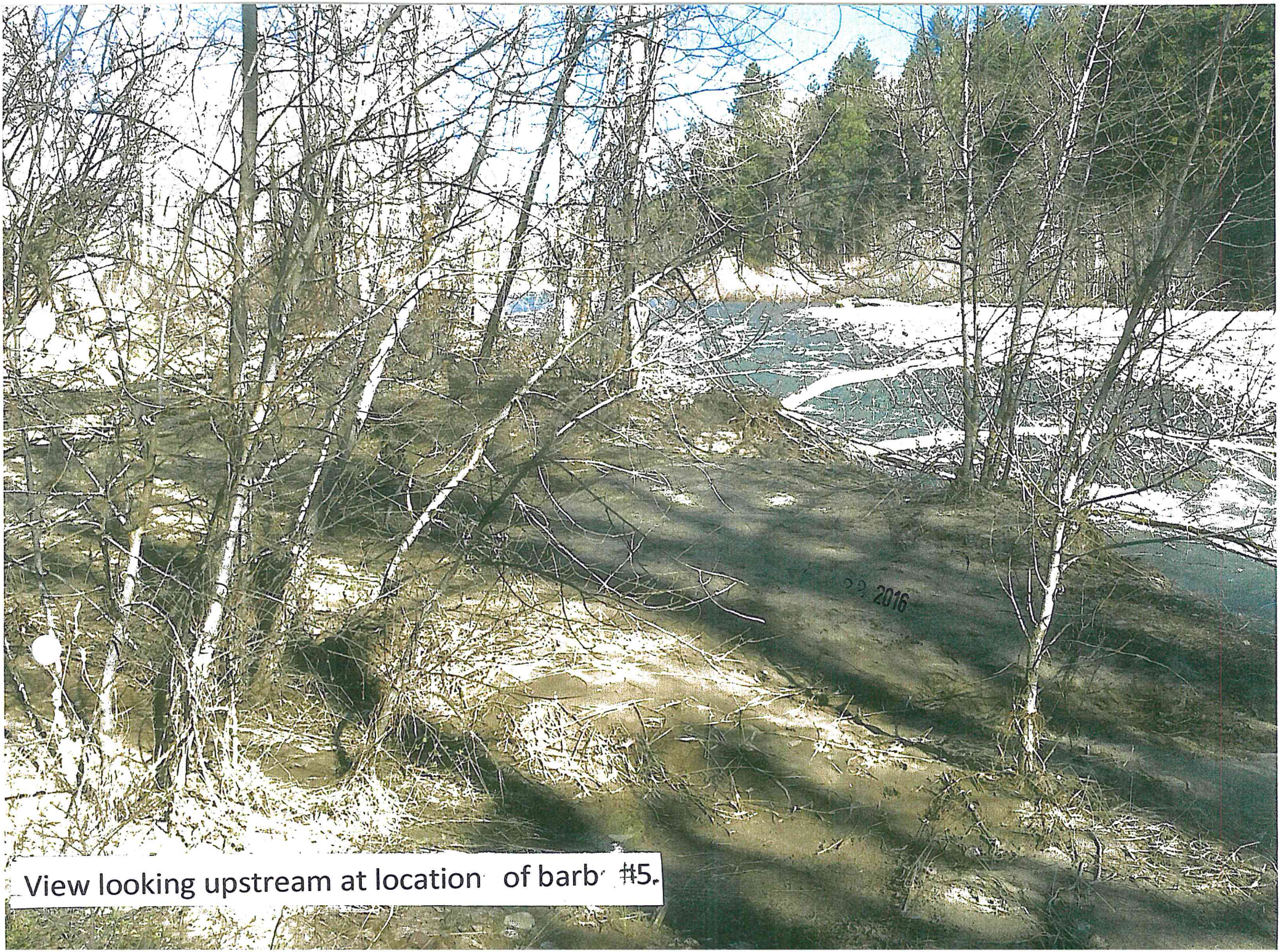


View looking downstream from barb #3 toward barb #2.

View looking upstream from barb #2 toward barb #3.



View looking upstream toward barb #4.



View looking upstream at location of barb #5.

KITTITAS COUNTY PERMIT CENTER
411 N. RUBY STREET, ELLENSBURG, WA 98926

RECEIPT NO.: 00031180

COMMUNITY DEVELOPMENT SERVICES
(509) 962-7506

PUBLIC HEALTH DEPARTMENT
(509) 962-7698

DEPARTMENT OF PUBLIC WORKS
(509) 962-7523

Account name: 024386 **Date:** 8/22/2016

Applicant: BAXTER, JAMES W ETUX

Type: check # 9320

Permit Number	Fee Description	Amount
SX-16-00019	SHORELINE EXEMPTION	830.00
	Total:	830.00