



2009

WASHINGTON STATE

Joint Aquatic Resources Permit Application (JARPA) Form [help]



US Army Corps of Engineers Seattle District

AGENCY USE ONLY

Date received:

Agency reference #

Tax Parcel #(s):

RECEIVED

NOV 13 2009

HABITAT PROGRAM

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

Part 1-Project Identification

Unique project information that makes it easy to identify. [help]

1a. Unique Project Identifier Number (UPI #) [help]

- Don't have one yet? Get one at http://www.epermitting.wa.gov or call the Washington Governor's Office of Regulatory Assistance at (800) 917-0043.

1b. Project Name (Examples: Smith's Dock or Seabrook Lane Development) [help]

Decommission Greer Ditch.

Part 2-Applicant

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

2a. Name (Last, First, Middle) and Organization (if applicable)

Cittitas County Conservation District manager

2b. Mailing Address (Street or PO Box)

2c. City, State, Zip

Ellensburg, WA 98926

2d. Phone (1)

2e. Phone (2)

2f. Fax

2g. E-mail

< 4

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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) and Organization (if applicable)

3b. Mailing Address (Street or PO Box)

3c. City, State, Zip

3d. Phone (1)

3e. Phone (2)

3f. Fax

3g. E-mail

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Part 4—Property Owner(s) [\[help\]](#)

Contact information for people or organizations owning the property(ies) where the project will occur. [\[help\]](#)

- 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 property owners. Complete the section below and use JARPA Attachment A for each additional property owner.

4a. Name (Last, First, Middle) and Organization (if applicable)			
4b. Mailing Address (Street or PO Box)			
4c. City, State, Zip			
Ellensburg, WA 98926			
4d. Phone (1)	4e. Phone (2)	4f. Fax	4g. E-mail
	()	()	

Part 5—Project Location(s)

Identifying information about the property or properties where the project will occur. [\[help\]](#)

- There are multiple properties or project locations (e.g., linear projects). Complete the section below and use JARPA Attachment B for each additional property.

5a. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5n.) [help]			
540 Riverbottom Road			
5b. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]			
Ellensburg, WA 98926			
5c. County [help]			
Kittitas			
5d. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
NE	15	17	18
5e. Provide the latitude and longitude of the project location. [help]			
• Example: 47.03922 N lat. / -122.89142 W long			
46.96969; -120.56134			
5f. List the tax parcel number(s) for the project location. [help]			
• The local county assessor's office can provide this information.			
268733			
5g. Indicate the type of ownership of the property. (Check all that apply.) [help]			
<input type="checkbox"/> State Owned Aquatic Land <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Private			
<input type="checkbox"/> Other publicly owned (federal, state, county, city, special districts like schools, ports, etc.)			

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

Name	Mailing Address	Tax Parcel # (if known)

5i. Is any part of the project area within a 100-year flood plain? [\[help\]](#)

Yes No Don't know

5j. Briefly describe the vegetation and habitat conditions on the property. [\[help\]](#)

The existing vegetation within the project area primarily consists of nonnative reed canary grass. There are some landscaped trees located downstream, near the farm access road. Fogarty Ditch passes under the county road (Riverbottom Road) in an undersized culvert, then receives irrigation spill from a ditch along the southwest side of Riverbottom Road. The existing Greer Ditch diversion structure is located at the southeast corner where Fogarty Ditch crosses under Riverbottom Road. About 30 feet downstream from Riverbottom Road, another undersized culvert provides the landowner access to his pasture.

Fogarty Ditch was historically used as an irrigation ditch and has very little instream complexity or riparian habitat. Fogarty Ditch eventually joins Sorenson Creek and they flow together to a point where the USBOR constructed a new fish screen facility to serve the largest irrigator on Fogarty Ditch. From that point, Sorenson Creek and Fogarty Ditch diverge, with Sorenson Creek flowing back into an active side channel of the Yakima River. In a project to provide additional fish habitat, the upper reach of Fogarty Ditch (including this project worksite) has been opened by screening all of the diversions and removing barriers. A small headgate was placed at the Yakima River to allow water to flow in upper Fogarty Ditch year round so that the entire system can be used as off-channel rearing habitat; which has been identified as a limiting factor for salmonids recovery in this reach of the Yakima River.

5k. Describe how the property is currently used. [\[help\]](#)

Greer ditch previously diverted water from Fogarty Ditch (which diverts water from the Yakima River) and was delivered to downstream water users. The irrigators have changed their point of diversion to a dug well and no longer need water conveyed through Greer Ditch to meet their irrigation needs. Greer ditch is unscreened and has the potential to entrain fish.

5l. Describe how the adjacent properties are currently used. [\[help\]](#)

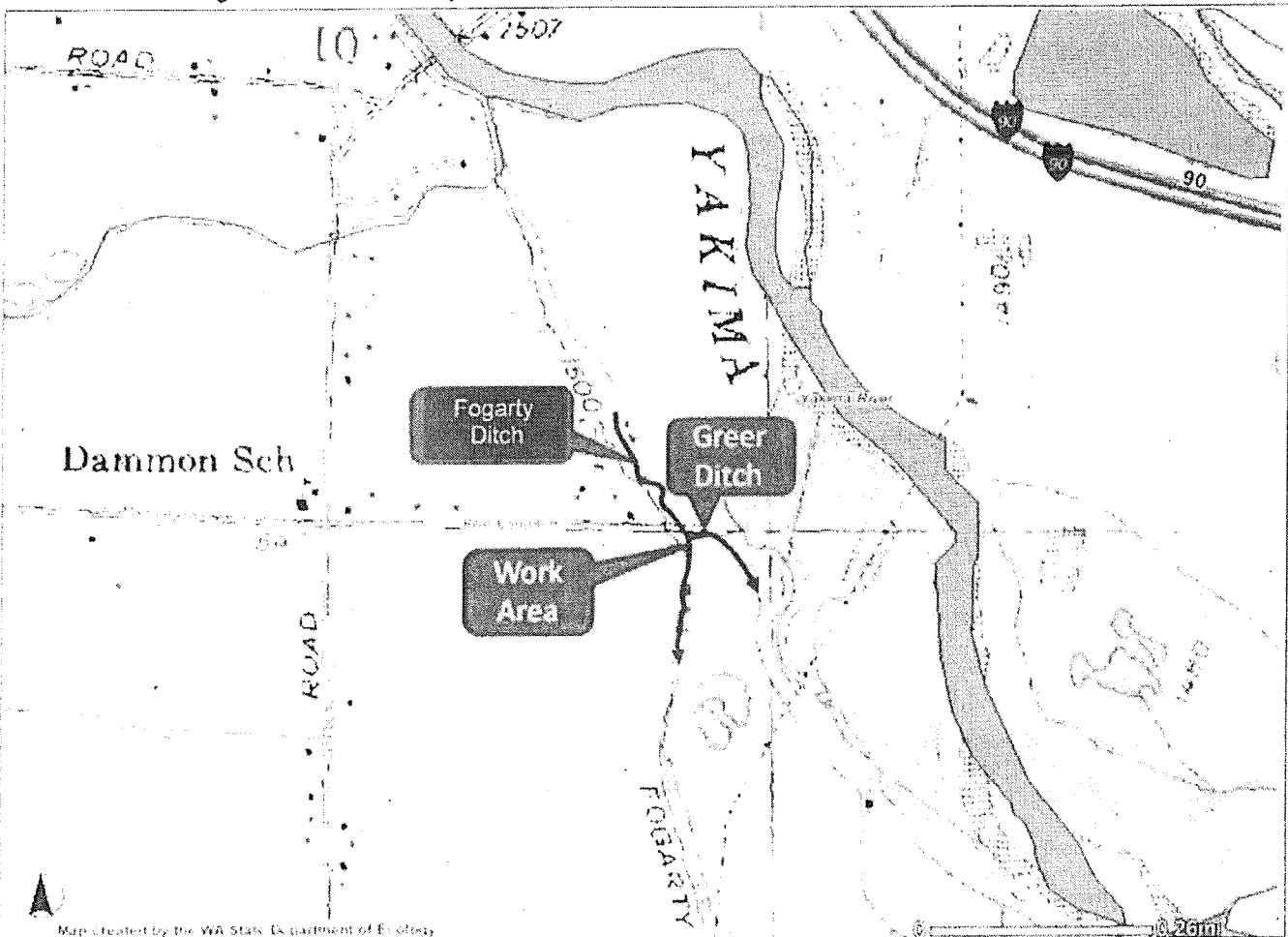
The surrounding properties consist of rural homes and agricultural lands. Most of the surrounding property is irrigated pasture, with some crops nearby.

5m. Describe the structures (above and below ground) on the property, including their purpose(s). [\[help\]](#)

Riverbottom Road is immediately north of the project area and work is likely to occur in the right of way. There is a power pole near the head of Greer Ditch along the road as well. A farm access road crosses Fogarty Ditch just south of the head of Greer Ditch. The head of Greer Ditch has a concrete structure with wooden checkboards that has previously been used to divert flow down the ditch. The adjacent pasture has a wooden fence.

5n. Provide driving directions from the closest highway to the project location, and attach a map. [\[help\]](#)

From I-90, take the Canyon Road exit heading toward Ellensburg. From the Canyon Road, turn left onto Umptanum Road, cross the Yakima River then turn right on Riverbottom Road. The project area is about 1/5 mile down Riverbottom Road, as you start to go down the hill and before you go around the corner. The project is located on the right side of the road, just as Fogarty Ditch crosses under Riverbottom Road.



Part 6—Project Description

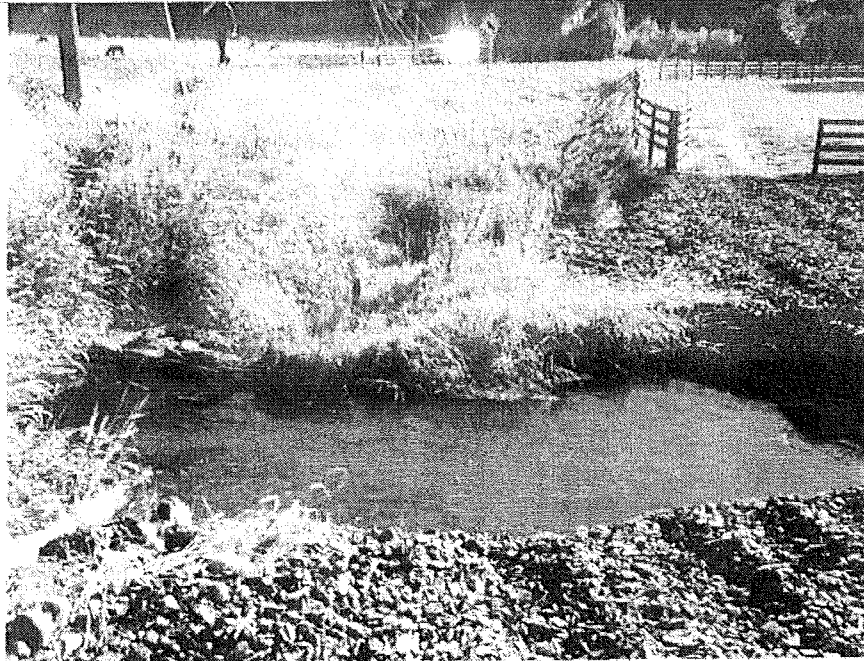
6a. Summarize the overall project. You can provide more detail in 6d. [\[help\]](#)

The proposed project will remove an unscreened and unmetered irrigation diversion from Fogarty Ditch. The project will remove approximately 4 cubic yards of concrete (1 cy within the OHWM of Fogarty Ditch) and plug the head of Greer Ditch with approximately 20 cy of nearby fill material such that it effectively blocks flow from going from Fogarty Ditch into Greer Ditch.

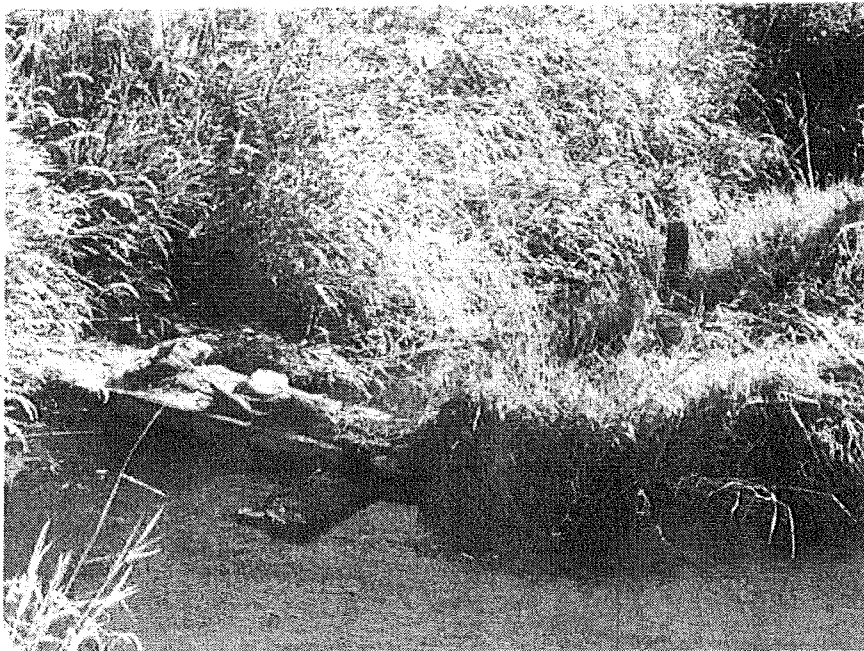
This project will complete the conversion of Fogarty Ditch to a more fish friendly water course by removing the last unscreened diversion in this side channel to the Yakima River.



This photo was taken from Riverbottom Road looking down stream at Fogarty Ditch and the farm access road. The head of Greer Ditch takes off from the center of the photo toward the left.



This photo is taken looking across Fogarty Ditch, at the head structure of Greer Ditch as it flows between the road embankment and the fenced pasture.



This photo shows a close up of the head structure with Fogarty Ditch in the foreground and Greer Ditch flowing toward the upper right in this photo.

6b. Indicate the project category. (Check all that apply.) [\[help\]](#)

- Commercial Residential Institutional Transportation Recreational
 Maintenance Environmental Enhancement

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

<input type="checkbox"/> Aquaculture	<input type="checkbox"/> Culvert	<input type="checkbox"/> Float	<input type="checkbox"/> Road
<input type="checkbox"/> Bank Stabilization	<input type="checkbox"/> Dam / Weir	<input type="checkbox"/> Geotechnical Survey	<input type="checkbox"/> Scientific Measurement Device
<input type="checkbox"/> Boat House	<input type="checkbox"/> Dike / Levee / Jetty	<input type="checkbox"/> Land Clearing	<input type="checkbox"/> Stairs
<input type="checkbox"/> Boat Launch	<input checked="" type="checkbox"/> Ditch	<input type="checkbox"/> Marina / Moorage	<input type="checkbox"/> Stormwater facility
<input type="checkbox"/> Boat Lift	<input type="checkbox"/> Dock / Pier	<input type="checkbox"/> Mining	<input type="checkbox"/> Swimming Pool
<input type="checkbox"/> Bridge	<input type="checkbox"/> Dredging	<input type="checkbox"/> Outfall Structure	<input type="checkbox"/> Utility Line
<input type="checkbox"/> Bulkhead	<input type="checkbox"/> Fence	<input type="checkbox"/> Piling	
<input type="checkbox"/> Buoy	<input type="checkbox"/> Ferry Terminal	<input type="checkbox"/> Retaining Wall (upland)	
<input type="checkbox"/> Channel Modification	<input type="checkbox"/> Fishway		

Other: Remove irrigation diversion from Sorenson Creek and plug ditch.

6d. Describe how you plan to construct each project element checked in 6c. 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 flood plain.

Most of the work will occur within the 100 year floodplain.

The headgate at the Yakima River for Fogarty Ditch will be closed to minimize flows through the creek at the time of construction. Ecology blocks with plastic sheeting or other similar coffer material will be placed in Fogarty Ditch to isolate flow from the head structure of Greer Ditch. The work area will be dewatered and fish salvage as necessary. Turbid water will be pumped onto adjacent field to filter fine material prior to reentering Fogarty Ditch. Once the work area has been dewatered, the existing vegetation will be grubbed and the concrete and wooden head works will be removed and hauled off site, outside of the 100 year floodplain in an approved disposal site. Fill material will then be placed at grade in Greer Ditch to effectively isolate flowing water from entering and flowing down Greer Ditch. Upon completion, the project area will be reseeded with an appropriate seed mix for long term erosion control and mulched for short term erosion control. Upon project completion, the headgate to Fogarty Ditch will be reopened to provide side channel habitat.

6e. What are the 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: November 1, 2009__ End date: December 31, 2009__ See JARPA Attachment D

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

Completion of this project will remove the last unscreened and unmetered irrigation diversion from the Fogarty Ditch/Sorenson Creek complex. Implementation of this project will complete the conversion of the previous irrigation canal to a fish friendly side channel, providing productive rearing habitat for salmonids and other resident fishes. The water users that were using Greer Ditch have recently converted to more efficient delivery systems and no longer need this earthen ditch to deliver their irrigation water.

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

\$10,000

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.)

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

Not applicable

Greer Ditch is an artificial waterway constructed to convey irrigation water and is in part formed due to roadway fill associated with Riverbottom Road. Impacts will be addressed in Part 8.

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.

Yes No Not applicable

7g. Use the table below to list the type and rating of each wetland that will be impacted; the extent and duration of the impact; and the type and amount of compensatory mitigation proposed. If you are submitting a compensatory mitigation plan with a similar table, you may simply state (below) where we can find this information in the mitigation plan. [\[help\]](#)

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

¹ Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package

2.

applicable.

³ 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: _____

7h. For all filling activities identified in 7g., 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. [\[help\]](#)

7i. For all excavating activities identified in 7g., describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [\[help\]](#)

7j. Summarize what the compensatory mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [\[help\]](#)

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

The conversion of Fogarty Ditch to a functional and fish friendly side channel of the Yakima River has been designed to enhance fish and wildlife habitat while providing more efficient irrigation water delivery to the water users. The proposed project is the last step to ensure fish are no longer entrained into irrigation systems. All of the water users who previously used Greer Ditch to convey their irrigation water have converted to more efficient delivery systems and have no need to divert water from Fogarty Ditch at this location.

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

Yes No

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

Activity causing impact (clear, dredge, fill, pile drive, etc.)	Waterbody name	Impact location ¹	Duration of impact ²	Amount of material to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
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Fill for Coffey Dam	Fogarty Ditch	Head of Greer Ditch	Temporary	<5 cubic yards of fill	30 square feet
Concrete removal	Fogarty Ditch	Head of Greer Ditch	Permanent	< 4 cy total, <1 cy from within OHWM	8 square feet
Plug for Ditch	Greer Ditch	Head of Greer Ditch/Bank of Sorenson Cr	Permanent	20 cy total, <1 cy within OHWM	10 square feet

¹ 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.

² Indicate the time (in months or years, as appropriate) the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

8d. 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.

Yes No Not applicable

8e. Summarize what the compensatory mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan. [\[help\]](#)

- If you already completed 7j, you do not need to restate your answer here. [\[help\]](#)

N/A

8f. For all activities identified in 8c., 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. [\[help\]](#)

Concrete ecology blocks with plastic sheeting are likely to be used for the coffer material to isolate the head of Greer Ditch from flowing water. The plug in Greer Ditch will come from a nearby source and will consist of a well graded mix of material such that flowing water no longer is diverted down Greer Ditch.

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

A tracked excavator with a thumb or similar piece of equipment will be used to perform this work. Concrete removed from the head structure at Greer Ditch will be disposed of in an approved location outside of the 100 year floodplain.

Part 9—Additional Information

Any additional information you can provide helps the reviewer(s) understand your project.

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
US Corps of Engineers			November 4, 2009

		()	
		()	

9b. Are any of the wetlands or waterbodies identified in Part 7 or Part 8 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

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.

17030001 - Upper Yakima River

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 #.

39 - Upper Yakima

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/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx for the Forest Practices Water Typing System.

S F Np Ns

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: Stormwater Management Manual for Eastern Washington

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

The surrounding properties have been used for rural home sites and agricultural production and/or pasture.

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

- If yes, attach it to your JARPA package.

Yes No

9k. 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. [\[help\]](#)

Middle Columbia River Steelhead
Columbia River Bull Trout

9l. 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. [\[help\]](#)

Riparian, instream, lamprey, bull trout, Chinook salmon, coho salmon, rainbow trout/steelhead, westslope cutthroat trout, Columbia spotted frog, great blue heron, waterfowl concentrations, bald eagle, prairie falcon, deer, elk

Part 10—Identify the Permits You Are Applying For

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

- Online Project Questionnaire at <http://apps.ecy.wa.gov/opas/>.
- Governor's Office of Regulatory Assistance at (800) 917-0043 or help@ora.wa.gov.

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.)

- Submit the Fish Habitat Enhancement Project form with this application. The form can be found at <http://www.epermitting.wa.gov/Portals/JarpaResourceCenter/images/default/fishenhancement.doc>

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

Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?

Other: WAC 197-11-835 (3) ~ less than 50 cy of material excavated

SEPA is pre-empted by federal law. [help]

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): WAC 173-27-040(p) enhance fish habitat thru decommissioning of unscreened diversion and WAC 173-27-040(i) operation/maintenance/construction of irrigation systems

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

Washington Department of Ecology:

Section 401 Water Quality Certification

Washington Department of Natural Resources:

Aquatic Resources Use Authorization

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:

General Bridge Act Permit Private Aids to Navigation (for non-bridge projects)

Part 11--Authorizing Signatures

Signatures required before submitting the JARPA package.

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. _____ (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 _____ (initial)

Applicant

(Lael)

Nov. 12, 2009

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.

Authorized Agent

Date

11c. Property Owner Signature (if not applicant) [\[help\]](#)

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

Property Owner

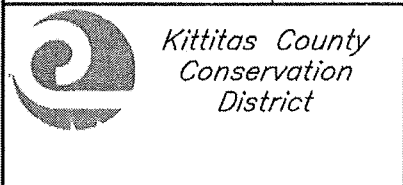
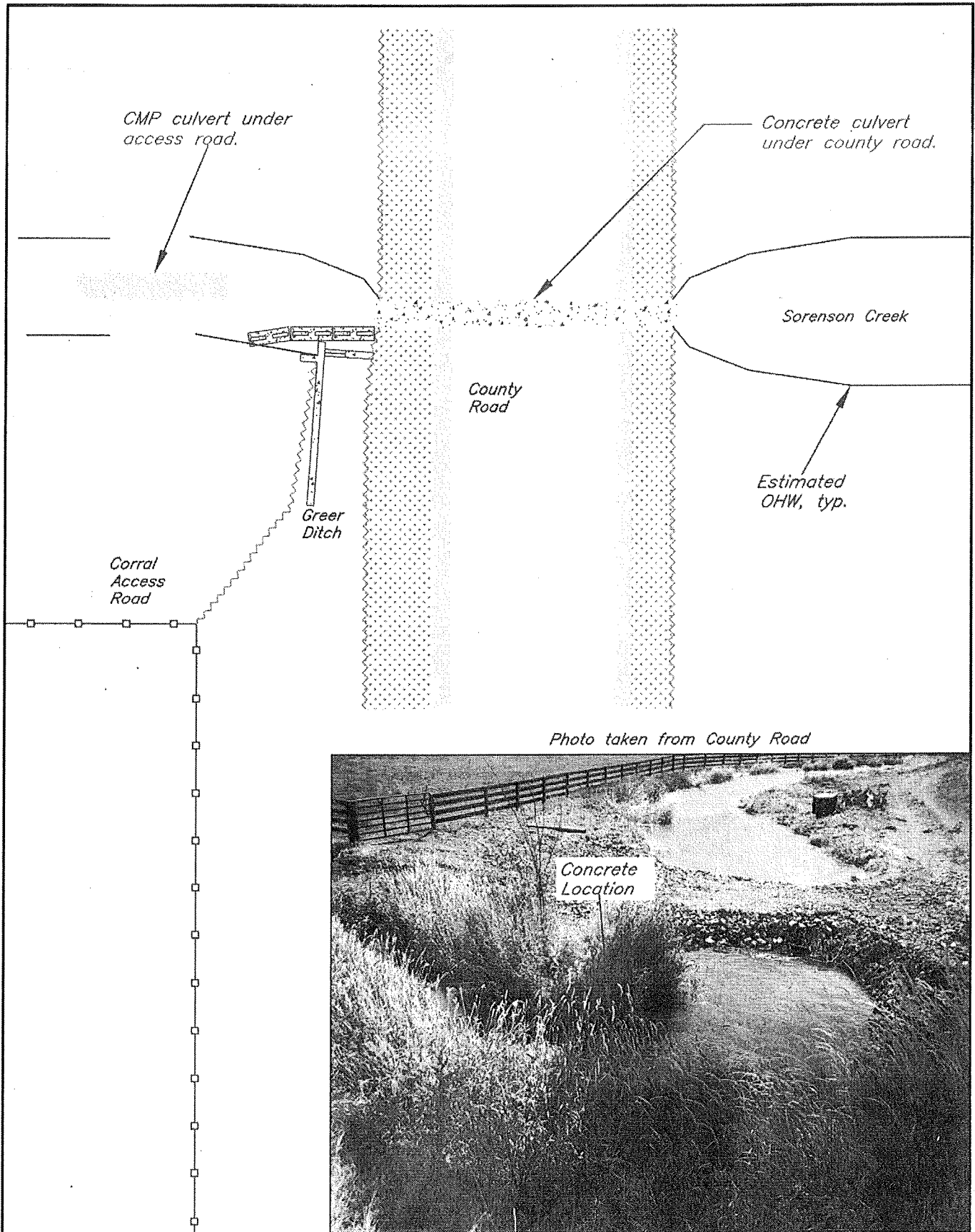
(Anderson)

11-12-09

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.

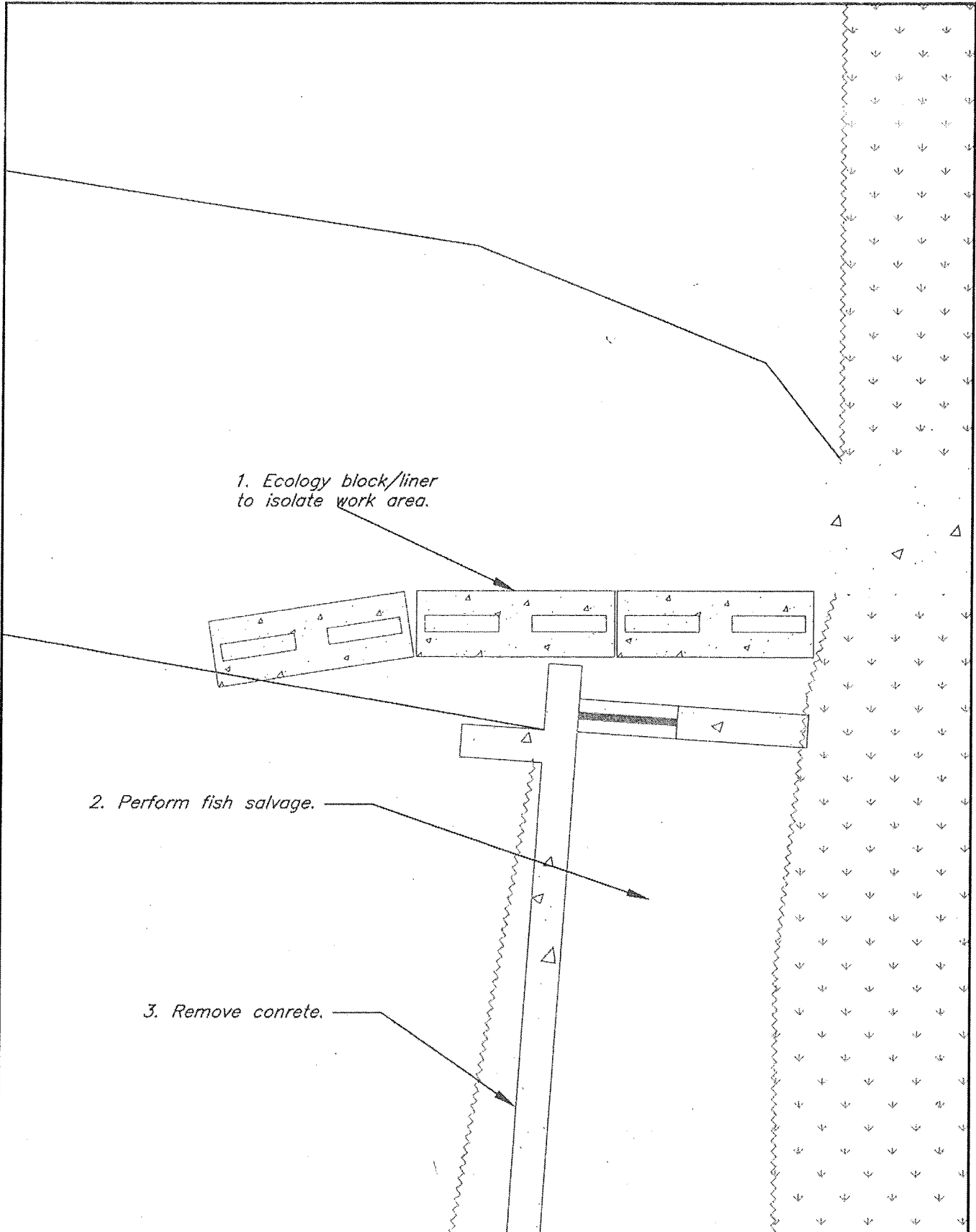
If you require this document in another format, contact The Governor's Office of Regulatory Assistance (ORA). People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341.



GREER DITCH
SITE LAYOUT

Designed: RTR	Date: 10/09
Drawn: RTR	10/09
Checked: _____	
Approved: _____	

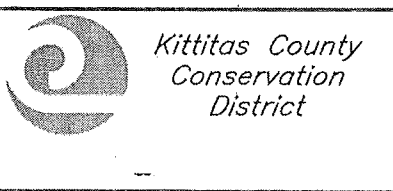
File Name
Drawing Name
Sheet 1 of 3



1. Ecology block/liner to isolate work area.

2. Perform fish salvage.

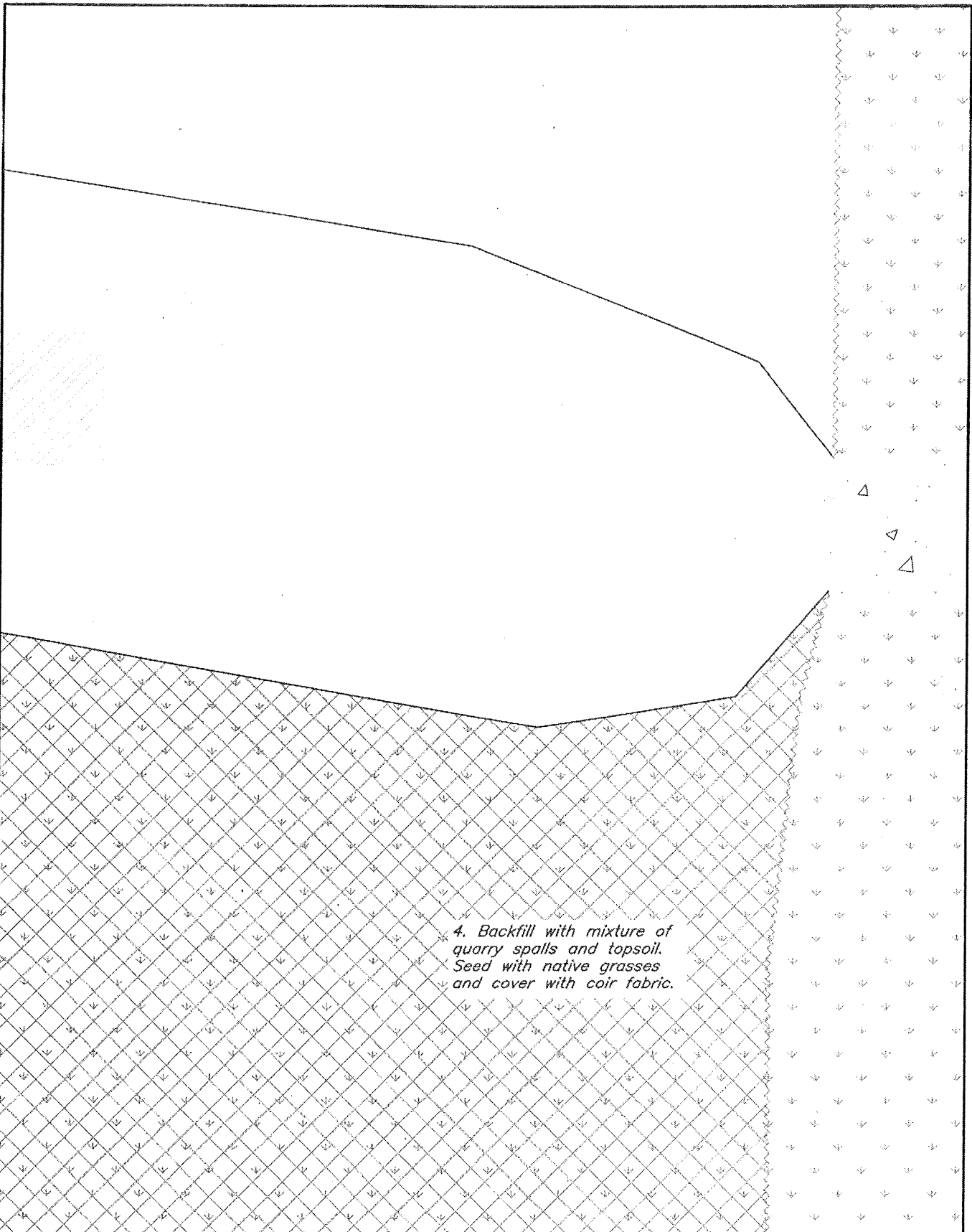
3. Remove concrete.



GREER DITCH
OHW Work

Designed RTR	Date 10/09
Drawn RTR	10/09
Checked _____	
Approved _____	

File Name
Drawing Name
Sheet 2 of 3



4. Backfill with mixture of quarry spalls and topsoil. Seed with native grasses and cover with coir fabric.



Kittitas County
Conservation
District

GREER DITCH
Final Grading

Designed RTR _____ Date 10/09
 Drawn RTR _____ 10/09
 Checked _____
 Approved _____

File Name _____
 Drawing Name _____
 Sheet 3 of 3

