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FEB 12 2016

KITTITAS COUNTY
CDS

February 11, 2016

Kittitas County Community Development Services Department
Lindsey Ozbolt
411 North Ruby Street
Ellensburg, WA 98926

RE: Palomino Fields Riparian Management Plan & Wetland Restoration

Dear Ms. Ozbolt

I would like to thank you and Doc Hansen for taking the time to discuss the Palomino Fields project, specifically the bridge location with relationship to the Category IV wetland as identified in the critical areas report for the project.

I have developed a riparian management plan that includes the wetland restoration component due to the bridge abutment locale. With this letter I have included a riparian plan that began back in 2007/08. Early on in this process we started working with other agencies making improvements to Currier Creek for fish etc. (siphoning project and fish barrier removal). Since then we have continuously allowed agencies to access our land to conduct fish plantings almost every year to Currier Creek. With the aforementioned in mind please accept these documents as the Currier Creek Riparian management plan for Palomino Fields and the wetland restoration aspect for the Palomino Fields Project.

With the 2016 irrigation season coming at us it is time sensitive for us to install the bridge prior to the irrigation canal turning on. With that said and regarding the bridge installment (single bridge abutment encroachment into the Category IV wetland), we respectfully request a specific review for this item as we have tentatively schedule the bridge installment for the first part of March.

If you have any questions please don't hesitate to contact me.

Best Regards,

Chad Bala, Authorized Agent

cc: Pat Deneen

509.607.0617
www.terradesigngroup.net

P.O. Box 686
Cle Elum, WA 98922

LAND USE CONSULTANTS

Palomino Fields Riparian Plan Exhibit List

Exhibit A: Palomino Currier Creek Plan.

Exhibit B: Barrier Removal Information.

Exhibit B.1: Maps.

Exhibit B.2: Dept. of Army permit

Exhibit B.3: HPA permit.

Exhibit C: Riparian Restoration/Replacement

Exhibit C.1: Bridge Abutment & Disturbed Area.

Exhibit C.2: Replacement Area.

Exhibit C.3: Restoration/Re-vegetation guidelines.

Exhibit D: 200 foot setback.

PALOMINO/CURRIER CREEK
RIPARIAN MANAGEMENT PLAN

Location(s): Township 18N, Range 18 E Sections 27

WRIA: 39, Upper Yakima River

Drainage: Currier Creek, tributary to the Yakima River

PLAN DESCRIPTION:

Currier Creek and Ellensburg Water Company's Town Canal are appurtenant to a large acreage parcel near Ellensburg (Palomino Fields) that will systematically be converted from predominantly agricultural use to mixed-use rural residential and riparian reserve.

The landowner is now in the beginning stages of the Palomino Fields Development and with this riparian plan envisions re-occupation of Currier Creek by Salmon and Steelhead at the project site. This plan addresses the early phases and completions of a multi-component project that will continue to improve Currier Creek. It is also possible that the landowner may obtain additional funding for these continued improvements to Currier Creek.

Four (4) fish passage barriers will be removed from Currier Creek. Currently the Currier Creek fish barriers have already been removed on Currier Creek within this development project. This portion of the plan occurred in 2007/2008.

Irrigation water will be conveyed by piping from the Ellensburg Water Company (EWC) canal, resulting in enhanced instream flows for restored riparian areas. The exact alignment of the piping system will be addressed during the landowner's site planning for irrigation needs and development.

Riparian habitat restoration along Currier Creek will be integrated as part of the transition from irrigated agriculture to mixed use rural residential. A 100-foot protected Currier Creek riparian corridor will be re-vegetated with native plantings and irrigated during grow-in period. The landowner's water rights from EWC Canal will be used for grow-in irrigation purposes.

The plan has been divided into four components, PARTS A, B, C, and D:

PART "A": Remove fish passage barriers in Currier Creek.

This project has been completed in 2007/2008. Four (4) outdated agricultural instream features that currently create full, or partial, fish passage barriers in Currier Creek have been removed. Removing the barriers identified on Currier Creek (see Exhibit B. "C" circles on Project Area map/permits) opened up 1.40 miles of rearing habitat for Mid-Columbia Steelhead, Spring Chinook, and Coho.

PART “B”: Riparian Restoration

This residential development project could contain riparian restoration components as the phasing continues pursuant to the development build out. Currently the first proposed bridge (over EWC canal) to be installed contains an encroachment into an Identified Category IV wetland. The square footage of this encroachment will be calculated with the appropriate replacement ratio used per the Kittitas County Critical Areas Code (KCC) 17.A.04, with the replacement area along Currier Creek identified. Riparian re-vegetation actions along Currier Creek will require an irrigation system to establish plants in the near-term.

The bridge encroaches into an identified Category IV wetland on the eastern side of EWC canal. The bridge abutment, on the south side of the road, encroaches into the Category IV wetland 800 square feet. The 800 square feet includes an additional 15-foot buffer from the boundary edge of the wetland. Pursuant to KCC 17A.04.040 up to 2 acres of Class IV wetlands may be filled, drained, or modified with no approval from the planning manager. Furthermore KCC 17A.04.050 still requires a replacement ratio for disturbed wetlands. The landowner will be disturbing 800 Sq. ft. of a Category IV wetland due to a single bridge abutment. The landowner is proposing a replacement area along Currier Creek. The replacement ratio of 2:1 will be used and is more than the county code requires for a Category IV wetland. This will result in a 1600 square feet replacement area along Currier Creek. Native riparian plants will be used. See Exhibit C. Bridge drawing and restoration location. The re-vegetation will be of like kind native riparian vegetation.

PART “C”: Establish a 200-foot buffer zone along Currier Creek. Develop an assessment of habitat improvement opportunities and non-diversionary irrigation water efficiencies.

This project component will require a 100-foot buffer from the top bank line of Currier Creek on both sides (See Exhibit D). As part of this plan the landowner will include the development of a piping strategy that will allow irrigation water (Ellensburg Water Company) to be delivered in an efficient system of pipes rather than through the creeks. This piping strategy will require a irrigation plan, using the landowners water rights, showing how irrigation water will be provided to each lot as the development continues to build out. This strategy eventually eliminates the use of flood irrigation and creating more efficient irrigation system therefore providing more water and protection to the Currier Creek.

PART “D”: Future habitat improvements and/or irrigation efficiencies.

The Landowner is willing to continue to review Currier Creek riparian areas throughout the life of the project along with entertaining other agency proposals for future habitat or irrigation improvements that would be beneficial to Currier Creek. The landowner will also allow the continuation of access through the property for the transplanting of fish into the Currier Creek tributary.

Project Features:

Proposed key actions in the multi phased plan include:

- Remove four (4) passage barriers in Currier Creek. Remove outdated instream agricultural features that currently create anadromous fish passage barriers.
- Currier Creek riparian corridor re-vegetation, including a possible grow-in irrigation system
- Protective easement over 100 foot Currier Creek riparian reserve
- Implement habitat improvements due to development progress.
- Pipe conveyance of Town Canal water to meet on-going irrigated agriculture demand
- New irrigation strategy supplying irrigation water to the proposed residential development.
- Continue Implementing a shared vision with Agencies to see Salmon and Steelhead re-occupy the Currier Creek watershed.

Project Schedule:

Develop barrier removal engineering plans.	Completed in 2007/2008.
Habitat restoration due to development improvements.	Spring 2016.
Establishment of the Currier Creek Buffer.	2016 through 2020.
Currier Creek access for transplanting fish into this tributary.	Annually with Agency timing.

SUPPORTING:

This plan expands upon a previously funded riparian project on land that this landowner owned involving the Swauk Creek system. This plan is not as detailed as the Swauk Restoration Plan, but assimilates to the Currier Creek riparian characteristics. By already completing Part A this plan has begun the implementation phase and will continue to do so as the Palomino Fields development continues.

Agricultural and open space lands at the project site are expected and starting to be converted to more intensive land uses. The landowner envisions keeping Currier Creek in tact and if needed restoring the natural habitat functions of Currier Creek as part of the conversion to rural residential development.

Water conveyance infrastructure improvements will bring efficiencies to the irrigated agriculture component of land uses at the project site. The creek will no longer be used as a conveyance channel for Ellensburg Water Company water, due to the new siphon, because the piped water will serve the entire agricultural demand.

Enhanced instream flows, coupled with strategic habitat improvement actions, will significantly improve and restore natural riparian processes in the Currier Creek watershed.

BENEFITS:

Expansion of spawning and rearing habitat for focal salmonid species in the Upper Yakima

Availability of spawning and rearing habitat is a significant limiting factor for salmon recovery in the Yakima Sub-basin. This project will provide areas of rearing habitat in Currier Creek.

Enhanced in-stream flows in the project reaches

Irrigation water conveyance improvements will create water savings available for conservation after a irrigation strategy and system established.

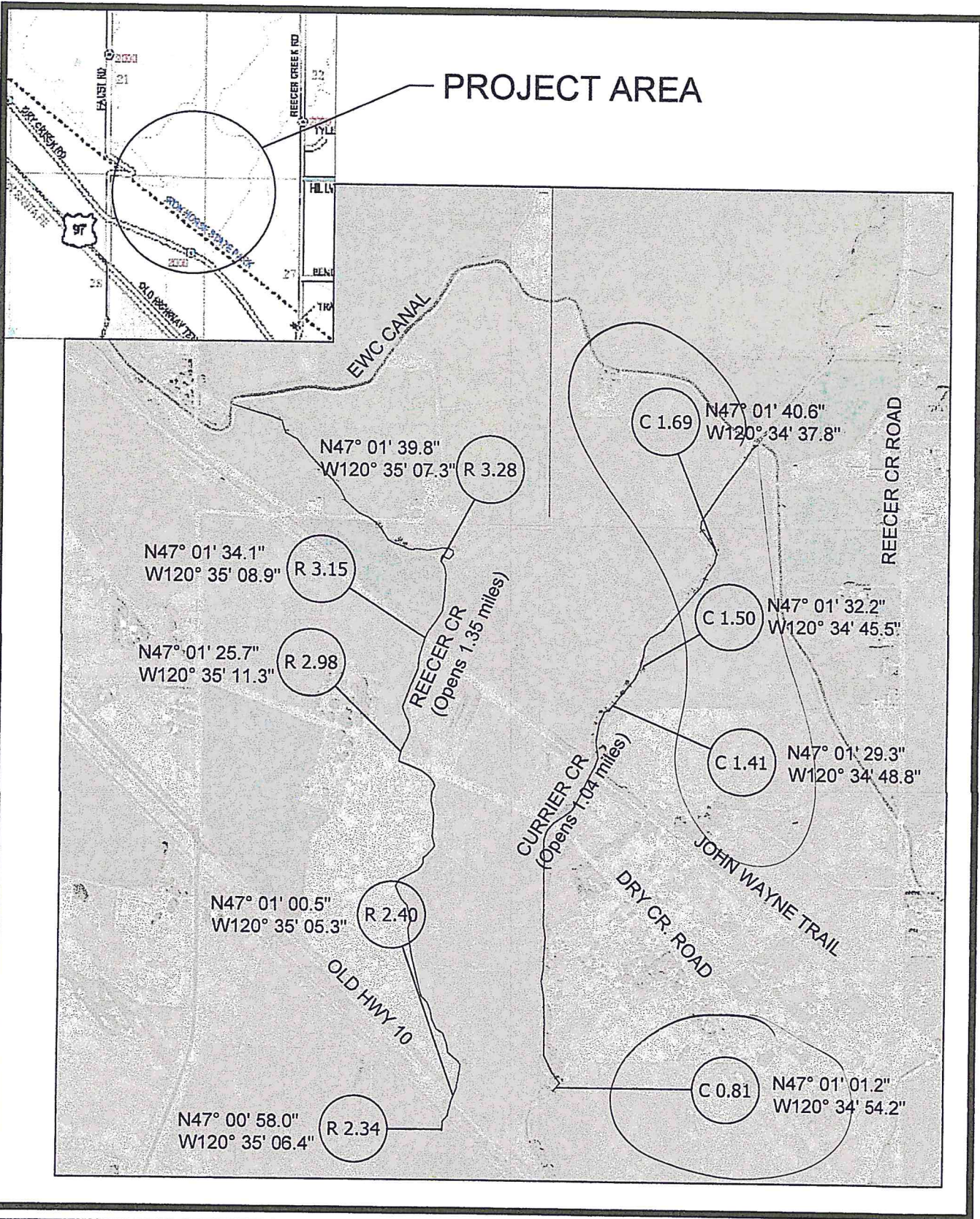
Efficiencies created from previous key actions

Downstream barrier removal projects, funded in 2004 & 2005, will create passage from Yakima River to Town Canal (4.1 miles).

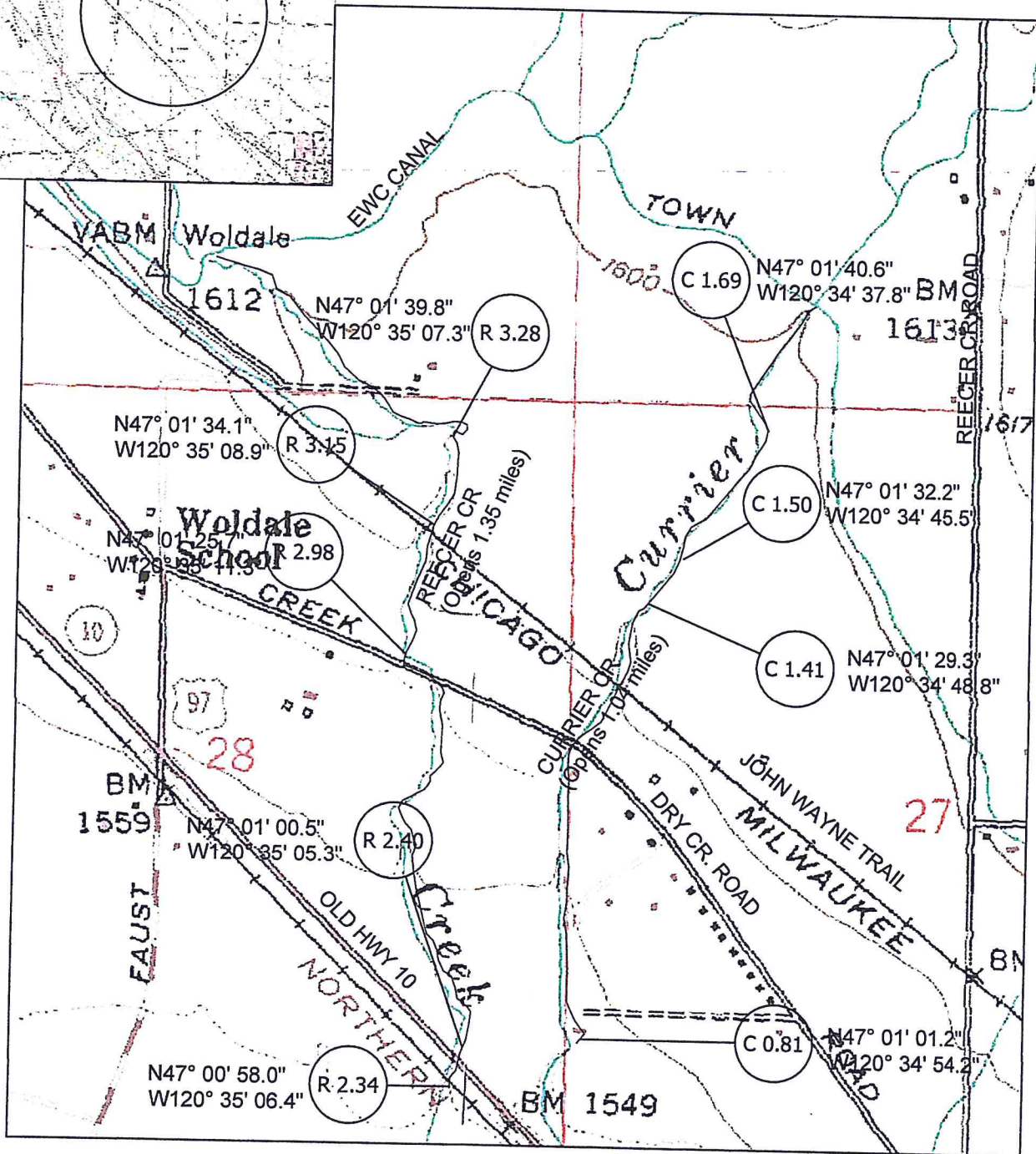
Improvements

Long-term benefits to fish include biological processes, channel conditions, floodplain conditions, and streambed sediment conditions.

- Barriers removed
- In-stream flow enhanced
- Habitat access and quality will be improved
- Landowners will achieve a more water efficient means of irrigation
- Water purveyor, Ellensburg Water Co., and landowner will have a simpler, more efficient delivery system



PROJECT AREA



REECE AND CARRIER CR BARRIER REMOVAL
LOCATION MAP

1-17-2007

PAGE

1
OF
1



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
SEATTLE DISTRICT, CORPS OF ENGINEERS
P.O. BOX 3755
SEATTLE, WASHINGTON 98124-3755

Regulatory Branch

Pat Deneen, Manager
Cle Elum Pines
P.O. Box 808
Cle Elum, Washington 98926

JAN 3 2008

Reference: NWS-2007-1986-CRC
Cle Elum Pines

Dear Mr. Deneen:

We have reviewed your application to place fill associated with removal of abandoned water diversion structures for the purpose of improving fish passage in Currier Creek at Ellensburg, Kittitas County, Washington. Based on the information you provided to us, Nationwide Permit, (NWP) 27, Aquatic Habitat Restoration, Establishment, and Enhancement Activities (Federal Register, March 12, 2007 Vol. 72, No. 47), authorizes your proposal as depicted on the enclosed drawings dated January 2, 2008. In order for this NWP authorization to be valid, you must ensure that the work is performed in accordance with the enclosed *Nationwide Permit 27, Terms and Conditions* and the following special conditions:

a. This U.S. Army Corps of Engineers (Corps) permit does not authorize you to take a threatened or endangered species, in particular the Middle Columbia River Steelhead. In order to legally take a listed species, you must have a separate authorization under the Endangered Species Act (ESA) (e.g., an ESA Section 10 permit, or ESA Section 7 consultation Biological Opinion with non-discretionary "incidental take" provisions with which you must comply). The BO prepared by the National Marine Fisheries Service (NMFS) dated August 1, 2003 for the BPA's Habitat Improvement Program contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with the specified "incidental take" in the BO (NMFS Reference Number 2003/00750). Your authorization under this Corps permit is conditional upon your compliance with all of the mandatory terms and conditions associated with incidental take of the referenced BO. These terms and conditions are incorporated by reference in this permit. Failure to comply with the commitments made in this document constitutes non-compliance with the ESA and your Corps permit. The USFWS/NMFS is the appropriate authority to determine compliance with ESA.

b. In order to protect the listed threatened and endangered species in the project area, the permittee may conduct the authorized activities only during the in-water work window as agreed to and documented in writing through consultation by the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (Services) in any year this permit is valid. If changes to the originally authorized work window are proposed, the permittee must re-coordinate these changes

with the Services and receive written concurrence on the changes. Copies of the concurrence(s) must be sent to the U.S. Army Corps of Engineers, Regulatory Branch, within 10 days of the date of the revised concurrence

We are unable to determine whether or not your project requires individual Water Quality Certification, (WQC) from the Washington State Department of Ecology (Ecology). Before you may proceed with the work authorized by this NWP, you must contact the following Ecology office regarding these requirements: Washington State Department of Ecology, Central Regional Office, 15 West Yakima Ave, Suite 200, Yakima, Washington 98902-3401, telephone (509) 575-2616.

If more than 180 days pass without Ecology responding to your individual WQC request, your requirement to obtain an individual WQC becomes waived. You may then proceed to construction.

For this project, the Bonneville Power Administration is the Federal lead agency responsible for compliance with Section 7 of the Endangered Species Act, the Magnuson-Stevens Fishery Conservation and Management Act, and Section 106 of the National Historic Preservation Act. For the purpose of this Department of the Army authorization, the Corps has determined that this project will comply with the requirements of the above laws provided you comply with special condition "a" and "b" listed above.

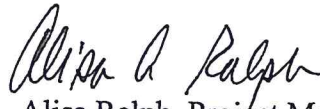
We have completed an approved jurisdictional determination for your project area which can be found on our website at <http://www.nws.usace.army.mil/> click on Regulatory, Regulatory/Permits, Recent Jurisdictional Determinations. If you object to this determination, you may request an administrative appeal under our regulations 33 CFR 331 as described in the enclosed *Appeal Process Fact Sheet* and the *Notification of Administrative Appeal Options and Process and Request for Appeal* form.

Our verification of this NWP authorization is valid for 2 years from the date of this letter unless the NWP is modified, reissued, or revoked prior to that date. If the authorized work has not been completed by that date, please contact us to discuss the status of your authorization. Failure to comply with all terms and conditions of this NWP verification invalidates this authorization and could result in a violation of Section 404 of the Clean Water Act and/or Section 10 of the 1899 Rivers and Harbors Act. Also, you must obtain all State and local permits that apply to this project.

Upon completing the authorized work, you must fill out and return the enclosed *Certificate of Compliance with Department of the Army Permit* form. Thank you for your cooperation during the permit process. We are interested in your experience with our Regulatory Program and encourage you to complete a customer service survey form. This form and information about our program is available on our website.

A copy of this letter with enclosures will be furnished to David Gerth, Kittitas Conservation Trust, P.O. Box 428, Roslyn, Washington 98941-2951 and to Jennifer Scott, Washington Department of Fish and Wildlife, 1701 South 24th Avenue, Yakima, Washington 98902-5720. If you have any questions about this letter, please contact me at (206) 764-3262 or via email at Alisa.A.Ralph@usace.army.mil.

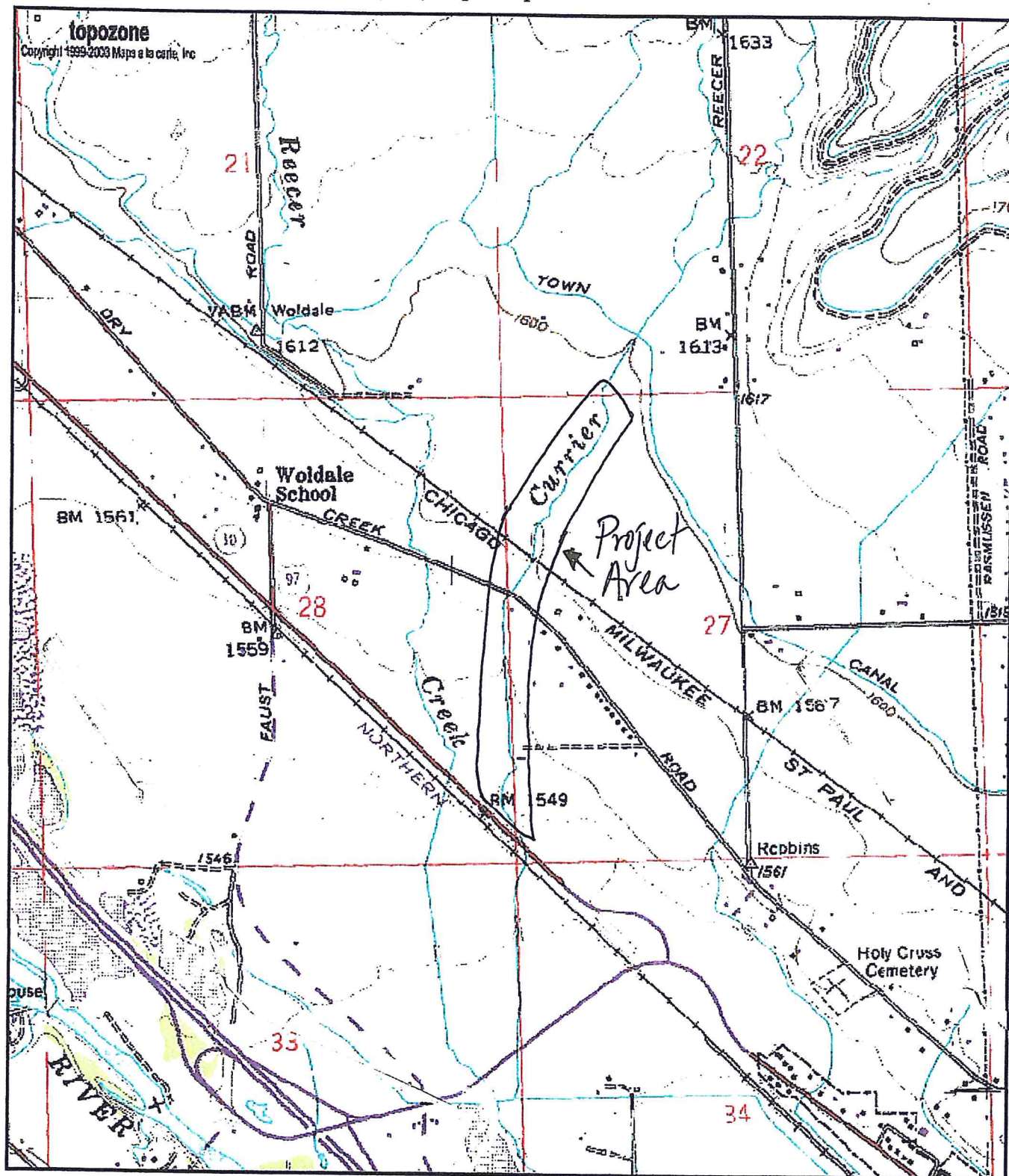
Sincerely,

A handwritten signature in black ink that reads "Alisa A. Ralph". The signature is written in a cursive, flowing style.

Alisa Ralph, Project Manager
Regulatory Branch

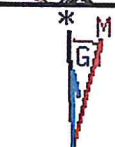
Enclosures

TopoZone - USGS Ellensburg North (WA) Topo Map



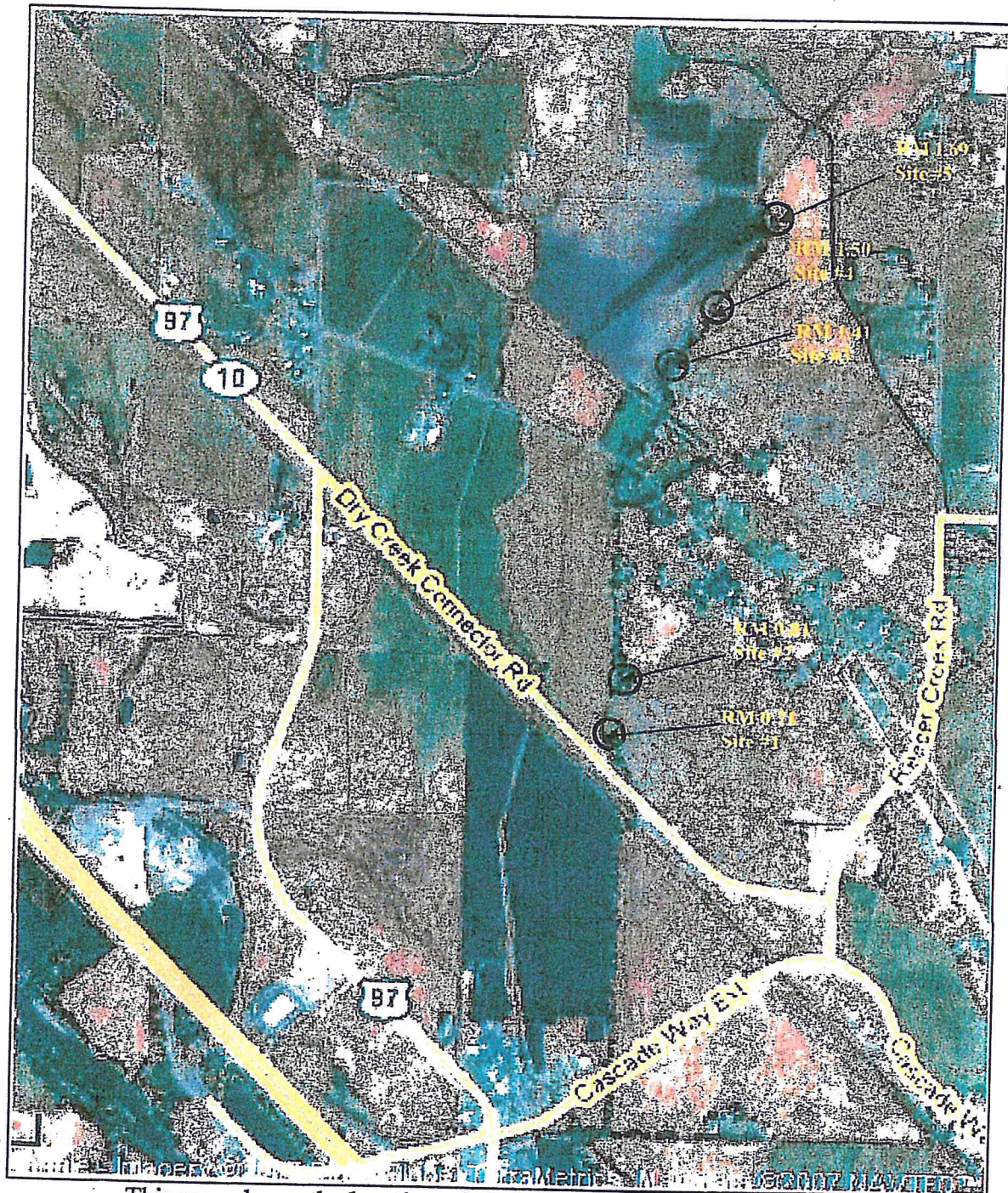
0 0.3 0.6 0.9 1.2 1.5 km
0 0.2 0.4 0.6 0.8 1 mi

47° 1.34'N, 120° 34.91'W (NAD83/WGS84)
USGS Ellensburg North (WA) Quadrangle



M=16.83
G=1.77

<p>PURPOSE: Fish passage restoration</p> <p>SHEET 1 of 5</p> <p>DATE: January 2, 2008</p>	<p>APPLICANT: Cle Elum Pines</p> <p>REFERENCE: NWS-2007-1986-CRC</p> <p>Lat.: 47° 1.34n</p> <p>Long: 120° 34.91w</p>	<p>PROPOSED: Place fill for streambed restoration, rock grade control structures, and temporary diversion dams</p> <p>IN: Currier Creek</p> <p>NEAR/AT: Ellensburg</p> <p>COUNTY: Kittitas STATE: WA</p> <p>Sec. 22,28, T 18N, R 18 E</p>
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This map shows the location of all five barriers proposed for removal on Currier Creek.

Reference: NWS-2007-1986-CRC
Applicant: Cle Elum Pines

Proposed: Place fill for streambed restoration, rock grade control structures, and temporary diversion dams

At: Ellensburg, Washington

Sheet 2 of 5 **Date:** 1/2/2008



0 20
Scale in feet

EXIST BRIDGE TIMBERS
ASSOCIATED WITH
ABANDONED IRRIG.
DIVERSION STRUCTURE
(TO BE REMOVED)

EXIST STEEL T BEAM
(TO BE REMOVED)

PROP. ROCK WEIR
STA. 0+88
(SEE PROFILE AND DETAIL)

PROP. ROCK WEIR
STA. 0+88
(SEE PROFILE AND DETAIL)
WORK TO MAINTAIN EXISTING
SCOUR POOL

CONC. AND STEEL DEBRIS
(TO BE REMOVED)



ABANDONED CONC. PIER BENCH

LEGEND	
	TOPOGRAPHY OF EXISTING CHANNEL
	EXISTING HIGH WATER MARK
	5 FT CONTROLLING - EXISTING
	1 FT EXISTING - EXISTING
	EXISTING AREA TO BE REMOVED

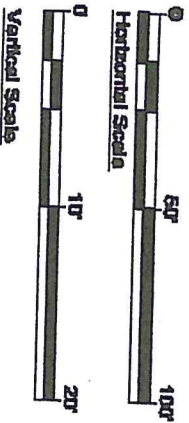
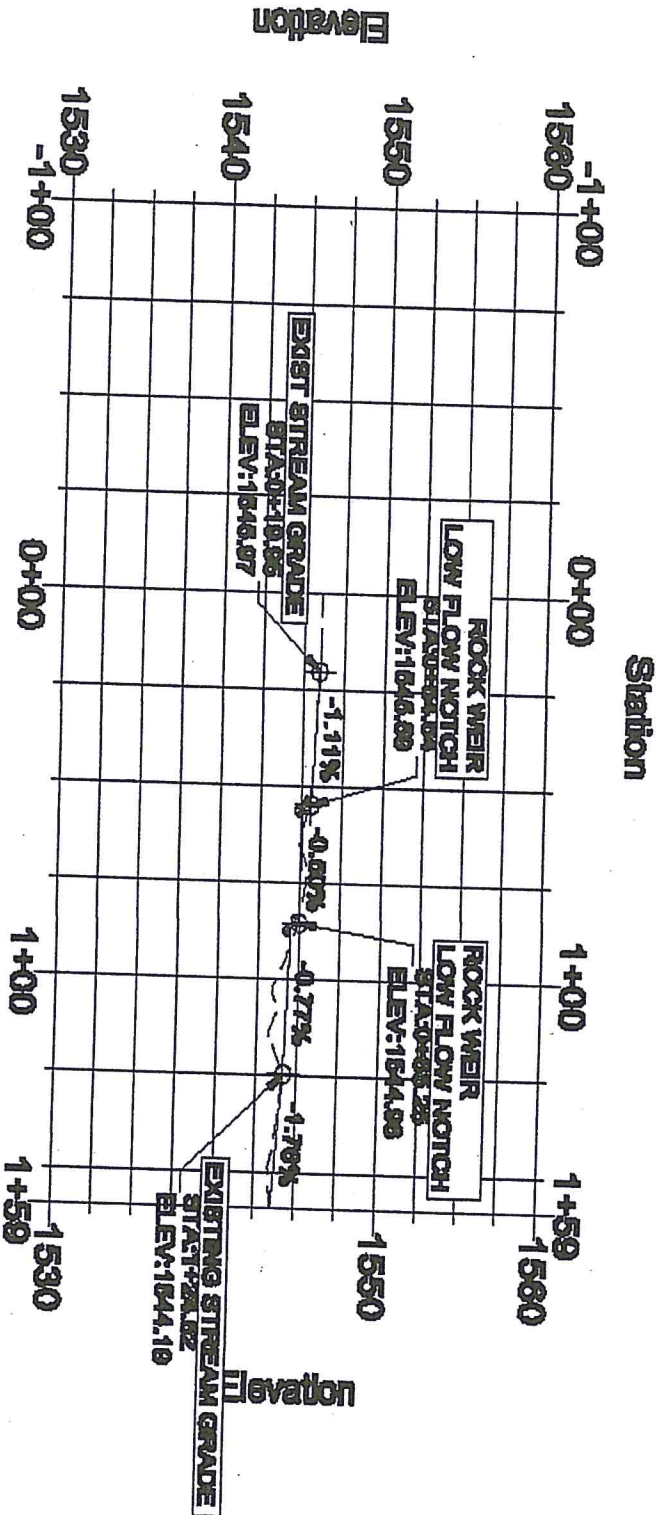
PLAN

Reference: NWS-2007-1986-CRC
Applicant: Cle Elum Pines

Proposed: Place fill for streambed
restoration, rock grade control
structures, and temporary diversion
dams

At: Ellensburg, Washington
Sheet 3 of 5 Date: 1/2/2008

CURRIER CR RM 0.81



Station

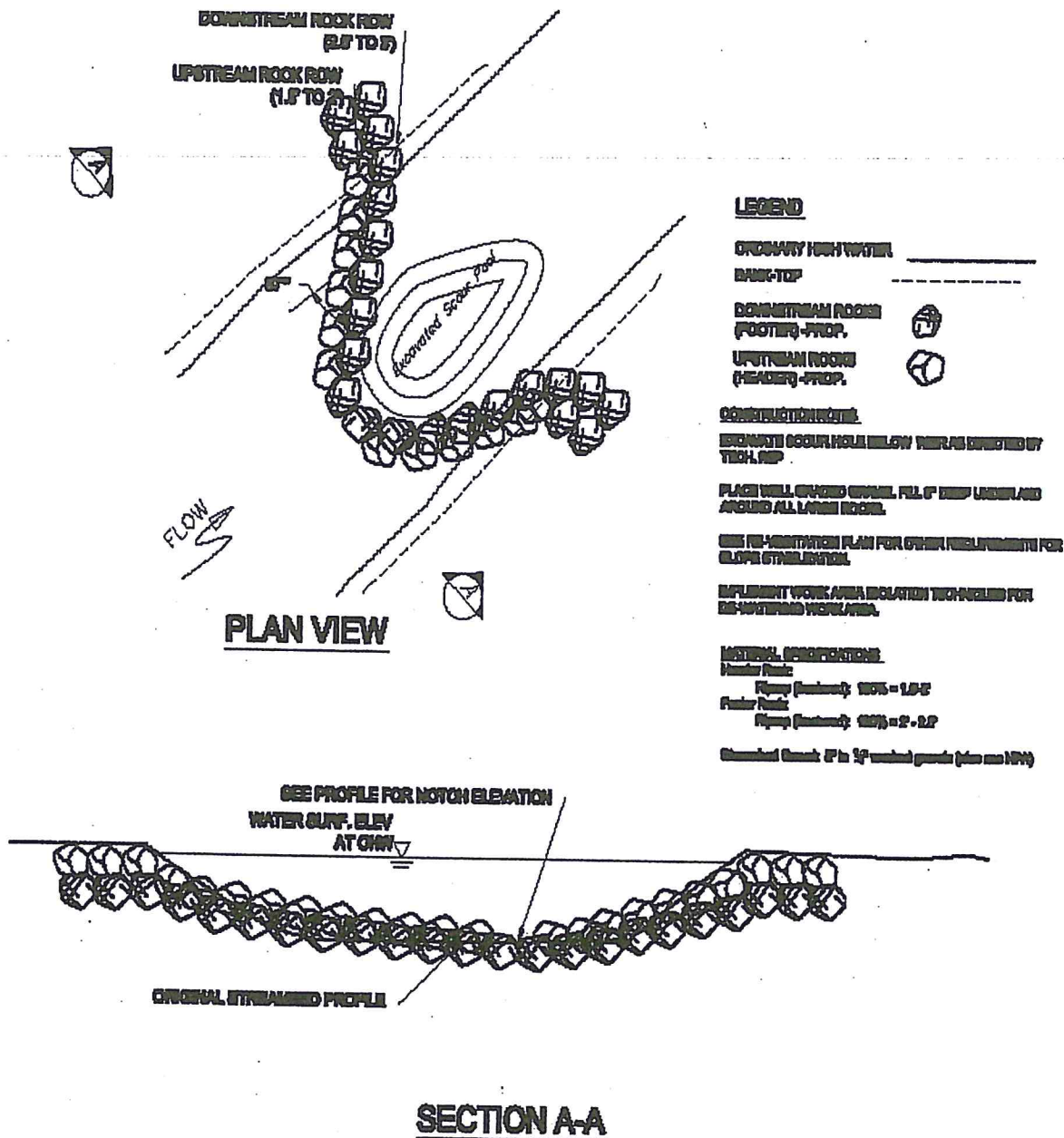
Elevation

LEGEND
EXISTING STREAM GRADE
PROPOSED STREAM GRADE

Reference: NWS-2007-1986-CRC
 Applicant: Cle Elum Pines

Proposed: Place fill for streambed restoration, rock grade control structures, and temporary diversion dams
 At: Ellensburg, Washington
 Sheet 4 of 5 Date: 2/2008

ROCK GRADE CONTROL WEIR DETAIL - At site #2



Reference: NWS-2007-1986-CRC
 Applicant: Cle Elum Pines

Proposed: Place fill for streambed restoration, rock grade control structures, and temporary diversion dams

At: Ellensburg, Washington

Sheet 5 of 5 Date: 1/2/2008



HYDRAULIC PROJECT APPROVAL

RCW 77.55.021(AG) - Appeal to Hydraulic Appeals Board
RCW 77.55.021 - Appeal pursuant to Chapter 34.05

South Central
1701 South 24th Avenue
Yakima, WA 98902-5720
(509) 575-2740

Issue Date: December 31, 2007
Project Expiration Date: August 31, 2008

Control Number: 111603-1
FPA/Public Notice #: N/A

<u>PERMITTEE</u>	<u>AUTHORIZED AGENT OR CONTRACTOR</u>
Cle Elum Pines East LLC ATTENTION: Pat Deneen P.O. Box 808 Cle Elum, WA 98926 509-260-0462	Kittitas Conservation Trust ATTENTION: David Gerth 205 Alaska Ave. Roslyn, WA 98941 509-649-2951 Fax: 509-649-2867

Project Name: Currier Creek Deneen Diversions (5) Removal
Project Description: Remove five former irrigation diversions in order to provide fish passage and restoration of stream processes and riparian function on Currier Creek. The work will proceed from the upstream barrier to the downstream barrier. Site #2 will have 2 grade control structures installed to aid in providing fish passage. Disturbed areas will be revegetated, and slopes graded to match natural slope gradients.

PROVISIONS

1. **TIMING LIMITATIONS:** The project may begin January 1, 2008 and shall be completed by August 31, 2008.

NOTIFICATION REQUIREMENT

2. The permittee or contractor shall notify the Department field office at least 7 days prior to starting the in-stream work portion of this project. Leave message for Habitat Biologist William Meyer: phone (509) 925-2491 or FAX (509) 925-4702. The notification is necessary in order to schedule fish salvage crews and review the site plan prior to construction. The notification shall include the permittee's name, project location, starting date for work, and the control number for this Hydraulic Project Approval.

GENERAL

3. Work shall be accomplished per plans and information submitted to Washington Department of Fish and Wildlife with Hydraulic Project application and attached typical installation drawings, except as modified by this Approval. A copy of these plans shall be available on-site during construction.
4. The contractors shall meet with WDFW on site, prior to removal of the old diversions, to field review site plans and de-construction plans prior to initiating the project.
5. The contractor shall prepare a brief Erosion Sediment Control Plan detailing the cofferdam method, and other sediment control measures that will be used to prevent soil from being carried into surface waters. The erosion control measures must be in place prior to any excavation or grading work.
6. WDFW or YN Biologists shall conduct a redd survey beginning at least ½ mile downstream of the

HYDRAULIC PROJECT APPROVAL

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project sites prior to the start of project activities in order to determine presence and proximity of Coho salmon redds. If redds are found to be present near the site, the project may need to modify cofferdam construction to ensure no loss of sediment or other deleterious materials, or if the redds are in close proximity to the project site, the project will not initiate until spawning is completed.

7. Removal of the old diversion structures and associated fill shall be done in the least disturbing manner to existing vegetation along the stream bank.

8. The stream banks shall be pulled back so that they gradually transition from the uplands to the streambed, in order to ensure adequate conveyance of flow and debris during flood events and to aid in the successful restoration of the bank. The re-contoured slopes shall be no greater than 3:1 and should also transition gradually from existing vegetation and upstream/downstream slopes. Extreme care shall be taken to avoid impacting existing stream bank vegetation upstream and downstream of the project site.

WORKSITE AND EQUIPMENT LIMITATIONS

9. All in-channel work shall be done during a period of low stream flow. If stream flows increase with fall precipitation, and the coffer dam appears likely to fail, the worksite shall be secured to minimize sediment plumes and other undesirable impacts and work shall only proceed once flows have subsided.

10. Equipment shall work from the bank. No stream crossings are currently. Equipment shall be maintained in good working conditions such that petroleum products or other harmful chemicals are not leaked into the creek or its banks or bed.

11. Equipment may work below the ordinary high water mark (OHWM) once the cofferdam is in place. This equipment shall be washed and clean of accumulations of earth and petroleum products prior to entering the channel.

12. An excavator or trackhoe equipped with a "thumb", or an equivalent piece of machinery, shall be available to remove old concrete block or riprap placed around the diversion structure.

13. The equipment operator shall have a spill containment kit onsite at all times in case equipment or associated fuel, hydraulic fluids or other toxic chemicals are spilled.

14. Re-fueling of vehicles or maintenance operations of vehicles shall only occur at an upland site at least 100 ft from the top of the stream bank.

WORK AREA ISOLATION AND TEMPORARY STREAM BYPASS

15. The diversion removal shall be done in isolation from the flowing water of the creek using a temporary stream bypass around the work site. Structures used to divert or contain flow or isolate the work area shall be made of clean materials such as sand bags, pre-cast concrete "ecology blocks", washed "stream gravel", plastic sheeting, etc.). The bypass will divert the flow of the creek to the opposite side of the diversion, while the first half of the diversion is removed.



HYDRAULIC PROJECT APPROVAL

RCW 77.55.021(AG) - Appeal to Hydraulic Appeals Board
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South Central
1701 South 24th Avenue
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16. The temporary flow bypass shall be established through the work area prior to initiation of work to remove the existing diversion. Sandbags or equivalent clean materials shall be installed as necessary to isolate the work area from the watercourse. The bypass shall be only as long as necessary to prevent seepage or backwatering of the work area. The temporary bypass shall be of sufficient size to pass flow and debris occurring during the project.

17. A dam of sandbag and plastic sheeting or equivalent clean structure shall be used to divert the entire flow of Currier Creek through the bypass. If necessary to prevent backwater from entering the work area, an equivalent, clean structure shall be installed at the downstream end of the bypass.

18. A fish salvage is required and shall take place in the coffered off portion of the project, prior to removal of the diversion. Fish trapped inside of work areas shall be captured and released unharmed down river of the project. The Department of Fish and Wildlife will provide a crew to accomplish this task. The project contractor shall provide a 7-day notice prior to initiating construction in order to arrange for crews and have a pre-work meeting.

19. Upon completion of the project, all temporary bypass facilities shall be removed. Materials used for temporary diversion and containment structures (other than washed gravel) shall be removed from the site.

DIVERSION REMOVAL AND DISPOSAL OF WASTE MATERIAL

20. Alteration of the channel shall be limited to the minimum necessary to remove the old diversion structure and associated fill, debris, tarps, boards etc.

21. All old fill and associated concrete, steel, or other debris used to armor the old diversion shall be removed from the streambed and disposed of in an approved upland site.

22. Road fill surrounding the existing diversions and footings shall be carefully removed prior to any demolition work on the existing diversion. After the road fill has been removed, the existing diversions shall be carefully removed. All waste material and excess fill shall be removed completely from the channel and disposed of in an approved upland location where it will not affect flood plains or wetlands. Removed fill shall not be placed within the 100-year floodplain.

23. The temporary bypass shall remain in place until the old diversion has been removed, the slopes have been recontoured and the washed stream gravel and boulders have been installed in the disturbed streambed areas.

24. Before water is diverted into the permanent new channel, the streambed gravel shall be in place; the streambanks shall be protected from erosion using erosion control blankets or similar means, and planted.

25. The new channel shall be excavated and shaped as per plans. This channel shall be constructed in the dry.

Issue Date: December 31, 2007

Project Expiration Date: August 31, 2008

Control Number: 111603-1

FPA/Public Notice #: N/A

26. A bed of washed, rounded, streambed gravel shall be placed over all disturbed streambed areas within the work area to a depth of six (6) inches. Streambed gravel shall be well mixed gravel ranging in size from 0.25 inches to 5.0 inches (see attached typical specification).

27. Wastewater from project activities and de-watering of the work area shall be routed to an upland location to allow removal of fine sediment and other contaminants. Care shall be taken to ensure that fine sediment or other harmful materials is discharged to the creek.

DROP STRUCTURE CONSTRUCTION AT SITE #2

28. The grade control shall be constructed in isolation from the flowing water of the creek to the fullest extent possible.

29. Two, Reichmuth-style control weirs may be constructed at Site #2, so as to pool water and ensure unimpeded fish passage through the creek. Construction of two upstream "v" shaped weir is authorized. The water surface elevation drop across the weir shall be less than 6 inches +/- . The grade control weir shall be constructed in the creek as shown on the site plan, and in accordance with Washington State Integrated Streambank Protection Guidelines for Drop Structures (WA State Aquatic Habitat Guidelines Program, 2002, pp. 6-39 - 6-46).

30. Weirs shall be designed to allow upstream passage of fish. A scour pool shall be excavated below the weir as necessary to ensure that fish have a "jump pool" water depth at least 1.25 times the height of the low flow head differential across the weir. The voids in the rock weir shall be sealed with suitable streambed gravels (with minimal silt and clay content) to ensure stream flow will pour over the weir rather than percolate through it. If suitable streambed gravels are unavailable on site, imported pit run or other suitable gravel aggregate shall be used.

31. The weirs shall be constructed of large, clean, angular rock of sufficient size to prevent them from being washed away by 100-year flows. The largest rocks shall be used on the downstream face of the structure. The weir shall be keyed into the bank to an elevation above the high flow line. The downstream face of the weir shall be oriented at an upstream angle so as to form a "V", which concentrates flow energy in the center of the channel.

32. If excavation is necessary for placement of a rock, the excavated hole shall be only large enough and deep enough to accept the rock and maintain surface grade. Excavated material shall be gently placed on upstream side of structure.

33. Rocks shall be placed individually by use of a backhoe with a thumb or other suitable grapple device. Each rock shall be set in place in essentially the final position.

34. Work shall avoid damage to existing woody vegetation.

SITE RESTORATION

35. All earth areas adjacent to the watercourse which have been disturbed by this project are to be seeded with a suitable erosion control seed mix and protected from erosion with a commercial erosion control blanket or approved equivalent.



HYDRAULIC PROJECT APPROVAL

RCW 77.55.021(AG) - Appeal to Hydraulic Appeals Board
RCW 77.55.021 - Appeal pursuant to Chapter 34.05

South Central
1701 South 24th Avenue
Yakima, WA 98902-5720
(509) 575-2740

Issue Date: December 31, 2007
Project Expiration Date: August 31, 2008

Control Number: 111603-1
FPA/Public Notice #: N/A

36. The stream bank shall be planted with a diverse assemblage of native woody plants adapted to stream sides (e.g. red osier dogwood, wild rose, snowberry), and maintained as necessary for three (3) years to ensure 80 percent survival (see attached plant list).

37. The stream bank shall be planted with a minimum of eight (8) rooted stock trees (5-6 ft high), 4 per each side of the stream, at each site. If trees are planted in the upland areas they are likely to need watering during the hot months of the summer to ensure survival.

38. Noxious weeds such as Russian thistle or knapweed shall be controlled by hand pulling, in order to allow native plants to successfully re-vegetate the site and to minimize the introduction of herbicides into the stream.

PROJECT LOCATIONS

Location #1 Site #1 Rivermile 0.71

WORK START: January 01, 2008				WORK END: August 31, 2008		
WRIA: 39.0969		Waterbody: Currier Creek (lb)			Tributary to: Reecer Creek	
1/4 SEC: SE 1/4	Section: 28	Township: 18 N	Range: 18 E	Latitude: N 47.01616	Longitude: W 120.58249	County: Kittitas
Location #1 Driving Directions Just upstream 250m from Highway 10 on Currier Creek						

Location #2 Site #2 Rivermile 0.81

WORK START: January 01, 2008				WORK END: August 31, 2008		
WRIA: 39.0969		Waterbody: Currier Creek (lb)			Tributary to: Reecer Creek	
1/4 SEC: SE 1/4	Section: 28	Township: 18 N	Range: 18 E	Latitude: N 47.01734	Longitude: W 120.58206	County: Kittitas
Location #2 Driving Directions Just upstream 350m from Highway 10 on Currier Creek						

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Location #3 Site #3 Rivermile 1.41

WORK START: January 01, 2008				WORK END: August 31, 2008			
WRIA: 39.0969		Waterbody: Currier Creek (lb)			Tributary to: Reecer Creek		
1/4 SEC: NW 1/4	Section: 27	Township: 18 N	Range: 18 E	Latitude: N 47.02437	Longitude: W 120.58067	County: Kittitas	
Location #3 Driving Directions							
Just upstream 150 m from the John Wayne Trail on Currier Creek							

Location #4 Site #4 Rivermile 1.50

WORK START: January 01, 2008				WORK END: August 31, 2008			
WRIA: 39.0969		Waterbody: Currier Creek (lb)			Tributary to: Reecer Creek		
1/4 SEC: NW 1/4	Section: 27	Township: 18 N	Range: 18 E	Latitude: N 47.0259	Longitude: W 120.57929	County: Kittitas	
Location #4 Driving Directions							
Just upstream 350m from the John Wayne Trail on Currier Creek							

Location #5 Site #5 Rivermile 1.69

WORK START: January 01, 2008				WORK END: August 31, 2008			
WRIA: 39.0969		Waterbody: Currier Creek (lb)			Tributary to: Reecer Creek		
1/4 SEC: NW 1/4	Section: 27	Township: 18 N	Range: 18 E	Latitude: N 47.02796	Longitude: W 120.57738	County: Kittitas	
Location #5 Driving Directions							
Just upstream 550m from the John Wayne Trail on Currier Creek							

APPLY TO ALL HYDRAULIC PROJECT APPROVALS

This Hydraulic Project Approval pertains only to those requirements of the Washington State Hydraulic Code, specifically Chapter 77.55 RCW (formerly RCW 77.20). Additional authorization from other public agencies may be necessary for this project. The person(s) to whom this Hydraulic Project Approval is issued is responsible for applying for and obtaining any additional authorization from other public agencies (local, state and/or federal) that may be necessary for this project.

This Hydraulic Project Approval shall be available on the job site at all times and all its provisions followed by the person(s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work.



HYDRAULIC PROJECT APPROVAL

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This Hydraulic Project Approval does not authorize trespass.

The person(s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work may be held liable for any loss or damage to fish life or fish habitat that results from failure to comply with the provisions of this Hydraulic Project Approval.

Failure to comply with the provisions of this Hydraulic Project Approval could result in a civil penalty of up to one hundred dollars per day and/or a gross misdemeanor charge, possibly punishable by fine and/or imprisonment.

All Hydraulic Project Approvals issued pursuant to RCW 77.55.021 (EXCEPT agricultural irrigation, stock watering or bank stabilization projects) or 77.55.141 are subject to additional restrictions, conditions or revocation if the Department of Fish and Wildlife determines that new biological or physical information indicates the need for such action. The person(s) to whom this Hydraulic Project Approval is issued has the right pursuant to Chapter 34.04 RCW to appeal such decisions. All agricultural irrigation, stock watering or bank stabilization Hydraulic Project Approvals issued pursuant to RCW 77.55.021 may be modified by the Department of Fish and Wildlife due to changed conditions after consultation with the person(s) to whom this Hydraulic Project Approval is issued: PROVIDED HOWEVER, that such modifications shall be subject to appeal to the Hydraulic Appeals Board established in RCW 77.55.301.

APPEALS INFORMATION

If you wish to appeal the issuance or denial of, or conditions provided in a Hydraulic Project Approval, there are informal and formal appeal processes available.

A. INFORMAL APPEALS (WAC 220-110-340) OF DEPARTMENT ACTIONS TAKEN PURSUANT TO RCW 77.55.021, 77.55.141, 77.55.181, and 77.55.291: A person who is aggrieved or adversely affected by the following Department actions may request an informal review of:

(A) The denial or issuance of a Hydraulic Project Approval, or the conditions or provisions made part of a Hydraulic Project Approval; or

(B) An order imposing civil penalties. A request for an INFORMAL REVIEW shall be in WRITING to the Department of Fish and Wildlife HPA Appeals Coordinator, 600 Capitol Way North, Olympia, Washington 98501-1091 and shall be RECEIVED by the Department within 30 days of the denial or issuance of a Hydraulic Project Approval or receipt of an order imposing civil penalties. If agreed to by the aggrieved party, and the aggrieved party is the Hydraulic Project Approval applicant, resolution of the concerns will be facilitated through discussions with the Area Habitat Biologist and his/her supervisor. If resolution is not reached, or the aggrieved party is not the Hydraulic Project Approval applicant, the Habitat Technical Services Division Manager or his/her designee shall conduct a review and recommend a decision to the Director or his/her designee. If you are not satisfied with the results of this informal appeal, a formal appeal may be filed.

B. FORMAL APPEALS (WAC 220-110-350) OF DEPARTMENT ACTIONS TAKEN PURSUANT TO RCW 77.55.021 (EXCEPT agricultural irrigation, stock watering or bank stabilization projects) or 77.55.291:

A person who is aggrieved or adversely affected by the following Department actions may request a formal review of:

(A) The denial or issuance of a Hydraulic Project Approval, or the conditions or provisions made part of a Hydraulic Project Approval;

(B) An order imposing civil penalties; or

(C) Any other 'agency action' for which an adjudicative proceeding is required under the Administrative Procedure Act, Chapter 34.05 RCW.

A request for a FORMAL APPEAL shall be in WRITING to the Department of Fish and Wildlife HPA Appeals Coordinator, shall be plainly labeled as 'REQUEST FOR FORMAL APPEAL' and shall be RECEIVED DURING OFFICE HOURS by the Department at 600 Capitol Way North, Olympia, Washington 98501-1091, within 30-days of the Department action that is being challenged. The time period for requesting a formal appeal is suspended during consideration of a timely informal appeal. If there has been an informal appeal, the deadline for requesting a formal appeal shall be within 30-days of the date of the Department's written decision in response to the informal appeal.



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C. FORMAL APPEALS OF DEPARTMENT ACTIONS TAKEN PURSUANT TO RCW 77.55.021 (agricultural irrigation, stock watering or bank stabilization only), 77.55.141, 77.55.181, or 77.55.241: A person who is aggrieved or adversely affected by the denial or issuance of a Hydraulic Project Approval, or the conditions or provisions made part of a Hydraulic Project Approval may request a formal appeal. The request for FORMAL APPEAL shall be in WRITING to the Hydraulic Appeals Board per WAC 259-04 at Environmental Hearings Office, 4224 Sixth Avenue SE, Building Two - Rowe Six, Lacey, Washington 98504; telephone 360/459-6327.

D. FORMAL APPEALS OF DEPARTMENT ACTIONS TAKEN PURSUANT TO CHAPTER 43.21L RCW: A person who is aggrieved or adversely affected by the denial or issuance of a Hydraulic Project Approval, or the conditions or provisions made part of a Hydraulic Project Approval may request a formal appeal. The FORMAL APPEAL shall be in accordance with the provisions of Chapter 43.21L RCW and Chapter 199-08 WAC. The request for FORMAL APPEAL shall be in WRITING to the Environmental and Land Use Hearings Board at Environmental Hearings Office, Environmental and Land Use Hearings Board, 4224 Sixth Avenue SE, Building Two - Rowe Six, P.O. Box 40903, Lacey, Washington 98504; telephone 360/459-6327.

E. FAILURE TO APPEAL WITHIN THE REQUIRED TIME PERIODS results in forfeiture of all appeal rights. If there is no timely request for an appeal, the department action shall be final and unappealable.

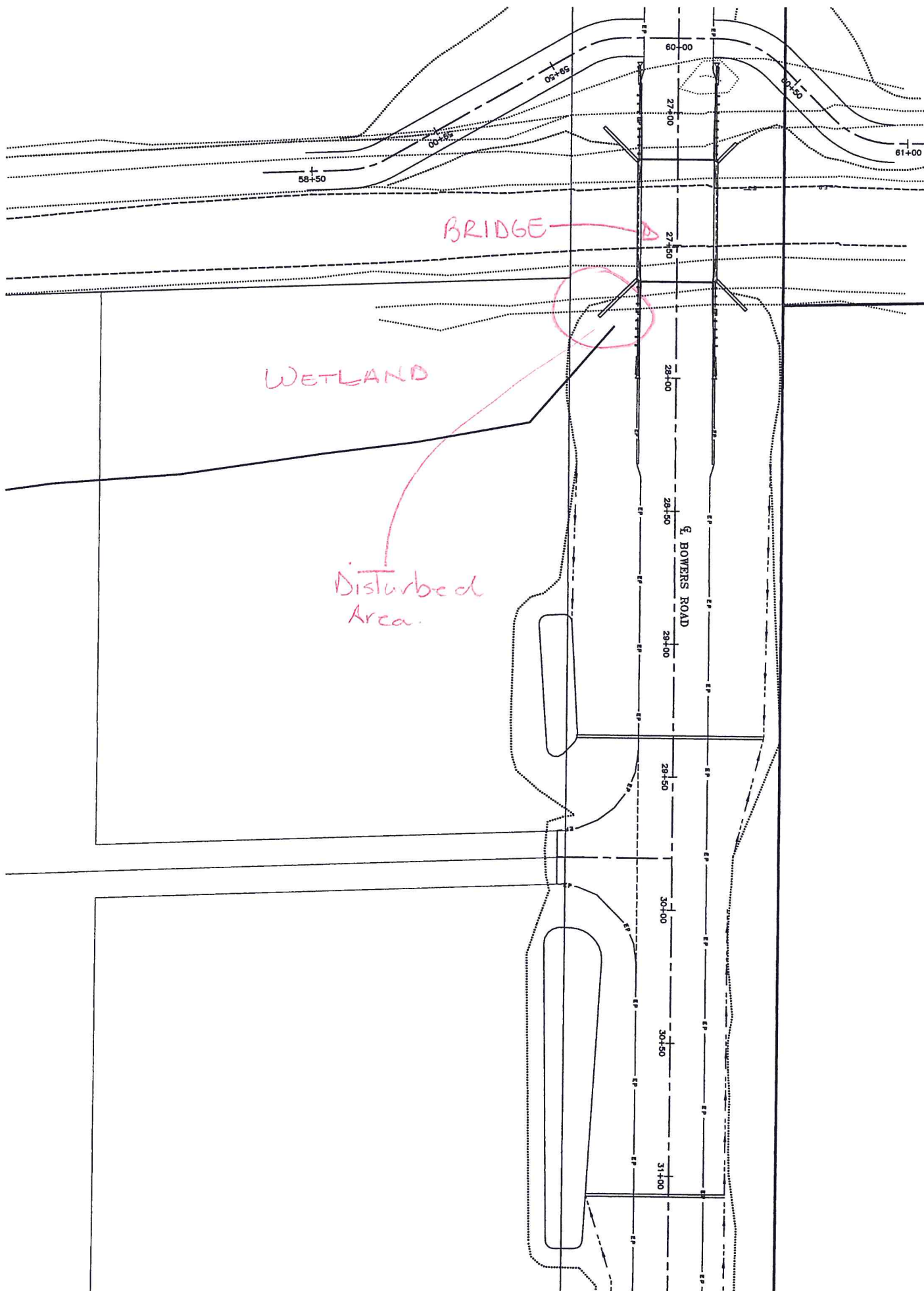
ENFORCEMENT: Sergeant Sprecher (30) P3E

Habitat Biologist
William Meyer

509-933-2491

for Director
WDFW

CC:



Pal. Bridge

Write a description for your map.

Legend
Feature 1

Bridge
Disturbed Area. 800'

Google earth

600 ft



Replacement Area

Legend
Feature 1

1100'D
Replacement
Area.

Google earth

400 ft

