WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:

EWC Canal Siphon under Currier Creek: Fish Passage and Screening Project

2. Name of applicant:

Ellensburg Water Company (EWC)
WDFW

3. Address and phone number of applicant and contact person:

~~Applicant~~	~~Contact~~
Ellensburg Water Company (EWC)	**Washington Department of Fish and Wildlife**
Larry Browne, superintendent	**Jennifer Scott**
502 E. 3rd Street	**1701 South 24th Avenue**
Ellensburg, WA 98926	**Yakima, WA 98902**
(509) 925-5498	**(509) 457-9307**
eburgwater@yahoo.com	**scottjls@dfw.wa.gov**

4. Date checklist prepared:

July 16, 2007

5. Agency requesting checklist:

WDFW

6. Proposed timing or schedule (including phasing, if applicable):

Implementation will begin as soon as October 20, 2007, after irrigation water has been shut off and the canal drained. Construction is not expected to last longer than 3 months, and will be completed by March 20, 2008 at the latest.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

Once the project has been implemented, routine maintenance of the fish screen and its associated infrastructure on Currier Creek will occur, but no other instream work is anticipated. Some adaptive maintenance may be necessary for the grade control structures if high flow events displace the rocks. The EWC Canal and the associated screening structures will continue to be managed by the Ellensburg Water Company.

An access bridge may eventually be constructed where the current concrete check structure is located. Any bridge building activity will be proposed and permitted separately from this project. The access bridge over Currier Creek downstream of the project location will continue to be used until the new bridge is constructed.

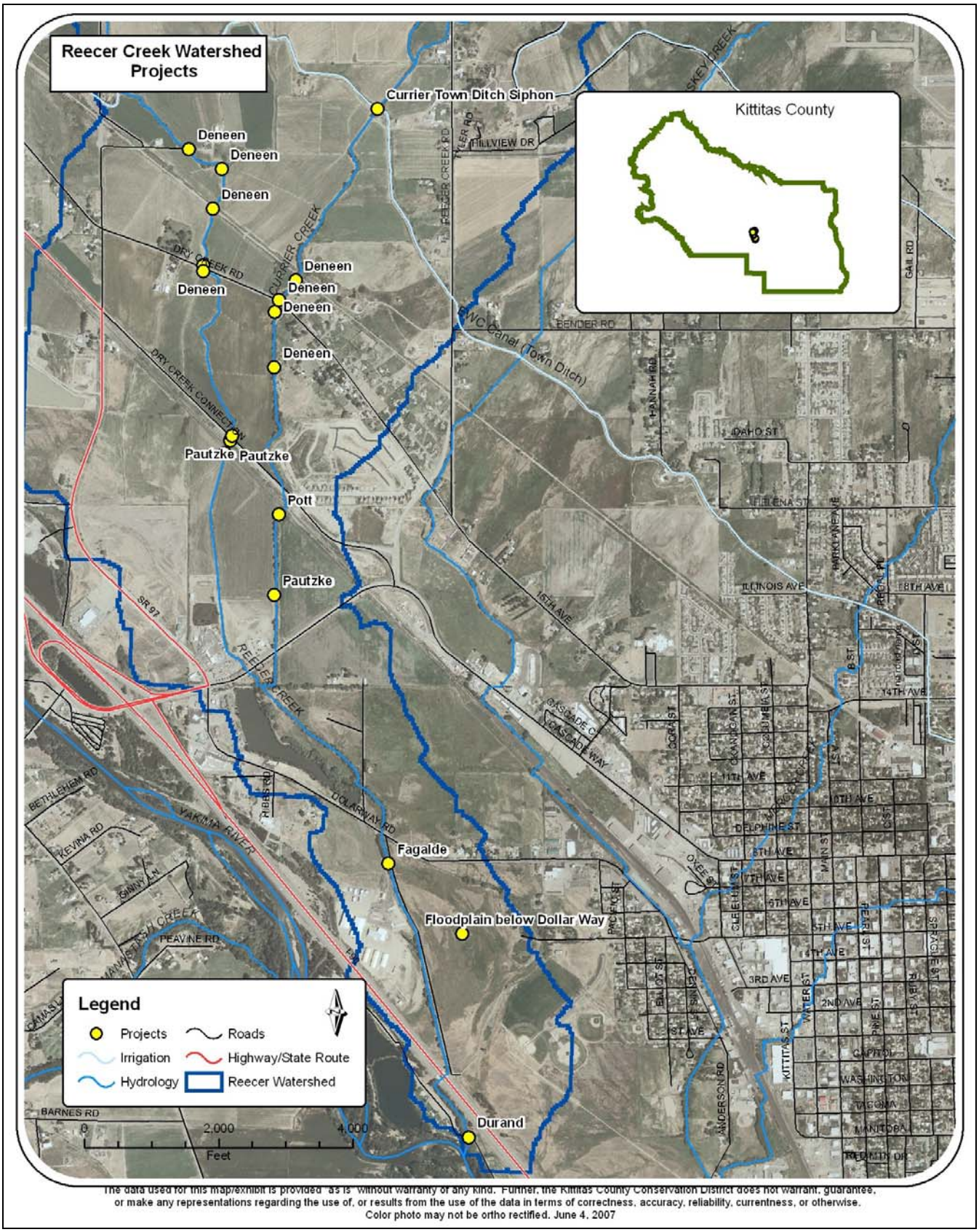
The Yakima Tributary Access and Habitat Program (YTAHP) is planning other fish passage, screening, and habitat improvement projects within the Reecer/Currier Watershed (Figure 1) that will complement the benefits to aquatic life gained through implementation of the proposed inverted siphon, fish screen, and fish passage project.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

- **Biological Assessment/Evaluation for ESA Section 7 consultation**
- **Cultural Resource Pedestrian Survey for Currier/EWC Canal Diversion Replacement/Redesign, Kittitas County, Washington (2004). Written by Steve Hackenberger, Jessica Middleton, and Erin Woodard – Central Washington University**
- **Salmon Recovery Funding Board Application**

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

None known.



The data used for this map/exhibit is provided "as is" without warranty of any kind. Further, the Kittitas County Conservation District does not warrant, guarantee, or make any representations regarding the use of, or results from the use of the data in terms of correctness, accuracy, reliability, currentness, or otherwise.
Color photo may not be ortho rectified. June 4, 2007

Figure 1. Map of the Reecer Creek Watershed indicating the proposed YTAHP projects through FY 09.

10. List any government approvals or permits that will be needed for your proposal, if known.

- **USFWS and NMFS ESA Section 7 concurrence**
- **NHPA Section 106 concurrence**
- **CWA Section 404 permit-U.S. Army Corps of Engineers**
- **CWA Section 401 WQC-Washington Department of Ecology**
- **HPA-Washington Department of Fish and Wildlife**
- **Kittitas County Shoreline, Floodplain, Critical Areas review**

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

The Yakima Tributary Access and Habitat Program (YTAHP) was developed to improve accessibility and habitat for fish in tributaries of the Yakima Basin. The present intersection and intermingling of canal water with Currier Creek and the associated fish passage barrier in Currier Creek (Figure 2) were identified as priorities to correct in 2002. The purpose of the proposed project is: 1) to install a NOAA Fisheries and WDFW compliant fish screen for the EWC diversion from the creek; 2) to provide juvenile and adult fish passage in compliance with state and federal regulations; and 3) to separate the EWC Canal water from mingling with Currier Creek water to protect water quality. These improvements will prevent entrainment of fish and other aquatic species into the irrigation canal, protect creek water quality from canal pollutants; regulate and meter the irrigation diversion, and control any operational spill that may occur from the canal into the stream. Streambed grade control structures will eliminate the existing fish passage barrier on Currier Creek, allowing juvenile and adult migration through the intersection/diversion site. Water quantity (in-stream flow) will be more consistent by becoming independent of canal operations and the flow needed to operate the fishway at the screens (3 cfs minimum) will remain in-stream when creek water is present upstream of the fish screen.

Figure 2. These photos illustrate the current conditions at the project site. Currier Creek is checked up via a concrete and wooden dam board structure, preventing fish passage and it intermingles with irrigation water in the EWC Canal.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

- **Intersection of Currier Creek and Ellensburg Water Company's Canal, Kittitas County, Figure 3**
- **The project site is located approximately ¾ mile west of Reecer Creek Road along EWC main canal, an access road to point of intersection currently exists.**
- **SW ¼ Section 22, Township 18 N, Range 18 E**

- **47.0372°N, 120.5674°W**
- **The project site is located within tax parcel number 12586, near parcel number 856233; in EWC right of way**
- **WRIA 39**

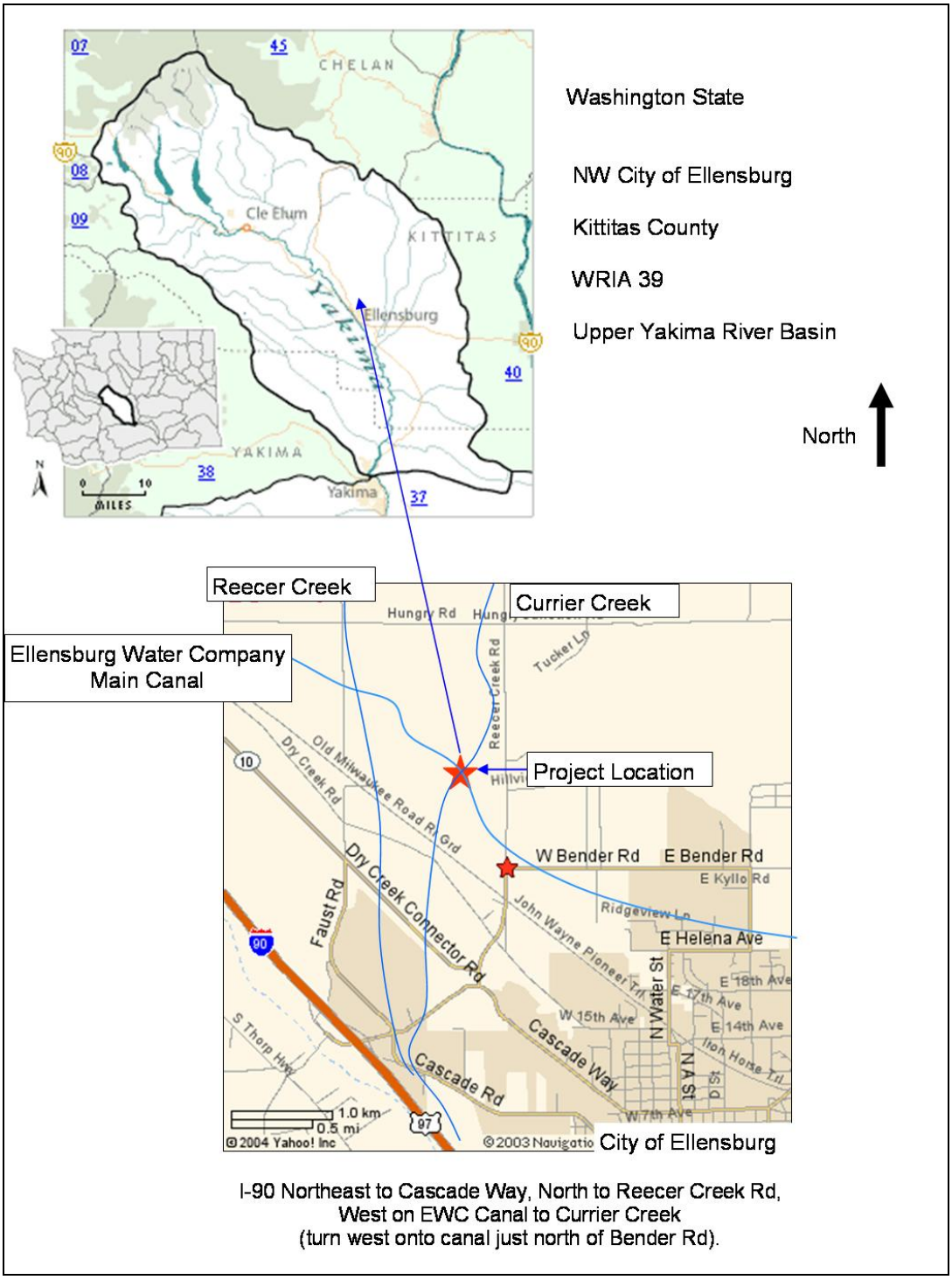


Figure 3. Vicinity map of the proposed project location.

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

a. General description of the site (circle one): **Flat**, rolling, hilly, steep slopes, mountainous, other . . . . . .

The project area is relatively flat.

b. What is the steepest slope on the site (approximate percent slope)?

The steepest slope on the site is the grade of Currier Creek, less than 2%.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Weirman, 0-2% very gravelly sand loam, streambed gravels and cobbles, silt, organic sediment.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No, the banks of Currier Creek upstream of the intersection are heavily vegetated with reed canary grass and downstream of the intersection, several large cottonwood trees line the creek. The banks of the creek downstream of the diversion are relatively well established and show no signs of unstable soils in the recent past.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Large angular rock will be acquired from local quarries to construct grade control structures in the creek. These will be keyed into the banks sufficiently to withstand 100-year flow events. The rock and key way materials will require approximately 750 cubic yards of material. Native soil material will be used to backfill the keyways and large rock will be obtained from a local quarry. The banks and creekbed will be re-graded to conform to more natural conditions, to provide fish passage through the project area, and will not alter the present floodway or flood capacity of Currier Creek (this grading is included in the 750 cubic yards). Installation and construction of the inverted siphon and fish-screening infrastructure will require significant excavation, and the waste material will be disposed of in an approved upland area outside of the 100-year floodplain. The total area that will be impacted by this project is 0.92 acre, including the staging areas.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Yes, it is possible that some erosion could occur as a result of project implementation. Best management practices will be applied during project planning, implementation, and site restoration to reduce impacts caused by erosion. The project will be planned and completed in accordance with the Stormwater Management Manual for Eastern Washington.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

Less than 7% of the total project area will be covered with new impervious surfaces after project implementation. Concrete structures to stabilize the siphon and prevent trash and debris from entering the new siphon will be constructed within the canal, requiring new concrete. Additionally, the fish screen and its associated infrastructure will require the addition of concrete housings for the new screens, concrete fish ways, and a fenced in area to protect electrical equipment from vandalism. The access road to the project site will be unimproved.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Soil disturbance will be limited to the minimum extent possible in all cases. A coffer dam and lined bypass will be used to divert Currier Creek from its channel during construction to prevent increases in turbidity during the construction of grade controls, fish screening infrastructure, fishways, and the inverted siphon. The bypass will be located within the footprint of the pipe conveying water from the screen to the canal to avoid additional ground disturbance and will be sized to convey flows of up to 250 cfs; the high flow calculated for this site. Upon completion of the in-channel work, Currier Creek will slowly be allowed back in its channel reducing the likelihood of sediment plumes. Streambanks will be protected with erosion control fabric and planted with native vegetation to aid in stabilization and site restoration.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Diesel exhaust from excavator, generator, and vehicles moving materials to and from the site will be the main source of emissions. Dust from excavation and vehicular traffic is expected to be minimal during construction.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

None known.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Construction equipment emissions will meet all federal, state, and local regulations. In addition, all equipment will be shut off when not in use.

3. **Water**

a. Surface:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Yes, Currier Creek is a fish-bearing stream that is the main tributary to Reecer Creek at RM 1.6, ultimately flowing into the Yakima River at approximately RM 154. The Ellensburg Water Company conveys water in an open canal (EWC Canal) for irrigation purposes as well.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Yes, nearly all aspects of this project will be within 200 feet of Currier Creek. The project entails temporarily diverting the creek, removing the current concrete and wooden diversion structure, constructing an inverted siphon to convey canal water under the Currier Creek bed, install grade control structures and a half pool and chute fishway to provide juvenile and adult fish passage, install a fish screen and its associated bypass and control structures, and revegetate the banks to prevent erosion.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

There will be an estimated 1600 cubic yards of material excavated from the creek bed or banks and EWC Canal during project construction. The total area that will be affected is 0.35 acre. All materials will come from the local area when possible and disposal of waste material will be placed outside of the 100-year floodplain in an approved location when not used on site.

Some agricultural/irrigation induced wetland areas may be impacted by this proposal (Figure 4), but disturbance will be kept to the minimum amount necessary to successfully complete the project (0.2 acre). The original project proposal has been adjusted to minimize impacts to these sensitive areas.

All disturbed areas will be replanted with native vegetation and will ultimately be enhanced by returning the creek to a more natural condition that allows fish passage, eliminating entrainment of aquatic species into the canal, separating the intermingling of canal waters from creek waters, and planting a riparian buffer with native vegetation.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

Yes, EWC has an instantaneous water right of 15 cfs. Currently this diverted water is not screened and is not compliant with state screening and passage laws. Implementation of this project will bring the irrigators into compliance with NOAA Fisheries and WDFW fish screening criteria. This project will not result in a new surface water withdrawal. The water right will not change, and it will now be screened and metered according to state laws.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

Yes, the entire project area is within the 100-year floodplain of Currier Creek.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

Construction activities and rewatering of the channel may result in slightly increased turbidity for short durations, but there will be no discharges of waste material into surface waters.

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

No

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

Not applicable.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Precipitation will be the main cause of stormwater runoff associated with this proposed project. The instream work will occur in the dry creekbed to the maximum extent possible. If storm

events should occur or are forecast to occur during project implementation, immediate best management practices would be applied according to the Stormwater Management Manual for Eastern Washington (2004); additionally, stormwater would be routed to the canal, where it would have nearly 20 miles to naturally filter out sediment prior to reentering a natural waterbody.

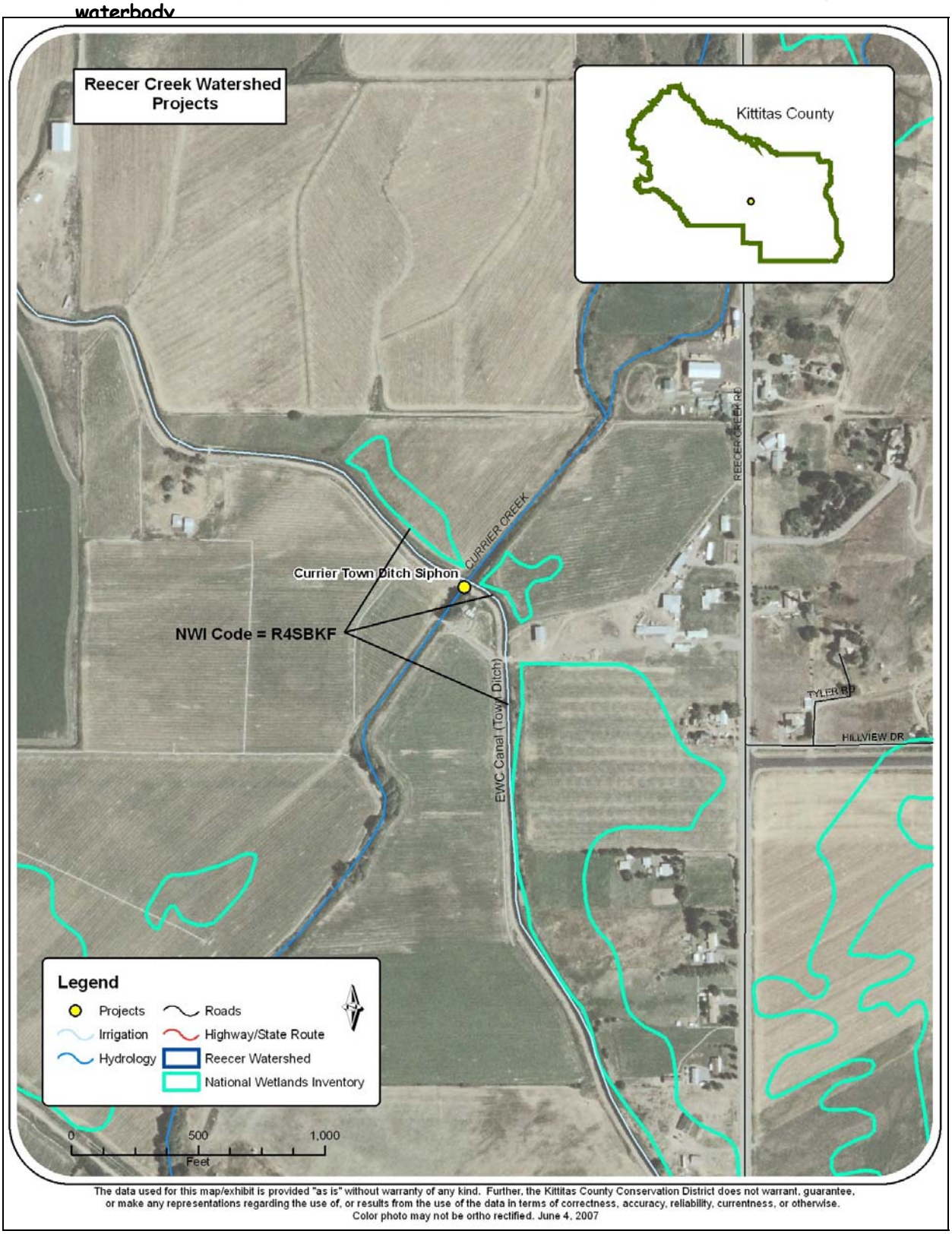


Figure 4. The National Wetland Inventory layer overlay on the aerial photo of the project area, indicating the wetland areas that are agricultural/irrigation influenced that may be impacted by this proposal.

2) Could waste materials enter ground or surface waters? If so, generally describe.

During construction, accidental spills of materials and fuels are a possibility. However, spill prevention techniques, containment of accidental spills, and other best management practices will reduce the risk of ground and surface water contamination.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

Erosion control measures will be applied during project implementation to limit the negative ecological impacts caused by runoff. The stream bypass will be of adequate size to convey the creek water even during high flow (at least 250 cfs), storm events such that the coffer dam does not overtop and flowing water does not enter the construction area.

The contractor will be responsible to provide spill containment materials and must have them onsite at all times.

4. **Plants**

a. Check or circle types of vegetation found on the site:

X——— deciduous tree: alder, maple, aspen, other: ~~**Cottonwoods**~~

——— evergreen tree: fir, cedar, pine, other

X——— ~~**shrubs**~~

X——— ~~**grass (mostly reed canary grass)**~~

——— pasture

X——— ~~**crop**~~ or grain:

——— wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

——— water plants: water lily, eelgrass, milfoil, other

——— other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

The majority of vegetation that will be disturbed consists of non-native reed canary grass, which lines the banks of the canal and the upstream banks of Currier Creek. Downstream of the current diversion structure, cottonwood trees are the predominant species along each bank. These trees will be preserved to the maximum extent possible during construction of grade control structures and removal of the concrete diversion structure. All disturbed areas will be replanted with native vegetation.

c. List threatened or endangered species known to be on or near the site.

None known. Ute ladies'-tresses are a listed species, but are not known to occupy Kittitas County.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

The designs are such that the minimum amount of established, native vegetation will be disturbed during construction. All of the disturbed areas associated with this project will be replanted using native vegetation to help the establishment of stable streambanks and enhance the riparian and instream habitat. The plantings will be maintained for at least 3 years.

5. **Animals**

a. Circle any birds and animals, which have been observed on or near the site or are known to be on or near the site:

birds: ~~**hawk, heron, eagle, songbirds**~~, other:
mammals: ~~**deer**~~, bear, elk, beaver, other:
fish: bass, salmon, ~~**trout**~~, herring, shellfish, other: ~~**minnows, suckers, sticklebacks, sculpins**~~

b. List any threatened or endangered species known to be on or near the site.

Federally threatened bull trout are not likely to be present within the Currier Creek watershed, but are listed in the Yakima River Basin and the mainstem Yakima River is designated as critical habitat. Federally threatened Middle Columbia River Steelhead are also listed in the Yakima Basin. Multiple fish passage barriers in the Reecer Creek and Currier Creek Watersheds have prevented Currier Creek from being designated critical habitat for steelhead. Due to their athletic nature and that during high flows, many barriers become passable, it will be assumed that steelhead may be present within Currier Creek. Conservation measures are planned and will be applied under this assumption. Essential Fish Habitat for coho and Chinook salmon will also be protected using these same conservation measures.

Bald eagles are common in Kittitas County, but the closest roosting site is over 5 miles from the project site.

c. Is the site part of a migration route? If so, explain.

During irrigation season, the check dam is a complete migration barrier to fishes in Currier Creek. At times, fish may migrate through this site when the check boards are not in place and flows are high enough to enable passage above the concrete apron associated with the check structure. There are no known listed fish species that migrate through this project area in recent history, however it is impossible to differentiate between juvenile steelhead and resident rainbow trout unless the steelhead are smolting.

Songbirds may use the creek corridor as a migration route, although riparian vegetation is limited. Small mammals and deer may also use the area.

d. Proposed measures to preserve or enhance wildlife, if any:

The project is proposed to enhance fish passage and prevent entrainment of fishes and other aquatic life into the irrigation canal. Completion of the project will return Currier Creek to a more natural state, improve water quality, and native vegetation will be planted along its banks providing increased habitat for wildlife. Implementation of this project will ultimately benefit fish and wildlife in and around Currier Creek.

6. **Energy and natural resources**

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Electricity will be used at the site to power the automated screen cleaning system, automated head gate and water metering device. Power will be brought to the site via an easement from Reecer Creek Road.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

The screen must be self-cleaning to meet state and federal criteria. The cleaning system, head gate, and water-metering device are designed to be energy efficient.

7. **Environmental health**

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe.

The use of petroleum based fuels and lubricants are necessary for equipment operation. Accidental spills and/or ignition of these materials are a possibility. The use of best management practices will reduce these risks.

1) Describe special emergency services that might be required.

In the event of an emergency, respondents may include Kittitas County Sheriff's Department and the local fire district. The Department of Ecology would likely respond to an accidental spill.

2) Proposed measures to reduce or control environmental health hazards, if any:

Safety practices required by federal, state, and local regulations will be applied at all times. Additionally, the contractor will have a spill containment kit on site at all times.

b. **Noise**

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

Noises from traffic on county roads, the nearby airfield, and agricultural equipment exist in the area but are not expected to affect the project.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Temporary noise impacts due to construction equipment such as excavators, trucks, and generators are expected during daylight hours. Upon project completion, noise levels will return to the existing conditions.

3) Proposed measures to reduce or control noise impacts, if any:

All equipment will be shut down when not in use and construction activities will occur only during daylight hours.

8. **Land and shoreline use**

a. What is the current use of the site and adjacent properties?

Currently, the land surrounding the uncontrolled intersection of Currier Creek and the canal water is in irrigated hay production. There are rural residences and their associated outbuildings nearby as well.

b. Has the site been used for agriculture? If so, describe.

Yes, the land adjacent to the project site is currently used to produce hay. Additionally, the irrigation canal provides water to landowners implementing agricultural practices throughout the Kittitas Valley.

c. Describe any structures on the site.

No structures currently exist at the future fish screen site upstream from the canal-creek intersection. A full-spanning concrete sill with wing walls and a center post is located across the creek at the downstream side of the intersection. Boards are inserted at this structure to check up the creek and divert it to the

canal. There is a wooden bridge (farm access) over the canal just west of the intersection. A wooden bridge crosses Currier Creek downstream of the intersection site, providing vehicular access to the intersection and future siphon site. Just upstream of the intersection, there is a telephone line crossing the creek (most of the line is underground, with the exception of the stream crossing). The nearest building (outbuilding) is approximately 450 feet away from the project area and will not be impacted.

d. Will any structures be demolished? If so, what?

The bridge crossing the canal just upstream of the siphon will be removed, and moved to a different location upstream of the project if the buried siphon does not provide adequate space for a farm crossing. The current concrete and wooden check dam will be removed and demolished during implementation of this project to provide better fish passage and return the creek to a more natural state.

e. What is the current zoning classification of the site?

The area is zoned for Agriculture-3 acre minimums. It was recently rezoned from Commercial Agriculture.

f. What is the current comprehensive plan designation of the site?

The comprehensive plan designation for this site is rural.

g. If applicable, what is the current shoreline master program designation of the site?

Currier Creek is not a designated shoreline of the state.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

Most of the project footprint is within the 100-year floodplain. Additionally, wetlands have been identified within the project area (Figure 4).

i. Approximately how many people would reside or work in the completed project?

Occasionally, EWC personnel will visit the site to maintain the facilities, about two times per week during most of the irrigation season (April 1-October 30).

j. Approximately how many people would the completed project displace?

None

k. Proposed measures to avoid or reduce displacement impacts, if any:

Not applicable

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

The proposal has been peer reviewed by local and state regulatory agencies as well as engineers and biologists through the YTAHP technical review group. All necessary permits will be acquired prior to implementation to ensure compliance with land use plans in Kittitas County.

9. **Housing**

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None

c. Proposed measures to reduce or control housing impacts, if any:

Not applicable

10. **Aesthetics**

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

The debris collectors associated with the siphon will be less than two feet above the canal bank. At the screen site, most of the structures will be less than six feet above the stream bank, with the exception being one lighting tower, which would be approximately 20 feet tall, only to be used in the event of a nighttime emergency repair or inspection.

b. What views in the immediate vicinity would be altered or obstructed?

None

c. Proposed measures to reduce or control aesthetic impacts, if any:

Upon completion, Currier Creek will be returned to a more natural condition and native vegetation will be planted along its banks creating a more aesthetic and functional riparian buffer.

11. **Light and glare**

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

The fish screening structures and siphon debris racks may result in some glare during daylight hours. One lighting tower will be added for use during emergency nighttime repairs or inspection at the screen site. The light would be directed down, and they would not be used under normal operating conditions.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No

c. What existing off-site sources of light or glare may affect your proposal?

Not applicable

d. Proposed measures to reduce or control light and glare impacts, if any:

The use of artificial light would be minimal, and only during emergency situations. Impacts from light and glare are not anticipated.

12. **Recreation**

a. What designated and informal recreational opportunities are in the immediate vicinity?

There are no designated recreational opportunities within the project area. Private lands surround the project area, and public access to Currier Creek is limited. There is a small WDFW property upstream of the project location near Currier Creek that was a pheasant release site, providing public access to part of Currier Creek. There may be limited recreational fishing within Currier Creek.

b. Would the proposed project displace any existing recreational uses? If so, describe.

No, this project would not displace any of the current recreational uses or opportunities in Currier Creek.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

The completed project will result in fish passage through the project area. Ultimately, this may result in enhanced fish populations over time, due to increased fish accessibility to valuable tributary habitat. Co-managers in the Yakima Basin believe Currier Creek has the potential to support coho salmon. Salmon runs may increase and enhance recreational use along Currier Creek. However, this project is not designed to provide recreational use opportunities as it is on private property.

13. **Historic and cultural preservation**

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

The diversion structure is eligible to be recorded on the State's Historic Property Inventory Database. It is not eligible for the National Register of Historic Places. Prior to the survey conducted in 2004, there were no records of cultural sites located within the area of potential effect. The surrounding landowner's family has owned the land since the 1850's and there are several historic structures and an old family cemetery near the project area, but would not be impacted by the proposed project.

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

The diversion structure was constructed in the 1930's. The EWC Canal conveys irrigation water in the Kittitas Valley, this canal was important for the agricultural development of the Kittitas Valley.

c. Proposed measures to reduce or control impacts, if any:

A cultural resources survey and report were completed and the diversion structure has been recorded. Construction will be halted and the appropriate authorities will be contacted should any cultural artifacts or remains be discovered during construction.

14. **Transportation**

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

An access road from Reecer Creek Road currently provides access to the canal/creek intersection. The road is accessed through private lands. A new, unimproved access road will be used to access the screen site while minimizing the impact to the wetland and riparian areas.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

No, there is no public transit in the vicinity.

c. How many parking spaces would the completed project have? How many would the project eliminate?

None, not applicable

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

An unimproved road will be used to access the future screening site through private property. The use of a new access road results in the least amount of impact to the riparian and wetland areas. It will be located along the easement to bring power from Reecer Creek Road to the screen site.

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

The project site lies roughly 1.5 miles west of Bower's Field, a small airport owned by Kittitas County. The proposed project will not impact the airport or air travel.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

No additional trips would be generated after the project is complete. The EWC staff or superintendent will access the site in a similar manner and frequency as before the project (0-4 times daily) as conditions dictate, via pickup truck or occasional equipment for canal maintenance.

g. Proposed measures to reduce or control transportation impacts, if any:

None

15. **Public services**

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No

b. Proposed measures to reduce or control direct impacts on public services, if any.

Not applicable

16. **Utilities**

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

A telephone line crosses the creek approximately 100 feet upstream from the diversion structure, but does not serve the site. Electricity is available approximately 1800 feet from the site and will be brought to the screening site to power the automated gate, cleaning system, and water-metering devices.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity, which might be needed.

An electrical line from the nearest power pole (Reecer Creek Road) will be added to serve the screening site. Power will be brought along an easement with the neighboring property, across the edge of a hay field and parallel to the creek to the fish screen site. The siphon site will not require power.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: .....**(Browne)**

Signature: .....**(Scott)**

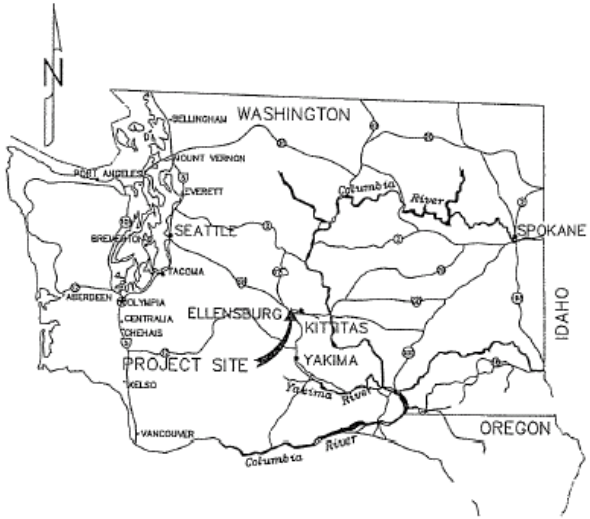
Date Submitted: .....

Attachment A: Design Drawings

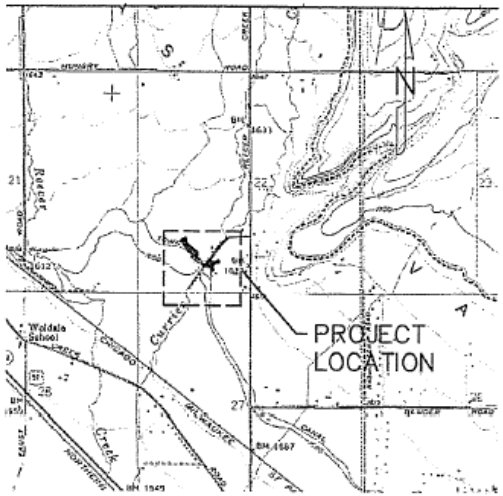
CURRIER CREEK
DIVERSION PROJECT

KITTITAS COUNTY CONSERVATION DISTRICT

JUNE 2007



VICINITY MAP
NO SCALE



LOCATION MAP
SCALE: 1" = 1250'

INDEX

SHT	TITLE
1	DRAWING INDEX & LOCATION MAPS
2	SITE PLAN
3	CREEK PROFILE
4	CANAL PROFILE AND CREEK SECTION
5	PIPE PROFILE
6	DOWNSTREAM ELEVATION DIVERSION STURCTURE
7	ROCK GRADE CONTROL SECTION AND DETAILS

PERMIT DRAWING SET

0 1"
BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

KITTITAS COUNTY CONSERVATION DISTRICT

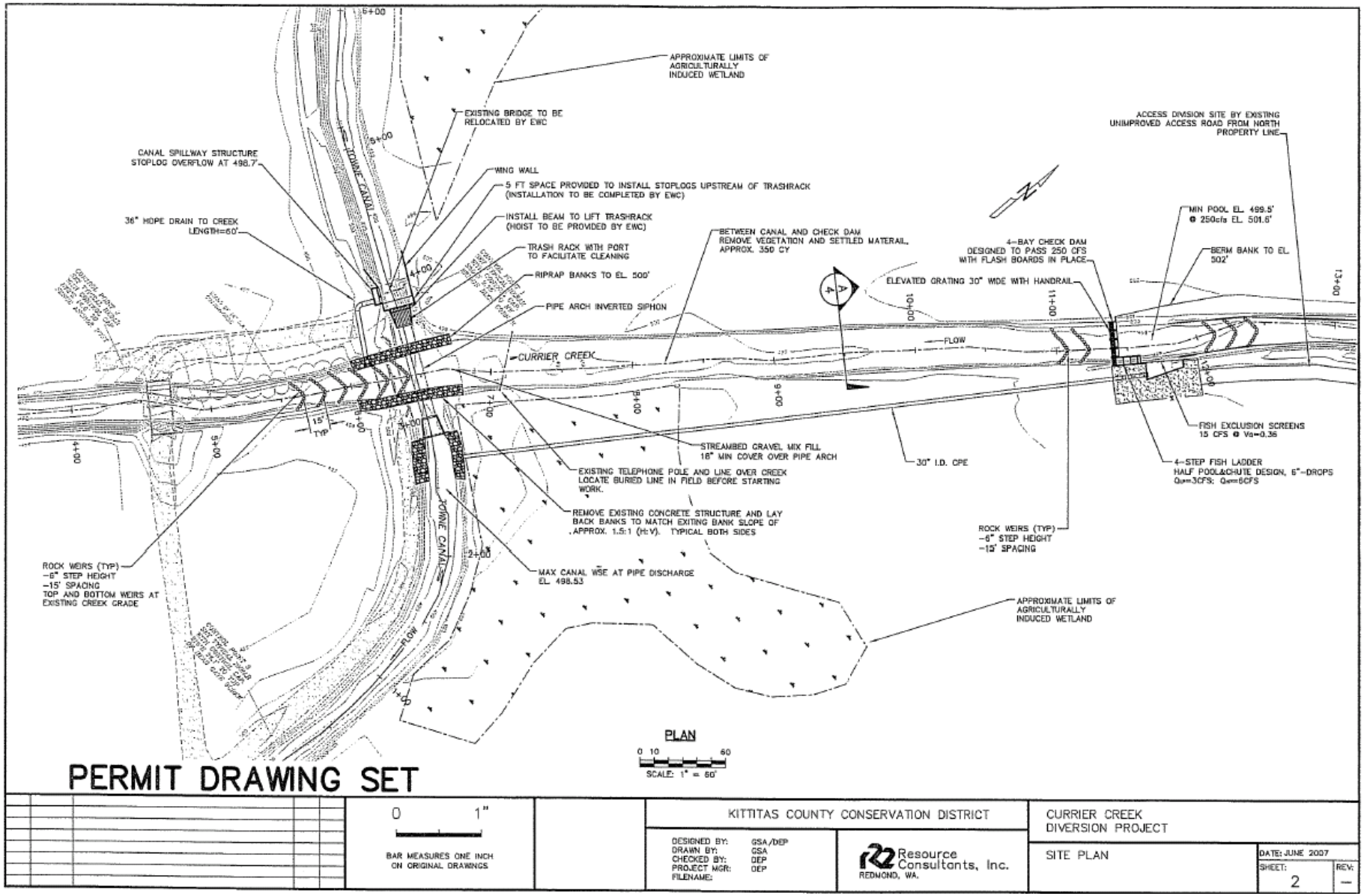
DESIGNED BY: GSA/DEP
DRAWN BY: GSA
CHECKED BY: DEP
PROJECT MGR: DEP
FILENAME:

Resource Consultants, Inc.
REDMOND, WA.

CURRIER CREEK
DIVERSION PROJECT

DRAWING INDEX & LOCATION MAPS

DATE: JUNE 2007
SHEET: 1
REV: —



PERMIT DRAWING SET

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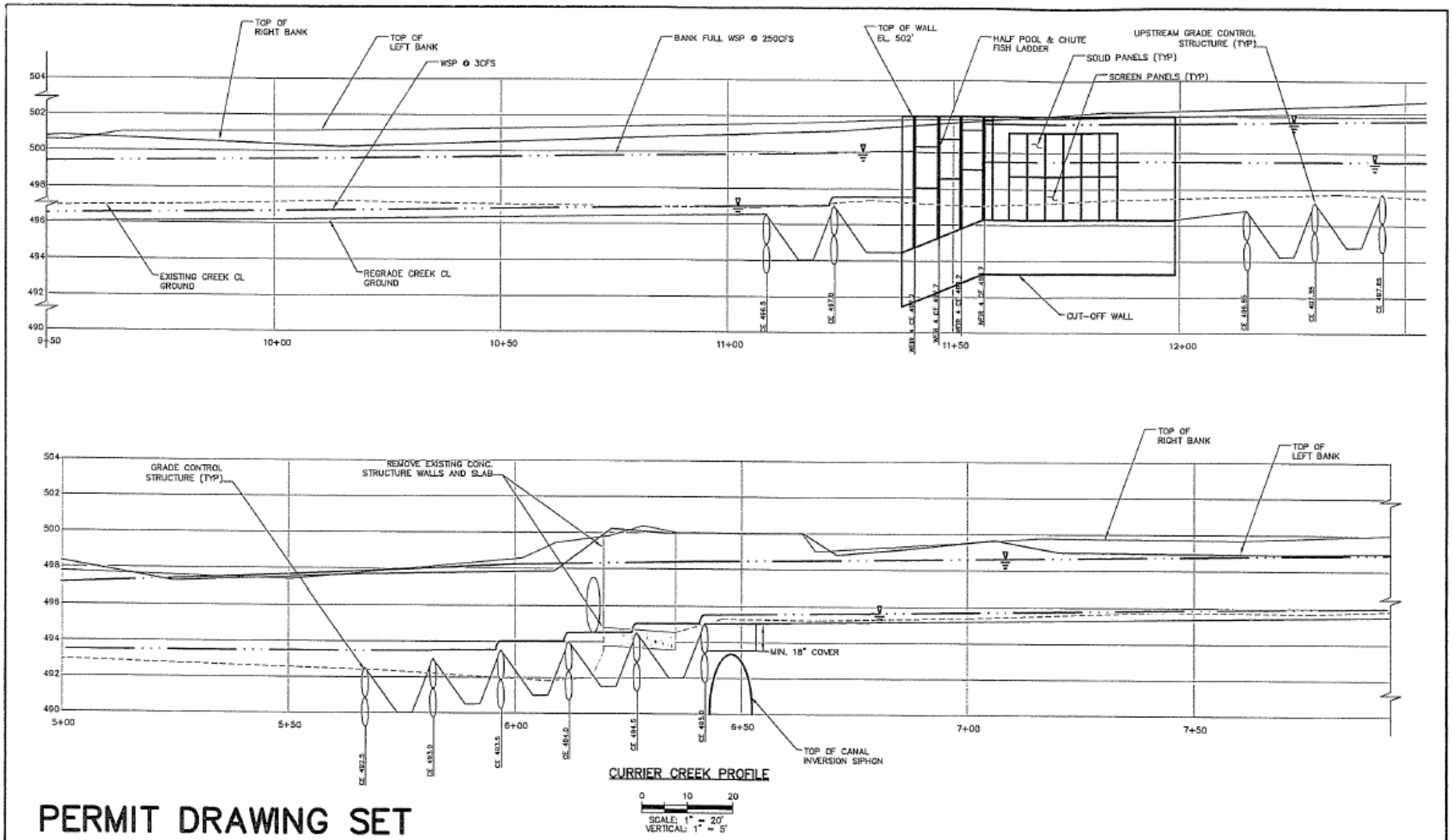

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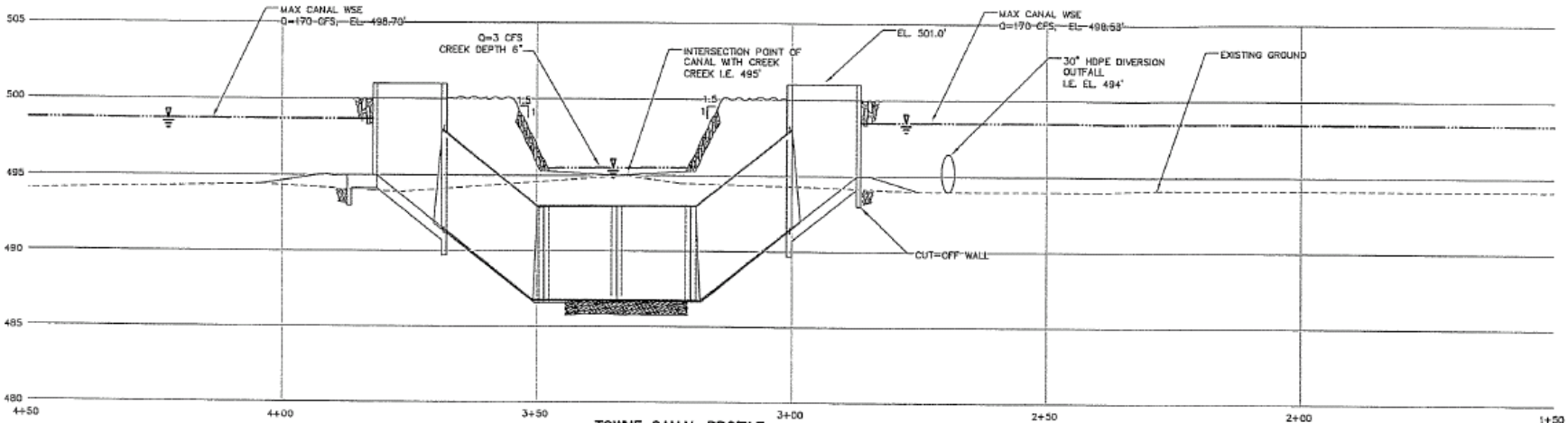
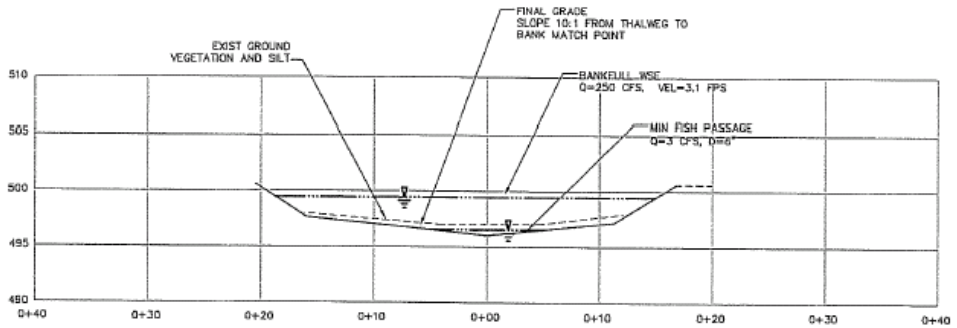


TOWNE CANAL PROFILE

0 10 20

SCALE: 1" = 20'
VERTICAL 1" = 5'



TYPICAL SECTION A/2

0 5 10

SCALE: 1" = 10'

PERMIT DRAWING SET

0 1"

BAR MEASURES ONE INCH
ON ORIGINAL DRAWINGS

KITTITAS COUNTY CONSERVATION DISTRICT

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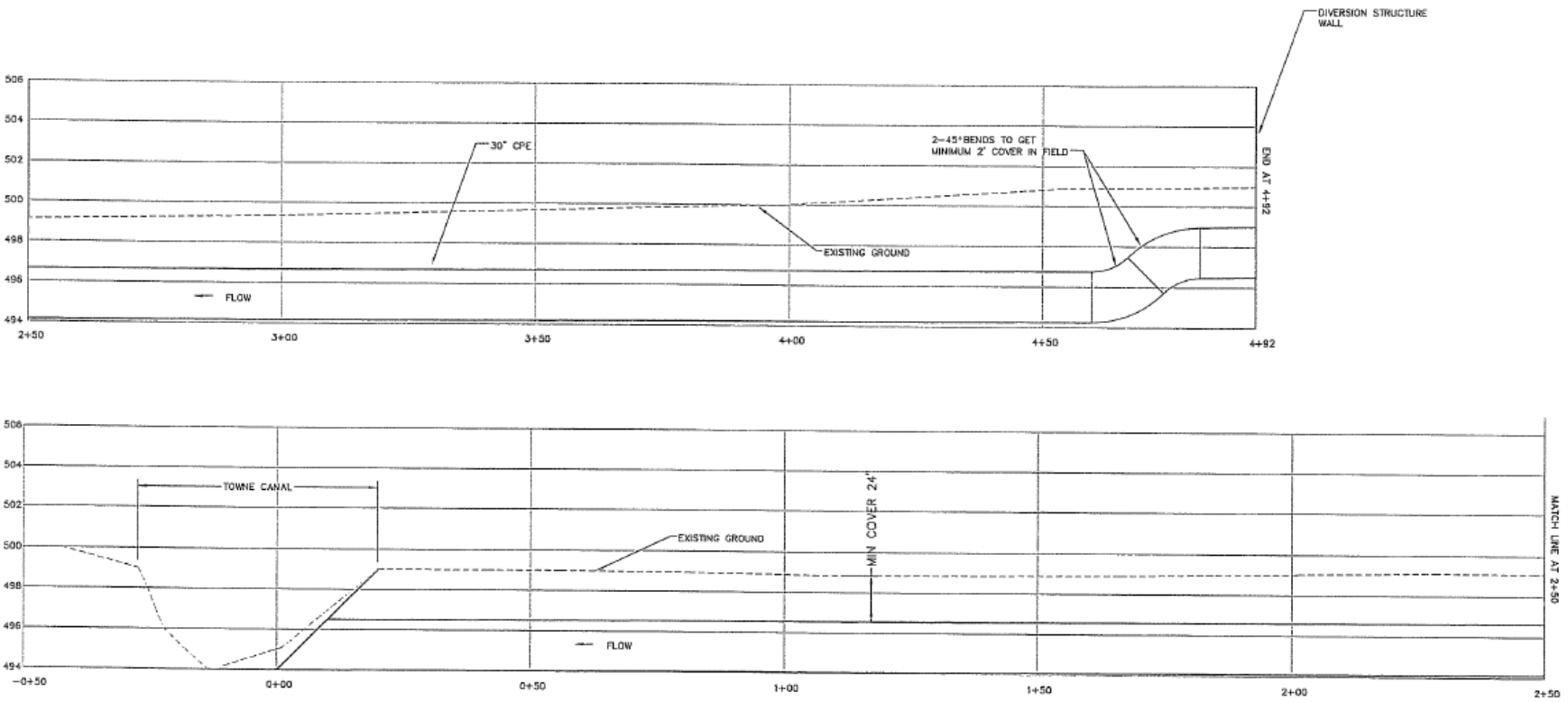
CURRIER CREEK
DIVERSION PROJECT

CANAL PROFILE AND
CREEK SECTION

DATE: JUNE 2007
SHEET: 4
REV: —



30" CPE PROFILE – INTAKE TO TOWNE CANAL

0 10 20
SCALE: 1" = 20'

PERMIT DRAWING SET

0 1"
BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

KITTITAS COUNTY CONSERVATION DISTRICT

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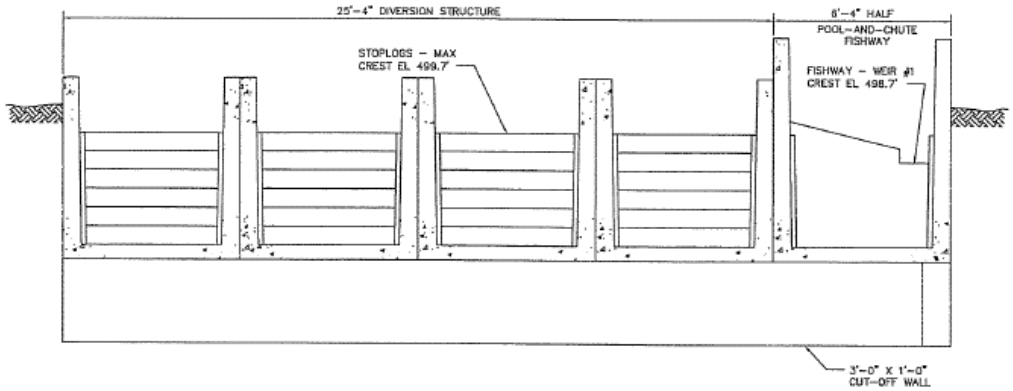
CURRIER CREEK DIVERSION PROJECT

PIPE PROFILE

DATE: JUNE 2007
SHEET: 5
REV: –

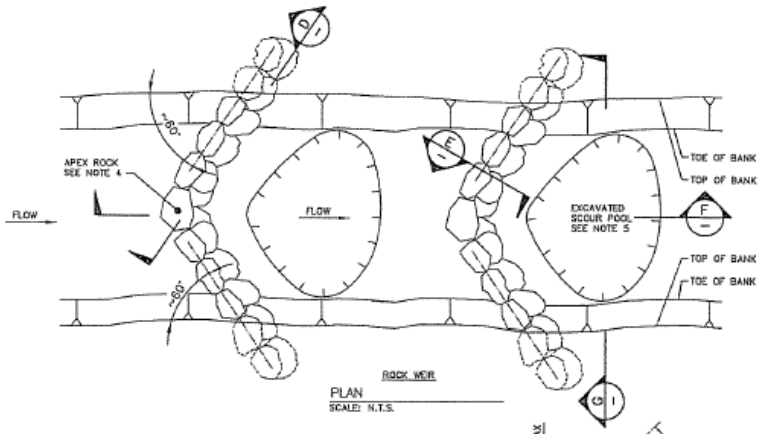


DOWNSTREAM ELEVATION OF DIVERSION DAM AND FISH LADDER

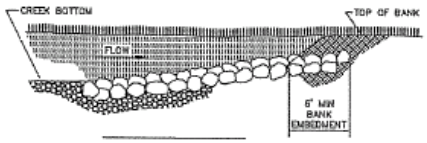
0 1' 2' 4'
SCALE: 1/4" = 1'-0"

PERMIT DRAWING SET

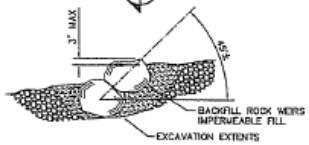
	0 1" BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS		KITTITAS COUNTY CONSERVATION DISTRICT DESIGNED BY: GSA/DEP DRAWN BY: GSA CHECKED BY: DEP PROJECT MGR: DEP FILENAME:	Resource Consultants, Inc. REDMOND, WA.	CURRIER CREEK DIVERSION PROJECT DOWNSTREAM ELEVATION DIVERSION STRUCTURE DATE: JUNE 2007 SHEET: 6 REV: —



PLAN
SCALE: N.T.S.



TYPICAL SECTION D
SCALE: N.T.S.



TYPICAL SECTION E
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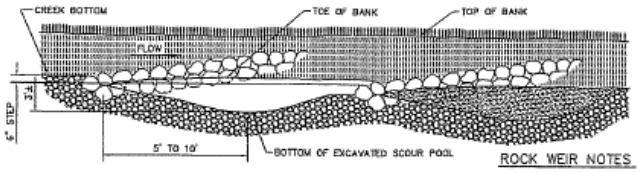

TYPICAL SECTION F
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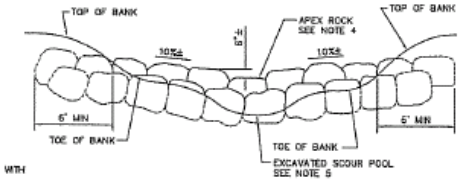

TYPICAL SECTION G
SCALE: N.T.S.

ROCK WEIR NOTES

1. MIN. 3' DIA. ROCK FOR ALL ROCK WEIRS.
2. 6" MIN. BANK EMBEDMENT AS MEASURED FROM TOP OF ROCKS FOR ALL ROCK WEIRS.
3. LARGEST ROCKS SHALL BE USED FOR ROCKS NEAR APEX OF WEIR.
4. APEX ROCK:
   - SET CREST 6"± BELOW ADJACENT ROCKS
   - ROCK WEIR CREST ELEVATIONS REFER TO TOP OF APEX ROCK
   - CREEK STATIONING LOCATIONS OF ROCK WEIRS REFER TO APEX ROCK
5. EXCAVATED SCOUR POOL:
   - BOTTOM OF POOL 3'± BELOW APEX CREST
   - BOTTOM OF POOL 5' TO 10' DOWNSTREAM OF APEX ROCK
6. ROCKS SHALL BE SET TO MINIMIZE GAPS & PROVIDE A CONTINUOUS CREST.

PERMIT DRAWING SET

0 1"

BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS

KITTITAS COUNTY CONSERVATION DISTRICT

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REDMOND, WA.

CURRIER CREEK DIVERSION PROJECT

ROCK GRADE CONTROL SECTION AND DETAILS

DATE: JUNE 2007
SHEET: 7
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