US Army Corps of Engineers
Seattle District

WASHINGTON STATE DEPARTMENT OF ECOLOGY

Joint Public Notice

Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification and/or Coastal Zone Management Consistency Concurrence

US Army Corps of Engineers
Regulatory Branch
Post Office Box 3755
Seattle, WA 98124-3755
Telephone (206) 764-6960
Attn: Olivia Romano, Project Manager

WA Department of Ecology
SEA Program
300 Desmond Drive Southeast
Olympia, WA 98503-7600
Telephone (360) 407-6068
Attn: SEA Program, Federal Permit Coordinator

Public Notice Date: April 9, 2007
Expiration Date: May 8, 2007

Reference No.: NWS-2007-388-SO
Name: Northwest Pipeline Corporation

Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps) and the Washington Department of Ecology (Ecology) have received an application to perform work in waters of the United States as described below and shown on the enclosed drawings.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA). Ecology will review the work pursuant to Section 401 of the CWA, with applicable provisions of State water pollution control laws and the Coastal Zone Management Act.

APPLICANT: Northwest Pipeline Corporation
2800 Post Oak Boulevard
Houston, Texas 77056
ATTN: Michael C. Aubele
Telephone: (713) 215-2676

AGENT: Edge Environmental, Inc
405 Urban Street, Suite 310
Lakewood, Colorado 80228
ATTN: Mary Bloomstran
Telephone: (303) 988-8844

LOCATION: In Toutle River, off Interstate 5, Exit 52, near Castle Rock, Cowlitz County.

WORK: Installation of about 1700 linear feet of bank protection including eight bendway weir structures, rock armor road, and large woody debris (LWD). The work will consist of the placement of 27,750 cubic yards of rock. The proposed weir structures will be orientated to direct flows away form the bank. Due to the bank height (over 70 feet) at proposed structures S4, S5, and S6, a rock armor road/bank armor is proposed to both provide access to the proposed locations of these structures and to protect against flood flows eroding the base of these structures. LWD will be incorporated into the rock armor road/bank armor between structures S4, S5 and S6. Additional LWD will be buried into the bank adjacent to structures S3, S7 and S8. The proposed weir structures will be integrated with existing rock structures installed in the river bank (above the ordinary high water line) during the emergency flood response work done in December 2006. The proposed structures are expected to deform to some extent over time as scour and erosion occurs around the tips and perimeter of the individual structures.

PURPOSE: The proposed project will stabilize the bank to prevent continued migration of the river channel toward the bypass natural gas pipelines installed in December 2006 as part of the emergency flood response work.

ENDANGERED SPECIES: The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. After receipt of comments from this public notice, the Corps will evaluate the potential impacts to proposed and/or listed species and their designated critical habitat.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact EFH in the project area. If the Corps determines that the proposed action may adversely affect EFH for federally managed fisheries in Washington waters, the Corps will initiate EFH consultation with the NMFS. The Corps' final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

CULTURAL RESOURCES: The District Engineer has reviewed the latest published version of the National Register of Historic Places, lists of properties determined eligible and other sources of information. There are no recorded historic properties within the permit area. The proposed work is of such a limited nature and extent that little likelihood exists for the project to impinge upon an unrecorded historic property. The District Engineer invites responses to this public notice from Native American Nations or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns with historic properties in the area. This public notice initiates consultation under Section 106 of the National Historic Preservation Act with any Tribe that has information or concerns with historic properties in the proposed permit area.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

EVALUATION – CORPS - The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternative analysis for any proposed discharge of dredged or fill material into waters of the United States.

EVALUATION—ECOLOGY: Ecology is soliciting comments from the public; Federal, Native American Nations or tribal governments, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Ecology will be considering all comments to determine whether to certify or deny certification for the proposed project.

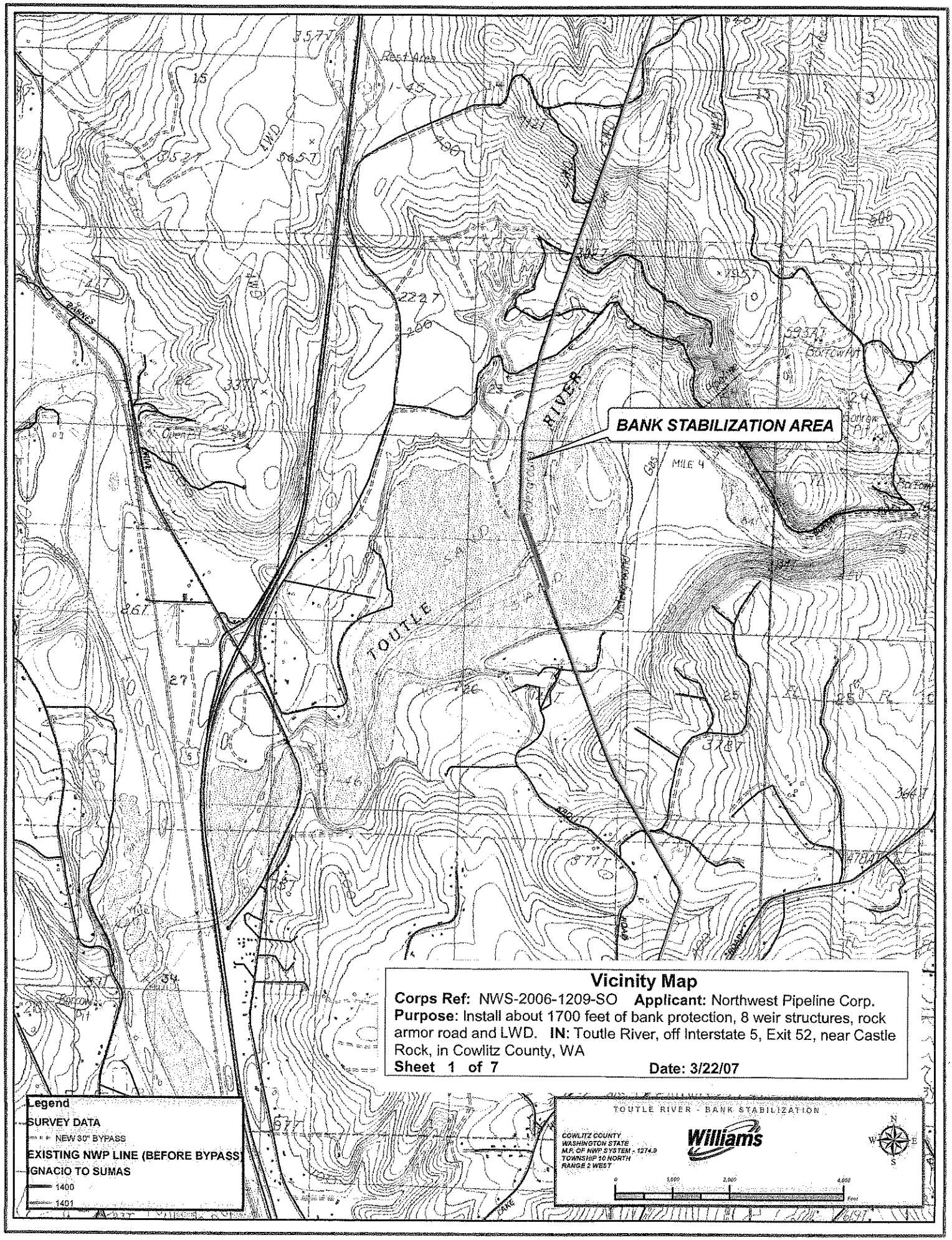
COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commentor's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration.

Corps comments: All e-mail comments should be sent to Olivia.H.Romano@usace.army.mil. Conventional mail comments should be sent to U.S. Army Corps of Engineers, Regulatory Branch, Attn: Olivia Romano, Post Office Box 3755, Seattle, Washington 98124-3755.

Ecology Comments: Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA, may do so by submitting written comments to the following address: Department of Ecology, Attn: SEA program – Federal Permit Coordinator, Post Office Box 47600, Olympia, Washington 98503-7600, or e-mail to ecyfedpermit@ecy.wa.gov

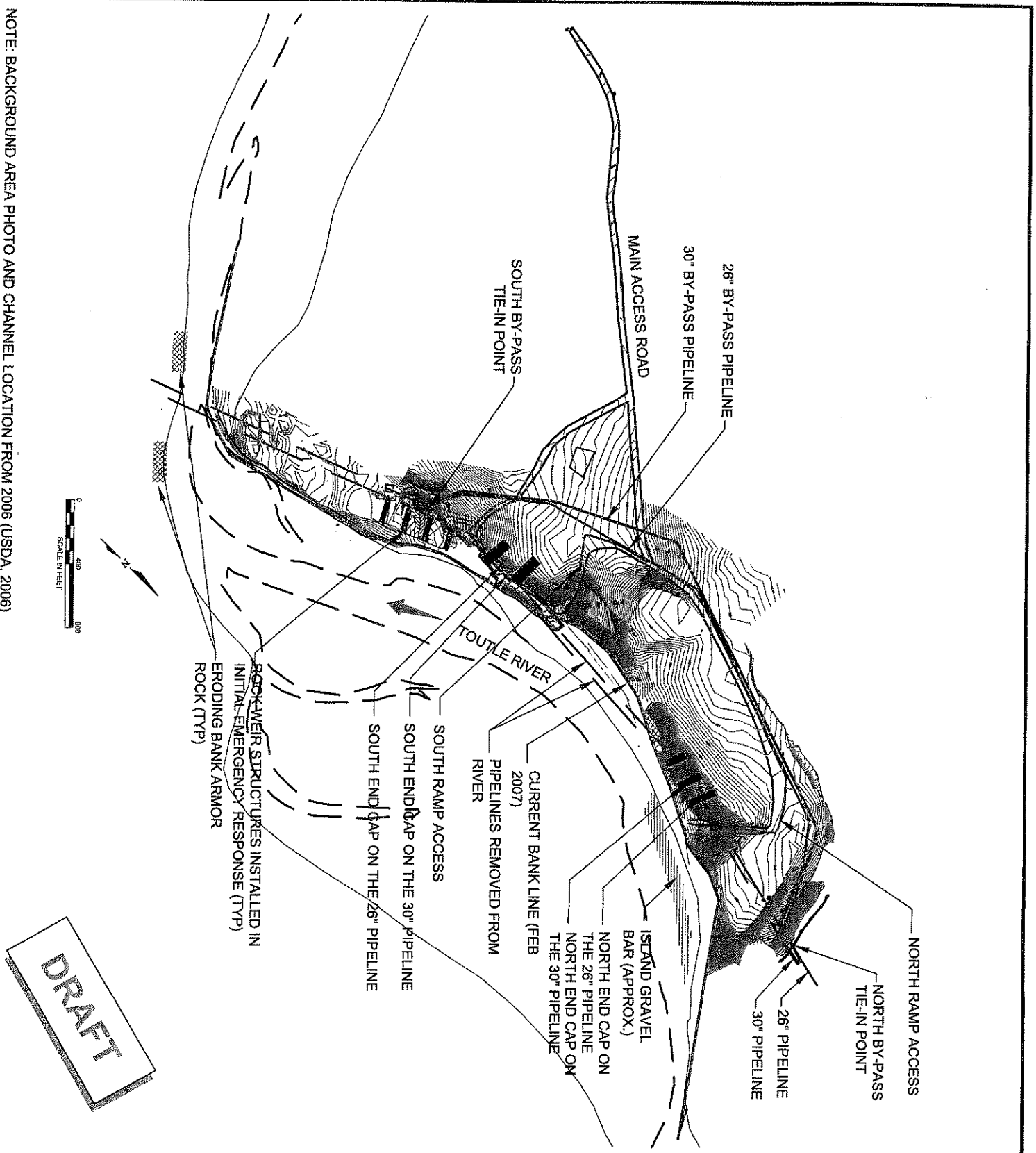
To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: Northwest Pipeline Corporation; NWS-2007-388-SO

Encl: Figures 7



Vicinity Map

Corps Ref: NWS-2006-1209-SO **Applicant:** Northwest Pipeline Corp.
Purpose: Install about 1700 feet of bank protection, 8 weir structures, rock armor road and LWD. **IN:** Toutle River, off Interstate 5, Exit 52, near Castle Rock, in Cowlitz County, WA
Sheet 1 of 7 **Date: 3/22/07**



NOTE: BACKGROUND AREA PHOTO AND CHANNEL LOCATION FROM 2006 (USDA, 2006)

TITLE

Existing Site Plan View

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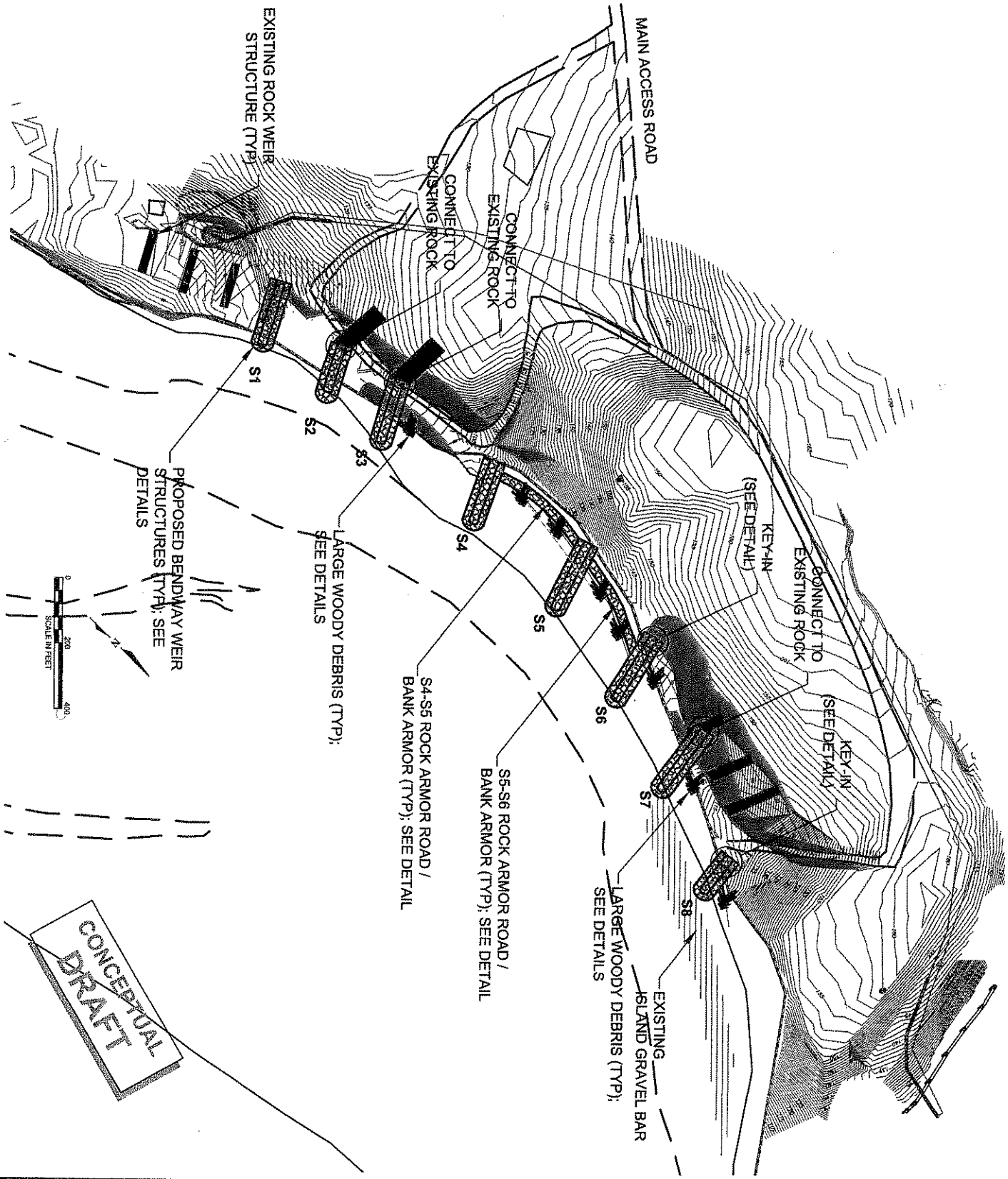
Sheet 2 of 7 **Date: 3/22/07**

PROJECT No.	063--1389
FILE No.	0631389000D01
REV. 0 SCALE	AS SHOWN
DESIGN	AQK 03/22/07
CADD	ACF 03/22/07
CHECK	AQK 03/22/07
REVIEW	MLB 03/22/07

2100

Golder Associates
GOLDER ASSOCIATES INC.
18300 NE UNION HILL ROAD, SUITE 200
REDMOND, WA USA 98052-3333
TEL: (425) 883-0777
FAX: (425) 882-5498



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2200

Short Term Erosion Protection Plan View

Corps Ref: NWS-2006-1209-SO **Applicant:** Northwest Pipeline Corp.
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Sheet 3 of 7 **Date: 3/22/07**

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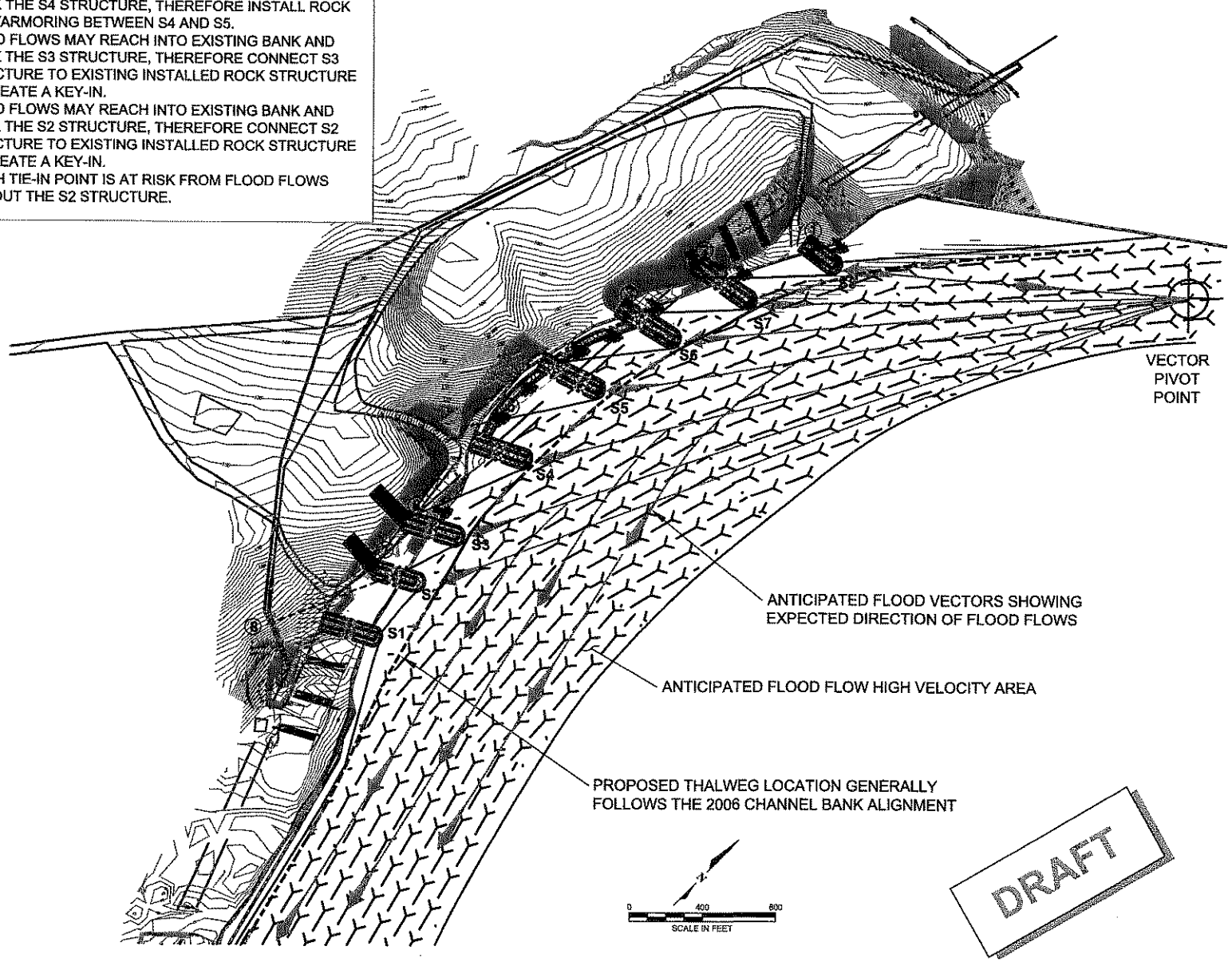
NOTES:

1. KEY S8 MIN 25-FT INTO EXISTING BANK
2. FLOOD FLOWS MAY REACH INTO EXISTING BANK AND FLANK THE S7 STRUCTURE, THEREFORE CONNECT S7 STRUCTURE TO EXISTING INSTALLED ROCK STRUCTURE(S) TO CREATE A KEY-IN.
3. KEY S6 MIN. 25-FT INTO EXISTING BANK.
4. FLOOD FLOWS MAY REACH INTO EXISTING BANK AND FLANK THE S5 STRUCTURE, THEREFORE INSTALL ROCK ROAD/ARMORING BETWEEN S5 AND S6.
5. FLOOD FLOWS MAY REACH INTO EXISTING BANK AND FLANK THE S4 STRUCTURE, THEREFORE INSTALL ROCK ROAD/ARMORING BETWEEN S4 AND S5.
6. FLOOD FLOWS MAY REACH INTO EXISTING BANK AND FLANK THE S3 STRUCTURE, THEREFORE CONNECT S3 STRUCTURE TO EXISTING INSTALLED ROCK STRUCTURE TO CREATE A KEY-IN.
7. FLOOD FLOWS MAY REACH INTO EXISTING BANK AND FLANK THE S2 STRUCTURE, THEREFORE CONNECT S2 STRUCTURE TO EXISTING INSTALLED ROCK STRUCTURE TO CREATE A KEY-IN.
8. SOUTH TIE-IN POINT IS AT RISK FROM FLOOD FLOWS WITHOUT THE S2 STRUCTURE.



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Channel Thalweg and Flood Vectors

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Sheet 4 of 7 **Date: 3/22/07**

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CHECK	AQK	03/22/07
REVIEW	MLB	03/22/07

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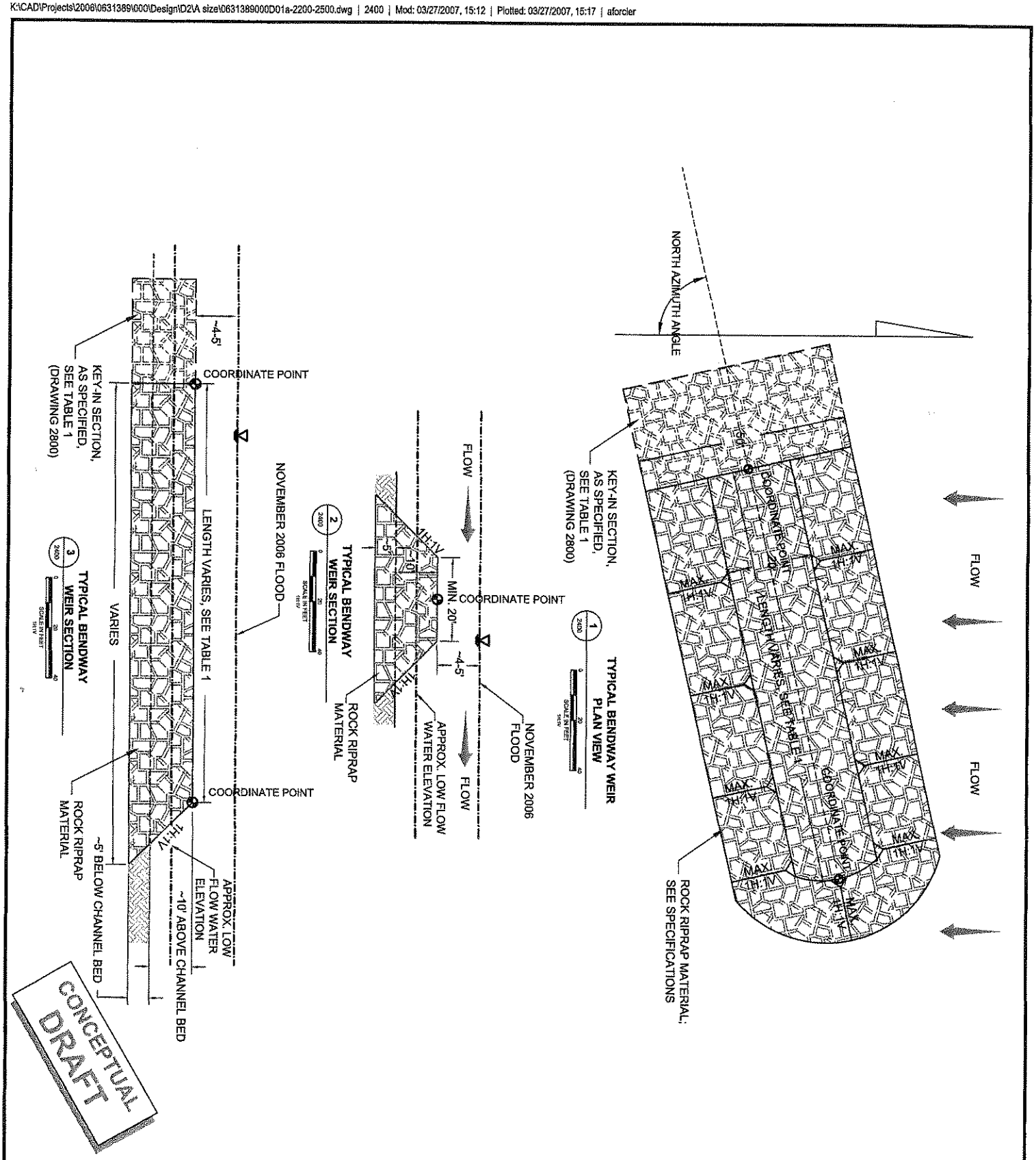

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FILE No.	0631389000D01
REV. 0 SCALE	AS SHOWN
DESIGN	ADK 03/22/07
CADD	ACF 03/22/07
CHECK	ADK 03/22/07
REVIEW	MLB 03/22/07

2400

Short Term Erosion Protection Details

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Purpose: Install about 1700 feet of bank protection, 8 weir structures, rock armor road and LWD. **IN:** Toutle River, off Interstate 5, Exit 52, near Castle Rock, in Cowlitz County, WA

Sheet 5 of 7 **Date: 3/22/07**

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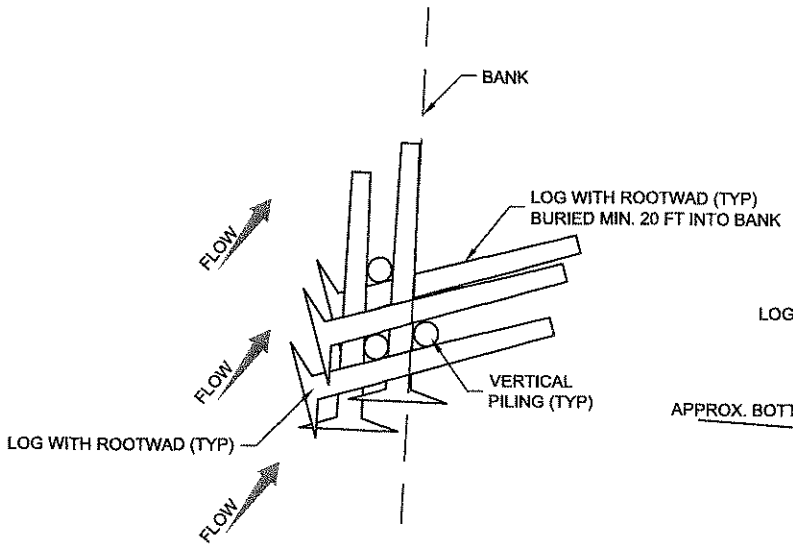
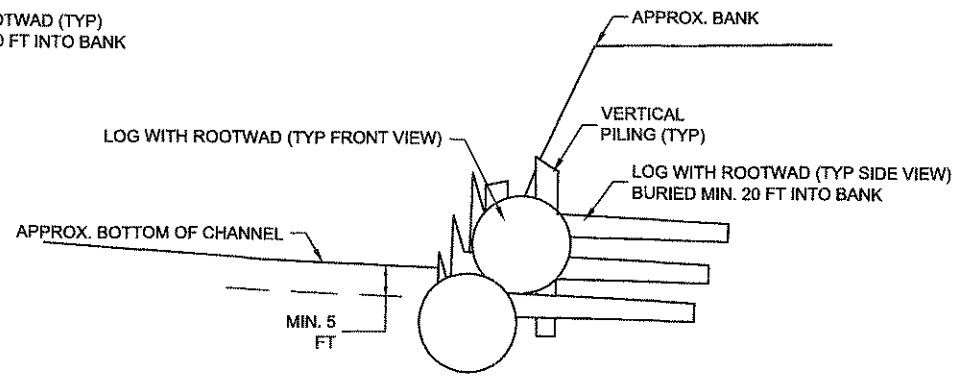


1 2500 **TYPICAL LARGE WOODY DEBRIS PLAN VIEW**

0 15 30
SCALE IN FEET
1H:1V



2 2500 **TYPICAL LARGE WOODY DEBRIS SECTION**

0 15 30
SCALE IN FEET
1H:1V

CONCEPTUAL DRAFT

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Large Woody Debris Details

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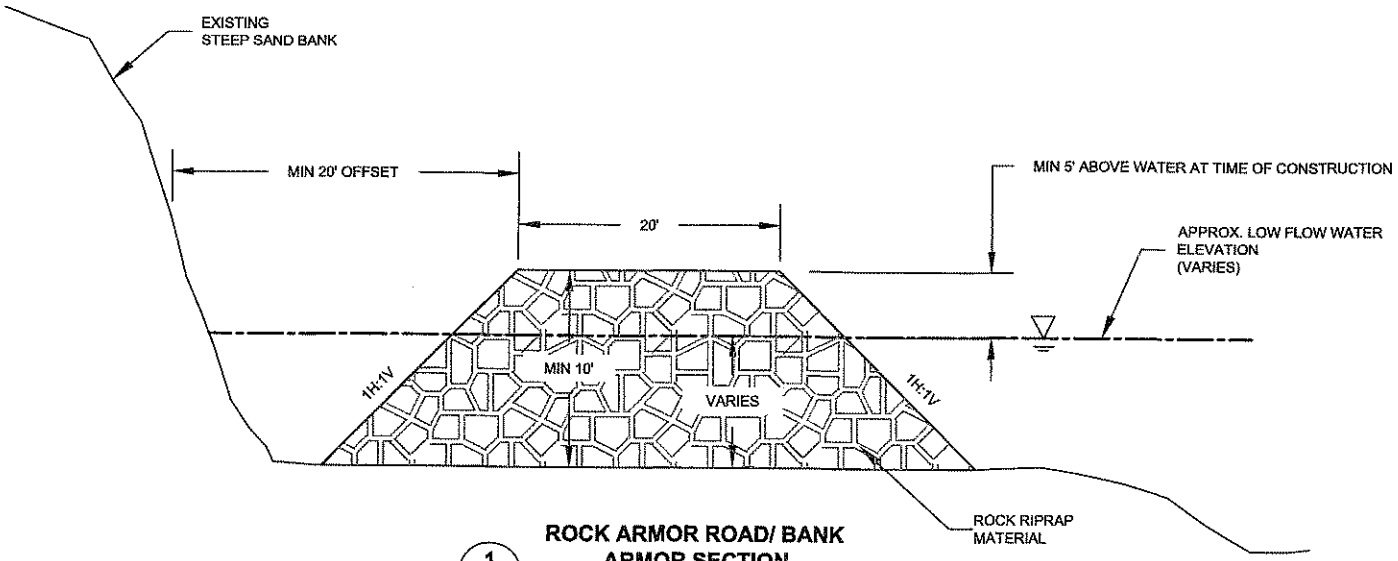
TABLE 1: WEIR CONSTRUCTION DETAILS

Weir No.	Coordinate Points				Length (ft)	Key In Details	Top Width (ft)	Side Slopes	N-Azimuth (Degrees)	Height (ft)	Emergency Implementation Priority
	Tip		Tail								
	X1	Y1	X2	Y2							
S1	1035993	372914.6	1035846	372834.8	150	Connect to existing	20	1H:1V	62	15	5
S2	1035971	373101.7	1035850	373036.3	110	Connect to existing	20	1H:1V	61	15	4
S3	1035958	373266.1	1035811	373186.3	150	Connect to existing	20	1H:1V	61	15	1
S4	1035938	373543	1035788	373469	150	Bank armoring	20	1H:1V	64	15	8
S5	1035942	373812.9	1035766	373754.2	170	Bank armoring	20	1H:1V	72	15	7
S6	1035991	1035991	1035812	374013	170	25 ft	20	1H:1V	76	15	3
S7	1036063	374275.1	1035878	374246.1	170	Connect to existing	20	1H:1V	81	15	6
S8	1036158	374508.3	1036043	374492.2	100	25 ft	20	1H:1V	82	15	2



1
2600

ROCK ARMOR ROAD/ BANK ARMOR SECTION

0 10 20
SCALE IN FEET
1H:1V

DRAFT

NOTE: THIS STRUCTURE WILL SERVE AS BOTH AN ACCESS ROAD AND BANK ARMORING.

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Weir Construction Details

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