



US Army Corps
of Engineers
Seattle District



WASHINGTON STATE
DEPARTMENT OF
E C O L O G Y

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) 764-6071
Attn: David L. Shaeffer,
Project Manager

WA Department of Ecology
SEA Program
Post Office Box 47600
Olympia, WA 98504-7600
Telephone: (360) 407-6068
Attn: SEA Program, Federal Permit
Coordinator

Public Notice Date: July 26, 2012
Expiration Date: August 25, 2012

Reference No.: NWS-2011-1090
Name: Orting, City of

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 dated 14 June 2012.

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: City of Orting
110 Train Street Southeast
Orting, Washington 98360
Attention: Mr. Mark Bethune
Telephone: (360) 893-2219

AGENT: Parametrix, Incorporated
700 Northeast Multnomah, Suite 100
Portland, Oregon 97232
Attention: Mr. Shane Phelps
Telephone: (503) 416-6123

LOCATION: In wetlands and streams adjacent to the Puyallup River from river mile (RM) 19.3 to 21.3 in Orting, Pierce County, Washington.

WORK: The applicant proposes to place 55,246 cubic yards of fill material in 7.51 acres of wetlands and stream and temporarily impact by means of mechanized land clearing and excavation 1.23 acres of wetlands and stream to facilitate the construction of an 8,310 linear foot setback levee. The setback levee would be constructed in two phases for funding reasons.

Phase I: Phase I would involve the removal of the existing levee along the Phase I corridor (See Sheet 4), the construction of the upstream 4,210 feet of the setback levee, and the construction of a temporary 840 feet long levee

section that transitions the setback levee to the existing levee in the vicinity of RM 20.5. The levee stub would be removed during Phase II, with materials relocated to construct part of the Phase II levee section.

The existing levee would be removed down to approximately the 2-year flood event water surface elevation. Existing riprap on the levee would be removed to within 1 foot of the river water surface. Vegetation removed during levee removal and setback levee site preparation would be stockpiled to use for the construction of habitat structures associated with the setback levee construction. A 300-foot-long levee stub would be retained on the north side of the Calistoga Bridge (See Sheet 4). This retained portion of the existing levee would function to protect the bridge abutment, provide additional storage for stormwater, and provide additional habitat benefits as a low-velocity backwater area. Additionally, 1,000 linear feet of the existing levee would be left in place to create two islands to increase riparian habitat complexity (See Sheet 4). Riverbank riprap on the islands would be removed and "Apex" style engineered log jams would be constructed at the upstream end of each island. These islands would mimic existing log jams/vegetated sandbars found elsewhere in the river. Untreated wood log piles, boulders, threaded steel rods, and stainless steel cables would be used to anchor and secure the engineered log jams.

As part of Phase I, three fish passable culverts would be installed in the vicinity of the Calistoga Bridge (see Sheet 5). One of the culverts is existing and would be replaced, one would be part of the new setback levee, and one would be part of an access easement to the retained portion of the existing levee in the vicinity of the Calistoga Bridge. These culverts would convey flows to the river from a 54-acre riparian area located upstream from the project area that is currently disconnected from the Puyallup River. One of the culverts would have a manual flood gate to prevent backwatering from the river during flood events. The flood gate would close during flooding and flows from the unnamed stream would bypass along a channel behind the setback levee and discharge to the Puyallup River through a culvert at RM 19.9 (See Sheet 8 for a typical bypass section).

Phase I is expected to reconnect approximately 29 acres of floodplain, including approximately 19.9 acres of wetlands, to the Puyallup River.

Phase II: Phase II would involve the removal of the existing levee along the Phase II corridor, the construction of the remaining 4,100 feet of levee, and the removal of the temporary levee section constructed during Phase I. Phase II is expect to reconnect approximately 17 acres of floodplain, including approximately 2.1 acres of wetland, to the Puyallup River

Velocity deflectors would be installed during both phases and would be similar to bendway weirs. The exact location and need for these structures would be determined by the construction contractor. Installation would be conducted from the top of the existing levee with an excavator. These structures redirect the velocity gradient into the main channel and away from the bank and work zone. After the toe rock and facing is completed, the bendway weirs would be removed.

Roughened wood structures would be constructed along the new levee by driving or augering untreated wood piles vertically into the ground on the riverward side of the toe armor. Logs, some with root balls, removed from on-site as part of project construction would be connected to these piles and secured with stainless steel cables, threaded rods, boulders, and soil anchors.

PURPOSE: The project purpose, as stated by the applicant, is to re-establish natural riverine processes of the Puyallup River within the floodplain, thereby restoring historic salmonid habitat and to improve flood protection to City of Orting residents. Although the existing levee was built for flood protection, it does not provide adequate flood protection for the type of development that now exists, and the City has experienced severe flood events several times in the last few years. Because the existing levee is not accredited by the Federal Emergency Management Agency, the City and its citizens are subject to paying higher flood insurance premiums under the National Flood Insurance Program. The new levee would be constructed at least 3 feet higher than the 100-year

flood water surface elevation (as predicted by project-specific river modeling) with the intention of obtaining U.S. Army Corps of Engineers levee certification equivalence that would result in reduced rates for flood insurance and potentially eliminate the need for flood insurance by mortgage lenders. The new levee would protect two schools and approximately 1,100 homes within the City of Orting. Protection would also be provided to both State Route 162 and Calistoga Street West, providing service to approximately 15,000 vehicles daily. These two major arterials provide transportation into and out of Orting and serve as the two major routes for evacuations in the event of a lahar flow from Mt. Rainier.

MITIGATION: A mitigation plan is being developed by the applicant to address impacts to waters of the United States. Conceptually, the mitigation plan will propose to re-habilitate approximately 22 acres of existing palustrine wetlands in the vicinity of the project area to riverine influence. The wetlands would be planted with an appropriate mix of native species to achieve a target habitat of gallery cottonwood forest, typical of riparian zones within this region before levees were constructed to constrain the floodplain. The unnamed tributary to the Puyallup River would be reconnected to the floodplain, and a typical riparian community will be planted along the riparian zone of the un-named tributary. The reestablished riparian floodplain would also be replanted to encourage establishment of a native cottonwood forest. In total, 22 acres of wetlands and 24 acres of floodplain area, currently behind the levee, would be restored to the natural processes of the Puyallup River.

The proposed setback levee would directly and indirectly impact two mitigation sites owned and maintained by the City of Orting. These impacts will be addressed in the draft mitigation proposal. The draft mitigation plan is anticipated to be submitted to the Corps during the summer of 2012.

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 the 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. The National Marine Fisheries Service, as the lead agency for ESA consultation, will consult with the NMFS and/or the USFWS as required under Section 7 of the ESA.

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. The National Marine Fisheries Service, as the lead agency for a determination regarding EFH, will consult with the National Marine Fisheries Services if necessary.

CULTURAL RESOURCES: The National Marine Fisheries Service, as the lead agency for determining compliance with Section 106 of the National Historic Preservation Act, will consult with the State Historic Preservation Officer and Native American Tribes as appropriate.

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 alternatives 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.

ADDITIONAL EVALUATION: This proposal is the subject to the Shorelines Substantial Development Permit process.

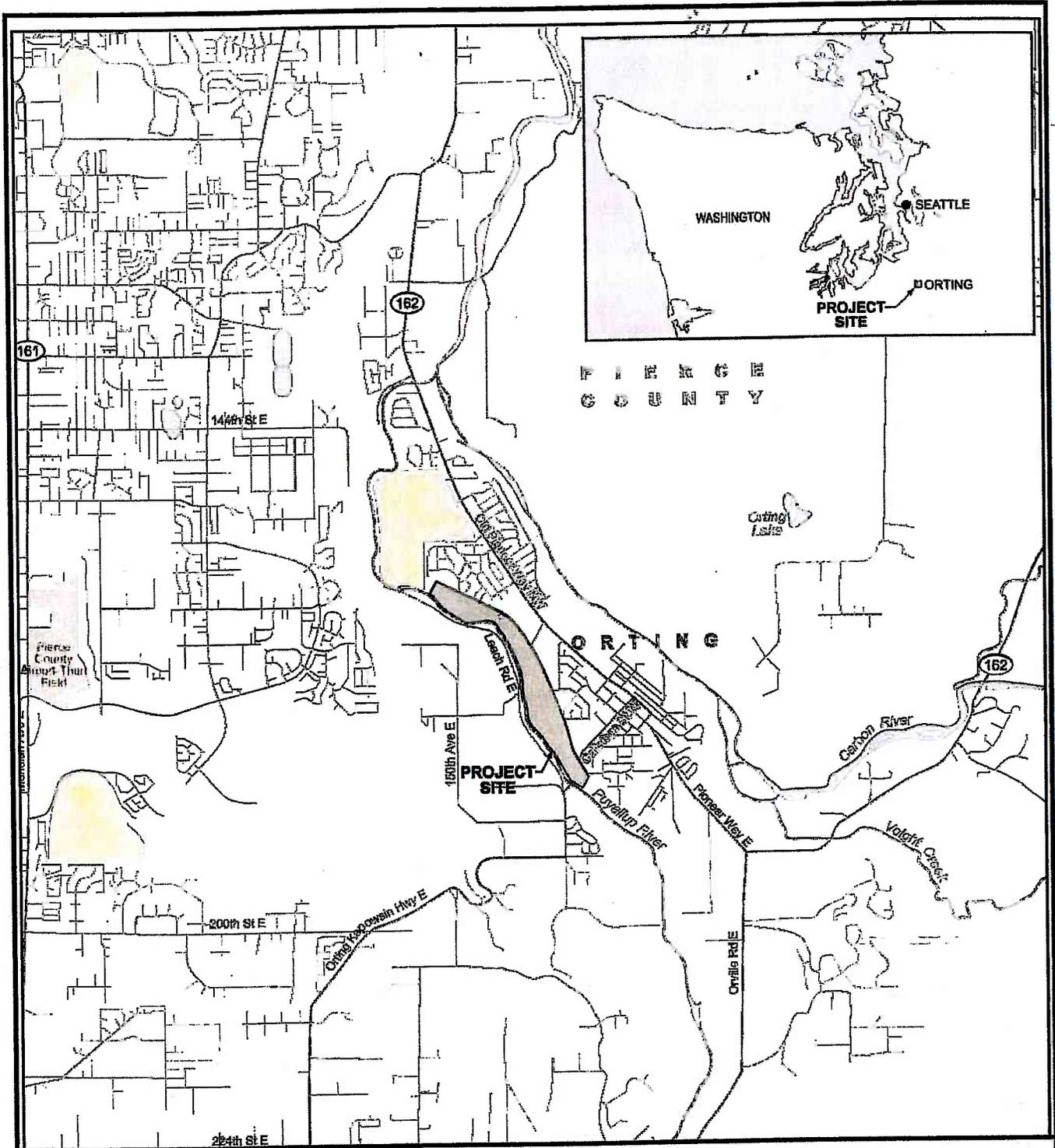
COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from 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 commentator'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: david.l.shaeffer@usace.army.mil. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch; Attention: Mr. David L. Shaeffer, P.O. 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 and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Washington State Department of Ecology, Attention: SEA program – Federal Permit Coordinator, P.O. Box 47600, Olympia, Washington 98504-7600, or e-mail to: ecyrefedpermits@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: Orting, City of; NWS-2011-1090

Encl: Figures (8)



REFERENCE NUMBER: NWS-2011-1090

APPLICANT NAME: City of Orting

ADJACENT PROPERTY OWNERS:

- 1. City of Orting
- 2. Orting School District
- 3. Pierce County
- 4. Puget Sound Energy
- 5. Wang
- 6. American Concrete Inc.

PROJECT LOCATION:

Puyallup River East Bank (RM 19.8 to 21.3)

S 30-31, T 19 N, R 05 E, W.M.

LAT/LONG: 47.10N/122.21W

DATUM: NAVD 88

SHEET 1 OF 8

DATE: June 14, 2012

PROPOSED PROJECT:

Callstoga Setback Levee

IN: Puyallup River

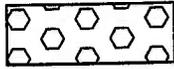
NEAR/AT: Orting

COUNTY: Pierce

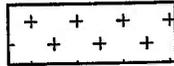
STATE: WA



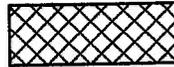
LEGEND



Category II Wetland



Category III Wetland



Existing Wetland Mitigation Area



**Setback Levee Footprint
(Includes Stormwater Ditch Extents)**



Permanent Wetland Impact



Temporary Wetland Impact



Setback Levee Alignment



Construction Limits



In-Water Fill



Right of Way/Property Line



Ordinary High Water Mark



Floodplain Roughness LWD



Log Spur



Apex Jam



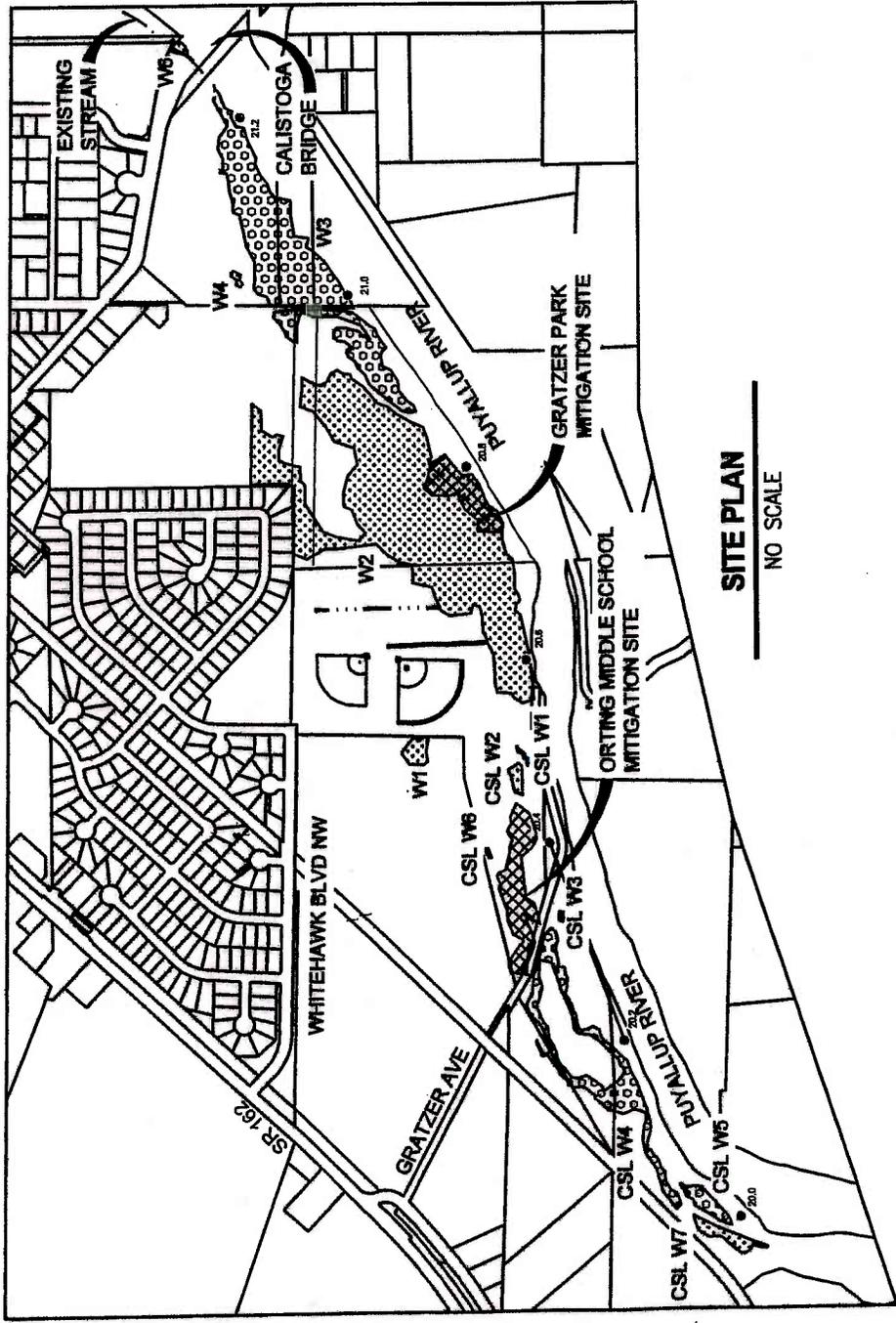
Bank Roughening Jam



**Temporary Velocity Deflector
(Deflectors will be field located by the Contractor
under direction of the Project Engineer)**

LEGEND

-  Category II Wetland
-  Category III Wetland
-  Jurisdictional Ditch 2
-  Mitigation Site
-  River Mile Marker



SITE PLAN
NO SCALE

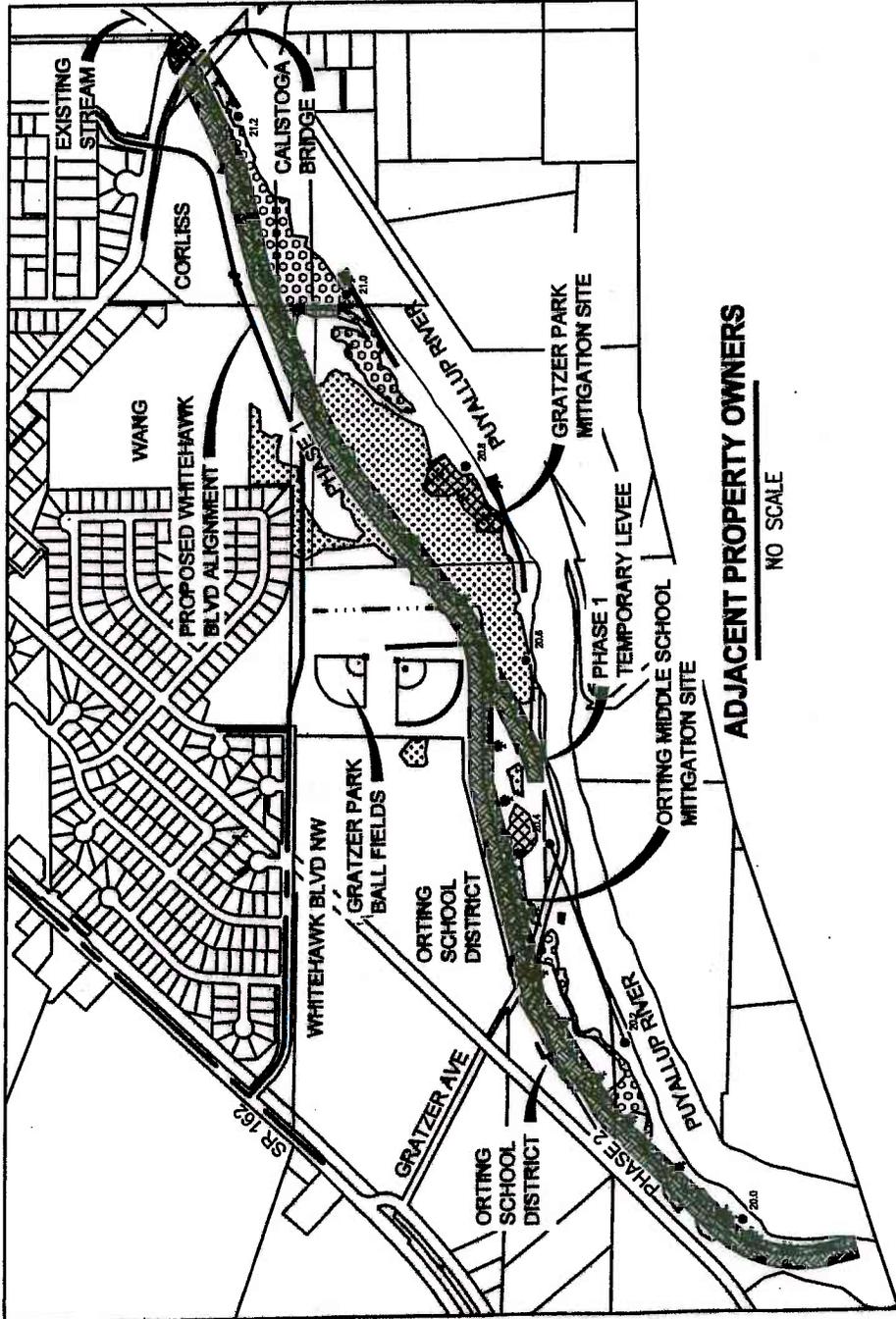
Parametrix DATE: June 14, 2012 FILE: PU17100RP707AF03



Reference Number: NWS-2011-1090
 Applicant Name: City of Orting
 Proposed Project: Calistoga Setback Levee
 Location: Orting, WA
 Date: June 14, 2012
 Sheet 3 of 8

LEGEND

-  Proposed Setback Levee with Stormwater Ditch
-  Construction Extents
-  Island (Levee Remnant)
-  Bank Roughening Jam
-  Log Spur
-  Apex Jam
-  Floodplain Roughness LWD
-  Category II Wetland
-  Category III Wetland
-  Jurisdictional Ditch 2
-  Mitigation Site
-  River Mile Marker



ADJACENT PROPERTY OWNERS

NO SCALE

Parametrix DATE: June 14, 2012 FILE: PUJ110097074P03

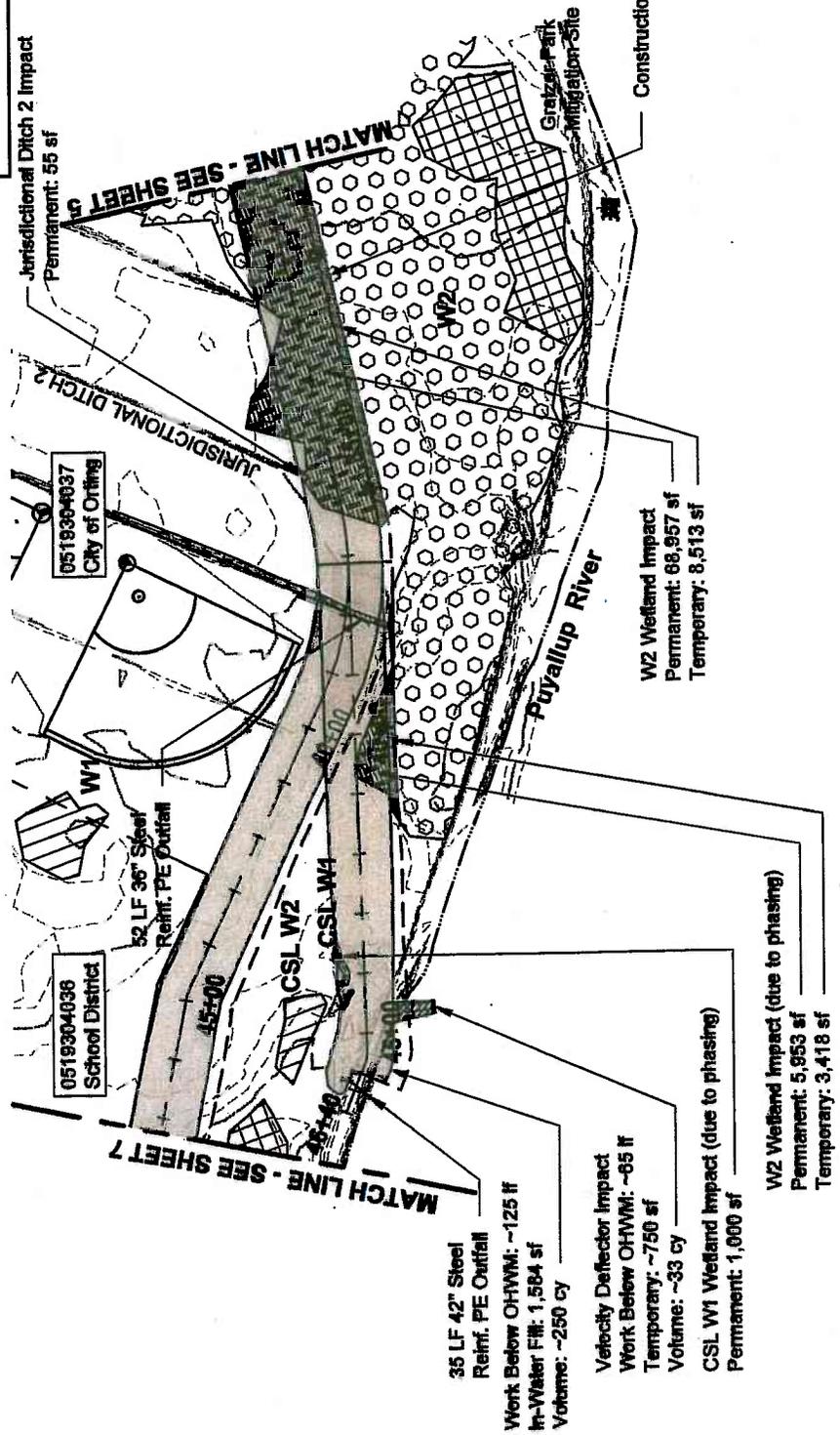
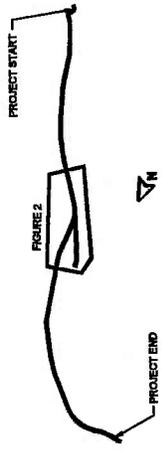


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SCALE IN FEET

Reference Number: NWS-2011-1090
 Applicant Name: City of Orting
 Proposed Project: Callistoga Setback Levee
 Location: Orting, WA
 Sheet 4 of 8
 Date: June 14, 2012



Jurisdictional Ditch 2 Impact
Permanent: 55 sf

0519304037
City of Orting

0519304036
School District

52 LF 36" Steel
Reinf. PE Outfall

45+00
CSL W2
CSL W1

35 LF 42" Steel
Reinf. PE Outfall

Work Below OHWM: ~125 lf
In-Water Fill: 1,584 sf
Volume: ~250 cy

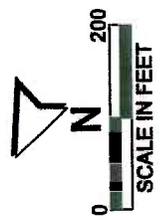
Velocity Deflector Impact
Work Below OHWM: ~65 lf
Temporary: ~750 sf
Volume: ~33 cy

CSL W1 Wetland Impact (due to phasing)
Permanent: 1,000 sf

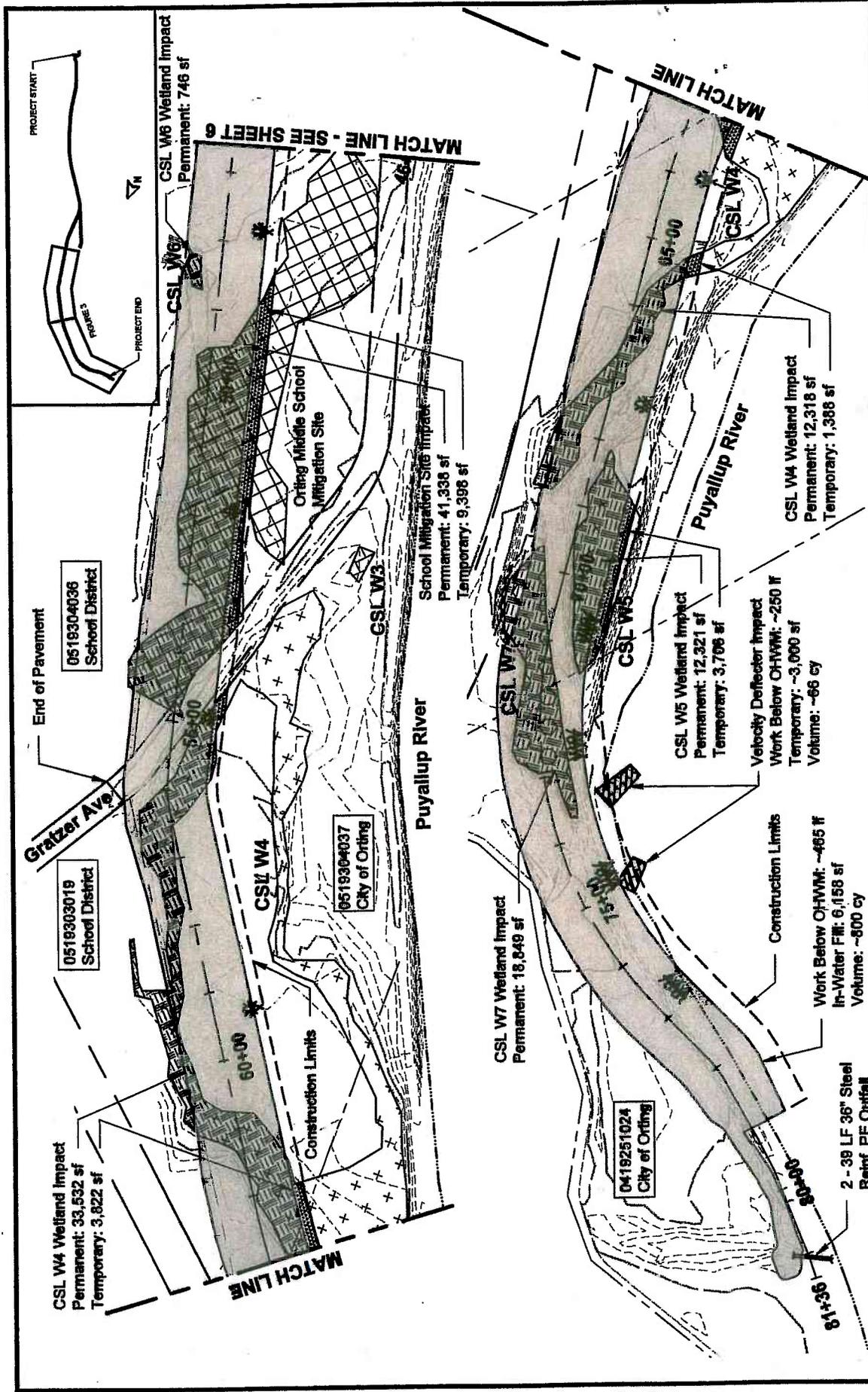
W2 Wetland Impact (due to phasing)
Permanent: 5,853 sf
Temporary: 3,418 sf

W2 Wetland Impact
Permanent: 68,957 sf
Temporary: 3,513 sf

Parametrix DATE: June 22, 2012 FILE: PUJ11003F7074F02-05



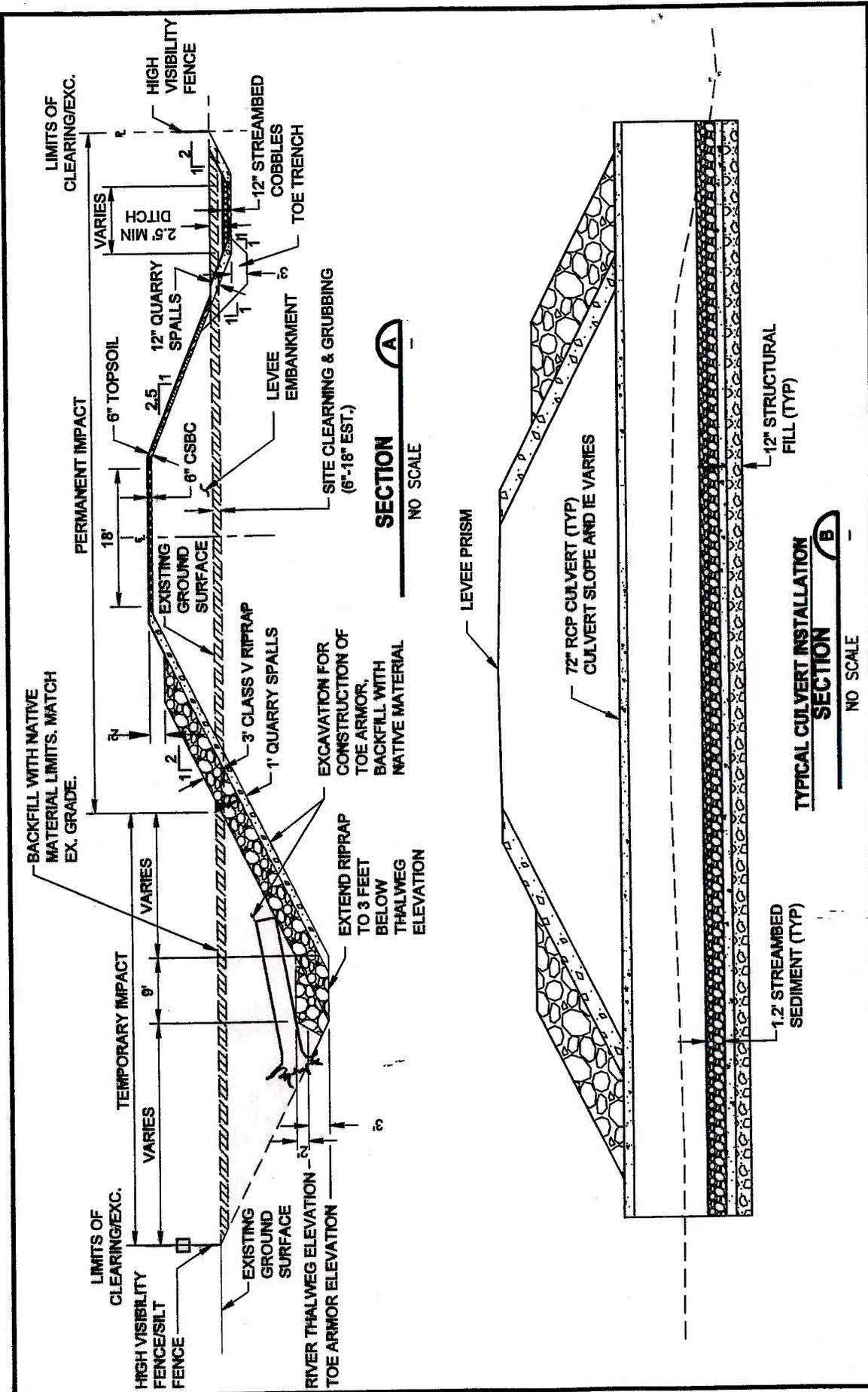
Reference Number: NWS-2011-1090
Applicant Name: City of Orting
Proposed Project: Callistoga Setback Levee
Location: Orting, WA
Date: June 14, 2012
Sheet 6 of 8



Reference Number: NWS-2011-1090
 Applicant Name: City of Orting
 Proposed Project: Callistoga Setback Levee
 Location: Orting, WA
 Sheet 7 of 8
 Date: June 14, 2012

Parametrix DATE: June 22, 2012 FILE: PU111003P7074F02-05

0 200
 SCALE IN FEET



SECTION A
NO SCALE

SECTION B
NO SCALE

Parametrix DATE: June 14, 2012 FILE: PU171-10097074F03



Reference Number: NWS-2011-1090
 Applicant Name: City of Orting
 Proposed Project: Calistoga Setback Levee
 Location: Orting, WA
 Sheet 8 of 8
 Date: June 14, 2012