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: Ms. Olivia Romano,
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: January 9, 2014
Expiration Date: February 8, 2014

Reference No.: NWS-2009-0399-WRD
Name: Pierce County Road Operations

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 December 3, 2013.

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: Pierce County Road Operations
Attention: Ms. Marlene Ford
4812 196th Street East
Spanaway, Washington 98387
Telephone: (253) 798-6427

LOCATION: In Wilkeson Creek, near the intersection of Johns Road and Foothills Trail, near South Prairie, Pierce County, Washington.

WORK: Retain up to 60 cubic yards of rock placed along 100 linear feet of stream bank (emergency action), install three engineered log jams (ELJ), and place up to 234 cubic yards of streambed material below the ordinary high water mark (OHWM) of Wilkeson Creek. The ELJs would be located on the right bank, just downstream of the confluence of the historic stream channel. The ELJs would be placed in a lateral arrangement with less than 50% of the structures in the channel.

Construction of the ELJ structures would be done in two stages: 1) Embedment of the vertical timber piles, and 2) Installation of the horizontal timbers and backfill material. The vertical timber piles are intended to anchor the ELJ structure and interlock of the horizontal timbers. The vertical timber piles would extend at least 10 feet below the bottom of the excavated scour hole of each ELJ structure and imbedded into the bank line. The vertical timber piles would be installed for each ELJ structure by excavating an area in the streambed. For ELJ structure #1 the excavated area would be 30.5 feet wide, 49 feet long, and 10 feet deep. For ELJ structure #2 the excavated area would be 35.6 feet wide, 47 feet long, and 10 feet deep. For ELJ structure #3 the excavated area would be 35.6 feet wide, 47 feet long, and 10 feet deep. The horizontal timber piles (with and without root wads), would be imbedded

into bank line, anchoring each ELJ structure to the stream bank. Up to 375 cubic yards would be excavated to install the vertical timbers and create a scour hole in front of each ELJ structure and up to 234 cubic yards of streambed material would be placed below the OHWM as backfill around the vertical timbers and as armoring in the scour holes. The remaining excavated material would be placed above the OHW mark to cover the horizontal timbers of each ELJ structure. Large woody debris (LWD) used for the construction of the ELJs would consist of coniferous trees native to the Pacific Northwest. LWD would be a minimum of 18 inches in diameter and up to 30 feet in length.

Wilkeson Creek would be temporarily diverted into the historic channel to dewater the work area so that all work can be done in the dry. Block nets would be installed upstream and downstream of the work area to exclude any fish. A sand bag/plastic covered bypass dam, about 40 feet long and 2 feet high, would be set in place. Up to 5 cubic yards of material would be removed from the historic channel to allow the stream flow to move into the historic channel.

PURPOSE: To protect the existing roadway embankment from ongoing erosion.

ADDITIONAL INFORMATION: Pierce County placed riprap along 100 linear feet of Wilkeson Creek, adjacent to Johns Road as an emergency action during 2009 flood event. The inter-agency team consisting of the National Marine Fisheries Service (NMFS), Corps, Washington Department of Ecology, Washington Department of Fish and Wildlife, and Puyallup Tribe of Indians conducted a site visit and recommended that Pierce County conduct a reach assessment to assist in designing erosion protection for this section of Johns Road and Wilkeson Creek. The Washington Department of Transportation completed a site and reach assessment study of Wilkeson Creek at Johns Road in October 2012. This study was used to develop the proposed project to address the ongoing erosion of Johns Road at this location and mitigation for the emergency action.

Copies of this public notice which have been mailed or otherwise physically distributed feature project drawings in black and white. The electronic version features those drawings in color, which we think more accurately communicates the scope of project impacts. To access the electronic version of this public notice, go to the Seattle District's web page at http://www.nws.usace.army.mil/ and under the heading Open Public Comment Periods select Regulatory Public Notices. Recently-issued public notices are listed in chronological order of the date of issuance. Select and view the listing for this project.

ENDANGERED SPECIES: The Federal Highways Administration, as the lead agency for Endangered Species Act (ESA) consultation, will consult with the NMFS and/or the U.S. Fish and Wildlife Service 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 Federal Highways Administration, as the lead agency for a determination regarding EFH, will consult with the National Marine Fisheries Services if necessary.

CULTURAL RESOURCES: The Federal Highways Administration, 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.

SOURCE OF FILL MATERIAL: The source of the fill material will be excavated from the project site.

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: Pierce County has issued an exemption from the requirement of obtaining a Shorelines Substantial Development permit for this 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 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.

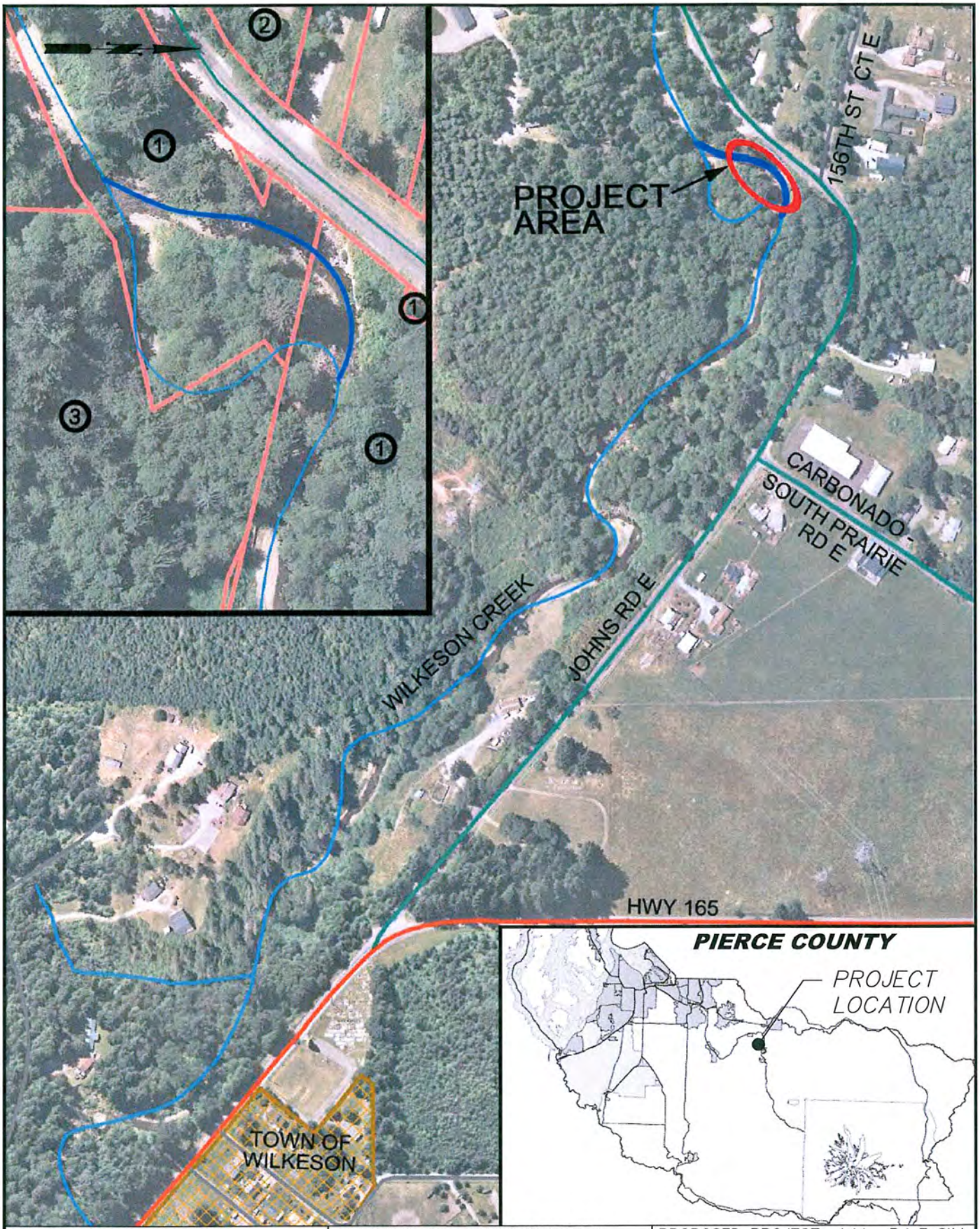
CORPS COMMENTS: All e-mail comments should be sent to olivia.h.romano@usace.army.mil. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Ms. Olivia Romano, P.O. Box 3755, Seattle, Washington 98124-3755. All comments received will become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses.

NWS-2009-0399-WRD, Pierce County Road Operations

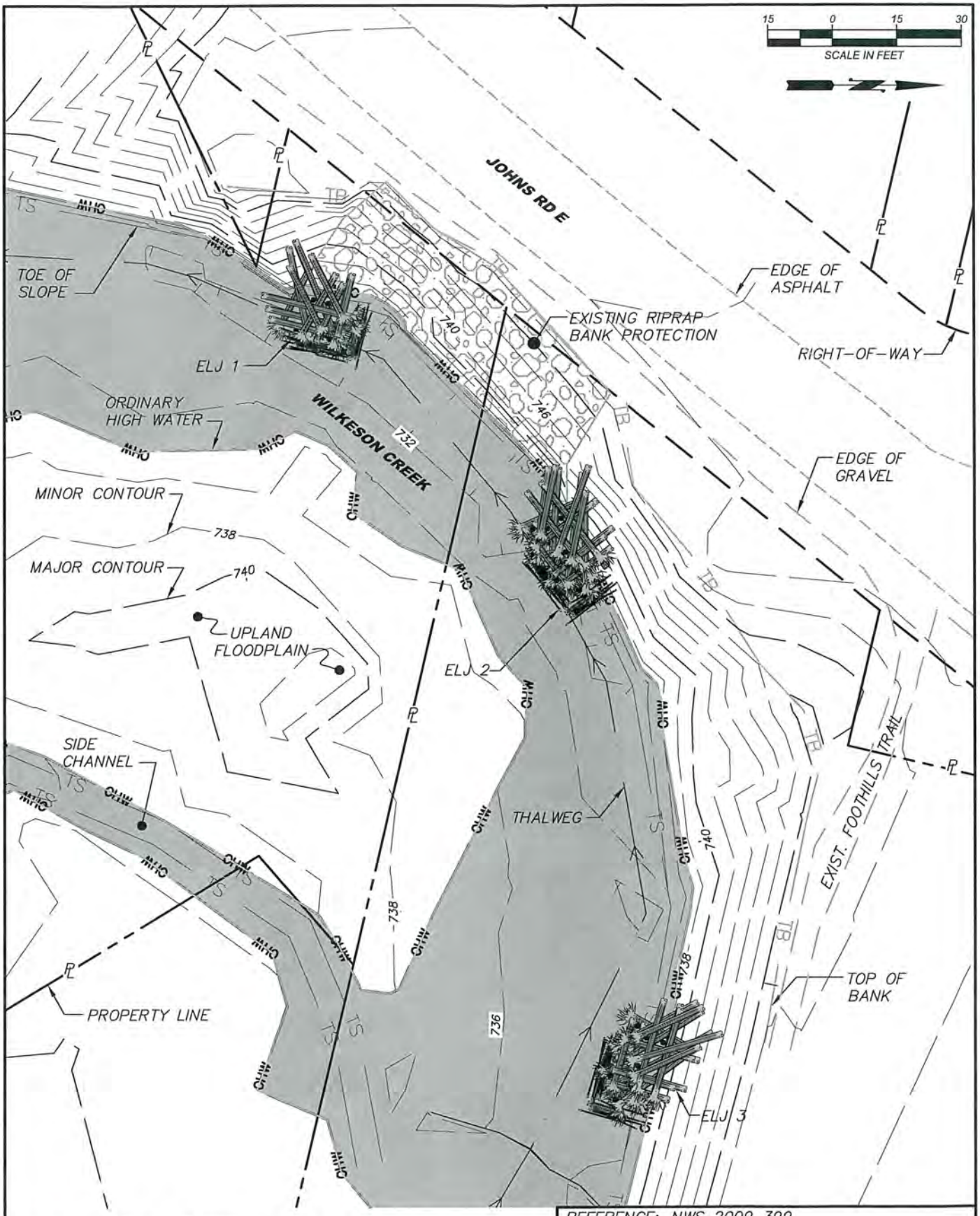
ECOLOGY COMMENTS: Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Washington State Department of Ecology, Attention: 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: Pierce County Road Operations, NWS-2009-0399-WRD

Encl: Figures (7)



REFERENCE: NWS 2009 399 APPLICANT: Pierce County ADJACENT PROPERTY OWNERS: 1. Pierce County 0619204040/07 2. Bigley, Jack 0619204045 3. Dublin Tree Farm 0619204027	LOCATION: Parcel 0619204007 & 0619204040 along Johns Rd E LAT: 47° 6' 53.88" N LONG: 122° 3' 50.52 W PAGE: 1 of 7 DATE: 12/3/13	PROPOSED PROJECT: Johns Rd E Slide Mitigation – Installation of 3 ELJ's. IN: Wilkeson Creek NEAR: Town of Wilkeson (0.5 MI.) COUNTY: Pierce STATE: WA



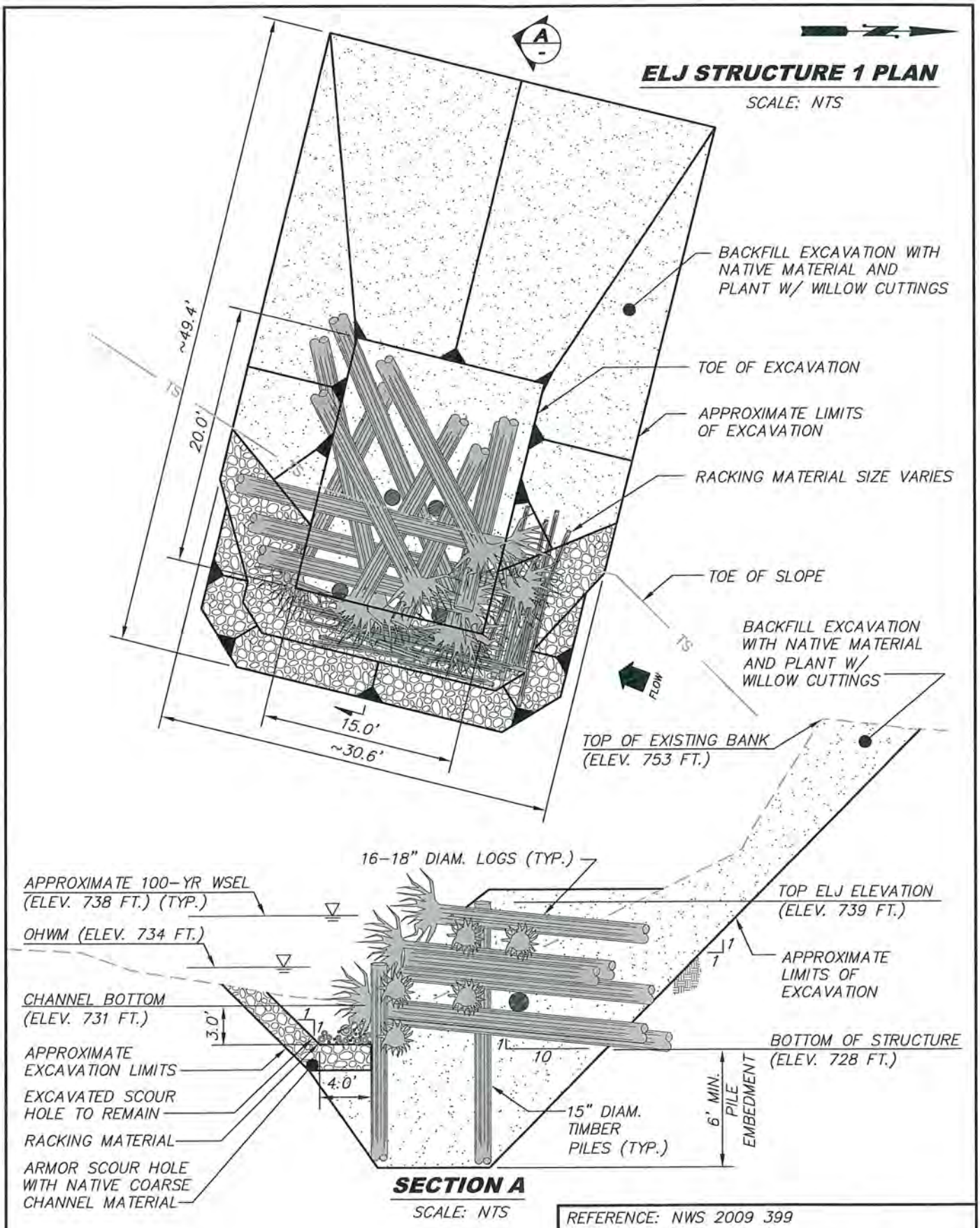
BASIS OF BEARING:
DATUM NAD 83 91 (CORS-96) & WSPC SOUTH ZONE 4602 (LAMBERT PROJECTION). CONTROLLING MONUMENTATION PC3N CORS NETWORK (MAX).
VERTICAL DATUM: ELLIPSOID NAD 83 WITH GEIOD 09 AND REPRESENTED AS NAVD 88.
SURVEYED BY: D. AUCKLAND DATE SURVEYED: 3-28-2013

REFERENCE: NWS 2009 399
APPLICANT: Pierce County

PROPOSED PROJECT: Johns Rd E Slide Mitigation

LOCATION: Parcel 0619204007 & 0619204040 along Johns Rd E

PAGE: 2 of 7 DATE: 12/3/13



REFERENCE: NWS 2009 399
APPLICANT: Pierce County

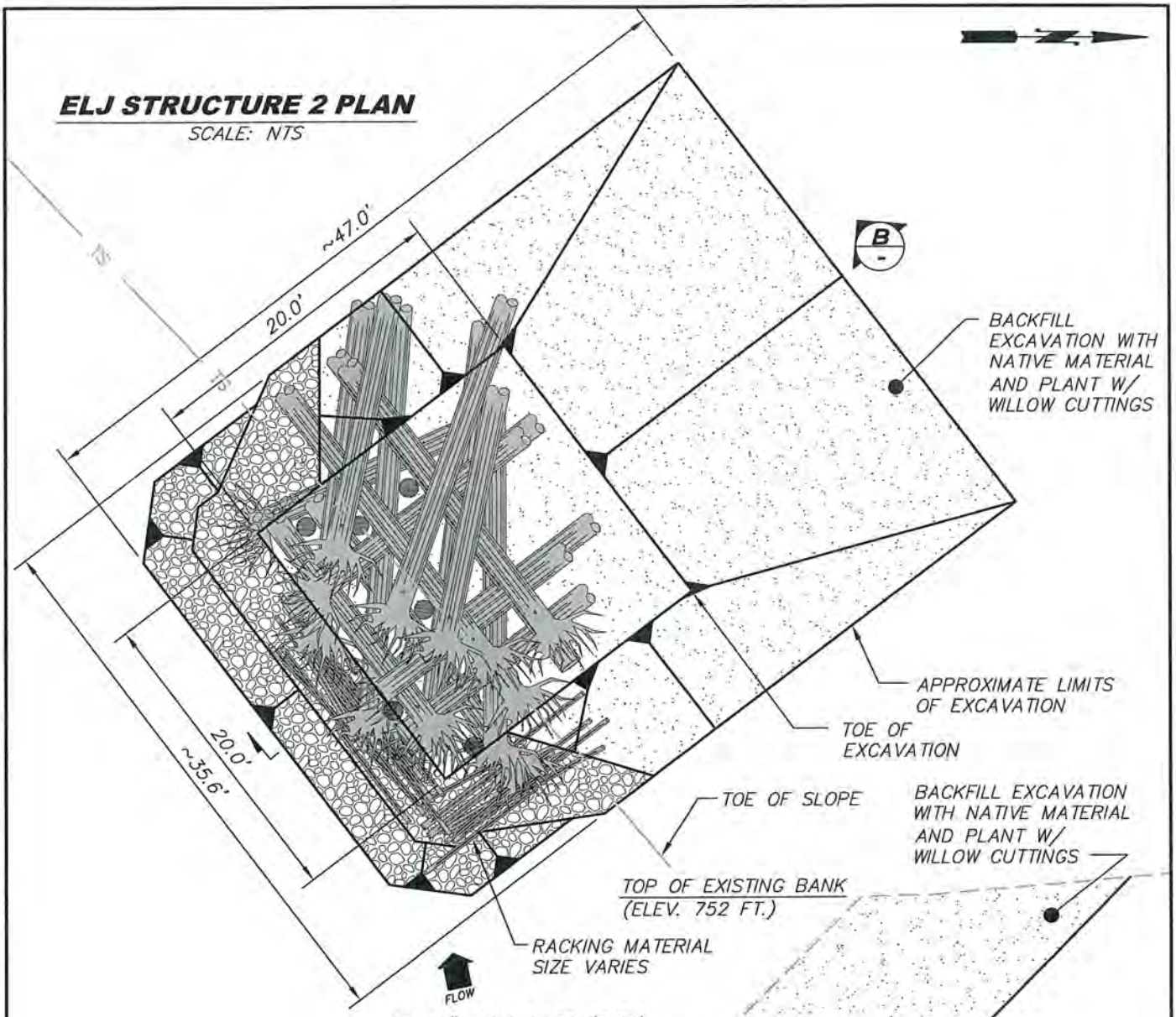
PROPOSED PROJECT: Johns Rd E Slide Mitigation

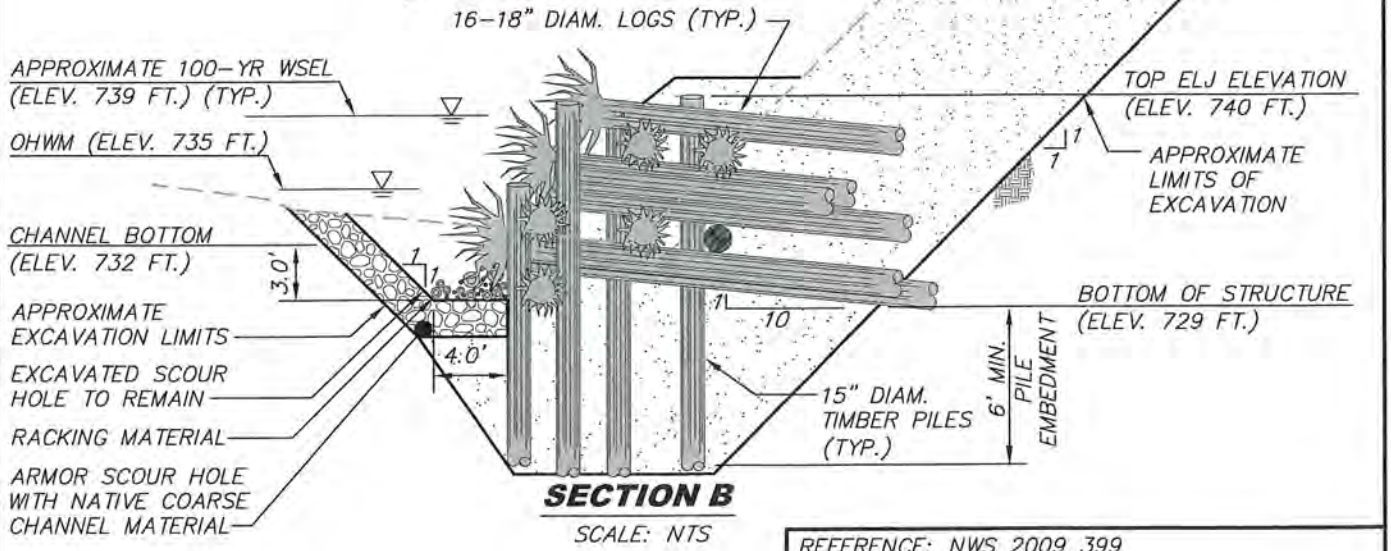
LOCATION: Parcel 0619204007 & 0619204040 along Johns Rd E

 DATE: 12/3/13

ELJ STRUCTURE 2 PLAN

SCALE: NTS





SECTION B

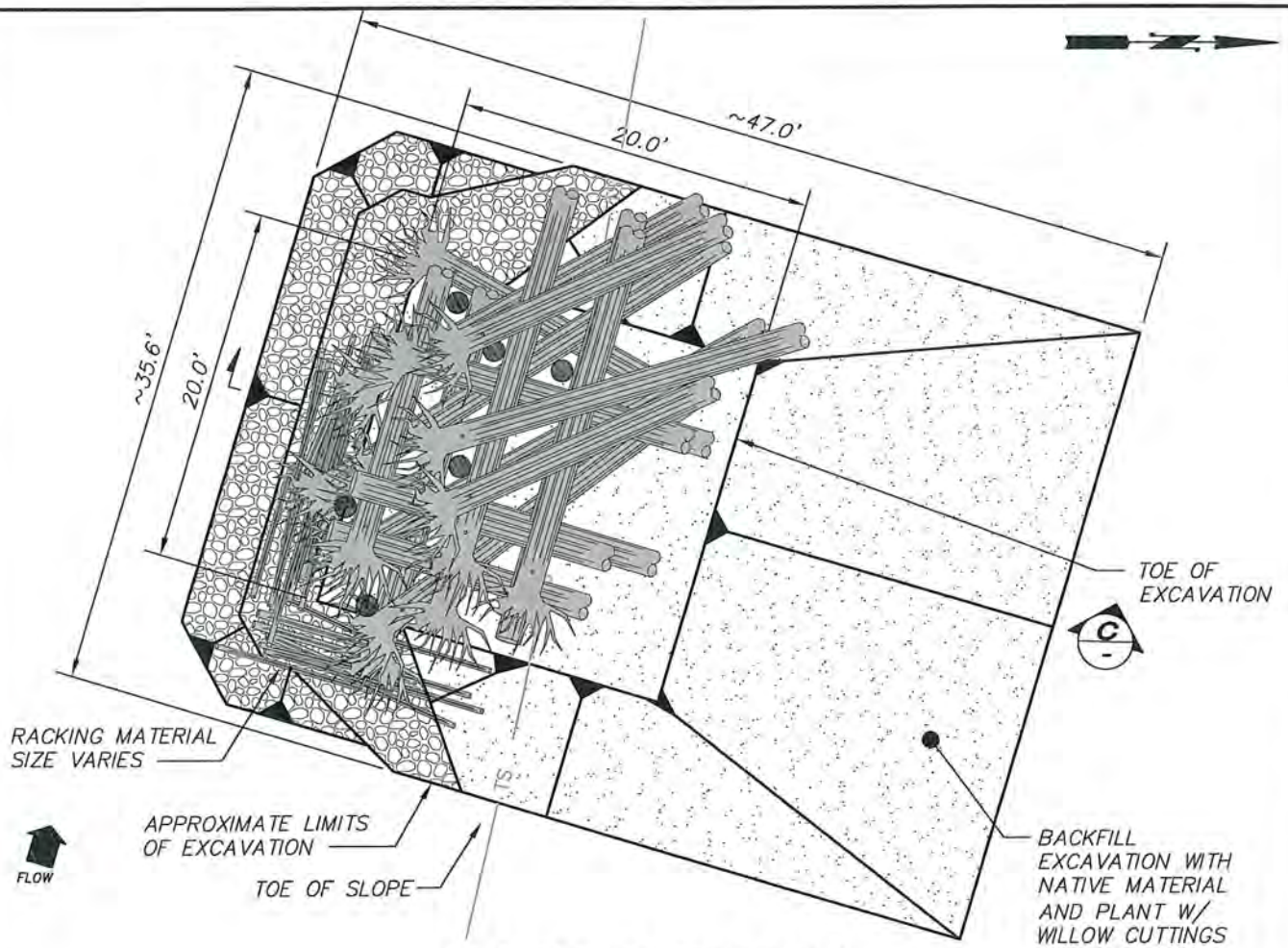
SCALE: NTS

REFERENCE: NWS 2009 399
APPLICANT: Pierce County

PROPOSED PROJECT: Johns Rd E Slide Mitigation

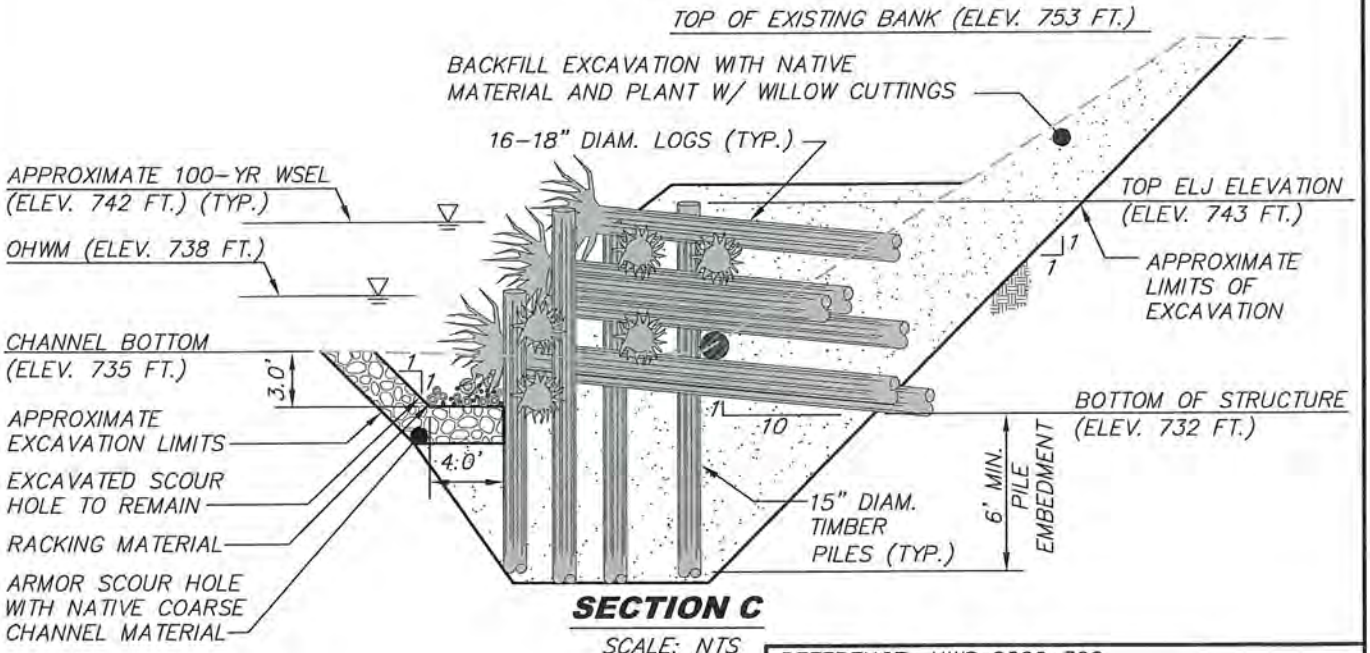
LOCATION: Parcel 0619204007 & 0619204040 along Johns Rd E

 DATE: 12/3/13



ELJ STRUCTURE 3 PLAN

SCALE: NTS



SECTION C

SCALE: NTS

REFERENCE: NWS 2009 399
APPLICANT: Pierce County

PROPOSED PROJECT: Johns Rd E Slide Mitigation

LOCATION: Parcel 0619204007 & 0619204040 along Johns Rd E

 DATE: 12/3/13

ELJ STRUCTURE INFORMATION			
	ELJ1	ELJ2	ELJ3
BOTTOM OF CHANNEL ELEVATION	731	732	735
TOP OF BANK ELEVATION	753	752	753
EXPECTED SCOUR DEPTH	3	3	3
EXPECTED SCOUR ELEVATION	728	729	732
BOTTOM OF STRUCTURE ELEVATION	728	729	732
TOP OF STRUCURE ELEVATION	739	740	743
STRUCTURE HEIGHT (FT)	11	11	11
PILE EMBEDMENT DEPTH	6	6	6
PILE TIP ELEVATION	722	723	726
NUMBER OF PILES	4	6	6
PILE DIAMETER (IN)	15	15	15
PILE LENGTH (FT)	17	17	17

ELJ STRUCTURE LOG SCHEDULE						
LOG TYPE	18 IN DBH W/ ROOTWAD			18 IN DBH W/O ROOTWAD		
LENGTH (FT)	30	25	20	25	20	15
ELJ 1	2	3	4	1	3	2
ELJ 2	2	6	5	1	1	2
ELJ 3	2	6	5	1	1	2
TOTAL	6	15	14	3	5	6

EXCAVATION VOLUMES BELOW OHWM		
PROPOSED ELEMENT	EXCAVATION (CY)	FILL (CY)
ELJ1	115	72
ELJ2	130	81
ELJ3	130	81

REFERENCE: NWS 2009 399
APPLICANT: Pierce County

PROPOSED PROJECT: Johns Rd E Slide Mitigation

LOCATION: Parcel 0619204007 & 0619204040 along Johns Rd E

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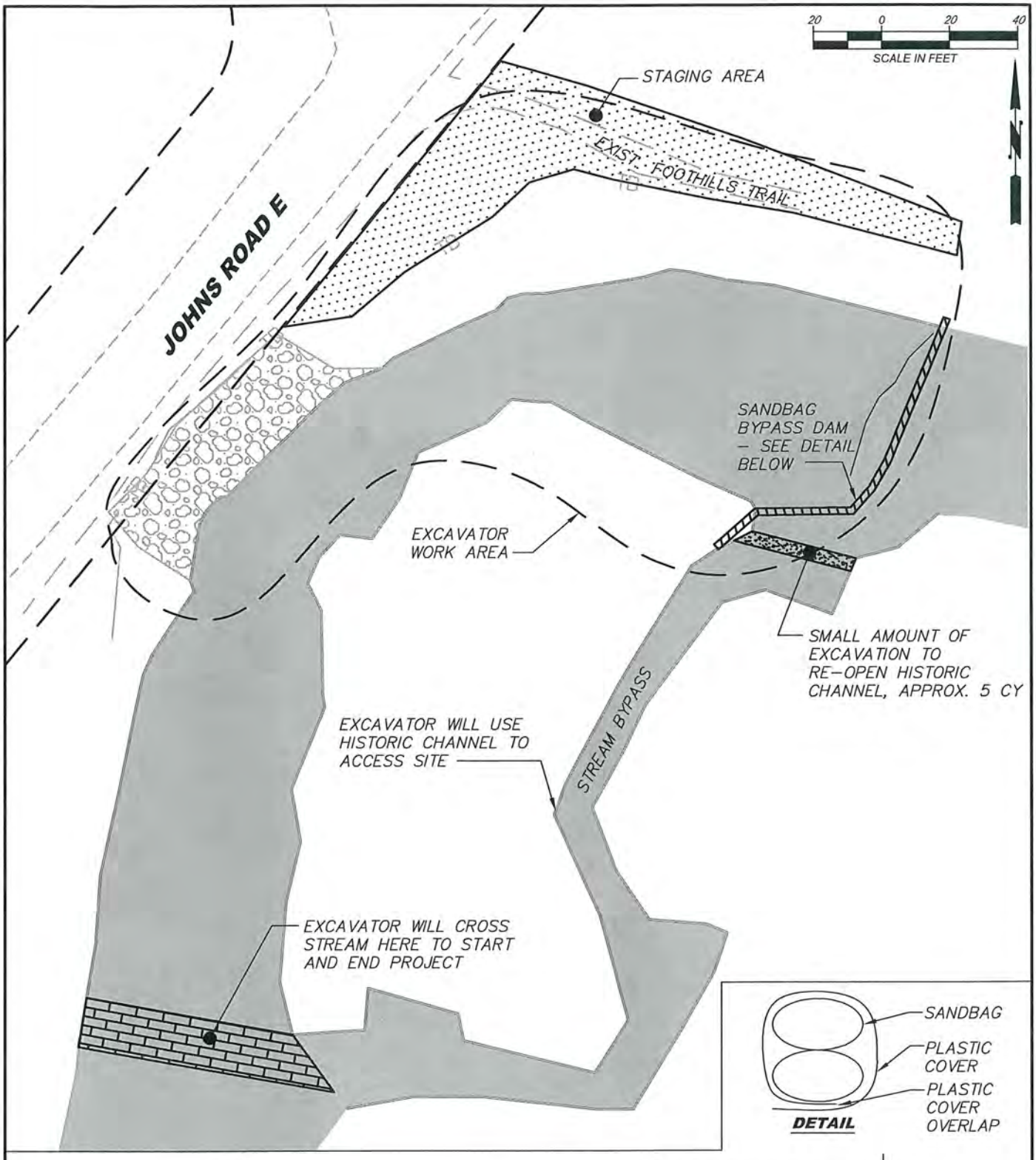

BYPASS DAM - TYPICAL DETAIL

REFERENCE: NWS 2009 399
APPLICANT: Pierce County

PROPOSED PROJECT: Johns Rd E Slide Mitigation

LOCATION: Parcel 0619204007 & 0619204040 along Johns Rd E

PAGE: 7 of 7 DATE: 12/3/13