II. Pre-Construction Information (70% or 100% design with permits) These questions relate to the designed and permitted project. Information should include input resulting from permit review process, SEPA, boater safety meetings and any other stakeholders.

1. Have any answers provided in Section I at the Preliminary Design Phase changed in the interim? If so, provide the new answers and the rationale for the change.

Response: Regarding question 5 - A main stem jam is now included in the lower portion of the site reach. Wood will encroach up to approximately 20% into the existing wetted channel width at low flow in the as-built condition.

2. What regulatory review or permits are required for the project (e.g. HPA, Clearing and Grading permit, COE permits)? List any conditions or requirements included in the permit approvals relevant to placement of large wood in the project.

Washington Department of Ecology’s NPDES Construction Stormwater General Permit

Washington Department of Fish & Wildlife Hydraulic Project Approval

LARGE WOODY MATERIAL

35. This permit authorizes installation, placement, and repositioning of LWM and habitat boulders, procured on site and brought to site, throughout the project site and in accordance with the details and specifications of the uploaded plan sheets and application materials.

36. As stated in the associated JARPA, section 6b, the project will, Install three large wood jams along the north margin of Issaquah Creek to encourage floodplain engagement at high flows; Install large wood accumulations in each of the constructed backwaters and in the constructed side channel along the north margin of Issaquah Creek.

37. Use of fir, cedar, or other coniferous species is recommended to construct the log and rootwad fish habitat structure.

38. Do not drag large woody material. Suspend large woody material during placement or positioning so damage to the bed or banks is minimized.

39. Ballast and passive stabilization techniques must be utilized to anchor LWM. This permit authorizes placement of up to 42 additional, rounded boulders above the OHWL to provide further stabilization. Use of LWM pieces as piles to further anchor is authorized.

US Army Corps of Engineers Section 404 Permit Package, including:

- Nationwide 27;
- NMFS and USWFS ESA Section 7 compliance documentation;
- Washington Department of Ecology
  - Section 401 Water Quality Certification; and
  - Coastal Zone Management Act (CZM Consistency)
- US Army Corps of Engineers National Historic Preservation Act Section 106 compliance documentation

King County Clearing and Grading, including:

- King County Roads Right of Way Review; and
- King County DPER Flood Hazard Certificate

Exemption from Washington Shorelines Substantial Development Permit

3. What specific actions or project elements were employed to address public safety in the final, permit-approved design?

The final design poses no additional public safety concerns as compared to initial design. A temporary sign will be posted during construction.

A Mitigation Plan is in place that includes monitoring of the installed large woody debris structures along the mainstem of Issaquah Creek. All wood along the mainstem is tethered, or boulder or soil ballasted. If determined that project wood shifts out of place or is transported downstream, it will be noted. The bridge at SE 156th Street will then be inspected for any potential wood accumulation as a result of the project.

12/13/2012
4. Describe how the project team solicited public input on the preliminary design. Describe the input received from the public and how, if appropriate, the project team has responded to this input.

The project underwent SEPA review.

- Karen Walter of the Muckleshoot Indian Tribe requested additional information, which was provided to her;
- Neighboring property owner Bob Forgie requested more information on the project schedule, which was provided to him.
- A nearby property owner was concerned about an increase in homeless encampments. The project is at no higher risk for such use as compared to the existing condition.

5. Describe any additional design modifications or mitigating actions that were or will be taken in response to the public comments.

No modifications to design or other actions were needed.

6. Will further educational or informational materials be made available to the public to heighten awareness of the project (e.g., public meeting, press release, informational website, or temporary or permanent signage posted in the vicinity of the project)? If so, explain.

Prior to construction, KC Parks will notify nearby landowners of upcoming construction including the project description and approximate dates. A temporary sign will also be posted at the site.

7. If the project is expected to influence the recruitment, mobility or accumulation of natural wood, has a Public Safety Management Plan been completed?

Placed wood is likely to recruit additional large wood floating in Issaquah creek. As in a natural system, that wood may accumulate and then be remobilized during large floods or in response to channel changes. Channel migration and tree recruitment are desired and expected outcomes from this project. Along with channel migration, we anticipate that the channel will become more sinuous, shallower and wider with rougher margins and improved floodplain connectivity. All of these factors will increase the likelihood of retaining large wood on the site. Therefore, the project is expected to increase both recruitment and retention of large wood. As a result, it likely has no significant effect on long term downstream wood loads in Issaquah creek.

A Mitigation Plan is in place and includes monitoring of the installed large woody debris structures along the mainstem of Issaquah Creek. If determined that project wood shifts out of place or is transported downstream, it will be noted. The bridge at SE 156th Street will then be inspected for any potential wood accumulation as a result of the project.

Project Manager / Date

Supervising Engineer, Project Supervisor or Unit Manager / Date

III. Post-Construction Actions or Project Modifications

8. Have any answers provided in Sections I and II at the Preliminary design and Pre-Construction phases changed in the interim? If so, provide the new answers and the rationale for the change.

9. Briefly describe the scope and timing of post-construction monitoring and inspection activities planned for the project as they relate to large wood. If a Public Safety Management Plan or Monitoring Plan has been developed for the project, you may simply reference and attach that document.

10. If post construction monitoring or inspections result in modifications to the project, please describe the action taken and the rationale and consistency with the Public Safety Management Plan, if applicable.

12/13/2012
WASHINGTON DEPARTMENT OF ECOLOGY'S NPDES CONSTRUCTION STORMWATER GENERAL PERMIT AND DRAFT STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
WASHINGTON DEPARTMENT OF FISH & WILDLIFE HYDRAULIC PROJECT APPROVAL
US ARMY CORPS OF ENGINEERS SECTION 404 PERMIT PACKAGE, INCLUDING:
   A. NATIONWIDE 27 404 PERMIT CONDITIONS
   B. NMFS AND USWFS ESA SECTION 7 COMPLIANCE DOCUMENTATION;
   C. WASHINGTON DEPARTMENT OF ECOLOGY SECTION 401 WATER QUALITY CERTIFICATION
   D. US ARMY CORPS OF ENGINEERS NATIONAL HISTORIC PRESERVATION ACT SECTION 106 COMPLIANCE DOCUMENTATION
KING COUNTY CLEARING AND GRADING PERMIT PACKAGE, INCLUDING:
   A. KING COUNTY ROADS RIGHT OF WAY SPECIAL USE PERMIT
   B. KING COUNTY DPER FLOOD HAZARD CERTIFICATE
   C. EXEMPTION FROM WASHINGTON SHORELINES SUBSTANTIAL DEVELOPMENT PERMIT
KING COUNTY PARKS PARTNERSHIP REVIEW