

May 13, 2015

Exhibit “E” (Contractor Pre-Bid Walkthrough Notes; Natapoc Habitat Enhancement Project (LWM Option)):

Attendees: Justin Hansen (Pipkin Construction)

Craig Harvey (Restoration Inc.)

General Project Comments:

- Bids are due in Toppenish no later than May 27th, 2015 by C.O.B.; 5PM.
- Contractor is to provide “San-i-Can” service prior to construction.
- **No Sub-Contracting will be allowed** under this construction contract.
- Davis Bacon Wages **do apply to this contract**
- Non-Toxic hydraulic fluids need to be used in all equipment working in or near water.
- All fueling is to take place at least 50’ from any water source.
- Turbidity monitoring will taking place at both the upstream end of the project to obtain background levels as well as 100yds. downstream from the project. This will be done by the YN Designated Representative.
- Utility location is the contractor’s responsibility.
- All pilings need to be installed using a vibratory pile driver; no impact hammer can be used. In addition, pilings need to be snapped off once installed leaving a rough top exposed in a varying height method; **no clean cutting tops of piles with a saw.**
- Any questions need to be directed to Designated Project Representative; project manager Chris Clemons
- **The in-water work date is July 15th-August 15th.** Selected contractor can mobilize equipment and supplies to site as long as they are stored at upland area and only after approval from YN Designated Representative.
- No invoicing can take place until Toppenish has a fully executed and signed copy of the consultant agreement back from the contractor.
- Selected contractor will need to submit a certified payroll form to Toppenish for work completed for this project; WA. Dept. of L & I form uploaded to Natapoc bid packet on YN Fisheries website.
- Selected contractor will need to download and submit a Treaty Fishery Tax Exemption form that the YN Designated Representative will assist in obtaining the proper YN signatures.
- The YN has made available Fabric Encapsulated Soil Lift stakes and silt fencing which are currently staged on-site. It will be up to the contractor to notify the YN Designated Representative if more stakes or silt fencing will be needed. **Any of these materials above and beyond what is supplied by YN will be the responsibility of the contractor to supply to accomplish the required tasks.**
- Billing will be no more than once per month on a completed task basis; **see Exhibit “C” Payment Schedule.**

- Any changes to materials used and/or quantities need to be approved by the YN Designated Representative prior to changes in material types or quantities.
- The contractor will need to submit with his or her bid the “Equipment Daily Standby Rate,” sheet that can be found online with the Natapoc project bid packet; **Exhibit “F.”**
- Any excess wood will need to be removed upon project completion and taken to the YN log storage yard located near Coles Corner, by the contractor.
- Contractor will be responsible for cutting piles to the required length, currently they are 40 feet in length; cut length approximately 25 feet with 15 feet of embedment.
- Contractor will be responsible for purchasing and applying seed mix to fabric encapsulated soil lifts; the appropriate seed mix for these FESLs is a 50/50 mix of Idaho Fescue (*Festuca idahoensis*) and Streambank wheatgrass (*Elymus lanceolatus*).
- Contractor will be responsible for installing the LVM and backfilling with a Gravel/Cobble mix that is supplemented with approximately 30% salvaged fines and topsoil.
- Contractor will be responsible for procuring and applying a 3” layer of loose topsoil between each layer of the lifts; **topsoil needs to be certified weed free and preferably locally sourced.**
- WDFW has spec’d. 3 inch (-) washed round gravel for filling the bulk bags; contractor will be allowed to broadcast spread the bulk bag fill upon project completion at the toe of the structures through the treated reach **without wet wading of equipment.**
- The constructed slope of the banks will be approximately a 1:1 ratio.
- Excavation volumes are in place quantities and **contractor will need to account for “fluff expansion factor.”**
- Any excess excavated spoils shall be disposed of by the contractor at the approved upland disposal location shown during the pre-bid site visit; **spoils will need to be spread to a walkable level by the contractor.**
- Contractor will need to avoid disturbance and removal of larger trees for access; any trees greater than 6” dbh will need to be stockpiled for possible incorporation into project as slash along existing access routes; no slash shall be placed on top of FESLs to accommodate future revegetation by a separate contractor.
- Dewatering will require a minimum 6” diesel trash pump with fish friendly screen; **water will need to be discharged to an approved upland area, at a controlled rate, outside of wetland buffer zone.**
- Approximately 10% of the piles need to be strength tested with a tensiometer at engineer’s discretion; Interfluve will provide all equipment necessary to accomplish this task with the exception of the vibratory pile implement.
- If the Industrial Fire Precaution Level is bumped up to a level II it will be the responsibility of the contractor to obtain the waiver; YN Designated Representative will work with contractor and DNR staff person to effort this. If waiver is granted then it will be the responsibility of the contractor to have on-site all required equipment and personnel to accomplish work under the waiver.
- All wood structures will need to have a bumper log across the face of each exposed rootwad; for the larger complexity jam this will be approximately 5-6 bumper logs and for the 6 cover jams this will require 1-2 bumper logs approximately.

- All existing access routes will be clearly marked and used for construction of this project; **contractor is encouraged to use existing routes already established by pump test contractor.**
- **All access will be clearly marked prior to construction by project engineer Dan Miller.**
- Silt fencing will need to be used in those areas adjacent to wetland buffers as well as those areas near water.
- Contractor will be responsible for applying road appropriate quarry spall to main access route connecting upland area to lowland area. **Rock does not need to be removed upon project completion. In addition, it will also be the contractor's responsibility to monitor any and all access routes at the Natapoc site to ensure that they don't become un-drivable by heavy equipment as well as smaller tracked and non-tracked vehicles. Contractor will also be responsible for clearing and limbing main access route to accommodate equipment needed for construction of the project.**