ADDENDUM NO. 3

Boquet River Non-Point Source Pollution Improvement Project

Town of Willsboro, New York

June 5, 2015

TO ALL CONTRACT DOCUMENT HOLDERS AND PROSPECTIVE BIDDERS:

This Addendum is issued to document clarifications and modifications to the Contract Documents for the Boquet River Non-Point Source Pollution Improvement Project. This Addendum is made a part of the Contract Documents. Each bidder must acknowledge receipt of the Addendum on the Proposal Form.

The following responses are provided to questions received from prospective bidders:

1. SP.2 illustrates a "Compacted Gravel Trail". Looking over details pages does not provide details on path construction. Please advise.
   Response: The path shall consist of a minimum of 6" of compacted gravel surface per NYSDOT Specification 411.

2. What is spacing of branches on the branch layering detail?
   Response: The spacing of branches (i.e., stems) for branch layering and vegetated geo-grid is 20-25 per yard. The quantity of vegetated geo-grid is 410 lineal feet (137 yards). The quantity of branch layering is 1,050 lineal feet (350 yards). It is thus estimated that 9,740 to 12,175 individual branches will be needed. Additional information regarding the installation of branch layers and vegetated geogrid can be found in "A Soil Bioengineering Guide for Streambank and Lakeshore Stabilization (FS-683)" from the US Forest Service. (web link: http://www.fs.fed.us/publications/soil-bio-guide/)

3. Is a project engineer's office required?
   Response: An office will not be required.

4. Has an on- site waste area been established as mentioned in the first addendum?
   Response: The waste area will be against the toe of the upper bank to the west of the project. Material can be placed wherever there is room and the trees have already been removed. This area was not included in the base map for the project and is generally described as west of the proposed ditch between approximate stations 16+50 and 18+00.

5. How much of the river bottom and/or the island will be available for borrow, especially as "native" material is required to backfill all ELJ's and rockery cribs?.
   Response: Native material that is excavated for the construction of the ELJs and for the base of the rock wall (rockery crib) should provide ample backfill material for the ELJs, with the exception of topsoil / compost that will be needed so that there is organic material at the top of the ELJs to support planting. The NYSDEC has suggested that the natural river material on the island can be used for the construction of a diversion dam during

construction, but it is our understanding that this material should not be taken from the riverbed.

6. The estimate of quantities lists an area for clearing and grubbing, but the specifications are very clear in that no trees can be taken down under this contract, please explain..
Response: The quantity estimates were developed prior to the town taking responsibility for removing the trees. The trees have been removed but the stumps remain and will need to be removed under this item.

7. Additional details regarding the placement and construction of ELJs was requested.
Response: Several photographs and presentation slides were utilized to illustrate a work site during construction and completion of ELJs to obtain permits (APA) for this project. These materials can be accessed by the following link:
https://www.dropbox.com/sh/e4mti6eqbmo0qpv/AADMVgmbd4SmM0UrCdofEiNGa?dl=0

8. What is the standard for pile refusal?
Response: The performance standard for the piling is that they achieve the minimum embedment identified on the plans. There is not a minimum bearing that must be achieved. If an excessive bearing is realized (i.e. refusal), prior to obtaining the required depth, the engineer may allow the pile to be installed to a shallower depth.

9. Is it expected that the contractor mobilize a pile driving rig?
Response: The contractor will need to mobilize whatever driving equipment is necessary to install the piles (refer to technical specification section 211.3.3)