

## **Attachment A: Scope of Work and Project Budget**

### **I. Scope of Work, Timeline, and Deliverables**

#### Background/Project Summary:

This project is intended to assist the Town of Olive in preparing flood buyout (FBO) parcels in Boiceville for future establishment of a Riparian Area Linear Park in the hamlet. The following parcels are included in this scope: the Stucki Parcel (SBL: 36.11-1-36.100), Trail Motel Parcel (SBL: 36.11-1-33.100), Boiceville WWTP (SBL: 36.11-1-32.200), and the future FBO Rosen Piano parcel (SBL: 36.11-1-36.100). The Town of Olive has entered into an agreement with Restaino Design, Landscape Architecture PC to develop a Boiceville Riparian Area Management Plan with community involvement to envision a future connection of these parcels adjacent to Esopus Creek. The Town of Olive has reached out to the Ashokan Watershed Stream Management Program and the Ulster County Soil & Water Conservation District's (UCSWCD) Catskill Streams Buffer Initiative (CSBI) Program for technical and financial assistance to convert these former developed parcels back into native streamside riparian areas with space for community activities. This scope specifically covers the preparation of these parcels as phase 1 of this multi-phase, multi-year project. It has been made clear that the Catskill Streams Buffer Initiative will partner with the town on future phases of this project once the site has been prepared to provide technical assistance, native vegetation procurement, and installation including 5 years of monitoring for the future restoration of this site.

The parcels were recently reclaimed and necessary buildings removed. Invasive plant species are dominant throughout all the parcels and pose a threat to native plant establishment. Hazard trees and non-native trees that exist on the parcels need to be removed. Flood debris and trash exist, mainly along the immediate stream corridor and need to be removed. Stormwater concerns associated with Rosen Road and a town fire department water draw site exist and should be addressed. Finally, trail construction and landscaping features that ensure the project meets the town's goals and objectives for this project should be included in an effort to connect these parcels to create a linear park for residents to access the streamside area and ultimately minimize impacts to the riparian area.

This project is an excellent opportunity to create a model for re-purposing FBO parcels in the New York City Watershed into useable riparian areas that increase the awareness of the importance of native vegetation streamside buffers. The CSBI Program is tasked in the Ashokan Watershed with assisting streamside landowners with improved stewardship of riparian areas that line the banks of the creeks and rivers that feed the Ashokan Reservoir. CSBI works directly with streamside landowners and municipalities to provide technical and financial resources to restore or enhance the condition of the riparian areas. It is assumed that the UCSWCD will reimburse the Town of Olive for all tasks outlined below.

#### Timeline

Several tasks associated with this project will take a minimum of 3 years to be completed, but it is anticipated that the tasks associated with this phase 1 scope of work shall be completed by March 31,

2026. The tasks that are multi-year to reach completion will be handled directly under the CSBI program which includes the invasive species management aspect of this project. CSBI will work with an invasive species specialist to develop an invasive plant control plan for this site and coordinate and finance the aspects of that plan. The Town of Olive will contribute to mowing as part of their in-kind services for the long-term success of the identified plan on the Stucki and Trail Nursery parcels where appropriate and mutually agreed upon.

**Task 1 – Hazard and Non-native Tree Removal**

**Cost not to Exceed \$15,000**

- a. The Town of Olive shall hire a tree removal company to remove all hazard trees, diseased trees, and non-native trees on the parcels identified above.
- b. This task shall be completed by end of April 2024 to facilitate further task completion.
- c. Staff from UCSWCD, Town of Olive, and Restaino Designs have identified non-native trees in the project area.
- d. The hired tree company shall identify all hazard trees to be removed.
- e. All cut wood and chips shall be removed from site.
- f. The invasive shrubs and knotweed on the Stucki property shall be brush hogged to allow for safe access and removal of the hazard trees along Esopus Creek. Invasive shrubs have been marked for removal by UCSWCD and Restaino Designs.
- g. Future tree removal on this site during the preparation phase needs to be coordinated between the Town of Olive and Ulster County Soil & Water Conservation District.
- h. UCSWCD shall be given notice prior to commencing work on site.

**Task 2 –Debris Removal**

**Cost not to Exceed \$10,000**

- a. The Town of Olive shall hire a contractor or perform this task with town resources (i.e. highway department staff) to remove organic flood debris and trash from the identified Boiceville Riparian Areas to facilitate treatment of invasive plants and future establishment of a native riparian buffer.
- b. Debris removal shall occur immediately following removal of the hazard trees on site and completed by June 2024.
- c. Debris removal, handling, and disposal must occur within the boundaries of all local and state regulations.
- d. A site showing for debris removal shall be held when selecting the appropriate contractor. Staff from UCSWCD must be present during the site showing to assist in determining what debris shall be removed.

- e. If additional debris are deposited on site during the phase 1 site preparation timeframe, coordination with UCSWCD must occur prior to additional debris removal.
- f. UCSWCD shall be given notice prior to commencing debris removal work on site

**Task 3 – Storm Water Retrofit for Rosen Road**

**No cost committed for this task**

Stormwater that flows down Rosen Road has created gully erosion into area of the future Boiceville Riparian Area at the Stucki Property. This erosion will ultimately threaten restoration efforts and has negative effects on water quality.

- a. UCSWCD and The Ashokan Watershed Stream Management Program will work with the Town of Olive to identify alternative funding avenues for this task.
- b. This work shall be completed by September 2025 to facilitate future restoration project phases.

**Task 4 – Trail Construction and Landscape Features**

**Cost not to Exceed \$10,000**

- a. A walking trail that connects the streamside parcels in the Boiceville Riparian Area shall be constructed.
- b. Trail construction plans shall be drawn up and approved the UCSWCD to ensure impacts to the riparian area are minimal.
- c. The main ADA compliant trail shall be placed higher on the terrace to minimize risks of flood damage. Finger access spurs off the main trail through the riparian area must be constructed with natural materials (e.g. bluestone pavers, cobble stones, gravel, ect.) as to not pollute the waterway with trash during future flood events.
- d. Provisions in the plan should address any drainage crossings necessary to allow for proper drainage of the Boiceville floodplain. Crossings must be adequately sized to not create backwater concerns.
- e. Where feasible the trail shall be ADA compliant to accommodate all visitors.
- f. Any trail construction shall use permeable materials to allow for proper infiltration.
- g. This task shall be completed in summer of 2025 to facilitate future site restoration plans.