HUNGRY RUN SECTION 319 STREAM RESTORATION & STORMWATER MITIGATION PROJECT
ATTACHMENT A1: SCOPE OF WORK

1) Goals

The goals of this project are to design and permit a natural stream design for 1,300 ft. of Hungry Run, mitigate the stormwater runoff for an estimated 37,517 sq. ft. of impervious area, and to provide for an educational area/station in the borough park. The purposes of the goals are to reduce nonpoint source pollution, re-establish an ecologically healthy riparian corridor, and provide for community education. In addition to this, there are specific design goals as well. It is important to note the goals of Phase II for this project, even though a Phase II contract will not be awarded at this time, the Phase II goals and deliverable are part of the overall project, and the proposal is being evaluated on both phases.

a. Phase I Goals:

The phase I goals are: develop a natural stream design and practices that provide for natural stabilization, floodplain and habitat restoration on approximately 1,340 ft. of Hungry Run (including riparian buffers when applicable), design for stormwater mitigation at the Burnham Lions Club for an estimated 37,517 sq. ft. of impervious area, and design and locate educational platform(s) that can be used as teaching tools for the community with and without instruction on site. Also, a goal of Phase I is to receive all necessary permits and approvals; local, state, and federal, that are necessary to complete the project. The Contractor will be responsible for determining which permits are needed, and obtaining them. In addition to these goals, the project must also meet the existing site uses and needs of the landowners. This includes, but is not limited to, accounting for sewer and other utility lines in the design and their ongoing maintenance, the landowners' limited ability to perform complex maintenance on BMPs, impacts from the public, and parking needs.

b. Phase II Goals:

The phase II goals are to construct the project, including all stream restoration practices, fish habitat structures, stormwater BMPs, and educational components of the design for the approximately 1,340 ft of Hungry Run and an estimated 37,517 sq. ft of impervious area. The construction shall be in accordance with the design and permits of Phase I of the project. In addition to the design, the contractor will provide as-built plans and reports, including a final report, as well as post construction monitoring.

2) Deliverables

a. Phase I Deliverables:

Deliverables will be an engineered design of the entire restoration project, and all approved permitting for said project. This design will incorporate BMPs that take into account landowners' abilities and needs and are sound practices, as well as a public education platform, signage, or something similar. The design will be acceptable with all landowners, which will be determined with assistance from MCCD. The BMPs will be consistent with the *Stormwater Best Management Practices Manual* and the *Guidelines for Natural Stream Channel Design in Pennsylvania Waterways* as much as the site constraints allow. Incorporate an educational platform(s) in the design for the Playground property. Total Project Cost not to exceed $26,125.

b. Phase II Deliverables:

The phase II deliverables are the following: site stake-out, site preparation, construction, as-built plans and reports, post construction monitoring, materials (on and off site), restoration, re-vegetation, final report, and site closeout. Total project cost not to exceed $135,000.

TASKS AND DELIVERABLES

Identify each deliverable, title, dollar amount, estimated date of completion for deliverable, person responsible for task, and associated tasks (including tasks provided as match).

PHASE I Deliverable #: 1			
Title: PROJECT DESIGN			
Dollar Amount for Grant Request:		**Match Dollar Amount:**	**Total Cost:**
Estimated Date of Completion for Deliverable:			
Salary Staff/Contractor/Match Contributor:		**Tasks:**	
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PHASE I Deliverable #: 2		
Title: PERMITTING		
Dollar Amount for Grant Request:	**Match Dollar Amount:**	**Total Cost:**
Estimated Date of Completion for Deliverable:		

Salary Staff/Contractor/Match Contributor:		**Tasks:**
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PHASE II Deliverable #: 1		
Title: Site Stakeout, Site Preparation, materials (On and off-site),		
Dollar Amount for Grant Request:	**Match Dollar Amount:**	**Total Cost:**
Estimated Date of Completion for Deliverable:		

	Salary Staff/Contractor/Match Contributor:	**Tasks:**
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PHASE II Deliverable #: 2		
Title: Construction, Construction Oversight, restoration, re-vegetation		
Dollar Amount for Grant Request:	**Match Dollar Amount:**	**Total Cost:**
Estimated Date of Completion for Deliverable:		

Salary Staff/Contractor/Match Contributor:		**Tasks:**
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PHASE II Deliverable #: 3		
Title: As-Built Plans and Reports, Post Construction Monitoring, Final Report, Site Closeout		
Dollar Amount for Grant Request:	**Match Dollar Amount:**	**Total Cost:**
Estimated Date of Completion for Deliverable:		

Salary Staff/Contractor/Match Contributor:		**Tasks:**
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