



## **REQUEST FOR FEE PROPOSAL STORMWATER AND GREEN INFRASTRUCTURE PLANNING SERVICES**

March 15, 2021

### **Mellon Park Action Plan Mellon Park- Pittsburgh, PA**

The Pittsburgh Parks Conservancy is seeking a qualified professional engineer to provide stormwater and green infrastructure planning services for the Mellon Park Action Plan. The selected consultant will work closely with Conservancy staff to review and assess existing stormwater infrastructure in Mellon Park, identify options and opportunities for green infrastructure, and provide guidelines for incorporating green infrastructure into the overall Action Plan vision. Additional roles and responsibilities are described in the 'Deliverables' section of this document.

#### **PROJECT DESCRIPTION:**

The Pittsburgh Parks Conservancy is partnering with the City of Pittsburgh to develop an Action Plan for Mellon Park. The goal of the Action Plan is to create a unified vision for Mellon Park driven by community input through a thorough engagement process with residents, park users, City partners, and other stakeholders and agencies. The Action Plan will serve to guide all future planning, development, and improvement opportunities in and around Mellon Park to ensure its status as one of Pittsburgh's signature parks and open spaces.

Situated at the top of the Negley Run Watershed, the Conservancy recognizes that Mellon Park has the potential to provide significant stormwater, green infrastructure, and ecological improvements to the surrounding community. The Action Plan will seek to ascertain Mellon Park's potential to improve stormwater management for the Negley Run Watershed, and identify green infrastructure strategies that meet stormwater management goals while balancing the preservation of key historic and cultural assets, ecological enhancements, and programming needs. A successful project will identify realistic and appropriate stormwater and green infrastructure improvement projects that respond to community feedback while respecting the historic and cultural significance of the park, including protections afforded to the park through its new designation as an historic site.

## **DELIVERABLES:**

### TASK 1- Stormwater Infrastructure Review and Analysis

Review, assess, and map the existing stormwater management infrastructure and relevant data to understand how stormwater is currently managed in the park, and how it contributes to the City's overall stormwater management system and the Negley Run Watershed. The stormwater infrastructure review and analysis shall include, but not be limited to, the following:

- Review of existing mapping and data available through Three Rivers Wet Weather, the City of Pittsburgh, PWSA, ALCOSAN, or other resources;
- On-site review of existing stormwater infrastructure, including identifying the approximate location, size, and type of drainage structures, general pipe size and direction of flow, and general condition of existing infrastructure;
- Develop a base map depicting the general locations, layout, and flow direction of the existing stormwater infrastructure system;
- Provide preliminary stormwater calculations for the park, identifying peak flow rates and volumes, and how they contribute to the City's overall stormwater management system.

The goal of the analysis is to ascertain a general understanding of the condition and functionality of the existing stormwater infrastructure system and its contributions to the city system, to plan for future improvements. The analysis is not intended to be an exhaustive study or documentation of existing infrastructure conditions. The consultant shall include in their proposal the scope, fee, and level of detail they believe, in their professional opinion, is adequate to meet the task objectives.

The consultant should assume a minimum of one (1) coordination meeting with appropriate personnel from the City of Pittsburgh, ALCOSAN, PWSA, and 3RWW, and one (1) meeting with Conservancy staff to review analysis materials. The consultant should assume a minimum of two (2) site visits to review existing infrastructure.

### TASK 2- Review Existing Planning Documents

Review existing planning documents or studies performed by various agencies as it pertains to stormwater, CSO's, green infrastructure, and other related issues in and around Mellon Park, adjacent neighborhoods, or the greater Negley Run Watershed. At a minimum, the consultant should familiarize themselves with the following:

- ALCOSAN Clean Water Program
- ALCOSAN Controlling the Source, full document as well as Mellon Park specific suggestions  
[https://amrgeo.jacobs.com/jasper/rest/services/Alcosan/ALCOSAN\\_CtS\\_WebMap/MpServer/0/2407/attachments/5250](https://amrgeo.jacobs.com/jasper/rest/services/Alcosan/ALCOSAN_CtS_WebMap/MpServer/0/2407/attachments/5250)
- Negley Run Watershed Implementation Plan
- Negley Run Watershed resources on Living Waters of Pittsburgh website,  
[www.livingwaterspgh.org](http://www.livingwaterspgh.org)
- PWSA Watershed Implementation Plan
- PWSA Green First Plan

- RAND Managing Heavy Rainfall with Green Infrastructure: An Evaluation in Pittsburgh's Negley Run Watershed
- City of Pittsburgh Title 13 - Stormwater Management Ordinance

The goal of this study is understand what potential role Mellon Park can play in addressing the City's stormwater and CSO issues, with specific focus on the Negley Run Watershed. The consultant shall provide a brief memorandum summarizing and identifying opportunities, constraints, and potential impacts Mellon Park may present to previous planning studies.

The consultant should assume a minimum of one (1) coordination meeting with appropriate personnel from the City of Pittsburgh, ALCOSAN, PWSA, and 3RWW, and one (1) meeting with Conservancy staff to review analysis materials.

### TASK 3- Concept Development

Upon review and analysis of existing stormwater infrastructure and planning documents, develop concepts for integrating green infrastructure and stormwater management in Mellon Park. Concepts should identify potential locations of stormwater management and green infrastructure, as well as identifying appropriate applications of best management practices including but not limited to: rain gardens, vegetated swales, porous pavements, underground storage, stormwater capture (for irrigation), and vegetative cover (such as dry or wet meadows).

Proposed stormwater management solutions must balance the site's cultural and historic significance and provide adequate space for park program and uses. Stormwater management and green infrastructure concepts will be integrated into design concepts being developed by the Conservancy and presented to the public for comment and feedback. The consultant should assume that a minimum of three design concepts will developed, each varying the size and location of programmatic elements and stormwater management features.

The consultant should assume a minimum of one (1) coordination meeting with Conservancy staff to review stormwater design concepts and discuss strategies to integrate into site design concepts.

### TASK 4- Preferred Plan Development

Based on community, City, and stakeholder feedback, develop a preferred plan for integrating green infrastructure and stormwater management in Mellon Park. The preferred plan should identify the locations and types of green infrastructure as part of the overall Preferred Plan. The consultant shall provide preliminary stormwater calculations indicating the reduction in peak flow rates and volumes, and highlighting the benefits of the stormwater management design. The consultant shall also provide an allowance for preliminary soils or infiltration testing at proposed green infrastructure locations to ensure the feasibility and viability of the proposed improvements.

The consultant should assume a minimum of one (1) coordination meeting with Conservancy staff to review the preferred stormwater design and discuss strategies to integrate into the overall preferred plan for Mellon park.

### TASK 5- Community Engagement Meetings

The consultant shall provide an allowance for attending up to four (4) community engagement meetings, as required and requested by the Conservancy.

### TASK 6- Implementation Guidelines

The consultant shall provide recommendations and guidelines for the implementation of proposed stormwater management improvements, which shall be integrated into the recommendations of the final Action Plan. The recommendation guidelines shall include prioritization of improvements, anticipated permitting requirements, design and materiality recommendations, preliminary cost estimates, and other guidelines as required to ensure the successful implementation of future stormwater management and green infrastructure improvements.

The consultant should assume a minimum of one (1) coordination meeting with Conservancy staff to review implementation guidelines for consideration and inclusion in the final document.

### **PROJECT SCHEDULE (Subject to Change)**

Deadline for Proposals	March 26, 2021
Consultant Selected/Notice to Proceed	March 31, 2021
Kick-off Meeting	April 5, 2021
TASK 1-Stormwater Infrastructure Review and Analysis	April 22, 2021
TASK 2-Review Existing Planning Documents	April 22, 2021
TASK 3-Concept Development and Review	August 15, 2021
TASK 4-Preferred Plan Development and Review	October 15, 2021
TASK 5-Implementation Guidelines	November 30, 2021

### **PROFESSIONAL FEE**

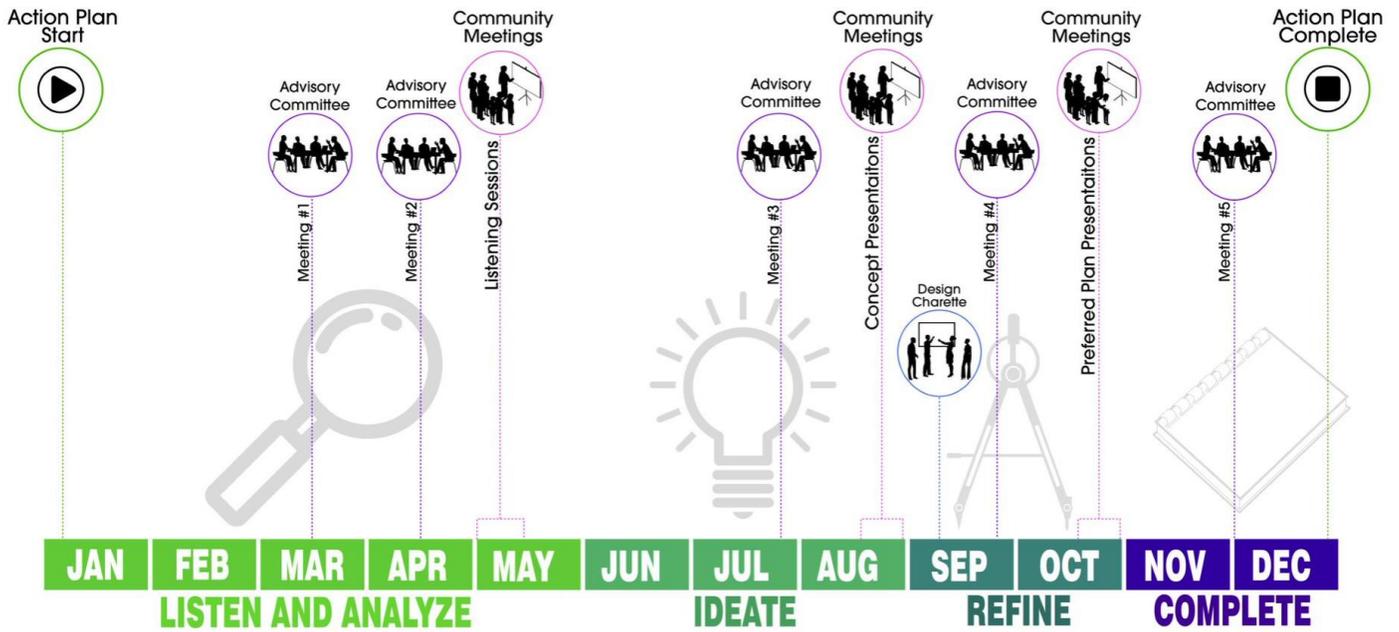
The estimated design fee for the scope of work is **\$18,000**. Consultants are expected to estimate their design fees accurately and completely to deliver the project scope and meet the project schedule.

### **PROPOSAL FORMAT:**

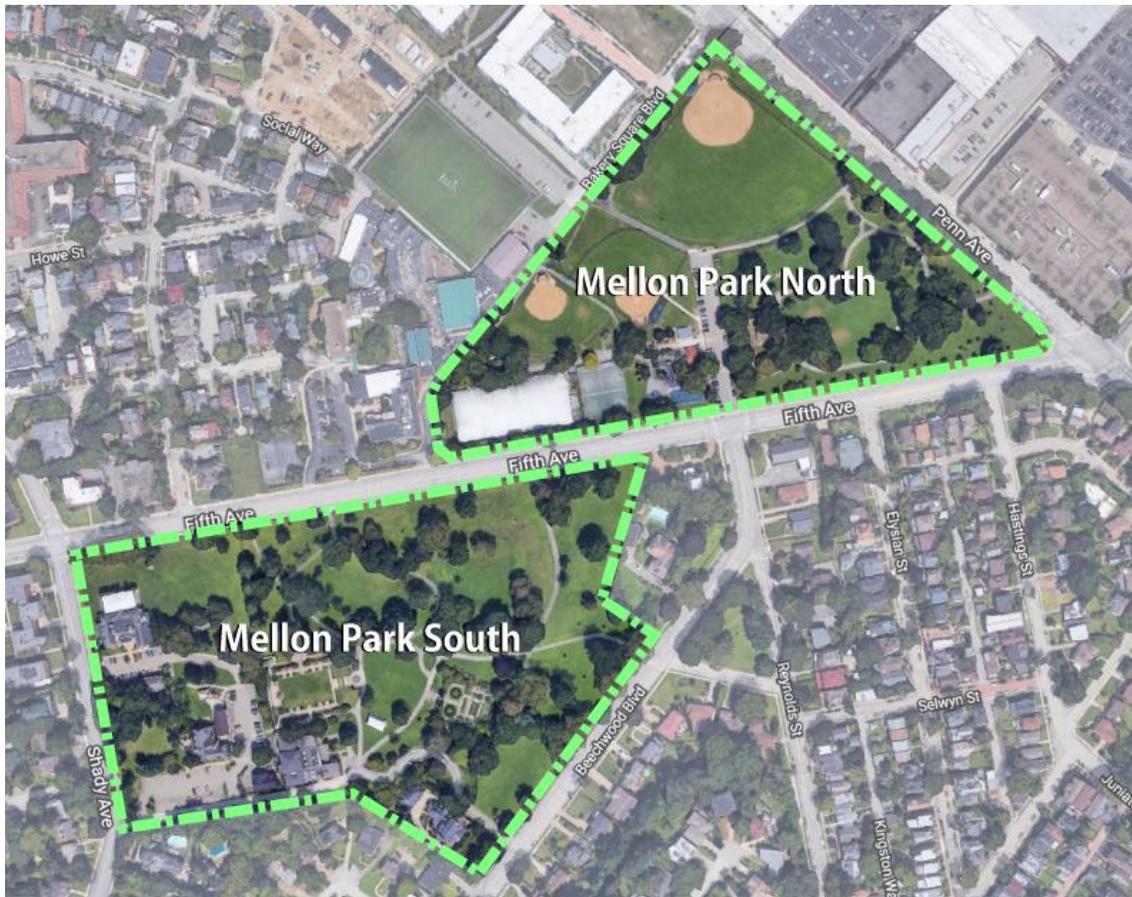
Proposals should be submitted in a letter format and shall identify the total lump design fee, accompanied by a detailed fee breakdown for the various tasks outlined in the “Deliverables” section of this RFP. Any assumptions, exclusions, allowances, or extras must be explicitly identified.

Proposals shall be due by **3:00 PM, Friday, March 26, 2021**.

**EXHIBITS:**



*Project Schedule*



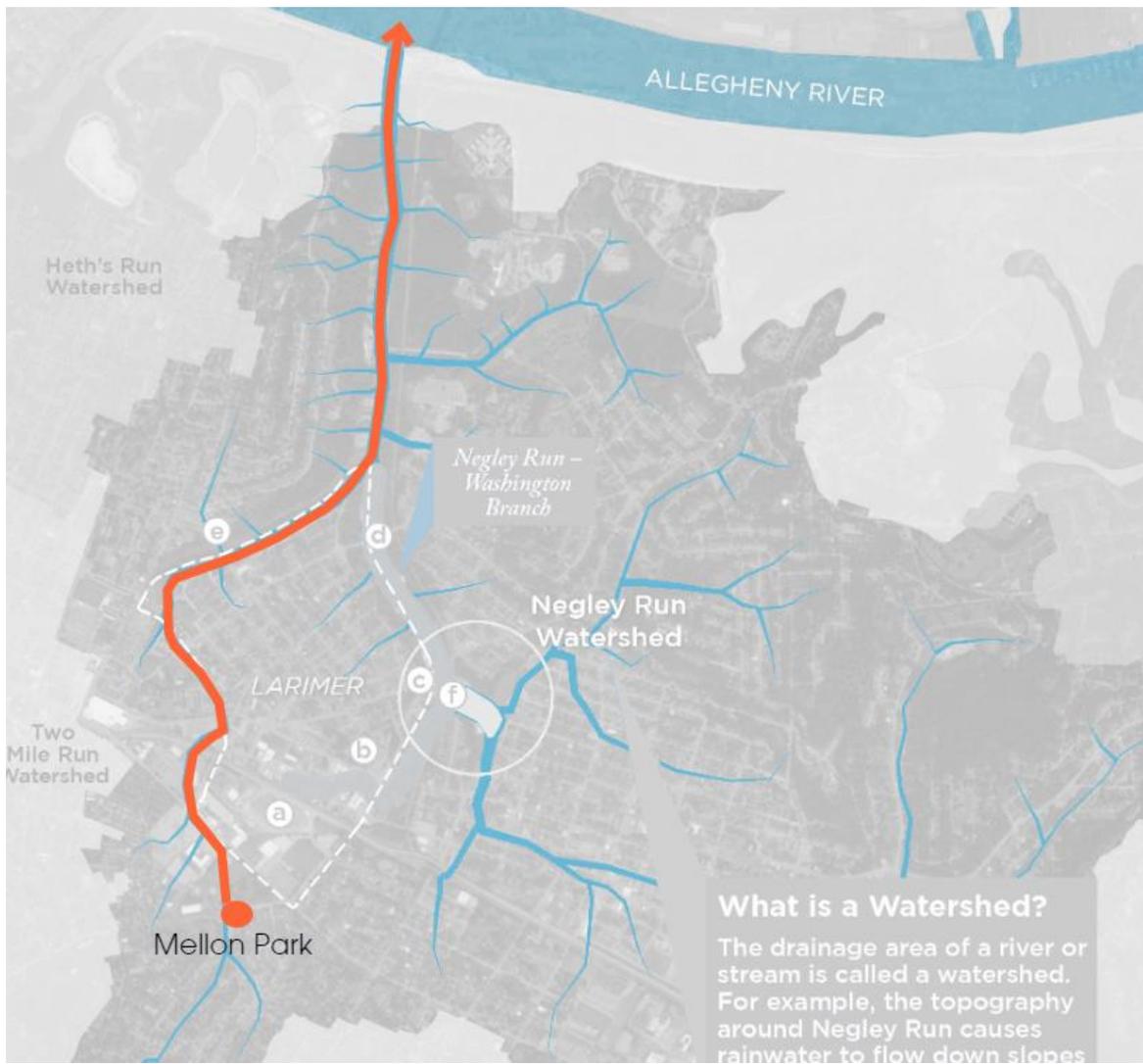
*Mellon Park*



*Neighborhood Context*



*City watershed context*



*Negley Run Watershed Context*