

Lebanon Valley Conservancy, Inc.

770 Cumberland St. Suite A

Lebanon PA 17042

717-273-6400

April 18th, 2022

RA-EPSCROWATERSHEDGR@pa.gov
William Severs, Watershed Manager
Department of Environmental Protection
South-central Regional Office
909 Elmerton Avenue | Harrisburg, PA 17110

Subject: C990000639, Submission of Quarterly Work Progress Report

RE: Project Progress Quarterly Report for the 1st Quarter 2022, Grant Document/Contract Number C990000639, Water Quality Improvement Grant, "**Snitz Creek No. 2, Quittapahilla Watershed**", Lebanon Valley Conservancy, Inc.

Dear William Severs:

Enclosed please find our 1st Quarter 2022 Project Progress report for our Grant. Report is for the period 01/01/22 to 03/31/22.

The report and includes the following form and documents:

- DEP Work Progress Form Report
- Clear Creeks Consulting Project Progress Narrative

If you have any questions, please contact me at 717 821 2021 or email me.

Sincerely,


Edward B. Gibble, LVC

Work Progress Report (Complete for Each Deliverable – Including those with no activity)

DEP Project Advisor: William Severs Report Period: 01/01/2022 to 03/031/2022

Grantee: Lebanon Valley Conservancy Inc. Document Number: C990000639

Project Name: Snitz Creek No. 2, Quittpahilla Watershed

This Progress Report completed by: (name): Edward Gible

Deliverable #: 1 Deliverable Title: Snitz Creek Project #2-Design and Permitting

Deliverable % Complete and Status:

Deliverable % complete: 35%. Work on Task 1, Existing Conditions Survey and Base Map, was conducted for verification of sewer locations. Task 2, Hydraulic and Hydraulic Analysis, utilizing HEC-HMS model for peak discharge and calibrated, model to be run. Task 4, Preliminary Design, Profiles and cross sections are being

Deliverable #: 1 continued Deliverable Title: Snitz Creek Project #2-Design and Permitting

Deliverable % Complete and Status:

converted to CAD drawings. Task 6, Prepared wetlands delineation report based on field assessment and photo documentation.

Deliverable #: N/A Deliverable Title: _____

Deliverable % Complete and Status:

Deliverable #: N/A Deliverable Title: _____

Deliverable % Complete and Status:

**If the project has more than four deliverables, this page may be duplicated.

Proposed Activities for Next Quarter: Task 3, complete Field Studies and Design Criteria. Finish Task 2, Hydraulic, Task 4, Preliminary Design, work on Task 6, Local, State and Federal permit Applications.



CLEAR CREEKS CONSULTING

1317 Knopp Road, Jarrettsville, Maryland 21084

(410) 692-2164

April 4, 2022

Mr. Ned Gibble
The Lebanon Valley Conservancy
752 Willow Street, Suite E
Lebanon, PA 17046

Re: Snitz Creek 2 Stream Restoration Project Status Report

Dear Mr. Gibble:

As you know, after July 20, 2019, Clear Creeks halted all work on this project because the Krall Family had reconsidered their participation in the project. From that point forward the Cornwall Borough was negotiating the purchase of the land necessary for the project from the Kralls. On January 4, 2022, we were informed that a sales agreement for Kralls land had been signed with closing on April 22, 2022.

In anticipation of the finalization of the Borough's land acquisition, my team restarted work on the project. This Status Report will update you on the work completed for the period including, January 31, 2022, through March 31, 2022. The attached invoice shows services provided and percent completed. The following is a summary of tasks completed as reflected on the invoice.

Task 1.0 – Existing Conditions Survey and Base Map Preparation

1. Reinitiated and completed base map preparation.
2. Field verified horizontal and vertical locations of sanitary sewer lines and manholes along the project reach. This information was added to the base maps.

Task 2.0 – Hydrologic and Hydraulic Analysis

1. Utilizing the HEC-HMS hydrologic model (TR-20) peak discharge rates for the 1-, 2-, 10-, 50- and 100-year 24-hour storms under existing conditions were developed for the project reaches. The model was calibrated to regional regressions and the FEMA 100-year published flow data.
2. Utilizing the 1-, 2-, 10-, 50 and 100-year flows developed from the hydrologic analysis, an existing conditions hydraulic analyses was conducted for the project reaches. The HEC-RAS model was used to approximate and model existing water surfaces and hydraulic parameters associated with these flow events.
3. After the Preliminary Design is entered into a CAD format, the proposed conditions hydraulic model will be run.

Task 4.0 – Preliminary Design

1. Utilizing the base maps, hand-drawn Preliminary Design Plans were prepared including plan view alignment, longitudinal profile and cross-sections and a preliminary landscape plan for the Snitz Creek corridor. The hand-drawn plans will be converted into CAD drawings.

Task 6 – Local, State and Federal Permitting

1. Prepared Wetland Delineation Report based on the field assessment conducted in 2019 and reverified in 2022. Photo-documentation of current conditions.

With this invoice of \$23,235.70 Clear Creeks Consulting has billed a total of \$52,832.62 or 35.0% of the total Design and Permitting Phase budget for services for the Snitz Creek 2 Stream Restoration Project.

Please let me know if you have any questions.

Sincerely,



Rocky Powell

Enclosure: Invoice #2022-03