

Lebanon Valley Conservancy, Inc.

770 Cumberland St. Suite A

Lebanon PA 17042

717-273-6400

October 15th, 2022

RA-EPSCROWATERSHEDGR@pa.gov
Stephen Chervenyak, 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 3rd Quarter 2022, Grant Document/Contract Number C990000639, Water Quality Improvement Grant, "**Snitz Creek No. 2, Quittapahilla Watershed**", Lebanon Valley Conservancy, Inc.

Dear Mr. Stephen Chervenyak:

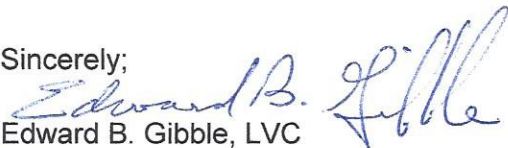
Enclosed please find our 3rd Quarter 2022 Project Progress report for our Grant. Report is for the period 07/01/22 to 09/30/22.

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: Stephen Chervenyak Report Period: 07/01/22 to 09/30/22

Grantee: Lebanon Valley Conservancy Inc. Document Number: C990000639

Project Name: Snitz Creek No. 2, Quittpahilla Watershed

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

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

Deliverable % Complete and Status:

Deliverable % complete: 83%. Task 1, 100% complete. Task 2, Hydraulic and Hydraulic Analysis 80% complete. Task 3, 100% complete, Task 4, 100% complete. Task 5, Final Design and Report, 100 % complete. Some adjustments to channel profile made and final design plans are complete. Task 6, 65% complete. Local, State, and Federal

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

Deliverable % Complete and Status:

.Permitting and Cornwall Brough engineers has approve Final Design Plans and Hyraulic Modeling report.

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 6, Local, State and Federal permit Applications: Submitt Final Design PLans and E&S Controll Plan to Lebanon County Conservation District for review and approval and finalize On-line submission to PADEP and US Army Corps of Engineers by mid October.



CLEAR CREEKS CONSULTING

1317 Knopp Road, Jarrettsville, Maryland 21084

(410) 692-2164

October 7, 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:

This Status Report will update you on the work completed for the period including, July 1 through September 30, 2022. The attached invoice shows services provided and percent completed. The following is a summary of tasks completed as reflected on the invoice.

Task 2.0 – Hydrologic and Hydraulic Analysis

1. The stability concerns that were raised by the first run of the hydraulic model noted in our last report were addressed by minor adjustments to the proposed grading and the addition of toe boulders, boulder runs and rock walls at key locations. However, the model also indicated that, in spite of the floodway created by the proposed grading, the 100-YR water surfaces would overtop the banks and impact the yards along the Dowd, Stoner and Krissinger Properties. It took multiple adjustments to the proposed grading and multiple model runs before we could confidently say that, with the exception of the area immediately upstream of Culvert Street, the proposed floodway would contain the 100-YR flow without impacting these properties. The existing conditions hydraulic model indicates that the area upstream of Culvert Street currently floods most likely due to the undersized culvert pipe beneath the road. The creation of a floodway along the restored stream reaches could not address this issue.

Task 5.0 – Final Design and Final Design Report

1. Adjustments to the proposed channel profile were necessary to avoid impacting private utilities on the Stoner and Krissinger Properties.
2. As noted above, the initial run of the hydraulic model indicated that the 100-YR water surfaces would overtop the banks and impact the yards along the Dowd, Stoner and Krissinger Properties. It took multiple adjustments to the proposed grading and additional model runs to confirm that with the exception of the area immediately upstream of Culvert Street, the proposed floodway would contain the 100-YR flow without impacting these properties. Final Design Plans have been completed.

3. The Final Design Report has been completed.

Task 6 – Local, State and Federal Permitting

1. During the Pre-Application site walk with the permitting agencies, it was suggested that the project may require an NPDES Permit because the soybean field that will be excavated to create the wetland area is currently uplands. To determine whether that was the case I contacted Mr. Sean M. Furjanic, Program Manager, PADEP, NPDES Permitting Division. He confirmed that if the upland area is part of the project and the proposed work is covered by an approved Erosion and Sediment Control Permit it does not require an NPDES Permit.
2. I coordinated with the Cornwall Borough on their engineers review of our Final Design Plans and Hydrologic and Hydraulic Modeling Report. We received a letter from Jeff Steckbeck, P.E. indicating the report was acceptable and the project meets the Borough Floodplain Management regulations.
3. I will be submitting the Final Design Plans and Erosion and Sediment Control Permit Application to the Lebanon County Conservation District staff for their review and approval on Monday October 10, 2022.
4. I am finalizing the Permit Application for On-Line submission to PA Department of Environmental Protection and the US Army Corps of Engineers before close of business on Friday, October 14, 2022.

With the attached invoice of \$27,127.88 Clear Creeks Consulting has billed a total of \$126,091.20 or 91.4% 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 #2022-14