



Environmental Stewardship/Watershed Protection Grant

Scope of Work

(Please Type or Print Legibly)

- 1. Project Name: X Creek Stream Restoration Project
- 2. Grantee: Z County Conservation District
- 3. Contact Person: Joe Miller
- 4. Telephone Number: 888-888-8888
- 5. E-mail: jmillier@Zcountyconservationdistrict.com
- 6. Project Location: Y Township, Z County

7. Briefly identify the specific goals and objectives of the project:

To protect and stabilize the streambank along an 800 foot section of X Creek by fencing out cattle, planting a 50 foot wide riparian forested buffer, and installing necessary in-stream structures.

8. Expected measurable environmental results (i.e. acres reclaimed, feet of stream bank protected, miles of stream improved, individuals trained, etc.)

800 feet of X Creek streambank protected and stabilized and one acre of planted riparian forested buffer which will result in nutrient and sediment load reductions to the stream.

9. Are any permits required to complete this project? Yes No

If yes, specify. Indicate if the permits have been approved or not.

Chapter 105 Joint Permit. Permit will be submitted as part of this grant.

10. Are any water samples to be collected? Yes No

If yes, identify:

- a. Number of sample points 3
- b. Organization providing sampling personnel Z County Conservation District and Consultant A
- c. Sample collection frequency quarterly water samples and one time /year macroinvertebrate sampling for three years.
- d. Laboratory performing analyses ABC Laboratory Inc.

If acid mine drainage is present within the project area, water samples upstream and downstream of the drainage must be collected.

11. Are any property easements required?

- No
- Yes, executed Agreement(s) provided to Department
- Yes, submit executed Agreement(s) prior to commencement of work

If Yes Agreement provided to Department, please identify landowner(s) _____

12. Is a Landowner-Grantee Agreement(s) required?

- No, not applicable for this project
- No, Grantee is landowner (Grantee Landowner Conditions attached)
- Yes, executed Agreement(s) provided to Department
- Yes, submit executed Agreement(s) prior to commencement of work

13. Will subcontractors be utilized? Yes No

If yes, specify the name and work function of the subcontractor and their FID # or describe the process by which they will be selected.

Consultant A ,already on contract with the District will do macroinvertebrate sampling and analysis - FID# 000000000. ABC Laboratory Inc. - water sample analysis - FID# 123456789.
Contractor to be bid - will provide name and FID# to DEP for approval prior to commencing work.

14. TASKS AND DELIVERABLES

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

In addition to the below identified deliverables, grantees are required to submit Quarterly Work Progress Reports, Quarterly Applications for Reimbursement, Final Report, Final Application for Reimbursement, Goals and Accomplishments Worksheet, PA Stream Buffer Tracking Form (if necessary), and AMD Treatment System Form for Datashed (if necessary). Refer to Attachment E, Special Conditions.

Deliverable #: 1	
Title: Design, Permitting, and Contract Bid	
Estimated Date of Completion for Deliverable: 03/31/2015	
Salary Staff/Contractor/Match Contributor:	Tasks:
• Z CCD Conservation Technician	Survey
• Z CCD Engineer	Design
• Z CCD Engineer	Permit preparation and submittal
• Z CCD Engineer	Bid package preparation, on-site pre-bid meeting, review bids, select contractor
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Deliverable #: 2	
Title: Construction	
Estimated Date of Completion for Deliverable: 11/30/2015	
Salary Staff/Contractor/Match Contributor:	Tasks:
• Contractor - to be determined	Site preparation, install fencing, install in-stream structures
• X Creek Watershed Association Volunteers	Planting
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Deliverable #: 3	
Title: Monitoring	
Estimated Date of Completion for Deliverable: 12/31/2017	
Salary Staff/Contractor/Match Contributor:	Tasks:
• Z CCD Conservation Technician	Collect samples for water monitoring
• Consultant A	Macroinvertebrate assessment
• ABC Laboratory Inc.	Water sample analysis
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Deliverable #: 4	
Title: Project Management and Administration	
Estimated Date of Completion for Deliverable: 12/31/2017	
Salary Staff/Contractor/Match Contributor:	Tasks:
• Z CCD Project Manager	Overall project management, preparation of work progress reports and final report.
• Z CCD Administrative Assistant	Preparation and submittal of invoices and submittal of other grant related documents.
• Z CCD	Office overhead
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15. Project Budget

Grant Amount:	\$34,436
Match Amount (15% cash and/or in-kind):	\$9,990.75
Total Project Costs:	\$44,426.75