


ATTACHMENT A
To the GRANT AWARD AGREEMENT
Between Lexington-Fayette Urban County Government (LFUCG) and
Friends of Wolf Run Inc.
(BMP Retrofit Planning Project)

- GRANT PROGRAM:** FY2012 Stormwater Quality Projects Incentive Grant Program
Class A (Neighborhood) Projects
- Funded through the LFUCG Water Quality Management Fee
 - Administered by the LFUCG Division of Water Quality in the Department of Environmental Quality & Public Works

PROJECT TEAM AND CONTACT INFORMATION

Organization: Friends of Wolf Run, Inc.
639 Cardinal Lane
Lexington, KY 40503
859-619-2233
KY Organization #: 0612068 

Organization President: **Bruce Hutcheson**
friend@wolfrunwater.org

Primary Project Contact and Project Manager: **Tim Joice**
859-948-6803
tsjoice@gmail.com

Secondary Project Contact: **Ken Cooke**
Secretary, Friends of Wolf Run
859-276-1253
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PROJECT PLAN ELEMENTS

This project will serve as a catalyst to help implement Stormwater Best Management Practice, (BMP) retrofits in the Wolf Run Watershed, and will serve as a template for BMP retrofitting in future high priority areas. The project elements include:

- 1) ***DEVELOP ArcGIS GEOSPATIAL MODEL IDENTIFYING RETROFIT SITES:***
A geospatial model, or tool, shall be developed to help identify high priority parcels that need BMP retrofitting for stormwater quality treatment and stormwater runoff reduction using ArcGIS. Development will be based on framework developed by Natural Resources Conservation Service, called the Land Evaluation and Site Assessment system, (LESA). The model will contain attributes, or features, of a site or areas that are desirable for stormwater BMP retrofits. These attributes will be grouped into three categories: environmental, socio-cultural, and infrastructural. Through geospatial analysis and evaluation methods this GIS model will result in maps that convey high priority areas, and will provide parcel-based scores for site prioritization.
- 2) ***DEVELOP STORMWATER BMP WORKBOOK MANUAL:***
A manual will be developed (tentatively titled *Stormwater BMP Workbook for Parcels in Wolf Run Watershed*) which will include:
 - detailed summary of geospatial methods utilized in GIS Model. ;
 - encyclopedia of stormwater BMPs that are applicable to this region. The specific Encyclopedia has not yet been chosen;
 - typology of parcel types in the Wolf Run Watershed and Stormwater BMP retrofits appropriate for various parcel types;
 - examples to demonstrate how Stormwater BMPs can be implemented on each parcel, benefits they provide, and their estimated cost;

3) PROPERTY OWNER CONTACTS ABOUT RETROFIT POTENTIAL:

The intent of the manual is to provide the Friends of Wolf Run the information they need to approach landowners of high priority parcels and suggest opportunities in which they can have a positive impact on stormwater problems in the Wolf Run watershed through water quality improvements, and share funding opportunities such as the LFUCG Incentive Grant program.

For this project, Friends of Wolf Run shall approach at least 5 “high priority” property owners using the data developed by the model and provide those results to LFUCG in the grant reports.

REPORTING REQUIREMENTS

In addition to the reporting requirements outlined in the Grant Award Agreement, the following special items are noted for this project: None.

ADDITIONAL GRANT STIPULATIONS

Note the following additional stipulations related to this project:

- All project deliverables will be incorporated (by LFUCG) into the Wolf Run Watershed-Based Plan currently under development by LFUCG;
- LFUCG GIS has agreed to provide the required GIS data sets to Friends of Wolf Run, Inc. at no charge for use on this project;
- The Applicant understands that LFUCG GIS staff will not be available to perform work associated with this project other than delivery of existing data sets;

EQUIPMENT

Any equipment purchased with the Grant shall remain the property of the Organization.

PERMANENT FACILITIES/INFRASTRUCTURE

Permanent Capital Infrastructure: This grant does not include “Permanent Capital Infrastructure” as defined in the Grant Award Agreement. Attachment B is not required for this Agreement.

GRANT PERIOD & PROJECT SCHEDULE

The grant period starts on the date of execution of the Grant Award Agreement by the Mayor and extends for the time period as listed in the Grant Award Agreement. Any time extensions must be approved in writing by the LFUCG Incentive Grant Manager. The project schedule shown in Table 1 is preliminary. Proposed changes to the project which alter this schedule significantly shall be discussed with the LFUCG Grant Manager prior to implementation.

Table 1. gives the anticipated project schedule.

TABLE 1. PROJECT SCHEDULE – BMP Retrofit Planning Project

Activity	Anticipated Date (s)
Approval of Grant Award Agreement and Notice to Proceed (NTP)	NTP to be determined
Acquisition of ArcGIS software & GIS Data Acquisition from LFUCG	Within 1 month of NTP
GIS Data Processing & Model Refining	3-5 months
Map Creation	1-2 months
BMP Workbook Creation	4-5 months
Printing of final products to give to Friends of Wolf Run	December 2012
Project Final Report	January 2013
Payment of 3% Retainage	After receipt of Project Final Report

PROJECT BUDGET – GRANT ELIGIBLE EXPENSES & ORGANIZATION MATCH

Table 2. Lists the Eligible Expenses for this project. Only properly invoiced items shall be reimbursed with grant monies or counted toward the Organization’s match.

Any work performed on this project prior to grant award by Urban County Council and Notice To Proceed from the LFUCG Grant Manager is NOT an eligible expense and shall not be reimbursed or counted toward the match.

BUDGET TABLE: FRIENDS OF WOLF RUN, INC. - BMP RETROFIT PLANNING PROJECT

Type of Expense	Participants	Item	Unit Price	Quantity	Funded by Organization	Funded by Grant	Total Expense
Project Element: Grant Management							
Volunteer Hours	Friends of Wolf Run	Grant Management: Meetings, product review, accounting and report submission	\$ 7.25 per hour	10	\$ 72.50	\$ -	\$ 72.50
Project Element: Property Owner Contacts about Retrofit Potential							
Volunteer Hours	Friends of Wolf Run	Approaching landowners - assume 5 contacts for 3 hours each.	\$ 7.25 per hour	15	\$ 108.75	\$ -	\$ 108.75
Project Element: Develop ARCGis Geospatial Model							
Supplies	Friends of Wolf Run Board	ArcGIS license	\$ 100.00 per copy	2	\$ -	\$ 200.00	\$ 200.00
Consulting Fees & Donated Professional Service Hours	Tim Joice	GIS research and Analysis	\$ 50.00 per hour	104	\$ 2,600.00	\$ 2,600.00	\$ 5,200.00
Consulting Fees & Donated Professional Service Hours	Tim Joice	Hard-copy map creation	\$ 50.00 per hour	16	\$ 400.00	\$ 400.00	\$ 800.00
Consulting Fees & Donated Professional Service Hours	Tim Joice	Digital map creation	\$ 50.00 per hour	8	\$ 200.00	\$ 200.00	\$ 400.00
Consulting Fees & Donated Professional Service Hours	Tim Joice	Table datasets	\$ 50.00 per hour	24	\$ 600.00	\$ 600.00	\$ 1,200.00
Project Element: Prepare Stormwater BMP Workbook Manual							
Consulting Fees & Donated Professional Service Hours	Tim Joice	Development of manual "Stormwater BMP Workbook for Parcels in Wolf Run Watershed"	\$ 50.00 per hour	100	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00
Materials	Signs Now	Printing of maps	\$ 30.00 per map	20	\$ -	\$ 600.00	\$ 600.00
Materials	Staples	Printing of table datasets	\$ 0.59 per page	25	\$ -	\$ 14.75	\$ 14.75
Materials	Staples	Printing of manual	\$ 0.59 per page	144	\$ -	\$ 85.25	\$ 85.25
TOTAL PROJECT BUDGET:					\$ 6,481.25	\$ 7,200.00	\$ 13,681.25

* Organization Match must be at least 20% of total project cost for Class A grants

ORGANIZATION SHARE*	GRANT SHARE
47.4%	52.6%