

GRANT AWARD AGREEMENT

Fiscal Year 2015 Class A Incentive Grant Program

THIS AGREEMENT, made and entered into on the _____ day of _____, 20____, by and between the **LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT**, an urban county government of the Commonwealth of Kentucky, pursuant to KRS Chapter 67A (hereinafter "Government"), on behalf of its Division of Water Quality, and **Friends of Wolf Run Inc.**, 639 Cardinal Lane, Lexington, Kentucky 40503, (hereinafter "Grantee").

WITNESSETH:

WHEREAS, the Government has funds available through the Stormwater Quality Projects Incentive Grant Program to assist qualified applicants in the implementation of projects that meet the goals of the program; and

WHEREAS, the Grantee represents directly or indirectly a group of single-family residences in Fayette County who are fee-payers of the Government's Water Quality Management Fee; and

WHEREAS, the Grantee has proposed a need for the funds requested to develop and implement a proposed project by submitting a valid grant application; and

WHEREAS, the Grantee desires to implement a specific project that meets one or more Incentive Grant program goals to improve water quality, reduce stormwater runoff, and provide public or private education related to stormwater quality for the benefit of its members, community, and the general public; and

WHEREAS, the Grantee's grant application has been reviewed and selected for funding by the Government's Water Quality Fees Board in accordance with Sections 16-408 and 16-410 of the Government's Code of Ordinances;

THAT FOR AND IN CONSIDERATION OF THE MUTUAL PROMISES AND COVENANTS HEREIN EXPRESSED, GOVERNMENT AND GRANTEE AGREE AS FOLLOWS:

- (1) The Government hereby grants the Grantee the sum of **\$31,170.00** (hereinafter "the Grant"), for use in implementing the project elements as listed in Attachment A which is incorporated herein by reference as if fully set out herein.
- (2) The Grantee agrees to match the Grant with contributions, labor and other services equal to or greater than 20% of the total project cost.
- (3) The Grantee agrees to use the Grant only for the activities set forth in Attachment A.
- (4) The Grantee agrees to perform periodic reporting as detailed in Paragraph 5 herein below, and provide to the Government a Project Final Report, in digital and hard copy, within thirty (30) calendar days of the completion of the project elements following a standardized format to be provided by the Government summarizing all work completed and detailing the total grant expenditures.

- (5) The Grant to the Grantee shall be disbursed in the following manner:
- (a) The Grantee shall submit, at least once every three (3) months, a *Grant Reimbursement Form* and a *Request for Funds*, in standardized format provided by the Government, to the Government's Grant Manager designated by the Director of the Division of Water Quality for the project. The *Request for Funds* shall include documentation that the Grantee has already expended the requested funds or shall be in a position to expend properly the requested funds within thirty (30) days of receipt of the funds. The *Request for Funds* shall include full accounting of all eligible grant-related expenses, as listed in Attachment A. Copies of invoices, purchase orders, or receipts showing vendor, date, amount, and items purchased or ordered shall be provided with the *Request for Funds*.
 - (b) Each *Request for Funds* shall include documentation of all of the Grantee's Match Costs listed in Attachment A and claimed for the prior period. For cash expenditures this shall include receipts, showing vendor paid, date, amount, and items purchased. For volunteer hours this shall include sign-in sheets describing the events with signatures, name, address, time in and time out (or length of event), for each participant (volunteers must be 12 years of age or older). For mileage, this shall include driver name, type of vehicle, location to and from, date, and miles driven.
 - (c) Each *Request for Funds* shall be accompanied by a *Project Status Report*, in a standardized format provided by the Government, describing the progress of the project to date, including a description and schedule of all activities completed, and hardcopy or electronic copies of materials completed and/or used to date. For educational events (if applicable), copies of the class sign-in sheets documenting the number of attendees shall be provided.
 - (d) The Government's Grant Manager shall review each *Request for Funds* and supporting documents for compliance with the terms of this Agreement and the guidelines of the Stormwater Quality Projects Incentive Grant Program. If the Government's Grant Manager finds the Grantee's *Request for Funds* is in compliance with the terms of this Agreement and the Program's guidelines and that the activity progress and management program of the Grantee satisfy the terms of this Agreement, he or she shall approve the *Request for Funds* within 15 days of receipt, and then forward it to the Division of Accounting for payment.
 - (e) Should the Government's Program Administrator determine that the Grantee is not in compliance with the terms of this Agreement and/or the Stormwater Quality Projects Incentive Grant Program, including deficiencies in progress and/or management of the project, the Division of Water Quality shall notify the Mayor's Office and the appropriate district Council person and shall meet with the Grantee on matters that prevent approval of the *Request for Funds*. Failure to resolve any such matters to the satisfaction of the Government may lead to termination of the Agreement for cause pursuant to Paragraph 25 herein below.
 - (f) The Government shall release payment of the final 3% of the Grant only after receipt and acceptance of the Project Final Report. The Government's Grant Manager shall review the Project Final Report and provide comments to the Grantee within 15 calendar days or, if acceptable, forward approval to the Division of Accounting for payment.
 - (6) For any project which includes installation of permanent capital infrastructure as listed in Attachment A (not to include individual rain barrels, small rain gardens, and pond equipment), the Grantee agrees to meet all design standards specified in the Government's Engineering Manuals and/or as further described in Attachment A in the design of all Grant-funded improvements. This includes all associated activities including but not limited to erosion and sediment control, traffic control, utility relocations, seeding, etc. The Grantee further agrees to design the facilities in such a way as not to preclude the potential for future water quality/quantity monitoring by the Government.

- (7) For any project which includes installation of permanent capital infrastructure as listed in Attachment A, the Grantee agrees to provide in hard copy and electronic format the following deliverables as they become available, each sealed by a Professional Engineer licensed in the Commonwealth of Kentucky (or Registered Landscape Architect when allowed by Kentucky Revised Statutes 323A.010):
- Design calculations;
 - Final construction plans, including erosion and sediment control plans, traffic control plans, grading plans, etc.;
 - Final specifications and bidding documents (if applicable);
 - Detailed engineer's construction cost estimate including quantities;
 - Inspection, Operation, and Maintenance Plan laying out the plan for regular inspection and maintenance of each proposed facility for design performance and safety in accordance with manufacturer's specifications and the Government's Stormwater Manual.
 - Copies of all federal, state, and local permits, approvals, encroachments, etc. obtained for the project.
 - Record Drawing showing all field changes, and signed and sealed by the professional of record certifying the project as shown meets all original design intent.
 - Photo documentation of site conditions and improvements before, during, and after construction.
- (8) For any project which includes installation of permanent capital infrastructure listed in Attachment A, the Grantee shall provide, by the end of the design phase, certification by a Professional Engineer or Registered Landscape Architect licensed in Kentucky that all stormwater control facilities proposed for this project are feasible and viable Best Management Practices (BMPs) for controlling stormwater quality and/or quantity and are appropriate for the project site.
- (9) The Grantee agrees that any and all stormwater control facilities, including equipment and infrastructure, constructed or purchased with Grant monies shall remain the property of the Grantee, or the current property owner, or his successors and assigns, unless otherwise noted in Attachment A.
- (10) The Grantee agrees that all stormwater control facilities, including equipment and infrastructure shall remain in service and maintained by the Grantee or its representatives for at least the Service Life listed in Attachment A. For capital infrastructure, this shall include following the Inspection, Operation, and Maintenance Plan developed for each facility referenced in Paragraph 7 above. For capital infrastructure, the Grantee further accepts and agrees to enter into the "Agreement to Maintain Stormwater Control Facilities for Class A Incentive Grant Projects" attached hereto as Attachment B and which is incorporated herein by reference as if fully set out herein.
- (11) The Grantee agrees, and all individual property owners with grant-funded improvements installed on their properties shall agree, to allow the Government access to perform monitoring of the project elements for compliance with this Agreement.
- (12) The Grantee agrees to comply with all applicable local, state, and federal rules, regulations, ordinances, and laws in implementation of the project.
- (13) The Grantee agrees to obtain all necessary local, state, and federal permits and approvals in a timely manner and prior to the start of any work requiring such permits or approvals.
- (14) The Grantee agrees to obtain written approval from the Government's Grant Manager or Program Administrator for any proposed changes to the Project Team or Project Plan as listed in Attachment A prior to implementing the changes. Failure to gain written approval prior to making changes may lead to termination of the Agreement for cause pursuant to Paragraph 25 herein below.
- (15) The term of this Agreement shall be from the date of this Agreement until completion of the project outlined herein. The Grantee agrees to complete the project within **18** months from the date of this Agreement. The Grantee agrees to obtain written approval from the

Government's Grant Manager or Program Administrator for any time extensions beyond the grant period. Failure to gain written approval prior to making changes may lead to termination of the Agreement for cause pursuant to Paragraph 25 herein below.

- (16) The Grantee understands that the **Grant shown herein in Paragraph 1 is a not-to-exceed amount**, and any additional funding needed to complete the project elements listed in Attachment A is the responsibility of the Grantee. If it becomes apparent to the Grantee or the Government that the Grantee will be unable to complete the project either in the manner or for the amount described in this Agreement, then the Grantee must immediately notify the Government's Grant Manager and Program Administrator by providing a complete and detailed written explanation of its inability to comply with the terms of the Agreement. The Grantee must further provide the Government's Grant Manager and Program Administrator with a complete and detailed written explanation of any proposed changes, and the reasons for those changes.
- (17) The Grantee asserts that it is an incorporated organization registered in active status with the Commonwealth of Kentucky Secretary of State, and is in full compliance with all applicable provisions of the Lexington-Fayette Urban County Government's Code of Ordinances Chapter 5 – Buildings and Building Regulations, Chapter 7 – Finance and Taxation, Chapter 12 – Housing, and Chapter 16 – Sewage, Garbage, Refuse, and Weeds, or in compliance with Kentucky Department of Housings Buildings and Construction rules and requirements as is appropriate for those state institutions, parcels, or buildings which are subject to state regulations and oversight as opposed to local ordinances and regulations. If the Grantee becomes out of compliance with any of these provisions, it will contact the Government's Program Administrator immediately. Failure to resolve any such matters to the satisfaction of the Government may lead to termination of the Agreement for cause pursuant to Paragraph 25 herein below.
- (18) This Agreement may not be modified except by written agreement of the Government and the Grantee.
- (19) In any advertisement of the grant-funded project, whether oral or written communications, the Grantee agrees to identify the Lexington-Fayette Urban County Government as the source of the above referenced funds; the Grantee shall not specifically identify any individual or elected official as being responsible for the funds donated by the Government.
- (20) The Grantee agrees to allow the Government to publicize the Grantee's project through the Government's website and other media.
- (21) The Grantee agrees to reference the Lexington-Fayette Urban County Government's Water Quality Management Fee and the Stormwater Quality Projects Incentive Grant Program as a source of funding for the project on any permanent signage or educational brochures, presentations, websites, etc. produced using grant monies.
- (22) The Grantee is solely responsible for assuring that adequate and appropriate insurance or other necessary coverage is maintained during the term of this Agreement.
- (23) The Grantee shall provide equal opportunity in employment as required by applicable federal, state, and local laws, regulations and ordinances.
- (24) The Government assumes no responsibility whatsoever in the Grantee's project activities. Grantee shall defend, indemnify, and hold harmless the Government from and against any and all liability, claims, damages, losses, actions, costs, expenses, obligations, fines, and assessments of whatever kind, including defense costs and attorney's fees that are in any way incidental to or connected with, or that arise or are alleged to have arisen, directly or indirectly, in whole or in part, from or by Grantee's or its contractor(s), agents, or assigns, negligent acts or misconduct, or errors or omissions, or in any way connected with the activities carried out pursuant to this Agreement, the Grant award or the Stormwater Quality Projects Incentive Grant Program.
- (25) If, through any cause, the Grantee shall fail to fulfill in timely and proper manner its obligations under this Agreement, or if the Grantee shall violate any of the covenants, agree-

ments or stipulations of this Agreement, the Government shall provide the Grantee thirty (30) calendar days to address the deficiency or violation. If the Grantee does not, after the thirty (30) days, come into compliance with this Agreement, the Government shall thereupon have the right to terminate this Agreement by giving written notice to the Grantee of such termination and specifying the effective date thereof, at least five (5) calendar days before the effective date of such termination. In that event, all finished or unfinished documents, receipts and reports prepared by the Grantee shall, at the option of the Government, become its property and the Grantee shall immediately repay to the Government all monies received pursuant to this Agreement less any amount representing just and equitable compensation for the Government's share of any satisfactory work completed pursuant to the Agreement.

(26) The Grantee's sole remedy for a breach of this Agreement by the Government shall be limited to the amount of the Grant.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement at Lexington, Fayette County, Kentucky, this the day and year first above written.

**LEXINGTON-FAYETTE URBAN COUNTY
GOVERNMENT**

BY: _____
JIM GRAY, MAYOR

ATTEST:

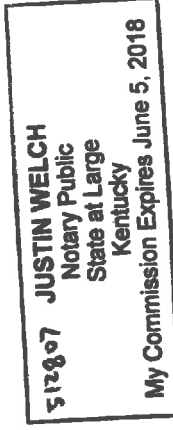
CLERK, URBAN COUNTY COUNCIL

Grantee Organization: Friends of Wolf Run, Inc.
639 Cardinal Lane
Lexington, KY 40503

BY: *[Signature]*
NAME: Kenneth B. Cooke
TITLE: Secretary

The foregoing Agreement was subscribed, sworn to and acknowledged before me by *Ken Cooke*, as the duly authorized representative for and on behalf of Fowl R, on this the 24th day of February, 2015.
My commission expires: 6/5/2018.

[Signature]
NOTARY PUBLIC



ATTACHMENT A
to the GRANT AWARD AGREEMENT
between Lexington-Fayette Urban County Government (LFUCG) and
Friends of Wolf Run Inc.
Streamside Buffer Stewardship Program

GRANT PROGRAM: FY2015 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 (DWQ) in the Department of Environmental Quality and Public Works

PROJECT TEAM AND CONTACT INFORMATION

Organization: Friends of Wolf Run Inc. (FOWR)

639 Cardinal Lane
Lexington, KY 40503
KY Organization #: 0612068

Organization President: Lisa Collins, President
859-797-0011
arlbrindle@yahoo.com

Primary Project Contact and Project Manager: Ken Cooke, Secretary, FOWR – Secretary
859-940-8234 (phone)
ken.cooke@canewoods.com (email)
Will serve as project manager; providing project administration, grant reporting, and volunteer management.

Secondary Project Contact: Frances Stokes
859-940-8234 (phone)
festokes@hotmail.com (email)

FOWR Board of Trustees: Bruce Hutcheson, President
Lisa Collins, Vice-President
Frances Stokes, CPA
Will provide financial oversight and sponsorship.

Project Steering Committee: Dr. Julian Campbell, Plant Materials Selection
Ann Bowe, Landscape Designer
Laurine Fields, Landscape Designer
Will Overbeck, Plant Ecologist
Jean Watts, Water Quality Specialist
Amanda Gumbert, Extension Water Quality Liaison
Dr. Carmen Agouridis, UK Biosystems and Agricultural Engineering

LFUCG Contacts: Ben Cornett, Division of Environmental Services: Review and approve work on LFUCG Greenways
Chris Cooperrider, Deputy Director, LFUCG Parks and Recreation: Approves planting plans on park property, works with LFUCG contractors to protect plantings.
Vernon Azevedo, LFUCG DWQ – Remedial Measures Plans (RMP) Program Manager: Coordinates plans, reviews, and approves plans for restoration work adjacent to planned RMP/Sanitary Sewer projects.
LFUCG Streets and Roads: Assist with removal of cuttings.

Project Stewards and Cooperating Organizations:

1. Goodrich Drive Greenway: Ann Bowe, WPGIL Neighborhood Association (NA)
2. Clays Mill Greenway: Layton Register, Pine Meadows Neighborhood

3. SouthBend Drive and Lafayette Parkway Stream Corridor: Laurie Fields, Picadome NA
4. Springs Branch Corridor: Christy Cartner, Twin Oaks NA
5. Bob-O-Link Drive Greenway: Linda Bradford, Picadome NA
6. Deauville Drive Greenway: Jerome Higginbotham, JH Technology Trust
7. Roanoke Drive Greenway and Wolf Run Parks: Wendy Havens, Port Royal NA
8. Eastway Wetland Seep: Janet Cabanis and Wayne Hiens, Hill-N-Dale NA with Southland Association
9. Gardenside Park Area: Susan Spalding and Jannine Baker, Gardenside NA
10. Allendale Stream Buffer Restoration Nursery and Demonstration Area: Dr. Julian Campbell, Bluegrass Woodland Restoration Center, Bluegrass Community and Technical College
11. Pine Meadow Park Section of Vaughn's Branch: Karen Hudson, Pine Meadows, Mason Headley & Cardinal Hill NA

PROJECT PLAN ELEMENTS

The goals of the Streamside Buffer Stewardship Program are to recruit, train, supply and support volunteer stewardship groups to assist LFUCG streamside property owners in managing vegetative riparian buffers along Wolf Run and its tributaries. The project seeks to accomplish 3 objectives: improvement of the quality of the streamside buffers; engagement of the public in the understanding of the purpose and function of these vegetative buffers in order to reduce complaints from adjacent residents; and providing a test/demonstration area that private property owners can use to adopt similar practices on their streamside areas. Restoration of the native vegetative buffer will help water quality by increasing nutrient uptake; shading the creek to reduce algae blooms and macrophyte infestations; filtering runoff; and stabilizing banks, thereby reducing erosion and sediment loss.

There are eleven project sites along with grant administration planned as the twelve project elements, as listed below (see *Figure 1: Project Location Map* in Supplemental Project Element Information section for a map of the site locations):

1. Goodrich Drive Greenway
2. Clays Mill Greenway
3. SouthBend Drive and Lafayette Parkway Stream Corridor
4. Springs Branch Corridor
5. Bob-O-Link Drive Greenway
6. Deauville Drive Greenway
7. Roanoke Drive Greenway and Wolf Run Parks
8. Eastway Wetland Seep
9. Gardenside Park Area
10. Allendale Stream Buffer Restoration Nursery and Demonstration Area (See *Project Site 10 Site Detail* in Supplemental Project Element Information section)
11. Pine Meadow Park Section of Vaughn's Branch (See *Project Site 11 Site Detail* in Supplemental Project Element Information section)
12. Grant Administration Expense

Work in each of the above mentioned sites includes identifying and recruiting volunteers from neighborhoods adjacent to particular parks, greenways or other public spaces. This is accomplished by engaging residents in a progressive level of involvement/work activities including:

1. ***Conducting stream walks***: Residents are invited to participate in walks along portions of the stream. They are invited via email, door to door flyers, post cards, and/or neighbor to neighbor personal invitations. During the stream walks, experts discuss water quality, habitat and stream side buffer issues and management strategies.
2. ***Trash Cleanup Days***: Participants perform trash and litter pickup.
3. ***Invasive Species Removal "Bushwhacking Parties"***: Participants use hand tools to remove bush honeysuckle, garlic mustard, multi-flora rose, and Japanese Knot Weed. The cut shrubs will be treated with herbicides in accordance with practices developed by the Invasive Plant Working Group.
4. ***Native Plantings***: Volunteers install perennials, shrubs, and trees according to a planting plan.
5. ***Leadership Training and Support***: Experts provide training and support for stream restoration and planting through specialized seminars.

6. **Education and Outreach:** The UK Extension office produced “Living Along a Kentucky Stream,” and “Stream Buffer Brochure,” which will be distributed to streamside property owners and at promotional events.
7. **Effectiveness Monitoring:** Volunteers perform water quality checks for field parameters (DO, pH, Temperature, and Conductivity) as well as nutrients via field spectrophotometers and pathogens via E. Coli analysis in cooperation with LFUCG Town Branch lab and BCTC.
8. **Identification and support of Key Stewards:** Friends of Wolf Run will continue to recruit new leaders for follow-up efforts.
9. **Mark Stream Buffer Improvement areas:** Volunteers will install fiberglass posts and educational signs.

REPORTING REQUIREMENTS

In addition to the reporting requirements outlined in the Grant Award Agreement, the following special items are noted for this project:

1. The Organization shall submit copies of the herbicide application plan to the LFUCG Grant Manager and Division of Environmental Services Grant Manager prior to work beginning.
2. The Organization shall provide written authorizations for private property access (including LFUCG Parks) to the LFUCG Grant Manager prior to work on any area for which they are required.

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.

Monitoring: The Organization agrees to allow LFUCG staff access to the project site to monitor the installed features for compliance with this agreement. Water quality sampling via grab samples or other methods may be employed by LFUCG staff as part of LFUCG’s annual reporting requirement of its Kentucky Pollutant Discharge Elimination System (KPDES) MS4 Phase 1 permit.

CONSTRUCTION ACCESS

If work is to be performed on private property, the Organization is responsible to obtain written authorization from the affected property owner(s) allowing such access. No permanent feature (including plantings), shall be placed upon private property without prior signed authorization from the owner.

ADDITIONAL GRANT STIPULATIONS

Design, construction, and plant installation shall meet the following requirements:

- a) All project sites shall be reviewed by the LFUCG DWQ’s RMP Program Manager for upcoming sanitary sewer projects or staging areas prior to implementation. Contingency sites can be negotiated with Grant Administrator if a conflict is found.
- b) Any work to be coordinated with personnel in the LFUCG Contacts section is the responsibility of the grantee and shall be done prior to any work being done. The LFUCG contacts listed in this document are listed for informational purposes only and listing does not constitute approval or agreement at this time.
- c) All existing utilities shall be located, contacted, and coordinated with prior to any work being performed if within the project vicinity.
- d) Planting of trees within 10 feet of existing utilities can only be done if written approval by the utility is provided to LFUCG prior to planting.
- e) No trees shall be planted within 10 feet of any sanitary sewer system or storm drainage pipe.

- f) If herbicides are proposed to be used, a plan for appropriate application controls shall be submitted to LFUCG prior to use, and shall be followed during applications.
- g) A letter of support from the applicable LFUCG Division is required prior to performing any work on LFUCG owned properties (i.e. Parks, Greenways (Environmental Services), Flood Buyout Properties (Water Quality), etc.).

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 - PROJECT SCHEDULE - Streamside Buffer Stewardship Program

Activity	Anticipated Date
Approval of Grant Award Agreement	Within 1 week of Notice to Proceed
Convening of project steering committees	Within 1 week of Notice to Proceed
Approval of work plan by property managers, (Parks, Greenways), etc.	Within 30 days of Notice to Proceed
Conduct stream walks in new project areas	February – May 2015
Conduct stream clean up and trash removal	May 2015, October 2015
Conduct invasive plant removal work days	May 2015, October 2015
Conduct native plant installations	May 2015 – October 2015
Follow up work days in existing riparian areas	May 2015 – October 2015
Final Report to LFUCG	December 31, 2015

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 cost share. Table 3 in the Supplemental Project Element Information section lists Individual Project Budgets generated from the grant application. Table 3 is listed for informational purposes only and Table 2 remains the official list of Eligible Expenses for this project.

Hours worked by participants under the age of 12 shall not be counted toward the cost share.

No work on any item outside of the project scope described herein, or any item to be covered by the contingency budget shall be performed without prior written approval from the LFUCG Grant Manager or Grant Administrator. Failure to do so may result in non-reimbursement for any such items.

Any donated professional service hours not currently listed in the Eligible Expenses shall be valued, at a maximum, at the Median Hourly Wage for the expertise provided – from the U.S. Department of Labor, Bureau of Labor Statistics, State Occupational Employment and Wage Estimates for Kentucky (current website: www.bls.gov/oes/current/oes_ky.htm).

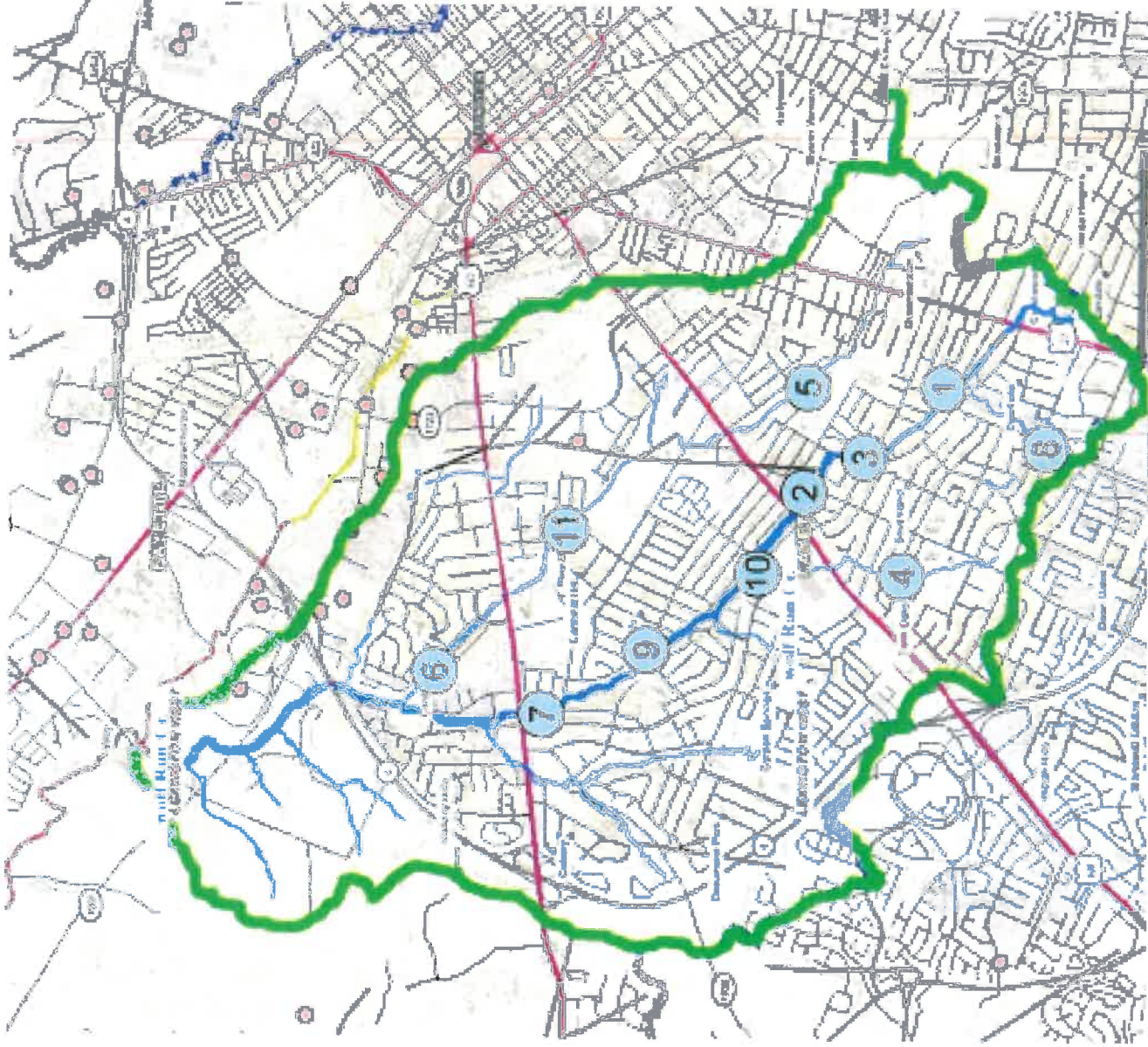
TABLE 2 - ELIGIBLE EXPENSES

Type of Expense	Participants	Item	Unit Price	Quantity	Funded by Organization	Funded by Grant	Total Expense
1	Volunteer Time	Follow-up control of honeysuckle/weeds; planting; mulching; monitoring	\$ 7.25 Per Hour	345	\$ 2,501.25	\$ -	\$ 2,501.25
2	Project Management	Key Stewards	\$ 13.56 Per Hour	95	\$ 1,288.20	\$ -	\$ 1,288.20
3	Project Management	Friends of Wolf Run Trustees	\$ 13.56 Per Hour	50	\$ 678.00	\$ -	\$ 678.00
4	Professional Services	Technical Advisors, Landscape Designers	\$ 25.00 Per Hour	54	\$ 1,350.00	\$ -	\$ 1,350.00
5	Plant Materials	Area Nurseries, KY Division of Forestry	\$ 1,275.00 Per Project	10	\$ -	\$ 12,750.00	\$ 12,750.00
6	Supplies and Materials	Area Vendors	\$ 4,500.00 Lump Sum	1	\$ -	\$ 4,500.00	\$ 4,500.00
7	Private Property Owner Demonstration areas	Landowner Participation with technical support	\$ 1,000.00 Lump Sum	1	\$ 1,000.00	\$ -	\$ 1,000.00
8	Private Property Owner Demonstration areas	Landowner Participation with technical support	\$ 4,000.00 Lump Sum	1	\$ -	\$ 4,000.00	\$ 4,000.00
9	Professional Services Artist	Andrea Good, Stencil and Mural Artist	\$ 35.00 Per Hour	5	\$ 175.00	\$ -	\$ 175.00
10	Professional Services Artist	Andrea Good, Stencil and Mural Artist	\$ 35.00 Per Hour	15	\$ -	\$ 525.00	\$ 525.00
11	Allendale	Julian Campbell	\$ 1,325.00 Lump Sum	1	\$ 1,325.00	\$ -	\$ 1,325.00
12	Allendale	Julian Campbell	\$ 3,525.00 Lump Sum	1	\$ -	\$ 3,525.00	\$ 3,525.00
13	Project Management	Various	\$ 2,546.36 Lump Sum	1	\$ 2,546.36	\$ -	\$ 2,546.36
14	Project Management	Various	\$ 5,870.00 Lump Sum	1	\$ -	\$ 5,870.00	\$ 5,870.00
15			TOTAL PROJECT BUDGET:		\$ 10,863.81	\$ 31,170.00	\$ 42,033.81
16					ORGANIZATION SHARE	GRANT SHARE	
17					25.8%	74.2%	
18					COST SHARE % = 25.8% OK		
					MUST BE > 20%		

SUPPLEMENTAL PROJECT ELEMENT INFORMATION

Figure 1: Project Location Map

**Wolf Run Stream Buffer Stewardship
Project Locations**



Project #10 Description:

Allendale-Moberly Spring Greenway “Riparian Arboretum” Demonstration Area

Allendale-Moberly Spring Greenway as a ‘Riparian Arboretum’ for the Central Bluegrass: Establishment of Native Plant Collection for Riparian Zones and Wetlands in this region.

Personnel

PROJECT MANAGER: Julian Campbell, Bluegrass Woodland Restoration Center
Ken Cooke, Friends of Wolf Run; and board members
Jean Watts, Bluegrass Community and Technical College
Layton Register, neighborhood representative

Purpose and Need

The Allendale-Moberly Spring Greenway is an important site for potential improvement in water quality on the west side of Lexington. With a relatively broad floodplain, it has already been

used for enhancement of the small wetland here in the 1990s, and some recent test plantings coordinated by the Friends of Wolf Run Inc. The city owns land here, and two private tracts have easements for riparian protection. There is virtually no structural development and at least 20 acres are available for environmental improvements. It could become one of the most significant wetland sites within the city that is adjacent to a major stream corridor. Wetter soils are fluventic endoaquepts (Newark and Melvin).

In the whole Central Bluegrass Region (mostly Fayette and surrounding counties), there has been much restoration of riparian zones and wetlands within the past 20 years. However, there has been a serious shortage of native plant species for these projects, especially plants with provenance from the Bluegrass Region. Much public funding has been spent on questionable plant material; there has been little accountability in results; and in several cases, there have been failures.

Project Outline

2015 activity will consist of continued removal of honeysuckle on low slopes along the Allendale Greenway, and replacement with native trees and shrubs in the wetland, spring and stream areas.

Project work will be coordinated with LFUCG Division of Sanitary Sewers and Division of Water Quality as not to interfere with Remedial Measures Plan implementation, or to put in jeopardy any work done under this authorization by sanitary sewer line construction.

The 2013 project includes provision only for partial removal at the base of the slopes, adjacent to the wetlands. Given the cooperative interest in converting this whole greenway into a “Riparian Arboretum” we would like to remove eventually all of the honeysuckle on these slopes.

Native species would be planted here instead of the honeysuckle. In addition to general enhancement of the corridor, this extension would focus where possible on areas close to the seeps and springs along the base of this slope. Species to be concentrated on in the plantings include buckeye, basswood, sugar/black maple, spicebush, hornbeam, bladdernut, and pawpaw.

Schedule of Work

- Spring of 2015 assessment of existing plantings, continued maintenance
- Spring 2015 installation of additional plant materials
- Fall 2015 continued clearing of invasive plants in the corridor
- December 31, 2015 Final Report and Analysis

Potential Developments and Applications in Future

Further plantings can be designed at the site in future years, as funds become available. More open areas on the bottomland could be converted to meadows of native grasses and wildflowers, with maintenance by mowing or other means. More sloping areas on the west side of this greenway could be converted into a small woodland restoration, after removal of honeysuckle and winter-creeper.

As the site becomes used for a source of plant material, harvesting of seed, cuttings and other material could generate considerable value for government-sponsored restoration projects in the region. Funds for regular maintenance of the site – ensuring its ecological function and genetic collection – could be generated from varied fees, grants or sales of material.

The site would also become an outstanding demonstration for riparian restoration within the city. With controlled public access, it would serve varied educational and recreational functions. The Moberly Spring, itself, is a significant feature that can become a focus for visitors to the site.

Invasive Plant Working Group. All neighborhood residents will be invited to help via the neighborhoods Facebook page and door-to-door flyers.

4. **Follow up Native Plantings:** Volunteers will replace the invasive plants with native perennials, shrubs, and trees according to a planting plan.
5. **Education and Outreach:** Neighborhood residents will be further educated by distribution of “Living Along Kentucky Streams” produced by the University of Kentucky Cooperative Extension Service at workdays and by door-to-door distribution.
6. **Marking the Demonstration Areas:** The three demonstration areas will be clearly marked with fiberglass posts and educational signs.
7. **Storm Drain Stenciling:** Many of our neighbors mistakenly believe that our storm drains empty into the same sewer systems that carry wastewater from our toilets and sinks. There are at least 30 storm drains in our neighborhood. As part of this project we propose to stencil each storm drain. The stencil will provide our neighbors a constant reminder that our storm drains lead straight to local waterways and that dumping can pollute those waters. While a professional artist, a resident of the neighborhood, will design a stencil unique to our neighborhood, teams of volunteers will paint the drains. Before we begin stenciling, we will submit the stencil design to LFUCG’s Operation Upstream program for approval. As part of the stenciling project, we will place a “Stenciling in Your Neighborhood” flyer, provided by the LFUCG, on each door (approximately 260) in our neighborhood. We will also be installing a metal storm drain marker, provided by the City on the each drain.
8. **Maintenance:** In the first year following planting, teams of volunteers will visit the demonstration areas on at least three additional occasions to keep invasive plants in check and insure that the new plants are being watered. In subsequent years, the sites will be inspected annually, in the spring, to facilitate long-term success.
9. **Identification and Support for “Key Stewards”:** As part of this project, efforts will be made to identify additional home owners who will agree to participate in similar projects in the future. Neighborhood leaders, willing to volunteer to organize additional workdays in the future, will also be identified.
10. **Report:** At the completion of the project, a report will be produced, including a description of the three demonstration areas and the native material planted. Maps indicating the location of the three demonstration areas and the storm drains that were stenciled will be included in the report.

Pine Meadows Schedule of Work

- Meeting to plan project: within one month of NTP
- Advertise for stream cleaning even and coordinate volunteers: one month prior to event
- Hold stream cleaning event: Spring 2015
- Identify three home owners willing to volunteer to serve as demonstration areas: Spring 2015
- Advertise for and organize volunteers for invasive plant removal work days
- Conduct invasive plant removal work days: Spring 2015
- Advertise for and organize volunteers for native plant installation: One month prior to events
- Conduct native plant installations: Spring and Fall 2015
- Complete storm drain stencil design and submit to LFUCG: Summer 2015
- Paint storm drains and install metal storm drain markers: Fall 2015
- Complete follow-up work days: Summer and Fall 2015
- Mark demonstration areas: Fall 2015
- Final report to LFUCG: December 2015

Potential Developments and Applications in Future

Additional homeowners willing to participate in similar remediation projects in the future, as well as neighborhood leaders willing to volunteer to organize future projects will be identified. The neighborhood will also be encouraged to participate in additional innovative projects such as: installing rain gardens in the neighborhood’s two parks (Addison and Pine Meadows) and installation of rain barrels at neighborhood homes.

TABLE 3 - INDIVIDUAL PROJECT BUDGETS

Type of Expense	Participants	Item	Unit Price	Quantity	Funded by Organization	Funded by Grant	Total Expense
Project 1: Oldfield Drive Community WGPL Neighbhood							
1	WGPL Neighborhood Community	Follow-up control of honeysuckle/weeds; planting; mulching; monitoring	\$ 7.25	50.0	\$ 362.50	\$ -	\$ 362.50
2			Per Hour				
3	Ann Bove	Key Steward Event Coordination, volunteer organization and planning	\$ 13.56	20.0	\$ 271.20	\$ -	\$ 271.20
4	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 13.56	5.0	\$ 67.80	\$ -	\$ 67.80
5	Area Nurseries, KY Division of Forestry	Seed, shrubs, tree whips and nursery stock	\$ 1,500.00	1.0	\$ -	\$ 1,500.00	\$ 1,500.00
6	Area Vendors	Landscaping supplies, mulch, volunteer support materials	\$ 500.00	1.0	\$ -	\$ 500.00	\$ 500.00
7			Per Project				
8			Per Project				
				Sub-Total:	\$ 701.50	\$ 2,000.00	\$ 2,701.50
Project 2: Oaks Mill Road Greenway							
9	Friends of Wolf Run, Inc., Community	Follow-up control of honeysuckle/weeds; planting; mulching; monitoring	\$ 7.25	25.0	\$ 181.25	\$ -	\$ 181.25
10	Layton Register, Key Steward	Expert Discounts and Planning Services	\$ 13.56	15.0	\$ 203.40	\$ -	\$ 203.40
11			Per Hour				
12	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 13.56	5.0	\$ 67.80	\$ -	\$ 67.80
13	Area Nurseries, KY Division of Forestry	Seed, shrubs, tree whips and nursery stock	\$ 1,250.00	1.0	\$ -	\$ 1,250.00	\$ 1,250.00
14	Area Vendors	Landscaping supplies, mulch, volunteer support materials	\$ 500.00	1.0	\$ -	\$ 500.00	\$ 500.00
15			Per Project				
16			Per Project				
				Sub-Total:	\$ 452.45	\$ 1,750.00	\$ 2,202.45
Project 3: Larkvette Parkway, Southbend Stream Corridor, Fickdoms							
17	Picadome Neighborhood Association	Follow-up control of honeysuckle/weeds; planting; mulching; monitoring	\$ 7.25	50.0	\$ 362.50	\$ -	\$ 362.50
18	Laurie Fields, Landscape Design	Expert Discounts and Planning Services	\$ 25.00	30.0	\$ 750.00	\$ -	\$ 750.00
19			Per Hour				
20	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 13.56	10.0	\$ 135.60	\$ -	\$ 135.60
21	Area Nurseries, KY Division of Forestry	Seed, shrubs, tree whips and nursery stock	\$ 2,500.00	1.0	\$ -	\$ 2,500.00	\$ 2,500.00
22	Area Vendors	Landscaping supplies, mulch, volunteer support materials	\$ 500.00	1.0	\$ -	\$ 500.00	\$ 500.00
23			Per Project				
24			Per Project				
				Sub-Total:	\$ 1,248.10	\$ 3,000.00	\$ 4,248.10
Project 4: Kings Branch Corridor Twin Oaks Neighbhood							
25	Twin Oaks Neighborhood Community	Follow-up control of honeysuckle/weeds; planting; mulching; monitoring	\$ 7.25	20.0	\$ 145.00	\$ -	\$ 145.00
26			Per Hour				
27	Twin Oaks Christy Cartner	Key Steward Event Coordination, volunteer organization and planning	\$ 13.56	5.0	\$ 67.80	\$ -	\$ 67.80
28	Technical Advisors, Landscape	Expert Discounts and Planning Services	\$ 25.00	5.0	\$ 125.00	\$ -	\$ 125.00
29	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 13.56	3.0	\$ 40.68	\$ -	\$ 40.68
30	Area Nurseries, KY Division of Forestry	Seed, shrubs, tree whips and nursery stock	\$ 1,000.00	1.0	\$ -	\$ 1,000.00	\$ 1,000.00
31	Area Vendors	Landscaping supplies, mulch, volunteer support materials	\$ 250.00	1.0	\$ -	\$ 250.00	\$ 250.00
32			Per Project				
33			Per Project				
				Sub-Total:	\$ 378.48	\$ 1,250.00	\$ 1,628.48
Project 5: Oldfield Drive Community (Weather's Project)							
34	Bob-O-Link Residents, Dream Stream Team	Follow-up control of honeysuckle/weeds; planting; mulching; monitoring	\$ 7.25	50.0	\$ 362.50	\$ -	\$ 362.50
35	Dream Stream Team	Key Steward Event Coordination, volunteer organization and planning	\$ 13.56	10.0	\$ 135.60	\$ -	\$ 135.60
36	Technical Advisors, Landscape Designers	Expert Discounts and Planning Services	\$ 25.00	10.0	\$ 250.00	\$ -	\$ 250.00
37	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 13.56	10.0	\$ 135.60	\$ -	\$ 135.60
38	Area Nurseries, KY Division of Forestry	Seed, shrubs, tree whips and nursery stock	\$ 1,500.00	1.0	\$ -	\$ 1,500.00	\$ 1,500.00
39			Per Project				

