

**GRANT AWARD AGREEMENT**

*Fiscal Year 2022 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 **\$57,331.00** (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. Each *Request for Funds* shall include a minimum of 10% cost share. 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 10% 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 Funded by an LFUCG Class A Stormwater Quality Projects Incentive Grant*" 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 24 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,

agreements, 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; provided, however, that for any project involving the construction of capital infrastructure, other than feasibility only projects, the Government's share of any satisfactory work completed shall not include feasibility or design costs.

(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: \_\_\_\_\_

LINDA GORTON, MAYOR

ATTEST:

\_\_\_\_\_

CLERK, URBAN COUNTY COUNCIL

**Grantee Organization:** **FRIENDS OF WOLF RUN, INC.**

**639 CARDINAL LANE**

**LEXINGTON, KY 40503**

BY: Kenneth B. Cooke

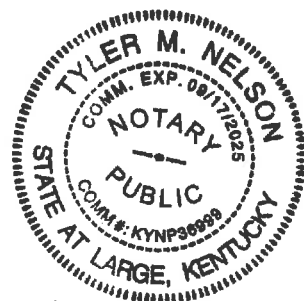
NAME: Kenneth B. COOKE

TITLE: Treasurer

The foregoing Agreement was subscribed, sworn to and acknowledged before me by Kenneth B. COOKE, as the duly authorized representative for and on behalf of Friends of Wolf Run, on this the 17 day of December, 2021.

My commission expires: 09-17-2025.

Tyler M. Nelson  
NOTARY PUBLIC



**ATTACHMENT A**  
**to the GRANT AWARD AGREEMENT**  
**between Lexington-Fayette Urban County Government (LFUCG) and**  
**Friends of Wolf Run, Inc. (FOWR)**

**GRANT PROGRAM**

**2022 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**

**Grantee Organization:** Friends of Wolf Run, Inc. (FOWR)  
639 Cardinal Lane  
Lexington, KY 40503  
KY Organization #0612068

**Organization President:** Bruce Hutcheson, President  
859-619-2233 (phone)  
bhutches54@gmail.com (email)

**Primary Project Contact and Project Manager:** Ken Cooke, Treasurer  
859-940-8234 (phone)  
ken.cooke@canewoods.com (email)

**Secondary Project Contact:** Lisa Collins Ph.D  
859-797-0011 (phone)  
friend@wolfrunwater.org (email)

Individual Project Key Stewards (see Project Stewards list)

**Project Steering Committee:** Will Overbeck, Plant Ecologist  
Jean Watts, Water Quality Specialist  
Amanda Gumbert, Extension Water Quality Liaison,  
Biosystems and Agricultural Engineering  
Jannine Baker, Native Plant Specialist

Project Stewards and cooperating organizations by Project Area:

1. Deauville Drive Greenway: Jerome Higginbotham, Key Steward JH Technology Trust, Dunbar High School.
2. Killrush Greenway Stream Food Forest: Nachie Leandro Braga, Key Steward, Killrush Drive and Cardinal Valley Neighborhood Geomancer Permaculture, Contractor Invasive Clearing, New "Food Forest Plantings, Education.
3. Wildcat Chase Greenway: Jerry Weisenfluh, Key Steward, Colony Neighborhood Association, Gary Libby, Contractor. Infill planting and stream buffer maintenance
4. Elm Fork Outdoor Biotechnology Lab: Paula Sumner, Key Steward, Sandy Schafer, Friends of Parks, Russ Turpin, Eco Gro, Consulting Contractor, New stream buffer restoration project, demonstration area.
5. Preston's Cave Spring Restoration: Garry Libby, Skybax Ecological Restoration Key Contractor, Jerry Weisenfluh, Key Steward assisted by LFUCG Environmental Commission and Kentucky Mountain Bike Association, Bluegrass Chapter
6. Roanoke Drive Greenway Naturalization: Harold Hays, Key Steward, Port Royal Neighborhood Association Partners. Stream Buffer Maintenance, Neighborhood Engagement.

7. Cardinal Valley Park Stream Buffer: Adonya Boyle, Key Steward, Will Anglin, Cardinal Valley Park Activities Board, Trash cleanup, public education, native planting, invasive control
8. Gardenside Park Stream Buffer Maintenance: Kristine Goggin, Key Steward, Gardenside Neighborhood Association Partners. Infill planting, neighborhood engagement.
9. Pine Meadow Park and Right of Way: Julie Marfell, Key Steward, Pine Meadows Neighborhood Association Will Overbeck, contractor, Vaughn's Branch and Perennial Spring Restoration and buffer maintenance.
10. Springs Branch Corridor (Downstream of Stormwater Project): Christy Cartner, Key Steward, Southland Park Neighborhood Association Partners, Russ Turpin, EcoGro Contractor.

### **PROJECT PLAN ELEMENTS**

The goals of the Friends of Wolf Run Water Quality Neighborhood Stream Buffer Engagement Program are to improve water quality by restoring riparian stream buffers along Wolf Run Creek through engaging community leadership and volunteers in a coordinated, quality assured effort.

The objective is to create and maintain a stream buffer demonstration project and engage neighborhood leadership in maintaining stream buffers on both public and private property; 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; to educate the public about the value of streamside buffers; and to conduct performance monitoring showing water quality impacts of streamside buffer projects. To conduct comparative studies on various control measures, to provide professional development and education for institutional property owners.

#### **Project Strategy and Work Plan:**

##### **A. Volunteer Stream Buffer Stewardship Initiative**

Ongoing community involvement through steward-planned work activities which will identify and recruit volunteers from the neighborhoods adjacent to particular parks, greenways, or other public spaces. This will be accomplished by engaging residents in a progressive level of involvement through the following components:

1. **Conducting stream walks** along portions of the stream and inviting area residents via e-mail, door-to-door flyers, postcards, and / or neighbor-to-neighbor personal invitations. During stream walks, we discuss water quality, habitat, and streamside buffer issues and management strategies with the residents. We discuss and seek approval for a remediation plan for the stream from those participating.
2. **Planning Trash Cleanup Days**. This event incorporates typically light litter pickups and trash removal.
3. **Attacking Invasive Plants via bushwhacking parties**. Using hand tools to remove bush honeysuckle, garlic mustard, multi-flora rose, and Japanese Knot Weed. These activities involve treating cut shrubs with herbicide in accordance with practices developed by the Invasive Plant Working Group. These activities are to provide neighborhood volunteers with firsthand experience in dealing with invasive plants.
4. **Follow-up Native Plantings**. Uses volunteers to install perennials, shrubs, and trees according to a planting plan to acquaint neighborhood residents with appropriate plant choices.
5. **Bringing in the "Big Kahuna"**. Once the neighborhood fully understands the process, LFUCG, Friends of Wolf Run and others can then proceed with full-scale invasive control and native plantings with newfound understanding and support from neighborhood leadership.
6. **Volunteer Leadership Training and Support** through on-site technical support and on-line training.
7. **Education and Outreach** will be done through the distribution of "Living Along Kentucky Streams" and a "Stream Buffer Brochure" produced by the University of Kentucky Cooperative Extension Service at workdays, when promoting events, and door-to-door distribution to streamside property owners. Installing educational signage on site.

8. **Effectiveness Monitoring.** Continuing water quality checks for field parameters, (Dissolved Oxygen, pH, Temperature and Conductivity), soil condition, as well as nutrients, via field spectrophotometers, and pathogens via *E. coli* analysis in cooperation with LFUCG Town Branch Lab and Bluegrass Community and Technical College.
9. **Identification and Support for “Key Stewards”** to provide ongoing leadership for the parcel / greenway to organize follow-up efforts to keep invasives in check, water plants, and organize additional workdays to take place beyond the scope of the project.
10. **Clearly marking stream buffer improvement areas** will be done with fiberglass posts and educational signs.

## B. Individual Project Site Support

This project incorporates support for ten (10) project sites, technical support, training activities, a demonstration project, and overall administration and coordination, as listed below.

1. Deauville Drive Greenway
2. Killrush Drive Greenway Preston's Cave Spring Park Restoration
3. Wildcat Chase Greenway, Colony Neighborhood
4. Elm Fork Outdoor Biotechnology Lab at Lafayette High School
5. Preston’s Cave Spring Park Stream Buffer Restoration and Inventory
6. Roanoke Drive Greenway
7. Cardinal Valley Park, Stream Buffer Post Construction Planting
8. Gardenside Park
9. Pine Meadow Neighborhood Park and Right of Way Buffer Maintenance
10. Springs Branch Stream Restoration Maintenance
11. Technical Support and Training for Key Stewards and Volunteers
12. Administration

*NOTE: See Figure 1 – Project Location Map. Also, see pages 7-17 for individual project site details, and budgets.*

## C. Public Involvement

Friends of Wolf Run will accomplish public involvement through the support of a volunteer network to include sponsoring neighborhood associations, school groups, property owners, researchers, and contractors engaging local residents.

Friends of Wolf Run will provide the overall project management through the distribution of publications, coordinating field trips to each site, providing signage and boundary marking, and promotions via email, social media, and website publications.

## REPORTING REQUIREMENTS

In addition to the reporting requirements outlined in the Grant Award Agreement (GAA), 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 the Division of Environmental Services prior to work beginning.
2. All attachments to Requests for Funds & Project Status Reports shall reference the associated line in Table 2 – Eligible Expenses.

## EQUIPMENT

Any supplies or 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(s) 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 its Kentucky Pollutant Discharge Elimination System (KPDES) MS4 Phase 1 Permit.

**SITE / CONSTRUCTION ACCESS**

If work is to be performed on private property (including LFUCG-owned), 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. The written authorization(s) shall be provided to the LFUCG Grant Manager prior to work commencing.

**GRANT PERIOD & PROJECT SCHEDULE**

The grant period starts on the date of execution 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 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 – PRELIMINARY PROJECT SCHEDULE**

Activity	Anticipated Date
Convening of project steering committees	Within 1 week of NTP
Approval of work plan by property managers (Parks, Greenways)	Within 30 days of grant award notification
Conduct Stream Walks in new project areas	April 2022
Conduct Stream Clean Up and Trash Removal	April 2022 - October 2023
Conduct Invasive Plant Removal Work Days	April 2022 - October 2023
Conduct native plant installations	May 2022 - October 2023
Follow up work days in existing riparian areas	May 2022 - October 2023
Provide Project Final Report to LFUCG	December 1, 2023

**ADDITIONAL GRANT STIPULATIONS**

1. Tree plantings shall be coordinated with existing utilities prior to plantings, and if possible, trees shall not be planted within 10’ of an existing utility. Encroachment agreements shall be obtained when working within any public or private utility areas.
2. Grantee shall obtain written approval / agreement prior to work being done on properties not owned by the Applicant.
3. Grantee shall verify the need and ensure all permits are received (*i.e.*, FEMA, Army Corps, KDOW, etc.) prior to any streambank stabilization work.
4. The project shall not proceed with field work until written approval to proceed is obtained from the Grant Administrator or Director of Water Quality, because of the potential for conflict with future LFUCG projects.
5. Activities proposed for project site #3 (*i.e.*, Wildcat Chase Greenway - Colony Neighborhood) shall not proceed with field work until written approval to proceed is obtained from the Grant Administrator or Director of Water Quality, because of the Colony Retention Pond Evaluation and Improvements Project; however, proposed project activities at this project site can occur upon completion of the LFUCG Capital Project. To accommodate project site #3, LFUCG will provide for a 24-month grant term in the Grant Award Agreement.
6. Activities proposed for project site #8 (*i.e.*, Gardenside Park Stream Buffer Maintenance) shall be restricted to the Holly Springs side of the creek because of RMP construction activities scheduled for the north side of the creek. Access to the right descending bank (*i.e.*, Gettysburg / Normandy side) will be restricted due to the sanitary sewer project.
7. Activities proposed for project site #10 (*i.e.*, Springs Branch Stream Restoration Maintenance) shall not proceed with field work until written approval to proceed is obtained from the Grant Administrator or Director of Water Quality, because of the Southland Park Stormwater Improvements Project; however, proposed project activities at this project site can occur upon completion of the LFUCG Capital Project. To accommodate project site #10, LFUCG will provide for a 24-month grant term in the Grant Award Agreement.
8. Grantee shall obtain an encroachment permit for each LFUCG-owned greenway, greenspace, ROW, or median site from the Division of Environmental Services, before commencing work on any of these properties.
9. Organization proposes a larger cost share beyond that required by the grant program. Budget shall reflect the 30.2% cost share offered in the application (approximately \$24,762.50).

**PROJECT BUDGET – GRANT ELIGIBLE EXPENSES**

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 cost share.

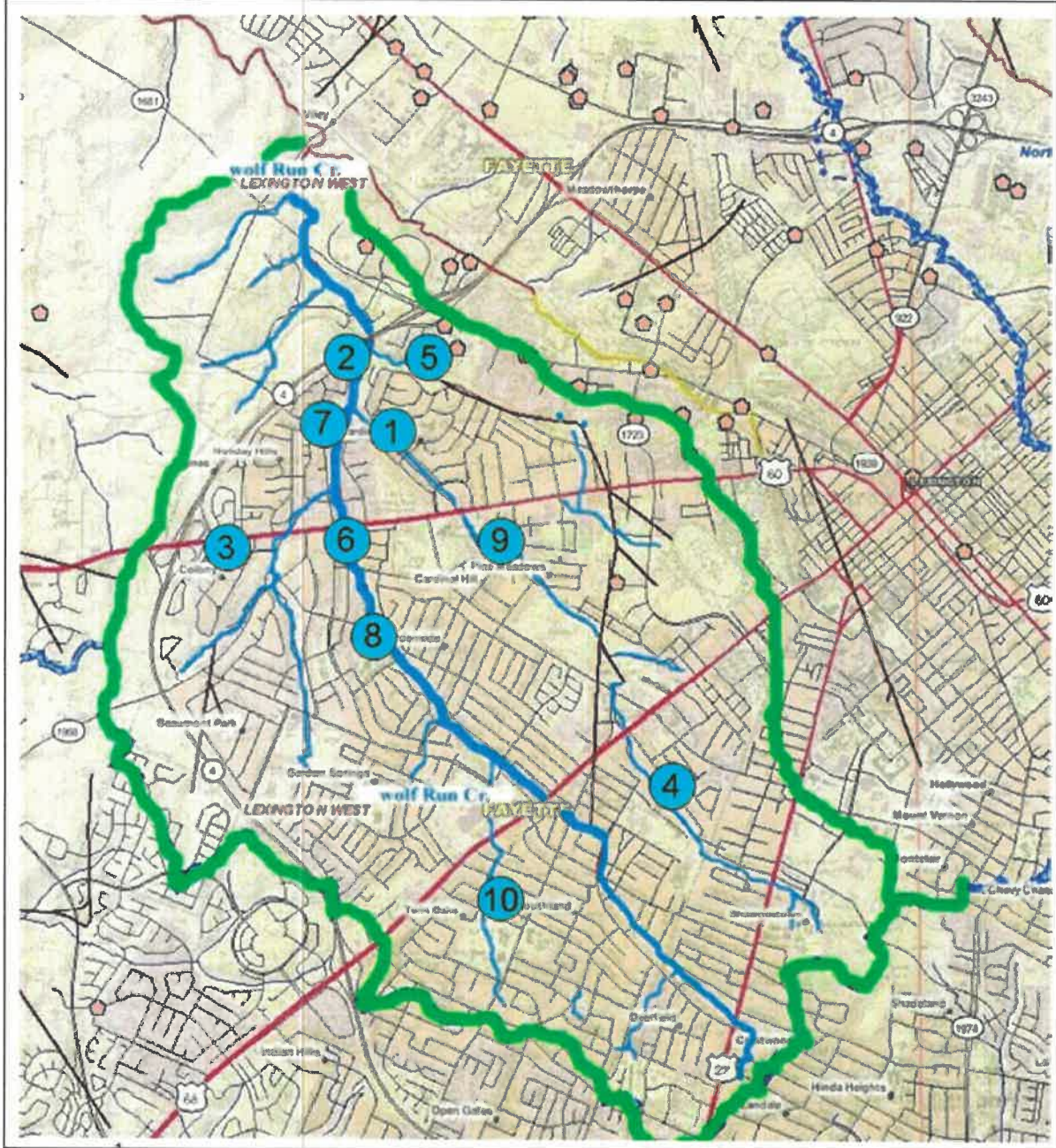
Any work performed on this project prior to grant award by the Urban County Council and Notice to Proceed from the LFUCG Grant Administrator is NOT an eligible expense and shall not be reimbursed or counted toward the cost share.

Construction cost items given in Table 2 are conceptual and the construction estimate will be revised and submitted to the LFUCG Grant Manager for review prior to construction and again once bids are received. **The Grant is a not-to-exceed amount, and any cost overruns are the responsibility of the Grantee.** Note that the Grant shall not be used to fund any project element that is required by local, state, or federal regulation in relation to any new development or redevelopment associated with the stormwater quality improvement project as described herein. Donated professional service hours shall be valued at the Median Hourly Wage for the service provided as published by the U.S. Department of Labor, Bureau of Labor Statistics, State Occupational Employment and Wage Estimates for Kentucky (current website: [http://www.bls.gov/oes/current/oes\\_ky.htm](http://www.bls.gov/oes/current/oes_ky.htm)).

**TABLE 2 – ELIGIBLE EXPENSES**

Line #	Type of Expense	Source	Funded by Organization	Funded by Grant	Total Expense
1	Plant Materials	Local Nurseries	\$ 6,700.00	\$ 10,300.00	\$ 17,000.00
2	Materials and landscaping supplies	Area vendors	\$ -	\$ 4,000.00	\$ 4,000.00
3	Professional Contracted Services	contractors	\$ 7,875.00	\$ 38,775.00	\$ 46,775.00
4	Project Management	Key Stewards and FOWR Leadership	\$ 4,550.00	\$ -	\$ 4,550.00
5	Volunteer Time	Community Volunteers	\$ 2,522.50	\$ -	\$ 2,522.50
6	Printing/Publishing	Local Vendors	\$ 1,000.00	\$ 456.00	\$ 1,456.00
7	Effectiveness Monitoring	Trained Volunteers	\$ 1,215.00	\$ 1,800.00	\$ 3,015.00
8	Field Days and Tours	Friends of Wolf Run	\$ 500.00	\$ -	\$ 500.00
9	Signage	Area Vendors	\$ 400.00	\$ 1,500.00	\$ 1,900.00
10	Artwork and Graphics	FCPS Art Honors Program	\$ -	\$ 500.00	\$ 500.00
<b>TOTAL PROJECT BUDGET:</b>			<b>\$ 24,762.50</b>	<b>\$ 57,331.00</b>	<b>\$ 82,093.50</b>
			<b>ORGANIZATION SHARE 30.2%</b>	<b>GRANT SHARE 69.8%</b>	

**FIGURE 1 – PROJECT LOCATION MAP - WOLF RUN STREAM BUFFER STEWARDSHIP (FROM APPLICATION)**



**SUPPLEMENTAL PROJECT ELEMENT INFORMATION**

*Note: Supplemental project element information is provided by the Organization from the application (see pages 7-17).*

**Project Sites**

1. Deauville Drive Greenway
2. Killrush Drive GreenwayPreston's Cave Spring Park Restoration
3. Wildcat Chase Greenway, Colony Neighborhood
4. Elm Fork Outdoor Biotechnology Lab at Lafayette High School
5. Preston's Cave Spring Park Stream Buffer Restoration and Inventory
6. Roanoke Drive Greenway
7. Cardinal Valley Park, Stream Buffer Post Construction Planting
8. Gardenside Park
9. Pine Meadow Neighborhood Park and Right of Way Buffer Maintenance
10. Springs Branch Stream Restoration Maintenance

**Project Site 1 Detail: Deauville Drive Greenway**



**Personnel:** Jerome Higgenbotham, Key Steward, Jessie Higgenbotham Technology Trust, Dunbar High

**Activity and Outlook**

Vaughn's Branch flows through the Deauville Drive Greenway, our Key Steward works with students at Dunbar High School through their Peace Garden on native plant propagation and maintenance along the Greenway.

**Project Site 1 Budget**

TYPE OF EXPENSE	PARTICIPANTS	ITEM	UNIT PRICE	QUANTITY	FUNDED BY ORGANIZATION	FUNDED BY GRANT	TOTAL EXPENSE
Volunteer Time	JHTT, Cardinal Valley Neighborhood	Follow-up control of honeysuckle/weeds; planting; mulching	\$ 7.25 Per Hour	50	\$ 362.50	\$ -	\$ 362.50
Project Management	Cardinal Valley Neighborhood Association	Jerome Higgenbotham Key Steward volunteer organization and planning	\$ 14.00 Per Hour	20	\$ 280.00	\$ -	\$ 280.00
Project Management	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 14.00 Per Hour	10	\$ 140.00	\$ -	\$ 140.00
Plant Materials	Area Nurseries, JHTT KY Division of Forestry	Seed, shrubs, tree whips and nursery stock	\$ 1,500.00 Per Project	1	\$ -	\$ 1,500.00	\$ 1,500.00
Materials and landscaping supplies	Area Vendors	Landscaping supplies, mulch, volunteer support materials	\$ 500.00 Per Project	1	\$ -	\$ 500.00	\$ 500.00
<b>TOTAL PROJECT BUDGET:</b>					<b>\$ 782.50</b>	<b>\$ 2,000.00</b>	<b>\$ 2,782.50</b>
*COST SHARE % = 28.12%					<b>ORGANIZATION SHARE 28.1%</b>	<b>GRANT SHARE 71.9%</b>	

**Project Site 2 Detail: Killrush Drive GreenwayPreston's Cave Spring Park Restoration**



**Personnel:** Nachie Braga, Key Steward and Neighborhood Liaison, Will Anglin, Geomancer Permaculture Contractor

**Activity and Outlook**

The continuation of removing invasive Amur honeysuckle from along the bank of Wolf Run Creek. Extend the existing waste wood hugelkultur mound delineating the new “no mow” zone. Installing native fruit and nut bearing woody trees in the buffer zone developing a “Food Forest”. Utilize project site as an educational resource and example for future installations.

**Project Site 2 Budget**

Line #	TYPE OF EXPENSE	PARTICIPANTS	ITEM	UNIT PRICE	QUANTITY	FUNDED BY ORGANIZATION	FUNDED BY GRANT	TOTAL EXPENSE
1	Contracted Professional Services	Geomancer Permaculture or bid	Cut and treat invasive bush honeysuckle on left bank of Wolf Run	\$ 6,000.00 per acre	1	\$ -	\$ 6,000.00	\$ 6,000.00
2	Contracted Professional Services	Geomancer Permaculture or bid	Planting site preparation and plant material installation	\$ 3,000.00 Per Acre	1	\$ -	\$ 3,000.00	\$ 3,000.00
3	Landscaping materials	Geomancer Permaculture or bid	Mulch, control herbicides, supplies	\$ 1,000.00 Per project	1	\$ -	\$ 1,000.00	\$ 1,000.00
4	Plant Materials	Geomancer Permaculture or bid	Native woody plants, primarily fruit and nut bearing species, forbs, grasses and seed	\$ 2,500.00 Per Project	1	\$ 500.00	\$ 2,000.00	\$ 2,500.00
5	Donated Professional Services	Geomancer Permaculture or bid	Site evaluation and design	\$ 1,000.00 Per Project	1	\$ 1,000.00	\$ -	\$ 1,000.00
6	Donated Professional Services	Geomancer Permaculture, volunteers, Friends of Wolf Run	Maintenance site visits to assist in native plant establishment and invasive control	\$ 375.00 Per visit	4	\$ 1,500.00	\$ -	\$ 1,500.00
7	Project Administration	Friends of Wolf Run	Financial Administration, grant reporting	\$ 14.00 Per Hour	10	\$ 140.00	\$ -	\$ 140.00
8	Project Administration	Cardinal Valley/Killrush Neighborhood	Neighborhood Interface, communication and feedback	\$ 14.00 Per Hour	5	\$ 70.00	\$ -	\$ 70.00
9	Volunteer Time	Friends of Wolf Run/ neighborhood	Volunteer litter pickups, planting and invasive resprout control	\$ 7.25 Per Hour	20	\$ 145.00	\$ -	\$ 145.00
10	Totals					<b>TOTAL PROJECT BUDGET: \$ 3,355.00</b>	<b>\$ 12,000.00</b>	<b>\$ 15,355.00</b>
11						<b>ORGANIZATION SHARE 21.8%</b>	<b>GRANT SHARE 78.2%</b>	
12								
13								
14								

**Project Site 3 Detail: Wildcat Chase Greenway, Colony Neighborhood**



**Personnel:** Jerry Weisenfluh, Key Steward & Project Partners, Colony Neighborhood, Skybax Ecological Restoration

**Activity and Outlook**

Wildcat Chase is a headwater stream of Wolf Run Creek that is located south of Versailles Road in the Colony subdivision. It originates as a seep in proximity to a stormwater retention pond and flows along a city greenway toward Cardinal Run Creek.

**Project Tasks**

1. Clear winter creeper within 25 feet of stream bank using mechanical means.
2. Install new plants as budget permits.
3. Mulch existing plants where feasible.

**Project Site 3 Budget**

Line #	TYPE OF EXPENSE	PARTICIPANTS	ITEM	UNIT PRICE	QUANTITY	FUNDED BY ORGANIZATION	FUNDED BY GRANT	TOTAL EXPENSE	
1	Contracted Services	Skybox Ecological Services, LLC	Flag existing plants for protection and clear winter creeper from base	\$ 2,800.00 per acre	0.5	\$ -	\$ 1,400.00	\$ 1,400.00	
2	Contracted Services	Skybox Ecological Services, LLC	Remove wood debris and dispose off site	\$ 300.00 per day	0	\$ -	\$ -	\$ -	
3	Plant Materials	Skybox Ecological Services, LLC	Additions of potted trees such as swamp white oak and blue ash	\$50 per plant	0	\$ -	\$ -	\$ -	
4	Plant Materials	Skybox Ecological Services, LLC	Follow-up control of honeysuckle/weeds; planting; mulching	\$ 5.00 per plant	100	\$ -	\$ 500.00	\$ 500.00	
5	Volunteer Hours	Key Steward Colony Neighborhood	Volunteer Hours for invasive management	\$ 14.00 per hour	35	\$ 490.00	\$ -	\$ 490.00	
6	Volunteer Time	Friends of Wolf Run	Financial administration, grant reporting	\$ 14.00 per hour	5	\$ 70.00	\$ -	\$ 70.00	
7	<b>TOTAL PROJECT BUDGET:</b>						<b>\$ 560.00</b>	<b>\$ 1,900.00</b>	<b>\$ 2,460.00</b>
8							<b>ORGANIZATION SHARE 22.8%</b>	<b>GRANT SHARE 77.2%</b>	
9	<b>*COST SHARE % = 22.76%</b>								
10									
11									

**Project Site 4 Detail: Elm Fork Outdoor Biotechnology Lab at Lafayette High School**



**Personnel:** Paula Sumner, Key Steward & Biotechnology Faculty, Russ Turpin, Technical Consultant

**Activity and Outlook**

Lafayette High School is home to the first dual credit biotechnology program in the State of Kentucky with students coming from across Fayette County. We are excited to start work along Elm Fork of Vaughn’s Branch. (A tributary to Wolf Run) within walking distance of our school. Our goal is to learn about our natural environment and how to improve and educate others through community service.

**Project Goals:**

1. Site assessment: current condition of flora, fauna and water quality developing recommendations on how to reduce honeysuckle and other aliens, plus replacement of natives for continued successful growth for future seasons.
2. Students will be involved in plant identification, aquatic and terrestrial invertebrate identification and use of field sampling equipment to measure water quality and quantity.

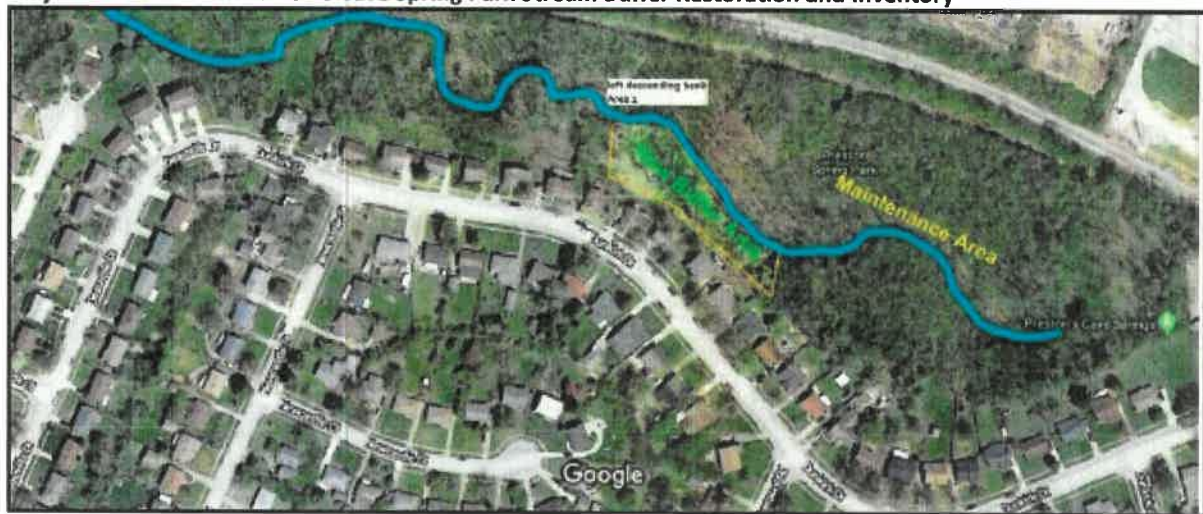
**Project timeline:**

- Research Phase with initial test plots cleared and planted, Spring 2022
- Additional Clean up and restoration September 2022 - November 2022
- Follow up research phase with maintenance work Spring 2023.

**Project Site 4 Budget**

Line #	TYPE OF EXPENSE	PARTICIPANTS	ITEM	UNIT PRICE	QUANTITY	FUNDED BY ORGANIZATION	FUNDED BY GRANT	TOTAL EXPENSE
1	Volunteer Time	Lafayette Students, Community Volunteers	New planting, educational field days, community outreach	\$ 7.25 Per Hour	50	\$ 362.50	\$ -	\$ 362.50
2	Contracted Professional Services	Ecogro, Russ Turpin	Management plan development and oversight of implementation, training and technical support for student volunteers, herbicide application by licensed applicator	\$ 75.00 Per Hour	16	\$ -	\$ 1,200.00	\$ 1,200.00
3	Project Management	Lafayette High School Faculty	Paula Sumner, Biotechnology Faculty	\$ 14.00 Per Hour	20	\$ 280.00	\$ -	\$ 280.00
4	Donated Professional services	University of Kentucky	Faculty technical support for insect identification/classification	\$ 50.00 Per Hour	5	\$ 250.00	\$ -	\$ 250.00
5	Donated Professional Services	Ecogro, Russ Turpin	Professional Development, CEUs, training and technical support for FCPS staff and professionals	\$ 50.00 Per Hour	5	\$ 250.00	\$ -	\$ 250.00
6	Effectiveness Monitoring	Lafayette High School Students/Faculty	Field monitoring equipment, Hanna Meters, Vernier Probes, Invertebrate collection materials	\$ 1,000.00 Per Project	Varies	\$ -	\$ 1,000.00	\$ 1,000.00
7	Project Management	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 14.00 Per Hour	10	\$ 140.00	\$ -	\$ 140.00
8	Plant Materials	Area Nurseries, KY Division of Forestry	Trees, Shrubs, Perennial Plants and Seed	\$ 1,500.00 Per Project	1	\$ -	\$ 1,500.00	\$ 1,500.00
9	Materials and landscaping supplies	Area Vendors	Landscaping supplies, mulch, volunteer support materials	\$ 400.00 Per Project	1	\$ -	\$ 400.00	\$ 400.00
<b>TOTAL PROJECT BUDGET:</b>						<b>\$ 1,282.50</b>	<b>\$ 4,100.00</b>	<b>\$ 5,382.50</b>
*COST SHARE % = 23.83%						<b>ORGANIZATION SHARE 23.8%</b>	<b>GRANT SHARE 76.2%</b>	

**Project Site 5 Detail: Preston’s Cave Spring Park Stream Buffer Restoration and Inventory**



**Personnel:** Jerry Weisenfluh, Key Steward; Garry Libby, Project Manager, Skybox Ecological Restoration, LLC; Access trail development, and Officer David Jones, LFUCG Public Safety.

**Activity and Outlook**

The effort will be devoted to restoring the riparian buffer zone with native vegetation in aim of increasing the plant diversity to help stabilize the plant communities and resist competition from the invasive plant species that dominate the forest understory. This initial project will include 1000 linear feet from the end of the zone currently being restored, forming a Stream Buffer Zone along the north side of the creek floodplain where non-native Garlic Mustard (*Alliaria petiolata*) and alien Bush Honeysuckle (*Lonicera maackii*) will be treated.

**Project Elements**

1. Bush Honeysuckle will be cut, the stumps treated with herbicide and the stems and branches cut down so that they are below waist level and dispersed in the understory.
2. This effort will include flagging and avoiding damage to existing tree and shrub species that are desirable and will help fill the gap left by honeysuckle treatments.
3. Native species to be emphasized in re-plantings here will include Willows, Hydrangea, Dogwoods, Spicebush, Bladdernut, Black Haw and other selected shrubs (e.g., *Amorpha fruticosa*, *Cephalanthus occidentalis*, *Physocarpus opulifolius*, *Ptelea trifoliata*, *Rosa setigera*, *R. palustris*, *Sambucus canadensis*, *Viburnum dentatum*, *Zanthoxylum americanum*).
4. Plantings will also include a tree planting on the 2 acres of wetland with emphasis on Swamp White Oak (*Quercus bicolor*), Bur Oak (*Quercus macrocarpa*) and Shumard Oak (*Q. shumardii*).
5. Volunteers will work to control bush honeysuckle resprouts, garlic mustard and other invasives in previously cleared areas in addition to supplemental planting and seeding in accordance with the Park’s Natural Resources Management Plan.
6. Kentucky Mountain Bike Association, Bluegrass Chapter in cooperation with LFUCG Public Safety will continue to develop the public safety and maintenance access trail through newly opened areas.
7. A community wide work / exploration day will be held, usually the last Sunday in April showcasing work done in the park and involving community volunteers in specific restoration activities.
8. At completion of the project, a complete report will be produced, including description of plant material, planting map and plan for future use.

**Project Schedule**

- a. Spring 2022: removal of alien plants along stream and in wetlands.
- b. Spring and Fall 2022: planting of native plants (as outlined above).
- c. Spring 2023: establishment of educational signs; development of trails.
- d. Fall 2023: seminar and release plant inventory and ecological maps.

**Project Site 5 Budget**

Line #	TYPE OF EXPENSE	PARTICIPANTS	ITEM	UNIT PRICE	QUANTITY	FUNDED BY ORGANIZATION	FUNDED BY GRANT	TOTAL EXPENSE	
<b>1 Project Element: Stream Buffer Restoration Zone and Wetland Plantings [ca. 2 acres]</b>									
2	Contracted Services	Skybax Ecological Services, LLC	Cutting and piling honeysuckle; herbicide application to stumps	\$ 5,000.00 per acre	\$ 2.00	\$ -	\$ 10,000.00	\$ 10,000.00	
3	Plant Materials	Skybax Ecological Services, LLC	Collection and selection of native woody and herbaceous species	\$ 50.00 per plant	\$ 100.00	\$ 5,000.00	\$ -	\$ 5,000.00	
4	Contracted Services	Skybax Ecological Services, LLC	Careful identification and removal of unwanted alien plants	\$ 1,000.00 per acre	\$ 2.00	\$ -	\$ 2,000.00	\$ 2,000.00	
5	Plant Materials	Skybax Ecological Services, LLC	Collection and growing of tree seedlings for wetland planting	\$ 5.00 per plant	\$ 200.00	\$ 1,000.00	\$ -	\$ 1,000.00	
6	Contracted Services	Skybax Ecological Services, LLC	Follow-up control of honeysuckle/weeds; planting; mulching	\$ 5.00 per plant	\$ 200.00	\$ -	\$ 1,000.00	\$ 1,000.00	
<b>7 Project Element: Volunteer Days, Plant Species Inventory, Map of Project/Special Features</b>									
8	Volunteer Hours	Jerry Wisenfiuh	Volunteer Hours for organizing and advertising event	\$ 7.50 per hour	20	\$ 150.00	\$ -	\$ 150.00	
9	Project Leadership	Key Steward Jerry Wisenfiuh	Work planning, communication, training and on-site supervision	\$ 14.00 Per Hour	50	\$ 700.00	\$ -	\$ 700.00	
10	Donated Professional Services	Native Plant Specialist Jannine Baker	Site planning, plant acquisition and propagation, instruction and training	\$ 40.00 Per Hour	10	\$ 400.00	\$ -	\$ 400.00	
11	Contracted Services	KY Mountain Bike Association Cole Gruber Trail Boss	Trail planning, work supervision, maintenance and new trail development	\$ 1,800.00 Per Segment	1	\$ 600.00	\$ 1,200.00	\$ 1,800.00	
12	Landscaping Supplies and Materials	Project personnel, FWR and neighborhood	Volunteer Supplies and Landscaping materials	\$ 300.00 Per Project	1	\$ -	\$ 300.00	\$ 300.00	
13	Plant Inventory, Mapping and Reports	Skybax Ecological Services, LLC	Preparation of a Species List and Special Features Map	\$ 600.00 per each	1	\$ -	\$ 600.00	\$ 600.00	
14	<b>TOTAL PROJECT BUDGET:</b>						<b>\$ 7,850.00</b>	<b>\$ 15,100.00</b>	<b>\$ 22,950.00</b>
15							<b>ORGANIZATION SHARE</b>	<b>GRANT SHARE</b>	
16							<b>34.2%</b>	<b>65.8%</b>	
17	*COST SHARE % = 34.20%								

**Project Site 6 Detail: Roanoke Drive Greenway**



**Personnel:** Harold Hays, Key Steward; & Port Royal Neighborhood Association Partners.

**Activity and Outlook**

The Sanitary Sewers Remedial Measures construction has been completed. Neighborhood Leadership, organized by their designated Key Steward, will continue its maintenance of the stream buffer with development of a mulched walking path to get more woodchips incorporated in the soil to recondition the area and provide for passive recreation. The site has an exemplary Native River Cane Stand and other unique features for an urban area.

This project will engage neighborhood residents in that restoration through the following activities:

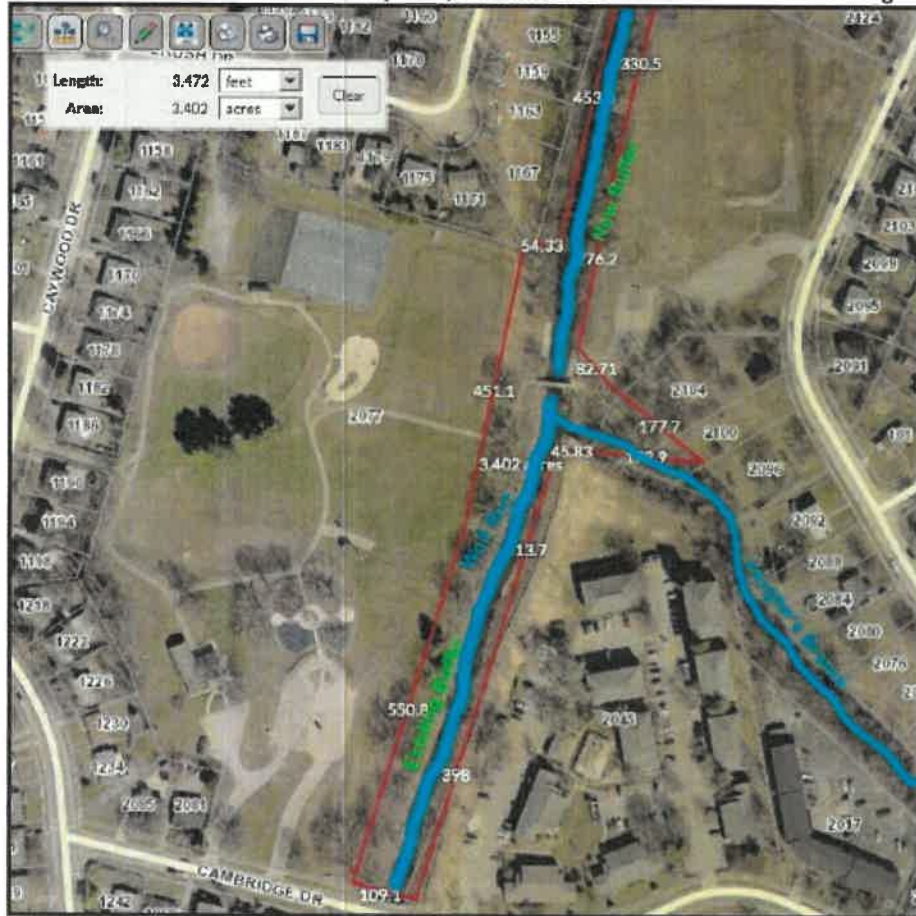
- 1. Educational Stream Walks and Planning events.
- 2. Volunteer Stream Cleanup/litter pick up patrols
- 3. Volunteer planting days installing "Plant by Number" inspired perennial flowering plants.
- 4. Infill and replacement planning in the wooded buffer established through past work.



**Project Site 6 Budget**

LINE #	TYPE OF EXPENSE	PARTICIPANTS	ITEM	UNIT PRICE	QUANTITY	FUNDED BY ORGANIZATION	FUNDED BY GRANT	TOTAL EXPENSE	
1	Volunteer Time	Port Royal Neighborhood	Litter pickup, Planting, Seeds, Educational Field Days	\$ 7.25 Per Hour	20	\$ 145.00	\$ -	\$ 145.00	
2	Project Management	Key Steward, Harold Hays, Port Royal Neighborhood	Project Coordination, Neighborhood Engagement, Communications and Planning	\$ 14.00 Per Hour	25	\$ 350.00	\$ -	\$ 350.00	
3	Grant Management	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 14.00 Per Hour	5	\$ 70.00	\$ -	\$ 70.00	
4	Plant Materials	Area Nurseries	Tree Whips, Shrubs Seed and Perennial Flowering Plants	\$ 1,500.00 Per Project	1	\$ -	\$ 1,500.00	\$ 1,500.00	
5	Materials and landscaping supplies	Area Vendors	Landscaping supplies, Wood Chips, volunteer support materials	\$ 500.00 Per Project	1	\$ -	\$ 500.00	\$ 500.00	
6	<b>TOTAL PROJECT BUDGET:</b>						<b>\$ 565.00</b>	<b>\$ 2,000.00</b>	<b>\$ 2,565.00</b>
7							<b>ORGANIZATION SHARE 22.0%</b>	<b>GRANT SHARE 78.0%</b>	
8	*COST SHARE % = 22.03%								
9									

**Project Site 7 Detail: Cardinal Valley Park, Stream Buffer Post Construction Planting**



**Personnel:** Cardinal Valley Park, Stream Buffer Post Construction Planting; Adonya Boyle, Nature Studies Teacher, Cardinal Valley School.

**Activity and Outlook:** Stream buffer work in Cardinal Valley Park is now in full swing engaging a wide variety of community groups in one of our most diverse neighborhoods.

**Project Site 7 Budget**

LINE #	TYPE OF EXPENSE	PARTICIPANTS	ITEM	UNIT PRICE	QUANTITY	FUNDED BY ORGANIZATION	FUNDED BY GRANT	TOTAL EXPENSE
1	Volunteer Time	Boy Scouts of America	Litter pickup, Planting, Seeds	\$ 7.25 Per Hour	50	\$ 362.50	\$ -	\$ 362.50
2	Project Management	Key Steward, Cardinal Valley School	Adonya Boyle, Nature Studies Teacher	\$ 14.00 Per Hour	10	\$ 140.00	\$ -	\$ 140.00
3	Project Management	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 14.00 Per Hour	10	\$ 140.00	\$ -	\$ 140.00
4	Plant Materials	Area Nurseries	Tree Whips, Seed and Perennial Flowering Plants	\$ 1,000.00 Per Project	1	\$ -	\$ 1,000.00	\$ 1,000.00
5	Educational Artwork	Art Honors Program	Design and Installation anti-littering, Water Quality Mural	\$ 500.00 Per Project	1	\$ -	\$ 500.00	\$ 500.00
	Materials and landscaping supplies	Area Vendors	Landscaping supplies, mulch, volunteer support materials	\$ 500.00 Per Project	1	\$ -	\$ 500.00	\$ 500.00
<b>TOTAL PROJECT BUDGET:</b>						<b>\$ 642.50</b>	<b>\$ 2,000.00</b>	<b>\$ 2,642.50</b>
*COST SHARE % = 24.31%						<b>ORGANIZATION SHARE 24.3%</b>	<b>GRANT SHARE 75.7%</b>	

**Project Site 8 Detail: Gardenside Park (left bank buffer)**



**Personnel:** Kristine Goggin, Key Steward, Gardenside Neighborhood Association, Partners; Gardenside Park (Left Descending Bank only until after Sanitary Sewer Project is complete)

**Activity and Outlook:** Funding is sought for maintenance and infill planting to continue successful neighborhood engagement in the property. Past successes have increased the popularity of the park and neighborhood support and understanding for no-mow zone policies. Expansion of no mow zone areas by LFUCG Parks through the Bring Back the Bluegrass will require additional outreach and education. **Note: No plant materials will be installed on the right descending bank to be impacted by Sanitary Sewers construction.** Some activity in the area may include plant and tree rescue operations removing previously installed flower beds, shrubs and trees to safer spaces.

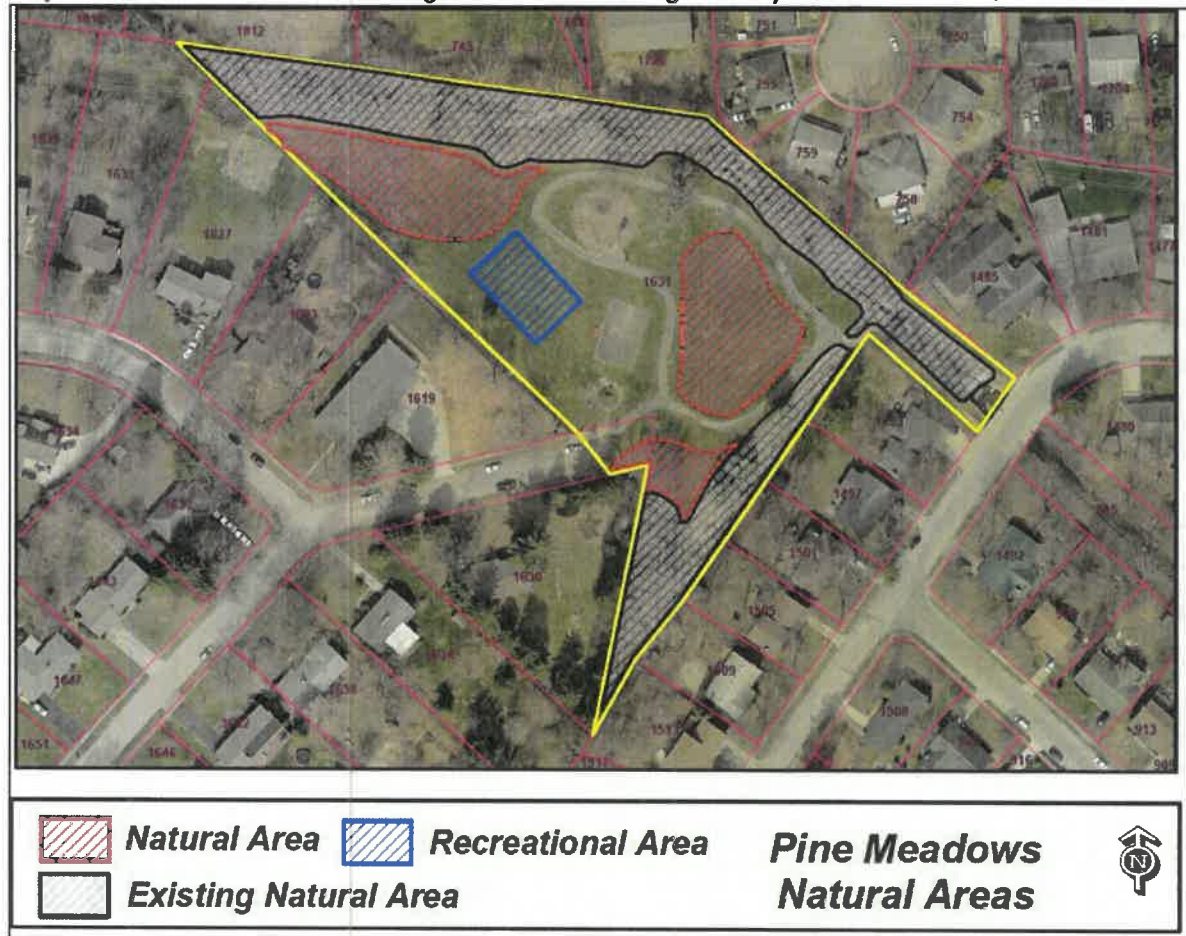
**Project Activities include:**

1. Continued volunteer work days controlling weeds and invasives in existing no mow zones.
2. Plant by Numbers inspired installation of native flowering plants at the edges of new no mow zones being installed in the park through LFUCG's Bring Back the Bluegrass program.
3. Infill planting in existing buffer areas where needed.
4. Continued support of streamside private property owner plantings and maintenance

**Project Site 8 Budget**

LINE #	TYPE OF EXPENSE	PARTICIPANTS	ITEM	UNIT PRICE	QUANTITY	FUNDED BY ORGANIZATION	FUNDED BY GRANT	TOTAL EXPENSE	
1	Volunteer Time	Area neighbors	Litter pickup, invasive management, planting, seeds, educational field says	\$ 7.25 Per Hour	20	\$ 145.00	\$ -	\$ 145.00	
2	Project Management	Key Steward, Susan Spalding	Project Coordination, Neighborhood Engagement, Communications and Planning	\$ 14.00 Per Hour	10	\$ 140.00	\$ -	\$ 140.00	
3	Grant Management	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 14.00 Per Hour	5	\$ 70.00	\$ -	\$ 70.00	
4	Plant Materials	Area Nurseries	Tree Whips, Seed and Perennial Flowering Plants	\$ 1,000.00 Per Project	1		\$ 1,000.00	\$ 1,000.00	
5	Materials and landscaping supplies	Area Vendors	Landscaping supplies, mulch, volunteer support materials	\$ 200.00 Per Project	1	\$ -	\$ 200.00	\$ 200.00	
6	<b>TOTAL PROJECT BUDGET:</b>						<b>\$ 355.00</b>	<b>\$ 1,200.00</b>	<b>\$ 1,555.00</b>
7							<b>ORGANIZATION SHARE 22.8%</b>	<b>GRANT SHARE 77.2%</b>	
8	*COST SHARE % = 22.83%								
9									

**Project Site 9 Detail: Pine Meadow Neighborhood Park and Right of Way Buffer Maintenance**



**Personnel:** Julie Marfell, Key Steward, Pine Meadow Neighborhood Association; Pine Meadow Neighborhood Park and Right of Way Buffer Maintenance

**Activity and Outlook:** Objectives for this project area is to maintain neighborhood engagement in invasive plant control, native plantings and support for LFUCG Division of Environmental Services work maintaining the public corridor through the heart of the neighborhood.

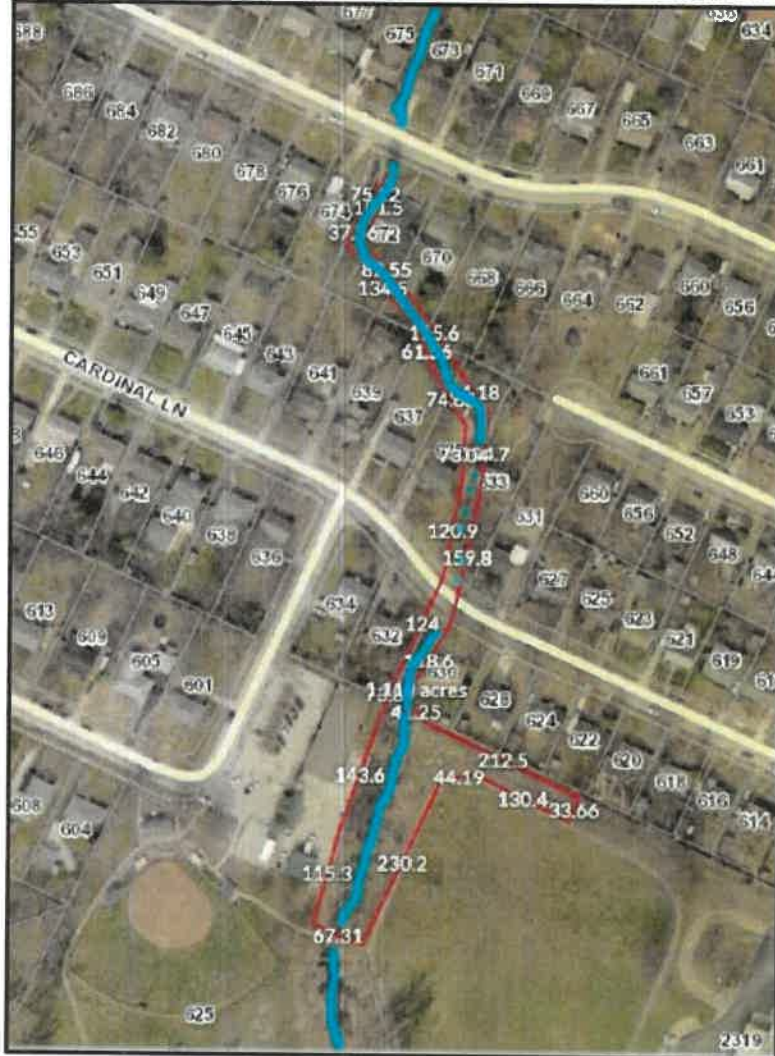
Maintenance contractors will be engaged for invasive resprout control in the Park. The project will continue its private property owner demonstration plot support and include additional native plant installation along a perennial spring that feeds a tributary of the creek through Pine Meadow Park.

New activities will include support for the Bring Back the Bluegrass public lands naturalization program including policing for invasive plants and planting "Plant by Number" inspired flowering native plant clusters on the borders that can handle the anticipated mowing regime.

**Project Site 9 Budget**

LINE #	TYPE OF EXPENSE	PARTICIPANTS	ITEM	UNIT PRICE	QUANTITY	FUNDED BY ORGANIZATION	FUNDED BY GRANT	TOTAL EXPENSE	
1	Volunteer Time	Property owner, Pine Meadow, Community Volunteers	Stream Walks, Volunteer Work Days	\$ 7.25 Per Hour	20	\$ 145.00	\$ -	\$ 145.00	
2	Plant Materials	Area vendors, Nurseries	Trees, Shrubs, Perennial Plants and Seed	\$ 400.00 Per Project	1	\$ 200.00	\$ 200.00	\$ 400.00	
3	Project Management	Key Steward, Pine Meadow Neighborhood	Project organization and administration	\$ 14.00 Per Hour	15	\$ 210.00	\$ -	\$ 210.00	
4	Project Management	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 14.00 Per Hour	5	\$ 70.00	\$ -	\$ 70.00	
5	Contracted Professional Services	Will Overbeck, Consulting Plant Ecologist.	Plant Species Inventory	\$ 500.00 Per Acre	1	\$ 200.00	\$ 300.00	\$ 500.00	
6	Contracted Professional Services	Will Overbeck, Consulting Plant Ecologist.	Invasive Control and Treatment	\$ 400.00 Per site visit	3	\$ -	\$ 1,200.00	\$ 1,200.00	
7	Materials and landscaping supplies	Area Vendors	Landscaping supplies, mulch, volunteer support materials	\$ 300.00 Per Project	1	\$ -	\$ 300.00	\$ 300.00	
8	<b>TOTAL PROJECT BUDGET:</b>						<b>\$ 825.00</b>	<b>\$ 2,000.00</b>	<b>\$ 2,825.00</b>
9							<b>ORGANIZATION SHARE 29.2%</b>	<b>GRANT SHARE 70.8%</b>	
10	*COST SHARE % = 29.20%								
11									

**Project Site 10 Detail: Springs Branch Stream Restoration Maintenance**



**Personnel:** Christy Cartner, Key Steward & Southland Park Neighborhood Association

**Activity and Outlook:** This project is designed to “Dovetail” with the completion of the Southland Park Flood Mitigation Project and maintain stream buffer areas not affected by that construction (Downstream of the Causeway) including areas downstream to the Sheridan Drive Culvert.

**Project Activities** will include the following:

1. Twice annual spring and fall cleanups and volunteer work days with on-site monitoring in cooperation with LFUCG Parks Southbase (Located at the site) and Fayette County Public Schools (Notification only).
2. A contractor (Eco Gro) will be retained to carry out maintenance on Fayette County Public Schools grounds.
3. Continuing control of Cattail infestation, Bush Honeysuckle sprout pulling and Johnson Grass Control.
4. Educational stream walks will be planned in cooperation with the Neighborhood Association, and when requested, with Clay’s Mill Elementary faculty and Staff.

**Project Timeline** in coordinated with Flood Mitigation project will include the following:

1. Maintenance and infill planting between Park Boundary and Sheridan Drive Culvert will start on grant award. Spring 2022.
2. Work on Fayette County Public Schools Property will begin after limits of construction for Southland Park Flood Project are known. (Fall 2022).
3. Awareness and public engagement activities will occur in cooperation with Flood Mitigation Project Managers only AFTER construction on the stormwater storage area is complete and contracts for post construction planting are completed. (Spring 2023).

**Project Site 10 Budget**

LINE #	TYPE OF EXPENSE	PARTICIPANTS	ITEM	UNIT PRICE	QUANTITY	FUNDED BY ORGANIZATION	FUNDED BY GRANT	TOTAL EXPENSE
1	Volunteer Time	Friends of Wolf Run, Community Participants	Stream Walks, Volunteer Work Days	\$ 7.25 Per Hour	20	\$ 145.00	\$ -	\$ 145.00
2	Plant Materials	Area vendors, Nurseries	Trees, Shrubs, Perennial Plants and Seed	\$ 500.00 Per Project	1	\$ -	\$ 500.00	\$ 500.00
3	Project Management	Key Steward, Southland Park Neighborhood Association	Project organization and administration	\$ 14.00 Per Hour	20	\$ 280.00	\$ -	\$ 280.00
4	Project Management	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 14.00 Per Hour	5	\$ 70.00	\$ -	\$ 70.00
5	Contracted Professional Services	Eco Gro	Invasive Control and Treatment	\$ 75.00 Per Hour	16	\$ -	\$ 1,200.00	\$ 1,200.00
6	Materials and landscaping supplies	Area Vendors	Landscaping supplies, mulch, volunteer support materials	\$ 300.00 Per Project	1	\$ -	\$ 300.00	\$ 300.00
7	<b>TOTAL PROJECT BUDGET:</b>					\$ 495.00	\$ 2,000.00	\$ 2,495.00
8						<b>ORGANIZATION SHARE</b>	<b>GRANT SHARE</b>	
9	*COST SHARE % = 19.84%					19.8%	80.2%	
10								

**Project Site 11 Detail: Stream Steward Technical Support, Training for Key Stewards & Volunteers and Virtual Tour Development**

**Personnel:** Amanda Gumbert, PhD – University of Kentucky; Lee Moser, MS – University of Kentucky; Brian Volland – University of Kentucky & Harrison Whaley – ThePhaseTwo

**Duration of Project**

- Manage Backyard Streams Certification Program. Activities include managing participant inquiries, maintaining website for Core Competencies (including updating content, graphics, and maintaining availability to new stream stewards), distributing certificates, and maintaining supplemental video and technical resources.

**Early Spring 2022**

- Plan and facilitate a virtual Best Practices / Core Competencies discussion among key stream stewards and greenways volunteers. Focus will be on sharing past successes, challenges, and identifying opportunities for the upcoming planting season. Target audience will include stream stewards and interested landowners from the entire LFUCG service area in addition to those from the Wolf Run Watershed up to the funded participant limit.

**Spring / Summer 2022**

- Capture video and photo (including ground level and drone) documentation of up to five improved / restored stream buffers and / or greenways within the LFUCG urban service boundary (priority given to those utilizing Stormwater Quality Projects Incentive Grant Program funds). Selected projects will represent a cross-section of scale, resources, etc.
- Gather and compile historic and current information on same stream buffers / greenways regarding restoration effort, size of project(s), volunteer base, etc.

**Summer 2022**

- Provide one, ½-day stream buffer / greenways tour of Wolf Run projects. Tour will include stream / greenways restoration best practices exchange. Target audience includes volunteers, stream stewards, and other interested parties from the entire LFUCG service area in addition to those from the Wolf Run Watershed up to the funded participant limit.

**Fall 2022 / Winter 2023**

- Develop virtual tours (ArcGIS StoryMaps) of up to five improved / restored stream buffers and/or greenways using the video / photo documentation and historic and current information about the projects. StoryMaps will be linked through the University of Kentucky Backyard Streams program website, providing open access to stream stewards, watershed coordinators, and potential restoration volunteers. These products will not only summarize the restoration efforts but will also serve as example projects and inspiration for future restoration endeavors, at various scales.

**Late Winter / Early Spring 2023**

- Plan and facilitate a virtual Best Practices / Core Competencies discussion among key stream stewards and greenways volunteers. Focus will be on sharing past successes, challenges, and identifying opportunities for the upcoming planting season. Target audience will include stream stewards and interested landowners from the entire LFUCG service area in addition to those from the Wolf Run Watershed up to the funded participant limit.

Details: Friends of Wolf Run will provide project management, workshop/practicum facility set-up, registration, refreshments and additional printed materials as needed.

**Project Site 11 Budget**

LINE #	TYPE OF EXPENSE	PARTICIPANTS	ITEM	UNIT PRICE		QUANTITY	FUNDED BY ORGANIZATION	FUNDED BY GRANT	TOTAL EXPENSE
1	Contracted Professional Services	UK Cooperative Extension, Dr. Amanda Gumbert Et Al	Backyard Streams Steward Certification Program Coordination (Participant management, website maintenance, etc.)	\$ 35.00	HR	80	\$ 1,400.00	\$ 1,400.00	\$ 2,800.00
2	Printing	UK Cooperative Extension, Dr. Amanda Gumbert Et Al	Publication printing	\$ 0.50	EA	400	\$ 200.00	\$ -	\$ 200.00
3	Contracted Professional Services	UK Cooperative Extension, Dr. Amanda Gumbert Et Al	Facilitate Best Practices/Core Competencies Roundtables	\$ 750.00	EA	2	\$ -	\$ 1,500.00	\$ 1,500.00
4	Contracted Professional Services	UK Cooperative Extension, Dr. Amanda Gumbert Et Al	Improved stream buffers / greenways tour (In-person)	\$ 150.00	per participant	20	\$ -	\$ 3,000.00	\$ 3,000.00
5	Contracted Professional Services	The Phase II	Improved stream buffers / greenways video documentation	\$ 75.00	HR	15	\$ 750.00	\$ 375.00	\$ 1,125.00
6	Contracted Professional Services	UK Cooperative Extension, Dr. Amanda Gumbert Et Al	Improved stream buffers / greenways video editing, production	\$ 35.00	HR	15	\$ 525.00	\$ -	\$ 525.00
7	Project Management	Friends of Wolf Run Treasurer	Project finance, payments, reporting	\$ 14.00	HR	10	\$ 140.00		\$ 140.00
8	Contracted Professional Services	UK Cooperative Extension, Dr. Amanda Gumbert Et Al	Improved stream buffers/greenways Story Map development	\$ 1,000.00	EA	5	\$ 1,000.00	\$ 4,000.00	\$ 5,000.00
9	Totals			<b>TOTAL PROJECT BUDGET:</b>			\$ 4,015.00	\$ 10,275.00	\$ 14,290.00
10				*COST SHARE % =			28.1%	71.9%	
11							ORGANIZATION SHARE	GRANT SHARE	
12							28.1%	71.9%	

**Project Site 12 Detail: Stream Steward Technical Support and Training**

**Personnel:** Ken Cooke, Project Administrator, Friends of Wolf Run, Friends of Wolf Run Board of Trustees.

Friends of Wolf Run leadership will provide general project coordination including:

1. Production and supply of educational signage for stream restoration sites and commercial sites adjacent to the waterway.
2. Providing no-mow zone markers for project areas.
3. Distribution to key stewards and neighborhood leadership publications related to stream buffer science, installation and maintenance. (Living Along A Kentucky Stream).
4. Outreach and communication regarding specific project work days, tours and events through social media, website, email distribution and printed flyers.
5. On site field support for Key Stewards, organizing meetings and planning sessions with property owners, city officials and volunteer leadership.
6. Specific coordination of Herbicide Applicators Certification through the Kentucky Department of Agriculture Division of Pesticide Regulation. At least one certified herbicide applicator is assigned to each project area. The project covers the testing fee and certification fee for the Key Steward or his / her designated project representative.
7. Effectiveness monitoring in cooperation with the LFUCG Town Branch Water Quality Lab, operations of field testing for temperature, Dissolved Oxygen, pH, and Conductivity. Additional effectiveness monitoring conducted in cooperation with Bluegrass Community and Technical College Environmental Science Technology Program in surveying sites, kill ratios for invasive plants, viability of native plants and other field surveys.
8. Making financial arrangements, purchasing coordination, accounting, grant reporting and record keeping for the overall project.
9. Project long range planning for future funding and alternative funding sources for grant match and new development.

**Project Site 12 Budget**

LINE #	TYPE OF EXPENSE	PARTICIPANTS	ITEM	UNIT PRICE		QUANTITY	FUNDED BY ORGANIZATION	FUNDED BY GRANT	TOTAL EXPENSE
1	Signage	Friends of Wolf Run Trustees	No Mow Zone Boundary Markers, Stickers and rolls	\$ 11.00	EA	100	\$ -	\$ 1,100.00	\$ 1,100.00
2	Signage	Friends of Wolf Run Trustees	Anti-Littering Educational Signage Graphics and installation	\$ 200.00	EA	4	\$ 400.00	\$ 400.00	\$ 800.00
3	Printing	Friends of Wolf Run Trustees	Publications related to Stream Buffer Restoration	\$ 1.40	EA	500	\$ 500.00	\$ 200.00	\$ 700.00
4	Internet information services	Friends of Wolf Run Trustees	Social Media and Web Site Operations	Variable	Per Campaign	1	\$ 300.00	\$ 256.00	\$ 556.00
5	Field Day	Friends of Wolf Run Trustees	Field Trip for Project Participant and Key Stewards	\$ 250.00	Per Event	2	\$ 500.00		\$ 500.00
6	Effectiveness Monitoring	Watershed Watch Volunteers/Friends of Wolf Run	Monitor 3 stations for nutrients, pathogens and field parameters	\$ 135.00	Per Visit Per Site	9	\$ 1,215.00	\$ 800.00	\$ 2,015.00
7	Project Management	Friends of Wolf Run Trustees	Grant Accounting, Purchasing, Financial Administration	\$ 14.00	HRLY	80	\$ 1,120.00	\$ -	\$ 1,120.00
8				<b>TOTAL PROJECT BUDGET:</b>			\$ 4,035.00	\$ 2,756.00	\$ 6,791.00
9				*COST SHARE % =			59.42%		
10							ORGANIZATION SHARE	GRANT SHARE	
11							59.4%	40.6%	