

ATTACHMENT A
to the **GRANT AWARD AGREEMENT** between
Lexington-Fayette Urban County Government (LFUCG)
and **Waterford II Homeowners Association, Inc.**

GRANT PROGRAM **FY2019 Stormwater Quality Projects Incentive Grant Program**
Class A Neighborhood Project [FEASIBILITY ONLY Grant]

- Funded through the LFUCG Water Quality Management Fee
- Administered by the LFUCG Division of Water Quality in the Department of Environmental Quality

PROJECT TEAM AND CONTACT INFORMATION

Grantee Organization:

Waterford II Homeowners Association, Inc.
4080 Clearwater Way
Lexington, KY 40515
KY Organization #: 0305281



Project Site Location(s) & Property Owner(s):

Waterford II Homeowners Association, Inc.
4000 Clearwater Way
Lexington, KY 40515
Parcel #: 38081770

**Organization President
Primary Project Contact**

Dwayne Edwards
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Project Manager:

Dwayne Edwards
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Secondary Project Contact:

Terry Godbey
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Design Professionals:

GRW Engineers
801 Corporate Drive
Lexington, KY 40503
Mary Beth Robson
859-223-3999, ext. 249 (phone)
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PROJECT PLAN ELEMENTS

The goal of the Waterford II Homeowners Association Feasibility Study project is to analyze Best Management Practice (BMP) alternatives, and develop costs at the locations shown in Figures 1 – Feasibility Study Area, as well as to provide stormwater education to the community. The purpose is to improve the quality by mitigating issues of flooding and erosion surrounding Lake Fontaine.

Project Elements include:

1) EVALUATE THE APPLICABILITY OF THE FOLLOWING GENERAL STORMWATER BMPs AT VARIOUS LOCATIONS:

- a) **BMP Candidates:** Project to address stormwater quality issues through the development of best management practices (BMP). The project will identify, evaluate and compare options for future management of the Waterford Pond, to include an assessment of upstream sediment and nutrient sources.

The proposed study will be holistic, rather than site-specific, in the sense that the management options to be considered focuses not only on the pond, but will also extend to upstream mitigation measures (e.g., stream bank stabilization). The study will include

an ensemble of effective and feasible measures that can be implemented by a mobilized partnership of neighborhood associations, environmental action groups, and interested citizens of the southern Lexington-Fayette County area.

b) Stormwater Education: The project to also incorporate stormwater education through newsletters, social media, and well-publicized board meetings. These communications media will be used to disseminate information on the initiation of the project, its goals, and its potential benefits as well as to solicit volunteers for appropriate tasks (e.g., stream walks).

The same strategy will be employed to communicate both interim and final findings to residents, to suggest ways they can become involved and to better inform them on any Homeowner's Association investments that might be required. These communications will be ongoing throughout the project, and we estimate that they will reach 650 households. The HOA also has an ongoing relationship with the University of Kentucky Cooperative Extension Service, regularly hosting workshops on sustainable application and management of lawn fertilizers. We anticipate continuing this relationship and hosting two workshops per year, reaching an estimated 100 households over the project.

2) FINAL FEASIBILITY REPORT

The results of the Feasibility Study will be presented in a final report that will include:

- a) A list of BMP's that are determined to be effective and suitable for installation at the properties listed on Page 1 under "Project Site Locations and Property Owner(s). They will be prioritized for implementation according to input from project collaborators, at a minimum.
- b) A Stormwater BMP Master Plan of the Waterford II Homeowners Association, Inc. will show proposed BMP locations, the area draining to the BMP that will be treated, and its discharge location.
- c) Design and construction cost estimates.
- d) Special design and construction conditions such as necessary permit, etc.; and land acquisition costs.
- e) The estimated pollutant removal effectiveness of the BMP.
- f) Letter certifying all BMPs proposed for design is viable and feasible for the specific site and application.

3) EDUCATIONAL OPPORTUNITIES

The education components of the grant should at a minimum include the following:

- a) Through newsletters, social media, and well-publicized board meetings, communications on the initiation of the project, its goals, and its potential benefits as well as to solicit volunteers for appropriate tasks (e.g., stream walks).
- b) The same strategy will be employed to communicate both interim and final findings to residents, to suggest ways they can become involved and to better inform them on any Homeowner's Association investments that might be required. These communications will be ongoing throughout the project, and we estimate that they will reach 650 households. The HOA also has an ongoing relationship with the University of Kentucky Cooperative Extension Service, regularly hosting workshops on sustainable application and management of lawn fertilizers. We anticipate continuing this relationship and hosting two workshops per year, reaching an estimated 100 households over the project.

REPORTING REQUIREMENTS

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

- 1) Grantee shall be provided a minimum of two hard copies of the Final Feasibility Report along with digital copies of each.

ADDITIONAL GRANT STIPULATIONS

Note the following additional stipulations related to this project:

- Applicant shall provide the Division of Water Quality with both digital and hard copies of the Feasibility Report, to accompany Final Report documents.

EQUIPMENT

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

PERMANENT CAPITAL INFRASTRUCTURE

Does not apply to this grant. Attachment B is not required for this Agreement.

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 – PROJECT SCHEDULE

Activity	Anticipated Date(s)
Grant award agreement, notice to proceed	Jan 2019
Neighborhood Association Meeting to Discuss Study	February 2019
Project Planning	February – April, 2019
Neighborhood Meeting to recruit, train volunteers	June 2019
Stream Walks	July, August, September 2019
Action Plan Development	October 2019
Neighborhood Meeting to Discuss Action Items	November 2019
Final Study Report and LFUCG Report	January 2020

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 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 with the following exception:

- None

The Grant budget is broken into the following components:

Feasibility Phase:	\$ 16,132.00	Total Grant Amount
	\$ 4,072.00	Proposed Cost Share to be provided
	\$ 20,205.00	Total Project Budget

Additional detail is provided in Table 2.

TABLE 2 – PROJECT ELIGIBLE EXPENSES

Type of Expense	Participants	Item	Unit Price	Quantity	Funded by Organization	Funded by Grant	Total Expense
1 Project Element: Grant Management							
Grant Management	HOA Project Manager	Grant Administration including oversight, accounting and reporting	\$ 34.79 per hour	48.0	\$ 1,669.92	\$ -	\$ 1,669.92
3 Project Element: Feasibility Study							
Feasibility Study	GRW Engineers	Planning and writing	\$ 120.00 per hour	80.0	\$ -	\$ 9,600.00	\$ 9,600.00
5 Project Element: Stormwater Education							
Stream Walks	Volunteers	Identify problem areas	\$ 7.25 per hour	60.0	\$ 435.00	\$ -	\$ 435.00
Stream Walks	Eng. Tech	Identify problem areas	\$ 24.95 per hour	40.0	\$ 998.00	\$ -	\$ 998.00
Stream Walks	GRW Engineers	Identify problem areas	\$ 120.00 per hour	12.0	\$ -	\$ 1,440.00	\$ 1,440.00
Stream Walks	HOA Project Manager	Identify problem areas	\$ 34.79 per hour	12.0	\$ 417.48	\$ -	\$ 417.48
10 Project Element: Background Data							
Background Data	HOA/UK Bio. Eng.	Retrieving records, reports	\$ 23.00 per hour	24.0	\$ 552.00	\$ -	\$ 552.00
12 Project Element: Action Plan							
Action Plan	GRW Engineers	Identifying solutions	\$ 120.00 per hour	40.0	\$ -	\$ 4,800.00	\$ 4,800.00
Action Plan	EcoGro	Consultation	\$ 24.36 per hour	0.01	\$ 0.32	\$ -	\$ 0.32
Action Plan	EcoGro	Consultation	\$ 24.36 per hour	11.99	\$ -	\$ 292.00	\$ 292.00
					TOTAL PROJECT BUDGET:	\$4,072.40	\$16,132.00
			COST SHARE % =	20.2%	ORGANIZATION SHARE	GRANT SHARE	
			MUST BE > 20%	OK	20.2%	79.8%	

* Note: Organization share must be 20% of total project costs.

FIGURE 1 – FEASIBILITY STUDY AREA

