

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

GRANT PROGRAM: FY2012 Stormwater Quality Projects Incentive Grant Program
Class A (Neighborhood) Projects

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

PROJECT TEAM AND CONTACT INFORMATION

Organization: Andover Estates Homeowners Association, Inc.
P. O. Box 54451
Lexington, Kentucky 40555-4451

Organization President: D. J. Patton Jr.
(859) 264-7372; (859) 948-7573 (cell)
djpatton10@aol.com

Primary Project Contact and Project Manager: Alann Karow, Treasurer
543 Gingermill Lane
(859)-264-9919
akarow@insightbb.com

Secondary Project Contact: D. J. Patton Jr., President
859-264-7372; (859) 948-7573 (cell)
djpatton10@aol.com

Engineering Firm: Dave Uckotter, P.E.
CDP Engineers, Inc.
3250 Blazer Parkway
Lexington, KY 40509
(859) 264-7500
daveu@cdpengineers.com

Contractor/Supplier: Phil Fassler
Redi-Rock of Kentuckiana
850 Landis Lane
Mt. Washington, KY 40047
(502) 538-6829; (502) 428-9089 (cell)
kyredirock@ymail.com

PROJECT PLAN ELEMENTS

1) WATER QUALITY EDUCATIONAL PROGRAM:

The Organization will hold an education program for the residents. An engineer from CDP engineers will present a 1-hour presentation on the importance of water quality and its benefits to the property owners and community. This is especially pertinent as the Homeowners Association is adjacent to Jacobson Park Lake. Three points will be the focus:

- a. Sediment Control
- b. Pesticides
- c. Nutrients

The program will include a series of educational brochures to be provided to the residents.

In addition to this planned event, the residence at 543 Gingermill Lane, where the channel stabilization will be implemented, can be used as an example for the neighborhood on what

practices might be useful to mitigate other erosion problems that are occurring downstream from this site. There are several other locations of bank erosion within the subdivision drainage ways as well as in a large stream and greenway at the back of the residences along Burning Tree Lane. These houses are less than 1000 feet downstream from this project.

2) CHANNEL STABILIZATION DESIGN AND CONSTRUCTION:

This project element includes the design and construction to fix an existing eroding and collapsing riprap channel, eliminating channel instability and erosion at a private residence at 543 Gingermill Lane (PVA # 10051480), in the Andover Estates section of the Lochmere Subdivision. This channel receives runoff from a 36 acre watershed, and conveys it to a 36-inch diameter storm drain in the side yard of this property. A portion of this channel is at a 20% slope, and is unstable for over 25 feet.

This project includes construction of one or more grade control structures utilizing Redi-Rock blocks to allow the runoff to safely cascade down the steep slope before entering the storm drain. This will also prevent head-cutting of the stream upstream of this area. The slope restoration will also allow the roots of a 300 year old oak tree, which have been exposed due to erosion, to be covered and protected.

REPORTING REQUIREMENTS

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

PERMANENT FACILITIES/INFRASTRUCTURE

Permanent Capital Infrastructure: This grant does not include “Permanent Capital Infrastructure” as defined in the Grant Award Agreement. Attachments B and C are not required for this Agreement.

Ownership: The project improvements shall become the property of the property owner of 543 Gingermill Lane.

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.

MAINTENANCE AGREEMENT

The Organization and property owner agree to maintain the improvements that are constructed with Water Quality Management Fee grant monies as long as they exist and in good working order. Good working order in this case is defined to mean a structurally stable channel, and effective ground cover that prevents erosion and sediment transport off site or into the storm drainage pipe. Any necessary repairs to maintain the system in good working order shall be the shared responsibility of the property owner and the Organization and not LFUCG.

PRIVATE PROPERTY ACCESS

It is expected that all improvements will be placed on the property at 543 Gingermill Lane. The Organization is responsible for obtaining authorization from any other affected property owner(s) allowing access for activities covered by this grant. No permanent feature may be placed upon a property not owned by the Organization without prior signed authorization from the owner. Authorization has been provided by the owner of 543 Gingermill Lane as part of the grant application process.

ADDITIONAL GRANT STIPULATIONS

- As this project includes grading or work within a stream or drainage channel, the Organization is required to submit an application to the Kentucky Division of Water for a “Permit to Construct Across or Along a Stream and/or Water Quality Certification” and obtain any approvals needed prior to start of any disturbance.

- As the project includes movement of soil and/or land disturbance, the Organization understands that it is responsible to ensure its contractor does not discharge any sediment into surface waters of Fayette County, or the street or curb line, storm drainage inlet or pipe. Erosion control methods shall be utilized. In addition, bare soil shall be covered at the end of each work day and prior to rain events to prevent the risk of erosion.
- The Organization understands that any work with a street right-of-way or any utility easement (public or private) shall require approvals and/or encroachment agreements from the effected parties, and these must be obtained prior to start of work.

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)
Approval Grant Award Agreement and Notice to Proceed (NTP)	NTP (November 2011)
Meeting with all Project Participants	Within one month of NTP, and monthly thereafter
Advertise for Educational Program	First AEHA Meeting after Project Meeting
Hold Educational Program	Within the first quarter after Project Meeting
Engineering Design	February – April 2012
Apply for Stream Permit	April 2012
Construction	June – September 2012
Provide Final Project Report to LFUCG	30 Days after Project Completion

PROJECT BUDGET – GRANT ELIGIBLE EXPENSES & ORGANIZATION MATCH

Table 2. Lists the Eligible Expenses for this project. Table 3. provides more detail on the design consultant services. Only properly invoiced items shall be reimbursed with grant monies or counted toward the Organization’s match.

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

TABLE 2. ELIGIBLE EXPENSES

BUDGET TABLE ANDOVER ESTATES HOMEOWNER ASSOCIATION, INC								
Type of Expense	Participants	Item	Unit Price		Quantity	* Funded by Organization	Funded by Grant	Total Expense
Project Element: Water Quality Educational Program								
Volunteer Hours	ABHA Board and 37 Homeowners	Volunteer attendance at the Educational Meeting	\$ 7.25	per hour	20	\$ 145.00	\$ -	\$ 145.00
Materials	ABHA Board and 37 Homeowners	5 brochures at .50 each, (250 brochures in total)	\$ 0.50	per brochure	250	\$ -	\$ 125.00	\$ 125.00
Consulting Fees	CDP Engineers	Honorarium for 1 hour presentation	\$ 150.00	lump sum	1 hour	\$ 75.00	\$ 75.00	\$ 150.00
Project Element: Channel Stabilization Design and Construction								
Volunteer Hours	ABHA Board	Pre-construction Meeting. Ensure that contractor, home owner, and Association are in agreement	\$ 7.25	per hour	2	\$ 14.50	\$ -	\$ 14.50
Construction and Supplies	Redi-Rock	Materials, rental, and labor	\$ 7,840.50	lump sum	1	\$ 1,340.50	\$ 6,500.00	\$ 7,840.50
Consulting Fees	CDP Engineers, Inc.	Project development, design, inspection, and report prep	\$ 1,725.00	lump sum	1	\$ 425.00	\$ 1,300.00	\$ 1,725.00
TOTAL PROJECT BUDGET:						\$ 2,000.00	\$ 8,000.00	\$ 10,000.00
						ORGANIZATION SHARE 20.0%	GRANT SHARE 80.0%	

* Organization share at end of project must be \$2,000.00 or greater (i.e. 20% of total)

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TABLE 3. DESIGN CONSULTING FEE ESTIMATE

543 Gingermill Lane Stormwater Channel Stabilization Grant - Design Estimate (CDP Engineers)						
Site/Civil Related Services	Manhours					Cost
WORK ELEMENT	PROJECT MANAGER	PROJECT ENGINEER II	PROJECT LANDSCAPE ARCHITECT II	CADD TECHNICIAN	CLERICAL	
Project Administration						
project coordination	2				1	\$300
project administration total						\$300
Site Construction Documents						
site layout plan	0.5	4				\$483
details and notes	0.5	4				\$483
review mtgs w/LFUCG	2					\$250
Cost Estimates and Quantities	0.5	1.4				\$210
Site Construction Total						\$1,425
TOTALS	5.5	9.4	0	0	1	\$1,725
Rate	\$125	\$105	\$105	\$55	\$50	