

PART III

FORM OF PROPOSAL

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PART III

Invitation to Bid No. 145-2016

**Coldstream Park Stream Corridor Restoration and Preservation
Supplemental Environmental Project**

1. FORM OF PROPOSAL

Place: Lexington, Kentucky

Date: 10 November 2016

The following Form of Proposal shall be followed exactly in submitting a proposal for this Work.

This Proposal Submitted by EcoGro (a Div of Advanced Mulching Technologies, Inc)
PO Box 22273 Lexington, KY 40522
(Name and Address of Bidding Contractor)

(Hereinafter called "Bidder"), organized and existing under the laws of the State of Kentucky, doing business as EcoGro
Corporation "a corporation," "a partnership", or an "individual" as applicable.

To: Lexington-Fayette Urban County Government
(Hereinafter called "OWNER")
Office of the Director of Purchasing
200 East Main Street, 3rd Floor
Lexington, KY 40507

Gentlemen:

The Bidder, in compliance with your Invitation for Bids for Coldstream Park Stream Corridor Restoration and Preservation Supplemental Environmental Project, Lexington, KY, having examined the Plans and Specifications with related documents, having examined the site for proposed Work, and being familiar with all of the conditions surrounding the construction of the proposed Project, including the availability of materials and labor, hereby proposes to furnish all labor, materials, and supplies, and to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the lump sum and/or unit prices stated hereinafter. These prices are to cover all expenses incurred in performing the Work required under the Contract Documents, of which this proposal is a part. The OWNER will issue work orders for work to be performed under this Contract.

BIDDER hereby agrees to commence work under this contract on a date to be specified in the Notice to Proceed and to fully complete the project within **four hundred and fifty (450) consecutive calendar days**. BIDDER further agrees to pay liquidated damages, the sum of \$1,000.00 per day for each consecutive calendar day thereafter.

The Bidder hereby acknowledges receipt of the following addenda:

Addendum No. 1 Date 26 Oct. 2016

Addendum No. 2 Date 27 Oct. 2016

Addendum No. 3 Date 1 Nov 2016

Addendum No. 4 Date 4 Nov 2016

Addendum No. Date

Addendum No. Date

Addendum No. Date

Addendum No. Date

Insert above the number and the date of any Addendum issued and received. If none has been issued and received, the word "NONE" should be inserted.



ADDENDUM #1

Bid Number: #145-2016

Date: October 26, 2016

Subject: Coldstream Supplemental Environmental Project

**Address inquiries to:
Brian Marcum
(859) 258-3320**

TO ALL PROSPECTIVE SUBMITTERS:

Please be advised of the following clarifications to the above referenced Bid:

Todd Slatin, Director
Division of Central Purchasing

All other terms and conditions of the Quote and specifications are unchanged.

This letter should be signed, attached to and become a part of your Quote.

COMPANY NAME: EcoGro (aDBA of Advanced Mulching Technologies Inc.)

ADDRESS: P.O. Box 22273 Lexington KY 40522

SIGNATURE OF BIDDER: [Handwritten Signature]





ADDENDUM #2

Bid Number: #145-2016

Date: October 27, 2016

Subject: Coldstream Supplemental Environmental Project

**Address inquiries to:
Brian Marcum
(859) 258-3320**

TO ALL PROSPECTIVE SUBMITTERS:

Attached are the pre-bid sign in sheets and the powerpoint presentation from the pre-bid meeting.

Todd Slatin, Director
Division of Central Purchasing

All other terms and conditions of the Quote and specifications are unchanged.

This letter should be signed, attached to and become a part of your Quote.

COMPANY NAME: EcoGro (A DBA of Advanced Mulching Technologies, Inc.)

ADDRESS: Po Box 22273 Lexington Ky 40522

SIGNATURE OF BIDDER:



MAYOR JIM GRAY



LEXINGTON

TODD SLATIN
DIRECTOR
CENTRAL PURCHASING

ADDENDUM #3

Bid Number: #145-2016

Date: November 1, 2016

Subject: Coldstream Supplemental Environmental Project

**Address inquiries to:
Brian Marcum
(859) 258-3320**

TO ALL PROSPECTIVE SUBMITTERS:

Attached are questions from the pre-bid meeting, site walk through or otherwise with answers.

Bio swale Grading & Layout drawing enlargement

Todd Slatin, Director
Division of Central Purchasing

All other terms and conditions of the Quote and specifications are unchanged.

This letter should be signed, attached to and become a part of your Quote.

COMPANY NAME: Eco Gro (* DBA of Advanced Mulching Technologies, Inc)

ADDRESS: Po Box 22273 Lexington, KY 40522

SIGNATURE OF BIDDER: [Handwritten Signature]





ADDENDUM #4

Bid Number: #145-2016

Date: November 4, 2016

Subject: Coldstream Supplemental Environmental Project

Address inquiries to:
Brian Marcum
(859) 258-3320

TO ALL PROSPECTIVE SUBMITTERS:

Please see attached questions with answers and attachments.

Todd Slatin, Director
Division of Central Purchasing

All other terms and conditions of the Quote and specifications are unchanged.

This letter should be signed, attached to and become a part of your Quote.

COMPANY NAME: EcoPro (a DBA of Advanced Mulching Technologies, Inc)

ADDRESS: PO Box 22273 Lexington KY 40522

SIGNATURE OF BIDDER: [Handwritten Signature]



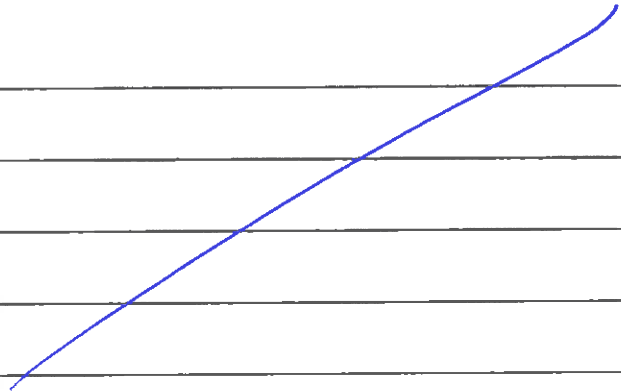
2. LEGAL STATUS OF BIDDER

Bidder EcoGro

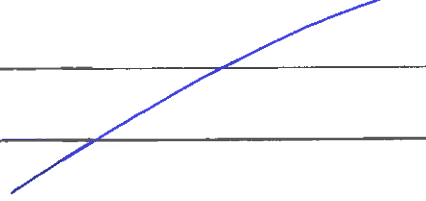
Date 10 November 2016

* 1. A corporation duly organized and doing business under the laws of the State of Kentucky, for whom Jim Hanssen, bearing the official title of President, whose signature is affixed to this Bid/Proposal, is duly authorized to execute contracts.

* 2. A Partnership, all of the members of which, with addresses are: (Designate general partners as such)



* 3. An individual, whose signature is affixed to this Bid/Proposal (please print name)

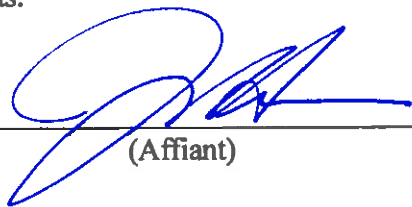


*(The Bidder shall fill out the appropriate form and strike out the other two.)

3. **BIDDERS AFFIDAVIT**

Comes the Affiant, Jim Hansen, and after being first duly sworn, states under penalty of perjury as follows:

1. His/her name is Jim Hansen and he/she is the individual submitting the bid or is the authorized representative of EcoGro, the entity submitting the bid (hereinafter referred to as "Bidder").
2. Bidder will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the bid is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.
3. Bidder will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.
4. Bidder has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.
5. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.
6. Bidder has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as the "Ethics Act."
7. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.
Further, Affiant sayeth naught.

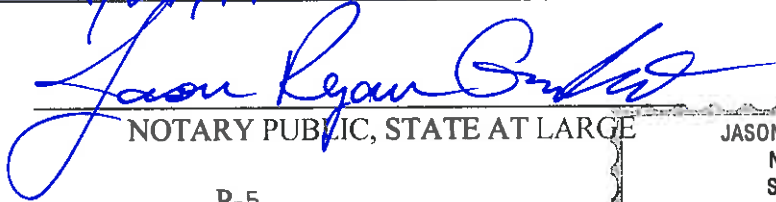


(Affiant)

STATE OF Kentucky
COUNTY OF Fayette

The foregoing instrument was subscribed, sworn to and acknowledged before me by Jim Hansen on this the 10 day of November, 2016.

My Commission expires: 01/27/19



NOTARY PUBLIC, STATE AT LARGE



4. BID SCHEDULE – SCHEDULE OF VALUES

The Bidder agrees to perform all the Work described in the Specifications and shown on the Plans for the following proposed lump sum and/or unit prices, if applicable, which shall include the furnishing of all labor, materials, supplies, equipment and/or vehicle usage, services, all items of cost, overhead, taxes (federal, state, local), and profit for the Contractor and any Subcontractor involved, within the time set forth herein. If unit prices are applicable, Bidder must make the extensions and additions showing the total amount of bid.

Form of proposal must include unit bid prices written in words and unit price written in numbers OR bid may be considered non-responsive. In case of price discrepancy, unit bid price written in words will prevail followed by unit price written in numbers.

If a lump sum total price is illegible or is omitted, the bid may be determined nonresponsive.

For a lump sum based bid, the item total is the bid amount the Division uses for bid comparison.

For a unit price based bid, the sum of the item totals is the bid amount the Division uses for bid comparison.

The LFUCG's decision on the bid amount is final.

The contract, if awarded, will be on the basis of materials and equipment specified in the specifications without consideration of possible substitute or "or equal" items.

The estimated quantities of items of unit price work are not guaranteed and are solely for the purpose of comparison of bids and determining an initial Contract price. Determination of the actual quantities and classification of unit price work performed by the Contractor will be made by the Engineer in accordance with the General Conditions.

Item No.	Description w/ Item Bid Price Written in Words	Estimated Quantity	Unit	Unit Price	Total Bid Amount
1.	Mobilization <u>twenty three thousand eight hundred dollars</u> Dollars/Cents	1	LS	\$ <u>23,800.⁰⁰</u>	\$ <u>23,800.⁰⁰</u>
	Lump Sum Price in Words				
2.	Demobilization <u>four thousand dollars</u> Dollars/Cents	1	LS	\$ <u>4,000.⁰⁰</u>	\$ <u>4,000.⁰⁰</u>
	Lump Sum Price in Words				
3.	Construction Staking <u>fourteen thousand dollars</u> Dollars/Cents	1	LS	\$ <u>14,000.⁰⁰</u>	\$ <u>14,000.⁰⁰</u>
	Lump Sum Price in Words				
4.	Clearing & Grubbing <u>twenty eight thousand four hundred ninety eight dollars and ninety six cents</u> Dollars/Cents	1	LS	\$ <u>28,498.⁹⁶</u>	\$ <u>28,498.⁹⁶</u>
	Lump Sum Price in Words				
5.	Bridge Demolition <u>Six thousand one hundred six dollars and ninety two cents</u> Dollars/Cents	1	LS	\$ <u>6,106.⁹²</u>	\$ <u>6,106.⁹²</u>
	Lump Sum Price in Words				
6.	Project Signage <u>two thousand dollars</u> Dollars/Cents	1	LS	\$ <u>1,200.⁰⁰</u>	\$ <u>1,200.⁰⁰</u>
	Lump Sum Price in Words				
7.	Sediment & Erosion Control <u>forty five thousand nine hundred forty four dollars and sixty one cents</u> Dollars/Cents	1	LS	\$ <u>45,924.⁶¹</u>	\$ <u>45,924.⁶¹</u>
	Lump Sum Price in Words				
8.	Pump-Around Flow Diversion <u>nine thousand six hundred dollars</u> Dollars/Cents	1	LS	\$ <u>9,600.⁰⁰</u>	\$ <u>9,600.⁰⁰</u>
	Lump Sum Price in Words				
9.	Earthwork (Unclassified) <u>one hundred seventy one thousand and and thirty two dollars and forty nine cents</u> Dollars/Cents	1	LS	\$ <u>171,032.⁴⁹</u>	\$ <u>171,032.⁴⁹</u>
	Lump Sum Price in Words				
10.	Stone <u>three hundred forty four thousand and fifteen dollars and fifty one cents</u> Dollars/Cents	1	LS	\$ <u>344,015.⁵¹</u>	\$ <u>344,015.⁵¹</u>
	Lump Sum Price in Words				
11.	Riparian Buffer Plantings <u>thirty six thousand and six hundred fifteen dollars and sixty cents</u> Dollars/Cents	1	LS	\$ <u>36,615.⁶⁰</u>	\$ <u>36,615.⁶⁰</u>
	Lump Sum Price in Words				

Item No.	Description w/ Item Bid Price Written in Words	Estimated Quantity	Unit	Unit Price	Total Bid Amount
12.	Site Restoration One hundred nine thousand nine hundred forty nine dollars and eighty five cents Dollars/Cents Lump Sum Price in Words	1	LS	\$ <u>109,949.⁸⁵</u>	\$ <u>109,949.⁸⁵</u>
13.	Wetlands #1 & #2, Bioswale Sixty one thousand three hundred thirty five dollars and sixty eight cents Dollars/Cents Lump Sum Price in Words	1	LS	\$ <u>61,335.⁶⁸</u>	\$ <u>61,335.⁶⁸</u>
14.	Concrete Pavement Restoration Three thousand seven hundred eighty Dollars/Cents Lump Sum Price in Words	1	LS	\$ <u>3,780.⁰⁰</u>	\$ <u>3,780.⁰⁰</u>
15.	Asphalt Pavement Restoration Three thousand one hundred fifty dollars Dollars/Cents Lump Sum Price in Words	1	LS	\$ <u>3,150</u>	\$ <u>3,150</u>
16.	Allowance: Miscellaneous Site Improvements Fifty thousand dollars and no cents Lump Sum Price in Words	1	LS	\$ <u>50,000.00</u>	\$ <u>50,000.00</u>
	Base Bid for Construction of the Coldstream Park Stream Corridor Restoration and Preservation SEP per the Contract Documents for Bid Items Nos. 1 to 16				\$ <u>913,009.⁶²</u>

TOTAL OF ALL BID PRICES FOR Coldstream Park Stream Corridor Restoration and Preservation Supplemental Environmental Project (Items 1 through 16) in words and figures. In case of discrepancy, the amount shown in words will govern.

Nine hundred thirteen thousand nine dollars and sixty two cents
(\$ 913,009.⁶²).

A.	Additive Alternate 1 – Wetland #3 forty four thousand ^{dollars} and ^{no cents} Dollars/Cents Lump Sum Price in Words	1	LS	\$ <u>44,000.⁰⁰</u>	\$ <u>44,000.⁰⁰</u>
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The amount to be added for Additive Alternate 1 – Wetland #3, the total price of Bid Item A in words and figures, is:

forty four thousand dollars no cents
(\$ 44,000.⁰⁰).

In case of discrepancy, the amount shown in words will govern.

Submitted by:

EcoGro

Firm

Po Box 22273

Address

Lexington, KY. 40522

City, State & Zip

**Bid must be signed:
(original signature)**



President

Signature of Authorized Company Representative – Title

Jim Haassen

Representative/s Name (Typed or Printed)

(859) 231 0500

Area Code – Phone – Extension

(866) 348 0528

Fax #

Jim @ ecogro.net

E-Mail Address

OFFICIAL ADDRESS:

EcoGro

Po Box 22273

Lexington, KY 40522

(Seal if Bid is by Corporation)

By signing this form you agree to ALL terms, conditions, and associated forms in this bid package

5. STATEMENT OF BIDDER'S QUALIFICATIONS

The following statement of the Bidder's qualifications is required to be filled in, executed, and submitted with the Proposal:

- 1. Name of Bidder: Eco Gro
- 2. Permanent Place of Business: 700 Donley St. Lexington Ky 40505
- 3. When Organized: May 2001
- 4. Where Incorporated: Kentucky

5. Construction Plant and Equipment Available for this Project:

- Komatsu PC 1160 w/ Hydraulic thumb
- Terex TA 27 6x6 offroad dumptruck
- Bobcat(s) T300 & 873
- Ford F700 1/2 flatbed truck • Ford F700 single axle dumptruck
- (2) 40' storage containers w/ Kubota RTV, pumps, tools, etc.

(Attach Separate Sheet If Necessary)

6. Financial Condition:

If specifically requested by the OWNER, the apparent low Bidder is required to submit its latest three (3) years audited financial statements to the OWNER'S Division of Central Purchasing within seven (7) calendar days following the bid opening.

7. In the event the Contract is awarded to the undersigned, surety bonds will be furnished by:

GRANITE RE, INC. (Surety)

Signed: G. Randall Deskins (Representative of Surety)
G. RANDALL DESKINS

8. The following is a list of similar projects performed by the Bidder: (Attach separate sheet if necessary).

<u>NAME</u>	<u>LOCATION</u>	<u>CONTRACT SUM</u>
Cove Spring Park Stream Restoration	Frankfort, Ky.	1,088,994.50
Hatchery Creek Stream Restoration	JAMESTOWN, KY	1,807,228. ⁸⁹
Town Branch Stream Restoration	Winchester, KY.	1,200,000. ⁰⁰
Montessori Middle School Stream	Stone Rd. Lexington, KY.	396,896. ³⁶
Clays Mill / Springs Branch	Clays Mill Rd. Lexington, KY.	370,800. ⁰⁰

2D Modeling
By Dr. Art Parola

9. The Bidder has now under contract and bonded the following projects:

<u>NAME</u>	<u>LOCATION</u>	<u>CONTRACT SUM</u>
Hatchery Creek Stream Restoration	JAMESTOWN, KY.	1,807,228. ⁸⁹

10. List Key Bidder Personnel who will work on this Project.

<u>NAME</u>	<u>POSITION DESCRIPTION</u>	<u>NO. OF YEARS WITH BIDDER</u>
Eve Deans	Project Manager	8
Brad Redmon	Superintendent	5
Russ Turpin	Environmental Specialist	9
Tom Cutter	Operator	8
Chad Relinski	Operator	2

11. DBE Participation on current bonded projects under contract:

<u>SUBCONTRACTORS</u> <u>(LIST)</u>	<u>PROJECT</u> <u>(SPECIFIC TYPE)</u>	<u>DBE</u>	<u>% of WORK</u>
NONE			

(USE ADDITIONAL SHEETS IF NECESSARY)

12. We acknowledge that, if we are the apparent low Bidder, we may be required to submit to the OWNER within 7 calendar days following the Bid Opening, a sworn statement regarding all current work on hand and under contract, and a statement on the OWNER'S form of the experience of our officers, office management and field management personnel. Additionally, if requested by the OWNER, we will within 7 days following the request submit audited financial statements and loss history for insurance claims for the 3 most recent years (or a lesser period stipulated by the OWNER).
13. We acknowledge that, if we are the apparent low Bidder, we may be required to submit to the ENGINEER a demonstration of qualifications pertaining to stream and/or wetland construction projects based upon Natural Channel Design principles.

6. LIST OF PROPOSED SUBCONTRACTORS

The following list of proposed subcontractors is required by the OWNER to be executed, completed and submitted with the BIDDER'S FORM OF PROPOSAL. All subcontractors are subject to approval of the Lexington-Fayette Urban County Government. Failure to submit this list completely filled out may be cause for rejection of bid.

<u>BRANCH OF WORK - LIST EACH MAJOR ITEM</u> Such as: Grading, bituminous paving, concrete, seeding and protection, construction staking, etc.	<u>SUBCONTRACTOR</u>	<u>DBE</u> <u>Yes/No</u>	<u>% of Work</u>
1. <u>Asphalt paving</u>	Name: <u>G + G Paving</u>	<u>Yes</u>	<u>.003</u>
	Address: <u>3136 Bracktown Rd Lexington, KY 40511</u>		
2. <u>Survey / Stakeout Integrated Engineering PLLC</u>	Name: <u>Integrated Engineering PLLC</u>	<u>Yes</u>	<u>21%</u>
	Address: <u>106 Poplarwood Place Ste 200 Lexington, KY 40509</u>		
3. _____	Name: _____	_____	_____
	Address: _____		
4. _____	Name: _____	_____	_____
	Address: _____		
5. _____	Name: _____	_____	_____
	Address: _____		
6. _____	Name: _____	_____	_____
	Address: _____		
7. _____	Name: _____	_____	_____
	Address: _____		

(Attach additional sheet(s) if necessary.)

7. **LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT MWDBE PARTICIPATION GOALS, FORMS, AND GOOD FAITH EFFORTS**

A. GENERAL

- 1) The LFUCG requests all potential contractors to make a concerted effort to include Minority-Owned (MBE), Woman-Owned (WBE), Disadvantaged (DBE) Business Enterprises and Veteran-Owned Small Businesses as subcontractors or suppliers in their bids.
- 2) Toward that end, the LFUCG has established 10% of total procurement costs as a Goal for participation of Minority-Owned, Woman-Owned and Disadvantaged Businesses on this contract.
- 3) The LFUCG has also established a 3% of total procurement costs as a Goal for participation of Veteran-Owned Small Businesses.
- 4) **It is therefore a request of each Bidder to include in its bid, the same goal (10%) for MWDBE participation, the same goal (3%) veteran participation and other requirements as outlined in this section.**

B. PROCEDURES

- 1) The successful bidder will be required to report to the LFUCG, the dollar amounts of all payments submitted to Minority-Owned, Veteran-Owned and Woman-Owned subcontractors and suppliers for work done or materials purchased for this contract. (See Subcontractor Monthly Payment Report)
- 2) Replacement of a Minority-Owned, Veteran-Owned or Woman-Owned subcontractor or supplier listed in the original submittal must be requested in writing and must be accompanied by documentation of Good Faith Efforts to replace the subcontractor / supplier with another MWDBE Firm; this is subject to approval by the LFUCG. (See LFUCG MWDBE Substitution Form)
- 3) For assistance in identifying qualified, certified businesses to solicit for potential contracting opportunities, bidders may contact:
 - a) The Lexington-Fayette Urban County Government, Division of Central Purchasing (859-258-3320)
- 4) The LFUCG will make every effort to notify interested MWDBE and veteran subcontractors and suppliers of each Bid Package, including information on the scope of work, the pre-bid meeting time and location, the bid date, and all other pertinent information regarding the project.

C. DEFINITIONS

- 1) A Minority-Owned Business Enterprise (MBE) is defined as a business which is certified as being at least 51% owned and operated by persons of African American, Hispanic, Asian, Pacific Islander, American Indian or Alaskan Native Heritage.
- 2) A Woman-Owned Business Enterprise (WBE) is defined as a business which is certified as being at least 51% owned and operated by one or more Non-Minority Females.
- 3) A Disadvantaged Business (DBE) is defined as a business which is certified as being at least 51% owned and operated by a person(s) that are economically and socially disadvantaged.
- 4) A Veteran-Owned Small Business is defined as a business which is certified as being at least 51% owned and operated by a veteran and/or a service disabled veteran.
- 5) Good Faith Efforts are efforts that, given all relevant circumstances, a bidder or proposer actively and aggressively seeking to meet the goals, can reasonably be expected to make. In evaluating good faith efforts made toward achieving the goals, whether the bidder or proposer has performed the efforts outlined in the Obligations of Bidder for Good Faith Efforts outlined in this document will be considered, along with any other relevant factors.

D. OBLIGATION OF BIDDER FOR GOOD FAITH EFFORTS

- 1) **The bidder shall make a Good Faith Effort to achieve the Participation Goal for MWDBE and Veteran subcontractors/suppliers. The failure to meet the goal shall not necessarily be cause for disqualification of the bidder; however, bidders not meeting the goal are required to furnish with their bids written documentation of their Good Faith Efforts to do so.**
- 2) Award of Contract shall be conditioned upon satisfaction of the requirements set forth herein.
- 3) The Form of Proposal includes a section entitled "MWDBE Participation Form". The applicable information must be completed and submitted as outlined below.
- 4) **Failure to submit this information as requested may be cause for rejection of bid.**

E. DOCUMENTATION REQUIRED FOR GOOD FAITH EFFORTS

- 1) Bidders reaching the Goal are required to submit only the "MWDBE Participation Form." The form must be fully completed including names and telephone number of participating MWDBE firm(s); type of work to be performed; estimated value of the contract and value expressed as a percentage of the total Lump Sum Bid Price. The form must be signed and dated, and is to be submitted with the bid.

- 2) Bidders not reaching the Goal must submit the “MWDBE Participation Form,” the “Quote Summary Form,” and a written statement documenting their Good Faith Effort to do so. If bid includes no MWDBE and/or Veteran participation, bidder shall enter “None” on the subcontractor / supplier form. In addition, the bidder must submit written proof of their Good Faith Efforts to meet the Participation Goal:
- a. Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow MWDBE firms and Veteran-Owned businesses to participate.
 - b. Included documentation of advertising in the above publications with the bidders good faith efforts package.
 - c. Attended LFUCG Central Purchasing Economic Inclusion Outreach event.
 - d. Attended pre-bid meetings that were scheduled by LFUCG to inform MWDBEs and/or Veteran-Owned businesses of subcontracting opportunities.
 - e. Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and MWDBE firms and Veteran-Owned businesses.
 - f. Requested a list of MWDBE and/or Veteran subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).
 - g. Contacted organizations that work with MWDBE companies for assistance in finding certified MWBDE firms and Veteran-Owned businesses to work on this project. Those contacted and their responses should be a part of the bidder’s good faith efforts documentation.
 - h. Sent written notices, by certified mail, email or facsimile, to qualified, certified MWDBEs soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.
 - i. Followed up initial solicitations by contacting MWDBEs and Veteran-Owned Businesses to determine their level of interest.
 - j. Provided the interested MWBDE firm and/or Veteran-Owned business with adequate and timely information about the plans, specifications, and requirements of the contract.
 - k. Selected portions of the work to be performed by MWDBE firms and/or Veteran-Owned businesses in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MWDBE and Veteran participation, even when the prime contractor may otherwise perform these work items with its own workforce.

l. Negotiated in good faith with interested MWDBE firms and Veteran-Owned businesses not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.

m. Included documentation of quotations received from interested MWDBE firms and Veteran-Owned businesses which were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.

n. Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a MWDBE and/or Veteran-Owned business's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy MWDBE and Veteran goals.

o. Made an effort to offer assistance to or refer interested MWDBE firms and Veteran-Owned businesses to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal.

p. Made efforts to expand the search for MWBE firms and Veteran-Owned businesses beyond the usual geographic boundaries.

q. Other--any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include MWDBE and Veteran participation.

Note: Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to review by the MBE Liaison. Documentation of Good Faith Efforts must be submitted with the Bid, if the participation Goal is not met.



MINORITY BUSINESS ENTERPRISE PROGRAM

Sherita Miller, MPA
Minority Business Enterprise Liaison
Division of Central Purchasing
Lexington-Fayette Urban County Government
200 East Main Street
Lexington, KY 40507
smiller@lexingtonky.gov
859-258-3323

OUR MISSION: The mission of the Minority Business Enterprise Program is to facilitate the full participation of minority and women owned businesses in the procurement process and to promote economic inclusion as a business imperative essential to the long term economic viability of Lexington-Fayette Urban County Government.

To that end the city council adopted and implemented resolution 167-91—Disadvantaged Business Enterprise (DBE) 10% Goal Plan in July of 1991. The resolution states in part (a full copy is available in Central Purchasing):

“A Resolution supporting adoption of the administrative plan for a ten percent (10%) Minimum goal for disadvantaged business enterprise participation in Lexington-Fayette Urban County Government construction and professional services contracts; Providing that as part of their bids on LFUCG construction contracts, general Contractors shall make a good faith effort to award at least ten percent (10%) of All subcontracts to disadvantaged business enterprises; providing that divisions of LFUCG shall make a good faith effort to award at least ten percent of their Professional services and other contracts to disadvantaged business enterprises...”

A Disadvantaged Business Enterprise is defined as a business that has been certified as being at least 51% owned, operated and managed by a U.S. Citizen of the following groups:

- African-American
- Hispanic-American
- Asian/Pacific Islander
- Native American/Native Alaskan
- Non-Minority Female
- Economically and Socially Disadvantaged

In addition, to that end the city council also adopted and implemented resolution 167-91—Veteran-owned Businesses, 3% Goal Plan in July of 2015. The resolution states in part (a full copy is available in Central Purchasing):

“A resolution adopting a three percent (3%) minimum goal for certified veteran-owned small businesses and service disabled veteran-owned businesses for certain of those Lexington-Fayette Urban County contracts related to construction for professional services, and authorizing the Division of Purchasing to adopt and implement guidelines and/or policies consistent with the provisions and intent of this resolution by no later than July 1, 2015.”

We have compiled the list below to help you locate certified MBE, WBE and DBE certified businesses. Below is a listing of contacts for LFUCG Certified MWDBEs and Veteran-Owned Small Businesses in (<https://lexingtonky.ionwave.net>)

Business	Contact	Email Address	Phone
LFUCG	Sherita Miller	smiller@lexingtonky.gov	859-258-3323
Commerce Lexington – Minority Business Development	Tyrone Tyra	ttyra@commercelexington.com	859-226-1625
Tri-State Minority Supplier Diversity Council	Susan Marston	smarston@tsmsdc.com	502-365-9762
Small Business Development Council	Shirie Hawkins UK SBDC	smack@uky.edu	859-257-7666
Community Ventures Corporation	Phyllis Alcorn	palcorn@cvky.org	859-231-0054
KY Transportation Cabinet (KYTC)	Melvin Byne	Melvin.bynes2@ky.gov	502-564-3601
KYTC Pre-Qualification	Shella Eagle	Shella.Eagle@ky.gov	502-782-4815
Ohio River Valley Women’s Business Council (WBENC)	Sheila Mixon	smixon@orvwbc.org	513-487-6537
Kentucky MWBE Certification Program	Yvette Smith, Kentucky Finance Cabinet	Yvette.Smith@ky.gov	502-564-8099
National Women Business Owner’s Council (NWBOC)	Janet Harris-Lange	janet@nwbc.org	800-675-5066
Small Business Administration	Robert Coffey	robertcoffey@sba.gov	502-582-5971
LaVoz de Kentucky	Andres Cruz	lavozdeky@yahoo.com	859-621-2106
The Key News Journal	Patrice Muhammad	paatricem@keynewsjournal.com	859-373-9428



LFUCG MWDBE PARTICIPATION FORM

Bid/RFP/Quote Reference # 145-2016

The MWDBE and/or Veteran subcontractors listed have agreed to participate on this Bid/RFP/Quote. If any substitution is made or the total value of the work is changed prior to or after the job is in progress, it is understood that those substitutions must be submitted to Central Purchasing for approval immediately. **Failure to submit a completed form may cause rejection of the bid.**

MWDBE Company, Name, Address, Phone, Email	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1. G & G Paving 3136 Bracktain Rd Lexington Ky 40511 (859) 255-6029	Asphalt Paving	3,000 ⁰⁰	< .5 %
2. Integrated Engineering PLLC 1166 Prosperous Place Sk 200 Lexington, KY 40509	Stakeout	7,000	< 1 %
3.			
4.			

The undersigned company representative submits the above list of MWDBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

Ecofire
Company

Jim Haussen
Company Representative

10 Nov 2016
Date

President
Title



LFUCG MWDBE SUBSTITUTION FORM

Bid/RFP/Quote Reference # 145-2016

The substituted MWDBE and/or Veteran subcontractors listed below have agreed to participate on this Bid/RFP/Quote. These substitutions were made prior to or after the job was in progress. These substitutions were made for reasons stated below and are now being submitted to Central Purchasing for approval. By the authorized signature of a representative of our company, we understand that this information will be entered into our file for this project.

SUBSTITUTED MWDBE Company Name, Address, Phone, Email	MWDBE Formally Contracted/ Name, Address, Phone, Email	Work to Be Performed	Reason for the Substitution	Total Dollar Value of the Work	% Value of Total Contract
1. <i>None</i>					
2.					
3.					
4.					

The undersigned acknowledges that any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and false claims.

E. Coffey
Company

10 Nov 2016
Date

Jim Henssen
Company Representative

President
Title



MWDBE QUOTE SUMMARY FORM

Bid/RFP/Quote Reference # 145-2016

The undersigned acknowledges that the minority and/or veteran subcontractors listed on this form did submit a quote to participate on this project. Failure to submit this form may cause rejection of the bid.

Company Name <u>EcoGro</u>	Contact Person <u>Jim Hansen</u>
Address/Phone/Email <u>Po Box 22273 Lexington, Ky 40522</u> <u>659 231 0500 Jim@ecogro.net</u>	Bid Package / Bid Date <u>#145-2016</u> <u>10 NOV 2016</u>

MWDBE Company Address	Contact Person	Contact Information (work phone, Email, cell)	Date Contacted	Services to be performed	Method of Communication (email, phone meeting, ad, event etc)	Total dollars \$ Do Not Leave Blank (Attach Documentation)	MBE * AA HA AS NA Female	Veteran
<u>B&G Laving</u> <u>3136 Drew Krown Rd.</u> <u>Lexington, Ky. 40511</u>	<u>Kevin</u>	<u>255-6029</u>	<u>10 November 2016</u>	<u>Asphalt pavement</u>	<u>phone</u>	<u>3,000.00</u>	<u>AA</u>	
<u>Cedar Valley Seeding</u> <u>851 Redmon Rd.</u> <u>Paris Ky 40361</u>	<u>Susan Richman</u>	<u>(859) 967-1497</u>	<u>3 Nov 2016</u>	<u>NONE</u> <u>landscap</u>	<u>Phone, email</u>	<u>NONE</u>	<u>Female</u>	
<u>Something Bloomin</u>	<u>Andy England</u>	<u>(859) 586-7568</u>	<u>3 Nov 2016</u>	<u>landscap</u>	<u>phone, email</u>	<u>NONE</u>	<u>Female</u>	
<u>Rolan Ka</u>	<u>Carlita Robinson</u>	<u>600 760-3215</u>	<u>7 Nov 2016</u>	<u>Cook Blanket</u>	<u>Email, phone</u>	<u>NONE</u>	<u>Female</u>	
<u>Integrated Engineering</u>	<u>Eddie Heister</u>	<u>(859) 368-0145</u>	<u>3 Nov 2016</u>	<u>Survey Stakeout</u>	<u>Email phone</u>	<u>7000.00</u>	<u>Female</u>	

(MBE designation / AA=African American / HA= Hispanic American/AS = Asian American/Pacific Islander/ NA= Native American)

The undersigned acknowledges that all information is accurate. Any misrepresentation may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

EcoGro
Company
10 Nov 2016
Date

Jim Hansen
Company Representative
President
Title



INTEGRATED ENGINEERING, PLLC

CIVIL ENGINEERING AND LAND SURVEYING

166 PROSPEROUS PLACE; SUITE 200, LEXINGTON, KY 40509,
P (859) 368-0145 F (859) 904-1538

PROPOSAL (LUMP SUM CONTRACT)

CLIENT INFORMATION		PROJECT INFORMATION	
NAME	Ridgewater, LLC	NAME	Coldstream Park Stream Corridor Restoration
CONTACT PERSON	Eric Dawalt	ADDRESS	Lexington, KY
ADDRESS		SURVEY REQUIREMENTS	
PHONE:	(859) 806 - 1089	DESIGNER	
EMAIL:	edwaltrw@gmail.com	ATTACHMENTS	
		PLAN DATE	Oct-16

PROJECT DESCRIPTION

The project involves the restoration of the Coldstream Park stream corridor.

TASK	DESCRIPTION	UNITS	RATE	AMOUNT
CONSTRUCTION STAKES	Set stake on both sides of bank at 50' intervals or at break in alignment.			
	Set stake at the stream centerline at all P.C.'s and P.T.'s.			
	Set grade stakes for the Wetlands # 1 and #2 along with the Bioswale.	80	\$135.00	\$ 10,800.00
CALCULATIONS	Office generation of grades and coordinates for field staking.	24	\$110.00	\$ 2,640.00

SUBTOTAL FOR SURVEY EXPENSES \$ 13,440.00

EXCLUSIONS
1. Quote is for the initial construction stakeout only for each of the items. Additional construction stakeouts will be billed on an hourly basis in accordance with the rate schedule below.

MISCELLANEOUS EXPENSES			
Mileage Rate (current IRS Rates)		\$ 0.54	
Mileage to the Project Site and back to the office	20		
Travel Time to the Project Site & Setup and back to the office	0.5	\$ 50.00	
Number of Estimated Site Visits (any additional site visits will be billed at the hourly rate + mileage)	10		
TRAVEL EXPENSES TOTAL			\$ 358.00

TOTAL PROJECT COST \$ 13,798.00

RATE SCHEDULE	
Professional Land Surveyor	\$ 110.00
1-man-robotic crew	\$ 135.00
CAD Technician / Draftsperson	\$ 90.00
Professional Engineer	\$ 130.00

Integrated Engineering, PLLC appreciates the opportunity to submit a proposal for this project. We will inform the client if and/or when additional budget items are anticipated. Any extra work not outlined above will be billed on an hourly basis at the following rates above. Please refer to the attached TERMS & CONDITIONS page. If you are in agreement, you may authorize our services by signing the attached contract.

Somethin' Bloomin'

Cindy England
 DBE, WBENC, SBE
 Pre-Qualified
 B.S. Horticulture

859-536-7568

Bid
 Coldstream Park
 C-9 and C-11
 \$58,000

Landscape Install

- 802 Bare Root Tree's 3'-4' *\$17.00*
- 3541 Bare Root Shrubs 2'-3' *\$6.25*
- 146 Vines 3' Container *\$6.00*
- 264 Plugs *\$4.00*
- 20 LB Native Seed Mix with Straw *\$48.00*
- 20 LB Erosion Seed Mix with Straw *\$36.00*

Wetland 1 and 2

- 4 B&B Tree' *\$500*
- 4 Bare Root Shrubs *\$17.00*
- 22 Bare Root Tree's *\$6.25*

Woven Erosion Mat
 \$3.00 SY

8oz Geo Textile Fabric
 \$1.30 SY

Erosion Control Straw Mat
 \$1.50 SY

Temp Seed & Straw
 \$1.20 SY

Silt Fence
 \$4.00 SY

Wetland Alt 1.2 and 1.3

\$13,000

- 11 2.5" Trees *\$500*
- 19 Bare Root Tree's *\$17.00*
- 100 Bare Root Shrubs *\$6.25*
- 100 Plugs *\$4.00*
- 13 LB Native Seed *\$48.00*
- 13 LB Erosion Seed *\$36.00*
- Straw

Seeds tax included

Cedar Valley Seeding, Inc.

851 Redmon Road
Paris, KY 40361
Office (859) 987-1497, Cell (859) 749-8006
cvseeding@outlook.com

CERTIFIED DBE FIRM – KY TRANSPORTATION CABINET

QUOTE

November 9, 2016

**Re: Coldstream Park Stream Renovation
Lexington, KY**

I am pleased to provide the following quote for the above named project:

<u>Description</u>	<u>Unit Price</u>	<u>Unit of Measure</u>
Silt Fence (KDOT - 6' o.c.)(material & installation only)	2.95	LF
Silt Fence (wire backed)(material & installation only)	4.55	LF
Tree Protection Fencing/Construction Fence	4.95	LF
Temporary Mulch	0.50	SY
Temporary Seed & Mulch	0.55	SY
Permanent Seed & Mulch (KDOT/Lawn seed mix)	0.65	SY
Erosion Control Blanket (KDOT - straw)	1.60	SY
Erosion Control Blanket (Excelsior)	1.85	SY
Turf Reinforcement Mat (KDOT - Type 1)	7.95	SY
Excelsior Wattles (12")	9.60	LF
Coir Fiber Logs (10")	11.80	LF
Erosion Control Blanket (woven coir fiber matting)	5.75	SY
Bare Root Trees and Shrubs	15.00	EA
Wetland Plugs	7.50	EA
Native Seeding - Zones 1, 2 and 3	3.75	SY
Erosion Seed Mix - Zones 1, 2 and 3	1.85	SY
<u>Alternate #1 - Wetland #3</u>		
Bare Root Trees and Shrubs	15.00	EA
Wetland Plugs	7.50	EA
Native Seeding	3.75	SY
Erosion Seed Mix	1.85	SY

These prices include all labor, materials and equipment necessary to complete the project according to specifications. Payment and performance bonds can be provided, additionally, at 1.5%.

Feel free to call if you have any questions or require further information. Thank you for your consideration of Cedar Valley Seeding, Inc.

Sincerely,

Susan D. Redmon
President

Jim Hanssen EcoGro

From: Callista Rohini Santha [rohini@rolanka.com]
Sent: Monday, November 07, 2016 10:39 AM
To: jim@ecogro.net
Cc: 'RoLanka International, Inc.'
Subject: RE: New Quote requested from RoLanka Web Site

Hi Jim;

Thank you for your inquiry.

Prices:
BioD-Mat 40-2m (6.5'x166') – \$ 156.00 each
BioD-Mat 70-2m (6.5'x166') – \$ 240.00 each

Let us know when you are going to need these materials as we are selling everything coming every week.

Thank you.

Callista santha
RoLanka
1-800-760-3215

From: rolanka@rolanka.com [mailto:rolanka@rolanka.com]
Sent: Monday, November 7, 2016 9:24 AM
To: online@rolanka.com; srivantha@hotmail.com
Subject: New Quote requested from RoLanka Web Site

This email was sent from the Price Quote page at www.rolanka.com
Name : Jim Hanssen
Company : EcoGro
Address : po box 22273

City : lexington
State : ky
Zip : 40522

Tel : 8592310500

Fax : 8663480528

Email : jim@ecogro.net

Product1 : 400 gm / m 2 coir

Size1 : 2 M x 50 M

Quantity1 : 50 rolls

Product2 : 700 gm/m2 coir

Size2 : 2M x 50 M

Quantity2 : 50 rolls

Product3 :

Size3 :

Quantity3 :

Product4 :

Size4 :

Quantity4 :

Contact Method : Fax

Message : Please quote the blanket above for a job in Lexington. thanks Jim



LFUCG SUBCONTRACTOR MONTHLY PAYMENT REPORT

The LFUCG has a 10% goal plan adopted by city council to increase the participation of minority and women owned businesses in the procurement process. The LFUCG also has a 3% goal plan adopted by cited council to increase the participation of veteran owned businesses in the procurement process. In order to measure that goal LFUCG will track spending with MWDBE vendors on a monthly basis. By the signature below of an authorized company representative, you certify that the information is correct, and that each of the representations set forth below is true. Any misrepresentation may result in termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims. Please submit this form monthly to the Division of Central Purchasing/ 200 East Main Street / Room 338 / Lexington, KY 40507.

Bid/RFP/Quote # 745-2016
 Total Contract Amount Awarded to Prime Contractor for this Project _____

Project Name/ Contract #	Work Period/ From: _____ To: _____
Company Name:	Address:
Federal Tax ID:	Contact Person:

Subcontractor Vendor ID (name, address, phone, email)	Description of Work	Total Subcontract Amount	% of Total Contract Awarded to Prime for this Project	Total Amount Paid for this Period	Purchase Order number for subcontractor work (please attach PO)	Scheduled Project Start Date	Scheduled Project End Date

By the signature below of an authorized company representative, you certify that the information is correct, and that each of the representations set forth below is true. Any misrepresentations may result in the termination of the contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims.

Evo Bio

 Company
10 Nov 2016

 Date

Jim Haussen

 Company Representative
President

 Title

LFUCG STATEMENT OF GOOD FAITH EFFORTS

Bid/RFP/Quote # 145-2016

By the signature below of an authorized company representative, we certify that we have utilized the following Good Faith Efforts to obtain the maximum participation by MWDBE and Veteran-Owned business enterprises on the project and can supply the appropriate documentation.

_____ Advertised opportunities to participate in the contract in at least two (2) publications of general circulation media; trade and professional association publications; small and minority business or trade publications; and publications or trades targeting minority, women and disadvantaged businesses not less than fifteen (15) days prior to the deadline for submission of bids to allow MWDBE firms and Veteran-Owned businesses to participate.

_____ Included documentation of advertising in the above publications with the bidders good faith efforts package.

_____ Attended LFUCG Central Purchasing Economic Inclusion Outreach event.

_____ Attended pre-bid meetings that were scheduled by LFUCG to inform MWDBEs and/or Veteran-Owned Businesses of subcontracting opportunities.

_____ Sponsored Economic Inclusion event to provide networking opportunities for prime contractors and MWDBE firms and Veteran-Owned businesses.

Requested a list of MWDBE and/or Veteran subcontractors or suppliers from LFUCG and showed evidence of contacting the companies on the list(s).

_____ Contacted organizations that work with MWDBE companies for assistance in finding certified MWBDE firms and Veteran-Owned businesses to work on this project. Those contacted and their responses should be a part of the bidder's good faith efforts documentation.

Sent written notices, by certified mail, email or facsimile, to qualified, certified MWDBEs soliciting their participation in the contract not less than seven (7) days prior to the deadline for submission of bids to allow them to participate effectively.

Followed up initial solicitations by contacting MWDBEs and Veteran-Owned businesses to determine their level of interest.

Provided the interested MWBDE firm and/or Veteran-Owned business with adequate and timely information about the plans, specifications, and requirements of the contract.

_____ Selected portions of the work to be performed by MWDBE firms and/or Veteran-Owned businesses in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MWDBE and Veteran

participation, even when the prime contractor may otherwise perform these work items with its own workforce.

_____ Negotiated in good faith with interested MWDBE firms and Veteran-Owned businesses not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached.

Included documentation of quotations received from interested MWDBE firms and Veteran-Owned businesses which were not used due to uncompetitive pricing or were rejected as unacceptable and/or copies of responses from firms indicating that they would not be submitting a bid.

_____ Bidder has to submit sound reasons why the quotations were considered unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a MWDBE and/or Veteran-Owned business's quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy MWDBE and Veteran goals.

_____ Made an effort to offer assistance to or refer interested MWDBE firms and Veteran-Owned businesses to obtain the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal.

_____ Made efforts to expand the search for MWBE firms and Veteran-Owned businesses beyond the usual geographic boundaries.

_____ Other--any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include MWDBE and Veteran participation.

NOTE: Failure to submit any of the documentation requested in this section may be cause for rejection of bid. Bidders may include any other documentation deemed relevant to this requirement which is subject to approval by the MBE Liaison. Documentation of Good Faith Efforts must be submitted with the Bid, if the participation Goal is not met.

The undersigned acknowledges that all information is accurate. Any misrepresentations may result in termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and claims.

Eco Gro

Company
10 Nov. 2016

Date

Jim Hansen

Company Representative
President

Title


8. AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND CONFLICT OF INTEREST

I hereby swear (or affirm) under the penalty for false swearing:

1. That I am the Bidder (if the Bidder is an individual), a partner of the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
2. That the attached bid has been arrived at by the Bidder independently, and has been submitted without collusion with, and without any agreement, understanding or planned common course of action, with any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition;
3. That the contents of the bid or bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished, with the bid or bids, and will not be communicated to any such person, prior to the official opening of the bid or bids;
4. That the Bidder is legally entitled to enter into the contracts with the Lexington-Fayette Urban County Government, and is not in violation of any prohibited conflict of interest;
5. (Applicable to corporation only) That as a foreign corporation, we are registered with the Secretary of State, Commonwealth of Kentucky, and authorized to do business in the State _____ or, that as a domestic corporation, we are in good standing with the Secretary of State, Commonwealth of Kentucky KY. Check the statement applicable.
6. This offer is for 90 calendar days from the date this bid is opened. In submitting the above, it is expressly agreed that, upon proper acceptance by the Lexington-Fayette Urban County Government of any or all items bid above, a contract shall thereby be created with respect to the items accepted.
7. That I have fully informed myself regarding the accuracy of the statements made in this statement.
8. That I certify that Subcontractors have not and will not be awarded to any firm(s) that have been debarred from noncompliance with the Federal Labor Standards, Title VI of the Civil Rights Act of 1964 As Amended, Executive Order 11246 As Amended or any other Federal Law.

Eco Gro
Company

10 Nov 2016
Date


Representative

9. STATEMENT OF EXPERIENCE

NAME OF INDIVIDUAL: Eric Dawalt PE

POSITION/TITLE: Project Manager

STATEMENT OF EXPERIENCE: _____

see SOQ attached

NAME OF INDIVIDUAL: Jim Hansen

POSITION/TITLE: President

STATEMENT OF EXPERIENCE: _____

✓

NAME OF INDIVIDUAL: Brad Pedman

POSITION/TITLE: Superintendent

STATEMENT OF EXPERIENCE: _____

NAME OF INDIVIDUAL: Russ Tarpin

POSITION/TITLE: Environmental Specialist

STATEMENT OF EXPERIENCE: _____

_____ see SOQ Attached _____

NAME OF INDIVIDUAL: Tom Cutter

POSITION/TITLE: Operator

STATEMENT OF EXPERIENCE: _____

NAME OF INDIVIDUAL: Chad Palinski

POSITION/TITLE: Operator

STATEMENT OF EXPERIENCE: _____

* Include all officers, office managements, Affirmative Action officials, and field management personnel. (Attach separate sheets if necessary.)

10. EQUAL OPPORTUNITY AGREEMENT

The Law


- * Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- * Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and subcontractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- * Section 503 of the Rehabilitation Act of 1973 States:
The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.
- * Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal Contracts.
- * Section 206 (A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:
The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors, and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractor may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped, and aged persons.



Signature

Eco Gro

Name of Business

The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, creed, national origin, sex or age, and to promote equal employment through a positive, continuing program from itself and each of its sub-contracting agents. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.

The Kentucky equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any count, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

During the performance of this contract, the contractor agrees as follows:

- (1) *The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age or national origin;*
- (2) *The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age or national origin;*
- (3) *The contract will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provisions of the non-discrimination clauses required by this section; and*
- (4) *The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers' representative of the contractor's commitments under the nondiscrimination clauses.*

The Act further provides:

KRS 45.610. Hiring minorities – Information required

- (1) *For the length of the contract, each contractor shall hire minorities from other sources within the drawing area, should the union with which he has collective bargaining agreements be unwilling to supply sufficient minorities to satisfy the agreed upon goals and timetable.*
- (2) *Each contractor shall, for the length of the contract, furnish such information as required by KRS 45.560 to KRS 45.640 and by such rules, regulations and orders issued pursuant thereto and will permit access to all books and records pertaining to his employment practices and work sites by the contracting agency and the department for purposes of investigation to ascertain compliance with KRS 45.560 to 45.640 and such rules, regulations and orders issued pursuant thereto.*

KRS 45.620. Action against contractor – Hiring of minority contractor or subcontractor

- (1) *If any contractor is found by the department to have engaged in an unlawful practice under this chapter during the course of performing under a contract or subcontract covered under KRS 45.560 to 45.640, the department shall so certify to the contracting agency and such certification shall be binding upon the contracting agency unless it is reversed in the course of judicial review.*
- (2) *If the contractor is found to have committed an unlawful practice under KRS 45.560 to 45.640, the contracting agency may cancel or terminate the contract, conditioned upon a program for future compliance approved by the contracting agency and the department. The contracting agency may declare such a contractor ineligible to bid on further contracts with that agency until such time as the contractor complies in full with the requirements of KRS 45.560 – 45.640.*
- (3) *The equal employment provisions of KRS 45.560 to 45.640 may be met in part by a contractor by subcontracting to a minority contractor or subcontractor. For the provisions of KRS 45.560 to 45.640, a minority contractor or subcontractor shall mean a business that is owned and controlled by one or more persons disadvantaged by racial or ethnic circumstances.*

KRS 45.630 Termination of existing employee not required, when

Any provision of KRS 45.560 to 45.640 notwithstanding, no contractor shall be required to terminate an existing employee upon proof that that employee was employed prior to the date of the contract.

KRS 45.640 Minimum skills

Nothing in KRS 45.560 to 45.640 shall require a contractor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job.

It is recommended that all of the provisions quoted above to be included as special conditions in each contract. In the case of a contract exceeding \$250,000, the contractor is required to furnish evidence that his work-force in Kentucky is representative of the available work-force in the area from which he draws employees, or to supply an Affirmative Action plan which will achieve such representation during the life of the contract.

11. **EQUAL EMPLOYMENT OPPORTUNITY AFFIRMATIVE ACTION POLICY**

It is the policy of Evo Gro (a dbA of Advanced Mulching Technologies, Inc)

to assure that all applicants for employment and all employees are treated on a fair and equitable basis without regard to their race, religion, sex, color, handicap, natural origin or age.

Such action shall include employment, promotion, demotion, recruitment or recruitment advertising, layoff or termination, rates of pay and other forms of compensation, and selection for training, whether apprenticeship and/or on-the-job-training.

Furthermore, this company agrees to make special recruitment efforts to hire the protected class whenever feasible. This company also agrees to adhere to all applicable federal, state, and local laws relating to Equal Employment Opportunity for all individuals.

12. WORKFORCE ANALYSIS FORM

Name of Organization: Ecobro

Categories	Total		White (Not Hispanic or Latino)		Hispanic or Latino		Black or African-American (Not Hispanic or Latino)		Native Hawaiian and Other Pacific Islander (Not Hispanic or Latino)		Asian (Not Hispanic or Latino)		American Indian or Alaskan Native (not Hispanic or Latino)		Two or more races (Not Hispanic or Latino)		Total		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Administrators	1																1		
Professionals	1																1		
Superintendents																			
Supervisors																			
Foremen	1																1		
Technicians	3																3		
Protective Service																			
Para-Professionals																			
Office/Clerical																			
Skilled Craft																			
Service/Maintenance																			
Total:	6																7		

Prepared by: Jim Hansen President Date: 10 / Nov / 2016

(Name and Title)

See attached certificate of Insurance listing LFLG as Additional Insured

13. EVIDENCE OF INSURABILITY

LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT CONSTRUCTION PROJECT
 (Use separate form for each Agency or Brokerage agreeing to provide coverage)

Names Insured: Ecotric (A Div of Advanced Mucking Technologies, Inc.) Employee ID: _____
 Address: Po Box 22273 Lexington Ky 40522 Phone: _____
 Project to be insured: Goldstream - # 145 #2016

In lieu of obtaining certificates of insurance at this time, the undersigned agrees to provide the above Named Insured with the minimum coverage listed below. These are outlined in the Insurance and Risk Management of Part V (Special Conditions), including all requirements, and conditions:

Section Items	Coverage	Minimum Limits and Policy Requirements	Limits Provided To Insured	Name of Insurer	A.M. Best's Code	Rating
SC, Section 5, see provisions	CGI	\$1,000,000 per occ., \$2,000,000 aggregate, combined single, \$1,000,000 per occ.	\$			
SC, Section 5, see provisions	AUTO	Combined single, \$1,000,000 per occ.	\$			
SC, Section 5, see provisions	WC	Statutory w/endorsement as noted	\$			
SC, Section 5, see provisions	Employer's Liability	\$500,000	\$			

Section 2 includes required provisions, statements regarding insurance requirements, and the undersigned agrees to abide by all provisions for the coverage's checked above unless stated otherwise when submitting.

Agency or Brokerage _____ Name of Authorized Representative _____
 Street Address _____ Title _____
 City _____ State _____ Zip _____ Authorized Signature _____
 Telephone Number _____ Date _____

NOTE: Authorized signatures may be the agent's if agent has placed insurance through an agency agreement with the insurer. If insurance is brokered, authorized signature must be that of authorized representative of insurer.
IMPORTANT: Contract may not be awarded if a completed and signed copy of this form for all coverage's listed above is not provided with the bid.

14. DEBARRED FIRMS

PROJECT NAME: Coldstream Park Stream Corridor Restoration and Preservation Supplemental Environmental Project

BID NUMBER: 145-2016

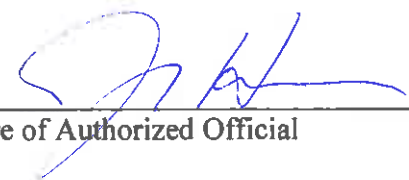
**LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
LEXINGTON, KY**

All prime Contractors shall certify that Subcontractors have not and will not be awarded to any firms that has been debarred for noncompliance with the Federal Labor Standards, Title VI of the Civil Rights Act of 1964 As Amended, Executive Order 11246 As Amended or any other Federal Law.

All bidders shall complete the attached certification in duplicate and submit both copies to the Owner with the bid proposal. The Owner (grantee) shall transmit one copy to the Lexington-Fayette Urban County Government, Division of Community Development, within fourteen (14) days after bid opening.

The undersigned hereby certifies that the firm of Eco Gro has not and will not award a subcontract, in connection with any contract award to it as the result of this bid, to any firm that has been debarred for noncompliance with the Federal labor Standards, Title VI of the civil Rights Act of 1964, Executive Order 11246 as amended or any Federal Law.

Eco Gro
Name of Firm Submitting Bid


Signature of Authorized Official

PRESIDENT
Title

10 NOV 2016
Date

15. DEBARMENT CERTIFICATION

All contractors/subcontractors shall complete the following certification and submit it with the bid proposal.


The contractor/subcontractor certifies in accordance with Executive Order 12549 (Debarment and Suspension 2/18/86) that to the best of its knowledge and belief, that it and its principals:

- 1) Are not presently debarred, suspended, proposed for debarment, declared negligible, or voluntarily excluded from covered transactions or contract by any Federal department or agency for noncompliance with the Federal Labor Standards, Title VI of the Civil Rights Act of 1964 as amended, Executive Order 11246 as amended or any other Federal law;
 - a) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - b) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(a) of this certification; and
 - c) Have not within a three year period preceding this bid has one or more public (Federal, State or local) transactions or contracts terminated for cause or default.
- 2) Where the contractor is unable to certify to any of the statements in this certification, such prospective contractors shall attach an explanation to this certification form.

Firm Name: Eco Gro

Project: Coldstream Park Stream 145-2016

Printed Name and Title of Authorized Representative: Jim Hansen President

Signature: 

Date: 10 Nov. 2016

15. DEBARMENT CERTIFICATION

All contractors/subcontractors shall complete the following certification and submit it with the bid proposal.

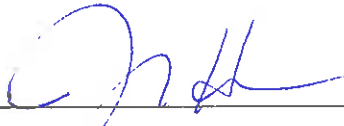
The contractor/subcontractor certifies in accordance with Executive Order 12549 (Debarment and Suspension 2/18/86) that to the best of its knowledge and belief, that it and its principals:

- 1) Are not presently debarred, suspended, proposed for debarment, declared negligible, or voluntarily excluded from covered transactions or contract by any Federal department or agency for noncompliance with the Federal Labor Standards, Title VI of the Civil Rights Act of 1964 as amended, Executive Order 11246 as amended or any other Federal law;
 - a) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - b) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(a) of this certification; and
 - c) Have not within a three year period preceding this bid has one or more public (Federal, State or local) transactions or contracts terminated for cause or default.
- 2) Where the contractor is unable to certify to any of the statements in this certification, such prospective contractors shall attach an explanation to this certification form.

Firm Name: Eco Bro

Project: Goldstream Park Stream 145-2016

Printed Name and Title of Authorized Representative: Jim Hansen, President

Signature: 

Date: 10 Nov 2016

16. BID BOND

BID BOND

- See attached

Bond Number: _____

KNOW ALL MEN BY THESE PRESENTS, that we Ecobro

as principal (the "Principal") and Granite Le

hereinto called Surety, are held and firmly bound unto

LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
200 East Main Street, Third Floor
Lexington, Kentucky 40507

as obligee (the "Obligee), in the penal sum of 5% of bid dollars for the payment of which sum well and truly be made, the said Principle and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal within the period specified therein, or, if no period be specified, within ninety (90) days after opening, and the Principal shall enter into a contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or contract documents, or in the event of the failure of the Principal to enter into such contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference in money not to exceed the penal sum hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void; otherwise to remain in full force and effect. In no event shall the liability hereunder exceed the penal sum thereof.

PROVIDED AND SUBJECT TO THE CONDITION PERCEDENT, that any claim by Obligee under this bond must be submitted in writing by registered mail, to the attention of the Surety Law Department at the address above, within 120 days of the date of this bond. Any suit under this bond must be instituted before the expiration of one (1) year from the date of this bond. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall apply.

DATED as of this 10 day of November, 20 14.

WITNESS / ATTEST:

[Signature]
Principal (Secretary)

Ecobro Jim Hansen
Principal

By: [Signature] (seal)

Name: Jim Hansen
Title: Principal

Surety (Secretary)

Grant Re

Surety

By: G. Randall Deskins (seal)
Name:
Title: See BID BOND

POWER OF ATTORNEY

(Attach to Bid Bond)

END OF SECTION

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:

(Name, legal status and address)

Advanced Mulching Technologies, Inc. dba
EcoGro

P.O. Box 22273

Lexington, KY 40522

SURETY:

(Name, legal status and principal place of business)

Granite Re, Inc.

14001 Quailbrook Drive

Oklahoma City, OK 73134

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

OWNER:

(Name, legal status and address)

Lexington Fayette Urban County Government, Division of Purchasing

200 E. Main Street, Room 338

Lexington, KY 40507

BOND AMOUNT: \$ 5%

Five Percent of Amount Bid

PROJECT:

(Name, location or address, and Project number, if any)

Bid No. 145-2016, Coldstream Park Stream Corridor Restoration and Preservation Consent Decree Supplemental Environmental Project

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

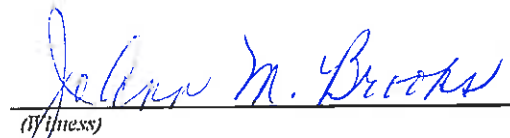
When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 10th day of November, 2016


(Witness)

Advanced Mulching Technologies, Inc. dba EcoGro
(Principal) (Seal)

By: 
(Title) President


(Witness)

Granite Re, Inc.
(Surety) (Seal)

By: 
(Title) G. Randall Deskins Attorney-in-Fact



GRANITE RE, INC.
GENERAL POWER OF ATTORNEY

Know all Men by these Presents:

That GRANITE RE, INC., a corporation organized and existing under the laws of the State of OKLAHOMA and having its principal office at the City of OKLAHOMA CITY in the State of OKLAHOMA does hereby constitute and appoint:

G. Randall Deskins its true and lawful Attorney-in-Fact(s) for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge the following surety bond, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said GRANITE RE, INC. a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said GRANITE RE, INC. through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said:


G. Randall Deskins may lawfully do in the premises by virtue of these presents.

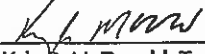
Surety Bond Number: Bld Bond
Principal: Advanced Mulching Technologies, Inc. dba EcoGro
Obligee: Lexington Fayette Urban County Government, Division of Purchasing
Bond Amount: **See Bond Form**

In Witness Whereof, the said GRANITE RE, INC. has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its President and Secretary/Treasurer, this 7th day of August, 2013.

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)





Kenneth D. Whittington, President


Kyle P. McDonald, Treasurer

On this 7th day of August, 2013, before me personally came Kenneth D. Whittington, President of the GRANITE RE, INC. Company and Kyle P. McDonald, Secretary/Treasurer of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said, that they, the said Kenneth D. Whittington and Kyle P. McDonald were respectively the President and the Secretary/Treasurer of GRANITE RE, INC., the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their name thereto by like order as President and Secretary/Treasurer, respectively, of the Company.

My Commission Expires:
August 8, 2017
Commission #: 01013257





Notary Public

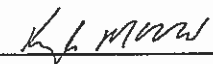
GRANITE RE, INC.
Certificate

THE UNDERSIGNED, being the duly elected and acting Secretary/Treasurer of Granite Re, Inc., an Oklahoma Corporation, HEREBY CERTIFIES that the following resolution is a true and correct excerpt from the July 15, 1987, minutes of the meeting of the Board of Directors of Granite Re, Inc. and that said Power of Attorney has not been revoked and is now in full force and effect.

"RESOLVED, that the President, any Vice President, the Secretary, and any Assistant Vice President shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the Company in the course of its business. On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the Company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

IN WITNESS WHEREOF, the undersigned has subscribed this Certificate and affixed the corporate seal of the Corporation this 10th day of November, 2016.





Kyle P. McDonald, Secretary/Treasurer

Project Profiles





Kentucky Horse Park Stormwater BMPs
Kentucky Horse Park Foundation
Lexington, KY
Project Date: August - November, 2013

The purpose of this project was to implement a variety of stormwater Best Management Practices (BMPs) to improve water quality in Cane Run at the Kentucky Horse Park. The park was selected as a key location to implement and demonstrate practical ways to reduce pollution in Cane Run. The quality of water in Cane Run is listed by the Kentucky Division of Water as impaired due to pollutants such as sediment, excessive nutrients, manure and urban runoff. Stormwater quality improvements in this area will benefit Cane Run and the Royal Springs Aquifer (which serves as the drinking supply water for the City of Georgetown). EcoGro was hired to assist with BMP selection, design and construction. The BMPs developed were:

- Construction of a 150,000 gallon bioretention basin.
- 1,000 linear feet of stream enhancement, bank grading and riparian buffer planting.
- Dredged approximately 5,000 cubic yards of sediment from the main entrance pond.
- Amended soil and repaired drainage system along 75 linear feet of bioswale and rain garden.
- Stabilized a channel headcut with rock and created 1,200 square feet of amended bioswale.

Project Partners: Kentucky Horse Park Foundation, Ridgewater, Stantec Engineering, Lexington-Fayette Urban County Government, University of Kentucky, Kentucky Division of Water, US Army Corps of Engineers and US EPA.

Funding Source: EPA 319 grant for implementation of the Cane Run Watershed Plan.

Photos (clockwise): Construction of new bioretention basin, unstable stream bank (before), graded stream bank (after), bioswale repair, pond before dredging, pond after dredging.



Key Features:

- Design/Build
- Pond dredging
- Stream bank grading
- Bioretention basins

www.EcoGro.net

(859) 231-0500

P.O. Box 22273, Lexington, KY 40522



University of KY, Maine Chance Equine Campus
Stream Restoration Research and
Water Quality Demonstration Site
Lexington, KY
May, 2012

EcoGro was hired to construct ecological enhancements along approximately 850 linear feet of an un-named tributary to Cane Run at the University of Kentucky's Agricultural Experiment Station. In the past, water flowing through Maine Chance equine research paddocks allowed horses direct access to the small tributary.

The Cane Run Watershed Based Plan, lead by UK, identified opportunities to implement water quality

BMPs on the farm. In 2010 a drainage swale was dug and new fencing was built to exclude livestock from the water. As an agricultural education and outreach facility, they wanted to develop this site to be used for multi-disciplinary research, hands-on student experience and to demonstrate water quality BMPs. A natural stream channel design for the drainage swale was developed with a series of pools, bends and riffles to restore riparian habitat.

EcoGro's role was to provide construction services and EPSC materials. Limestone rock was harvested locally and installed in the riffle sections to control gradient. Logs and branches were incorporated within shallow pools for aquatic habitat. Wetland sod was harvested on-site and planted along the bottom of the swale to offer both sediment control and accelerated vegetative cover. Coconut fiber blankets and wood chip berms were installed by students, offering 100% biodegradable erosion and sediment controls.



Maine Chance equine research paddock, 2002.



Exclusion fencing and drainage swale, 2010.



EcoGro channel & riparian enhancement, 2012.



Project Partners: Ridgewater, LLC,
University of Kentucky

Key Features:

- Natural channel design
- Water quality improvements
- 100% Biodegradable materials

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P.O. Box 22273, Lexington, KY 40522



Lexmark Shadybrook Park Streambank Stabilization

Lexington, KY
May - June, 2010

This project consists of repairing the banks of a section of Cane Run and a section of the Tributary to Cane Run flowing through Lexmark International property in Shadybrook Park. Cane Run is a stream in Lexington, KY that has been identified by the Kentucky Division of Water as unable to support aquatic wildlife or primary contact recreation. Due to the urban watershed, non-point source pollutants in the stormwater and intense volumes of runoff, the banks of Shadybrook Park were eroded and largely void of aquatic habitat.



The primary concern of Lexmark was for safety of the park users, which are Lexmark employees and their families. There was a concern that a person near the edge of the bank could fall and be seriously injured. The stream channel was degraded with steep, eroded banks approximately four feet high. The channel was cutting its way toward park facilities and playground areas.

To reduce Lexmark's liabilities, EcoGro teamed with project partners to design and build approximately 1,350 feet of stabilized banks along Cane Run and its tributary. The toe of the slope was armored with limestone rock to provide a stable foundation and the banks were re-graded to a more gradual slope. Lastly, the banks were seeded with a selection of native grasses and wildflowers, and then covered with a biodegradable erosion control blanket.

Even though this project was undertaken to improve the safety as its primary goal, there were multiple aspects of this project that Cane Run benefited from as it flows across Lexmark property. During the repairs, a series of rocky riffles, shallow point bars and deep pools were created to develop a more natural stream channel and reduce shear stress on the outside bends. Because the streambanks were excavated and the soil was removed from the floodplain, the stream channel

gained some capacity to help moderate high storm flows. This space allows for sediment and trash to deposit upstream of the park. EcoGro established a vegetated riparian buffer along the project to further protect the floodplain from erosion and provide valuable aquatic habitat. The dense root system of these plants will help to bind the soil as well as use up some of the excess nutrients that contribute to Cane Run's water pollution.



Key Features:

- Design/Build
- Native plants
- Riparian buffer
- Biodegradable EPSC controls

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P.O. Box 22273, Lexington, KY 40522



Montessori Middle School of Kentucky Stormwater Quality Improvement and Stream Restoration Project

Project Design: February 2011 - April 2013
Project Construction: April 2013 - March 2014

In 2010, EcoGro saw potential in a small, un-named tributary to the South Elkhorn Creek in Lexington Kentucky. It's steep, eroded banks were suffering from urban runoff. What this creek lacked in environmental quality, it presented in opportunity for improvement. EcoGro, Montessori Middle School of Kentucky, and several project partners submitted a grant application for the LFUCG Stormwater Quality Incentive Grant Program. The city of Lexington recognized the same potential gains for education and habitat as they approved this project for funding. The purpose of this project was to restore habitat and improve water quality in addition to providing an exceptional educational opportunity.

In 2012, the University of Louisville conducted a one year study to monitor and analyze urban stream pollutants. This information not only benefited the design of this project, but also provided insight into pollutants effecting similar streams across the Bluegrass. A model of stream flows was developed to evaluate how the new channel design would hold up to the 100 year storm event. This allowed designers to address any predicted problems before construction began. Researchers will also conduct studies to evaluate how various in-stream treatments improve water quality conditions.

Project Partners: Ridgewater, LLC, Vision Engineering, Lexington-Fayette Urban County Government, Univ. of Louisville, Univ. of Kentucky, KDOW, US ACE, KYTC.

This project was funded by the LFUCG Stormwater Quality Projects Incentive Grant Program.



Above: hydraulic model, MMSK students observing construction, U.of L. research cells, built channel.

MMSK MONTESSORI MIDDLE SCHOOL of Kentucky
Ecological Odyssey

FUNDED BY THE
LFUCG STORMWATER QUALITY INCENTIVE GRANT PROGRAM

UNIVERSITY OF LOUISVILLE
STREAM INSTITUTE

ecogro

WATER

UAS

ISE

VISION ENGINEERING

Lexington

SEEC

UK KYTC

US Army Corps of Engineers

Key Features:

- Design/Build
- 2D hydraulic model
- Water research
- Water education

www.EcoGro.net
(859) 231-0500

P.O. Box 22273, Lexington, KY 40522



Springs Branch Stormwater Improvement Project at Clays Mill Elementary

Lexington, KY

Project Design: completed October 2013

Project Construction: August 2013 - March 2014

Springs Branch is a headwater tributary to Wolf Run that starts on the Clays Mill Elementary School and LFUCG Southland Park properties. This stream is in a developed, urban watershed that has several water quality issues such as sanitary sewer overflows, chlorine and cleaning chemical discharges from the LFUCG Southland Pool, as well as the typical runoff from parking lots, roads, and residential areas. There are also long-standing downstream road and structure flooding problems on Cardinal Lane, Longview Drive, and further downstream on the main stem of Wolf Run.

EcoGro, Fayette County Public Schools, and several project partners submitted a grant application for the LFUCG Stormwater Quality Incentive Grant Program. The city of Lexington recognized the same potential gains for education and habitat as they approved this project for funding. The University of Louisville developed a model of stream flows to evaluate how the new channel design would hold up to the 100 year storm event. This allowed designers and stakeholders to address any predicted problems prior to construction.

The goal of this project is to improve water quality and aquatic habitat in Wolf Run, as well as to reduce downstream flooding of roads and homes. In addition, this project will help educate the local community, park users, students at the nearby schools, and water professionals about stormwater quality. This project involved the design and construction of five types of stormwater Best Management Practices (BMPs): stream restoration with riparian buffer, a constructed ephemeral wetland, two rain gardens, a bioswale and permeable pavement to replace an existing walking path.

Project Partners: Ridgewater, Vision Engineering, LFUCG, Univ. of Louisville, Univ. of Kentucky, KY Division of Water, US Army Corps of Engineers, KY Transportation Cabinet.

This project was funded by the LFUCG Water Quality Management Fee through the Stormwater Quality Projects Incentive Grant Program.



Above: Project sign, hydrodynamic model, built channel.

Key Features:

- Design/Build
- Hydrodynamic model
- Water education

www.EcoGro.net

(859) 231-0500

P.O. Box 22273, Lexington, KY 40522



Cove Spring Stream and Wetland Restoration
Frankfort, KY
September, 2012 - March, 2013



Because of its convenient location in downtown Frankfort, Cove Spring Park is not only an oasis for wildlife, but also the public. Numerous people visit the park daily to enjoy its natural beauty and unique environments. The park offers the unique ability to educate a wide audience about the measures taken to help protect the park's greatest assets, its environmental and historical features.

Over time, the landscape and waterways in the park had been altered several times by both nature and man. Cove Spring Run and Penitentiary Branch had cut tall, steep and dangerous banks through sediment in the park. This site was identified as an ideal location for a KDFWR mitigation and protection project.

The EcoGro/RidgeWater team was hired to rehabilitate over 7,200 feet of creek and more than 14 acres of wetland in Cove Spring Park. Rock structures were installed to stabilize the stream and create a series of riffles and pools. Banks were re-graded to eliminate eroding slopes and allow floodplain access.



Before: steep, eroded banks in the park.



During: construction of rock structures.



After: lower banks along Penitentiary Branch support wildlife habitat, reduce erosion and improve water quality.



After: pools and riffles in the upper reach.

- Natural channel design
- Stream and wetland restoration
- Native plants

Project Partners: Kentucky Department of Fish and Wildlife Resources, City of Frankfort, Biohabitats, Eco-Tech Consultants, KDOW, KYTC, EPA, USFWS, & USACE.

www.EcoGro.net
 (859) 231-0500

P.O. Box 22273, Lexington, KY 40522



Town Branch Stream Restoration
 Advanced Mitigation Site for KYTC
 Winchester, KY
 Completed in 2011



Through history, Town Branch had been altered (both physically and biologically) as a consequence of the developing needs of the community of Winchester, Kentucky. A railroad, industrial and commercial development, agriculture and stormwater runoff from urban and interstate surfaces have all contributed to changes in the creek and its natural filtration processes. The purpose of this project was to lengthen and restore 5,862 feet of degraded channel in Town Branch. This Clark County tributary to Strodes Creek benefits from a natural channel



design that produced over 7,000 feet of meandering stream. In addition, a 200-foot wide floodplain was created along the length of the project to increase flood storage capacity and allow sediment to deposit. Trees, wildflowers and grasses planted throughout the floodplain will create a corridor of Kentucky native species. These plants will help clean Town Branch by filtering out pollutants and absorbing nutrients. In addition to the visible changes on site, the project is creating groundwater aquifers below the surface to work towards removing pollutants and improving water quality by using naturally occurring chemical and biological processes. Numerous wetlands were created in tributaries, in the floodplain and adjoining the stream. The dense variety of habitat and plants will support a rich biodiversity of wildlife and ecological systems.



Key Features:

- Design/build
- Water quality wetlands
- Natural stream channel design
- Riparian buffer
- Hyporheic aquifers

www.EcoGro.net

(859) 231-0500

P.O. Box 22273, Lexington, KY 40522

Reference Letters





TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Joseph W. Prather
Secretary

June 16, 2009

To Whom It May Concern:

As the Stream and Wetland Advanced Mitigation Program Coordinator, I oversee all stream and wetlands restoration projects for KYTC. I managed the Bluegrass Station Stream Mitigation Project from design through construction.

The Ridgewater/EcoGro Team constructed the Bluegrass Station Stream Mitigation Project in Fayette County, Kentucky for the Kentucky Transportation Cabinet (KYTC) in 2008-09. The KYTC-funded project had a construction budget of approximately \$400,000 and was a collaborative effort with U.S. Fish and Wildlife Service and Southern Conservation Corporation. This project was contracted quicker than any past KYTC-funded stream restoration project, with no points of contention while maintaining the highest degree of quality.

The Ridgewater/EcoGro Team were a joy to work with and did an outstanding job of constructing this stream restoration project. They worked seamlessly with the design engineer, Stantec Consulting, to adjust the design in the field to deal with unforeseen situations that arose. They also suggested and implemented improvements to the project, such as using native limestone for the riffles and utilizing mulch for silt control all of which helped the project successfully meet its goals, while saving costs. Despite the fast track schedule and a delay in the start of the contract beyond their control, they finished the project on schedule and under budget.

I have known personnel from the Ridgewater/EcoGro Team for over five years and have found them to be highly competent on a technical level, easy to work with and amiable.

The Ridgewater/EcoGro Team was an integral part of the success of the Bluegrass Station Stream Mitigation Project. I highly recommend the Ridgewater/EcoGro Team for the implementation of stream restoration projects.

If you would like additional information about the Ridgewater/EcoGro Team, feel free to contact me at (502) 564-7250.

Sincerely,

A handwritten signature in black ink that reads "Daniel R. Peake".

Daniel R. Peake,
Project Manager



An Equal Opportunity Employer M/F/D

LETTER OF REFERENCE

From:

Past Client
 Past Employer
 Codes Official

Reference Relating to: Advanced Mulching Technologies, Inc. DBA EcoGro
(Please print name of individual and/or company applying for a license)

Address: PO BOX 22273, Lexington, KY 40522

The above named individual and/or company is applying for a contractor's license in the State of Tennessee. Please give any information you can relating to their construction experience. You can greatly assist both applicant and Board by furnishing this information in detail. (PLEASE PRINT OR TYPE)

1. How long have you known the owner(s)/principals? 5 years

2. What has been your general experience with the above?

The principal members of this company have constructed two major stream restorations as subcontractors to the University of Louisville Stream Institute. Their work is excellent. It is my opinion that they are one of the most qualified stream restoration construction companies in the eastern US. I am especially impressed with their ingenuity in adapting restoration designs to complex field conditions.

2. What is your business opinion of the above?

The company constructs restoration projects to a quality that exceeds designers expectations and contract requirements. Their costs are in-line with similar companies. They complete projects on budget and on time.

4. Do you recommend a state license be granted to the above? Explain.

Yes, I highly recommend that a state license be granted to this company. The company principal personnel have several years experience in constructing high quality stream restoration projects. The principal personnel include a professional engineer that takes full responsibility for the quality of the work and the timely completion of the work. The company is serious about compliance with municipal, state, and federal regulations that affect job safety, flood potential, and the environment.

5. Please mention other comments you would like to include regarding the applicant.

The principals of this company are about to finish construction on a complicated urban stream restoration in Lexington, KY. Their innovative thinking has been a key in the cost effective design and construction of this restoration. I highly recommend this company.

This form is being completed by:

Arthur C. Parola, Jr., PhD, Director of the Stream Institute, University of Louisville
(Print Name) (Name of Company/Client or list "Homeowner")

Mailing Address:

Department of Civil and Environmental Engineering, University of Louisville, Louisville, KY 40292

Telephone Number: 502-852-4599 Email a.c.parola@louisville.edu

Arthur C. Parola, Jr. 15 September 2009
(Signature) (Date)

NOTE: All reference letters must be from a past client, employer or codes official commenting on experience. Out of state letters are acceptable; family member references are not acceptable.

City of Frankfort

Capital of Kentucky

315 West Second Street, P.O. Box 697
Frankfort, Kentucky 40602
(502) 875-8500

www.frankfort.ky.gov

Mayor
William I. May, Jr.

Commissioners

Lynn Bowers
Tommy Haynes
Katie Flynn Hedden
Robert E. Roach

July 25, 2013

To Whom It May Concern:

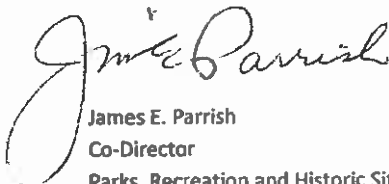
This letter is in reference to the design and construction that the EcoGro/Ridgewater Team did for the Cove Spring Park Stream and Wetlands Restoration Project in Frankfort, KY in 2012-2013. The project was funded by the Kentucky Department of Fish and Wildlife Resources and administered by the City of Frankfort, Parks, Recreation and Historic Sites Department. The project had a construction and vegetation maintenance budget of approximately \$1,088,000.

Cove Spring Park is a 260 acre Nature Preserve used primarily for passive recreation. There are eight acres dedicated to an archery facility, 5 pavilions, 1 ¼ miles of streams with a waterfall, and 8 miles of hiking/walking trails.

As co-director of the Parks Department with over 30 years of experience, I have overseen multiple recreation and park projects in many different areas. Working with EcoGro/Ridgewater on the stream restoration was a very smooth and easy experience for me. Their expertise in design and construction was a tremendous asset to the timely completion of this project. The personality of the entire EcoGro team created a bond between the Parks Department and themselves.

They practically redesigned the entire project during construction and will design and construct 2 bridges over the stream.

I would highly recommend EcoGro/Ridgewater for any project you may have in the future. Their professionalism, knowledge, expertise, and work ethic go far above the norm of companies I have been associated with in the past. Feel free to contract me with any questions. Thank you.



James E. Parrish
Co-Director
Parks, Recreation and Historic Sites
Frankfort, KY
502-803-0241



Equal Opportunity Employer M/F/H
Equal Housing Opportunity 



Lexington-Fayette Urban County Government
DEPARTMENT OF ENVIRONMENTAL QUALITY AND PUBLIC WORKS

Jim Gray
Mayor

Richard Moloney
Commissioner

September 10, 2013,

To Whom It May Concern:

This letter is in regards to the opportunities I have had to work with the EcoGro/Ridgewater team and to describe some of the benefits they can provide to your project. My first acquaintance with Jim Hannsen and Eric Dawalt occurred approximately three years ago as they provided a very informative and eye-opening tour of their newly constructed urban stream restoration project at MillCreek Elementary in Lexington, Ky. The project was impressive enough with their unique and innovative approach to stream restoration with applications to hydrology, hydraulics, water quality, vegetation and the entire floodplain but what I was most impressed by was their devotion to the details necessary for success of the project in the future. This loyalty to the last detail has been exhibited on every project I have worked with them on since and what I believe has made the difference between an exceptional project worth bragging about versus just a finished project.

Since our first meeting, I have worked directly with them on three different projects in Fayette County and have observed several additional projects of theirs in Fayette and surrounding counties. The projects in Fayette County are through the Lexington-Fayette Urban County Government - Division of Water Quality (LFUCG-DWQ) Stormwater Quality Incentive Grants Program which provides funds to local entities for projects that provide benefits of improved water quality and reduced flooding for the community. Projects that EcoGro/Ridgewater has taken the lead on include the following; Community Montessori School Stream Restoration Project, Clays Mill Elementary-Springs Branch Stream Restoration Project, Lexmark Stormwater Improvement and Education Project and the Coca-Cola Rain Garden/Rainwater Harvest Project. Through each of these projects, I have observed that they make it a goal to be the best in their field and leaders in the latest innovation. I frequently receive emails from Eric or Jim about some new research, advancement or method being tried in the engineering or water resource related fields that they are anxious to incorporate. They have also demonstrated that they are not afraid to admit to a wrong turn and quick to modify their actions when the anticipated results do not appear to be as desired. It is my belief that the values and ethics inspired by the leadership of this team is shared throughout as shown by the hard work, dedication and respect shown by each member of the team.

It has been my pleasure to work with the EcoGro/Ridgewater Team and I would recommend them for any stream restoration, water quality improvement or other water resource type project. Please feel free to contact me regarding their past projects mentioned above or if you have any other questions.

Sincerely,

Benjamin Krebs, P.E., CFM
Municipal Engineer Sr.
LFUCG-DWQ
Lexington, KY
859-258-3426
bkrebs@lexingtonky.gov



BLUEGRASS STATION DIVISION
KENTUCKY DEPARTMENT OF MILITARY AFFAIRS
5751 Briar Hill Road, Building 18
Lexington, Kentucky 40516-9721
Phone (859) 293-4212 FAX (859) 293-4215



June 15, 2009

To Whom It May Concern:

This letter is in reference to the Ridgewater/EcoGro Team's construction of the Bluegrass Station Stream Mitigation Project in Avon, Kentucky.

Bluegrass Station is a light industrial park with a wide variety of tenants and operations, and any contractors that perform work at our facility must strictly adhere to procedures involving access and security. Ridgewater/EcoGro was working under contract with the Kentucky Transportation Cabinet, but as the property owner, Bluegrass Station was closely involved in all aspects of the project.

The Ridgewater/EcoGro Team did an outstanding job and I would highly recommend them for future work. Not only was the finished product beautiful and acclaimed by all agencies associated with the project, but the Ridgewater/EcoGro personnel were unfailingly responsive and easy to deal with and were very helpful in minimizing disruption to Bluegrass Station operations, and even went beyond their scope of work to increase the benefit Bluegrass Station drew from the project.

If you would like additional information about the Ridgewater/EcoGro Team, feel free to contact me at (859) 293-4213.

Sincerely,

A handwritten signature in black ink, appearing to read "Gary Logsdon".

Gary Logsdon
Environmental Manager



<http://www.kentuckyunbridledspirit.com/>

Watershed: Strodes Creek of Stoner Creek of South Fork Licking River.

Drainage Area: ~4.0 square miles.

Location: Winchester, Clark County, Kentucky

Clients: Southern Conservation Corporation (SCC), Kentucky Waterways Alliance (KWA), and Kentucky Transportation Cabinet (KYTC).

Construction: Fall 2010–Spring 2011

The EcoGro/Ridgewater Team was selected to restore over **7,000 linear feet** of Town Branch for the KYTC through collaboration with Strodes Creek Conservancy, US Fish and Wildlife Service, KWA, and SCC. The project will serve as an Advance Stream Mitigation Bank for KYTC.

Project Background:

- The project reach had been degraded by past straightening for agriculture, leaving high eroding banks. The eroding banks produced large amounts of sediment into the stream contributing to downstream siltation. The straight, bedrock-bottom channel was almost devoid of riffles and deep pools, and basically consisted of shallow (6 - 12 inch deep), over-widened pools. The land next to the stream was mowed and there were almost no trees next to the stream. The stream had very little habitat diversity for fish and aquatic macroinvertebrates. It almost no shade, which led to high water temperatures during the summer, and combined with the high nutrient levels led to huge algal blooms during the growing season.
- Town Branch has a drainage area of approximately four square miles of urban/residential area consisting of part of downtown Winchester (hence the name Town Branch), Interstate 64, a railroad and existing and future industrial parks.
- There are no significant storm water quality treatment practices in the watershed, thus the storm runoff water quality is poor and contains pollutants typical of urban runoff (nitrate, oils, greases, trash, etc.).
- Downstream, Strodes Creek is listed by the Kentucky Division of Water 303(d) list as impaired due to excessive nutrient/eutrophication, organic enrichment (sewage), fecal coliforms and sedimentation/siltation.

Habitat Restoration:

The stream was restored to improve in-stream habitat to increase the number and diversity of species of fish and macroinvertebrates and establish a forested riparian buffer. This was accomplished by the following:

- The floodplain was excavated down several feet to reduce bank heights, near bank shear stress, and subsequent erosion. This lower floodplain provides a place for flood flows to spread out, and be temporarily stored and released slowly, which reduces downstream flooding.
- Deep pools (two-three feet deep) were excavated in the outer bends of the stream where larger fish species can live and to keep the water cooler during the summer months.
- Riffles were constructed of native, on-site limestone cobble and gravel at a slope so steep enough to be kept clean of sediment and not get embedded with silt.
- Small gravel was installed in run and glide areas to provide material necessary for fish spawning.
- Large woody debris was installed in the banks and bed of the stream to provide refuge and colonization sites for fish, amphibians, turtles, and aquatic macroinvertebrates.

- A 200-foot wide riparian buffer was planted with native trees, shrubs, grasses and wildflowers. It will provide shade to keep the stream cool, a source of leaf and wood matter for stream organisms, as well as habitat for other wildlife.

Water Quality Treatment:

The stream is being restored not only to improve in-stream habitat, but also to improve the water quality by removing pollutants from the flow entering the project reach. This is being accomplished by the following:

- **Off-channel aquifers:** These were constructed parallel to and adjacent to the stream to filter out pollutants and create a hyporheic zone for nitrate removal. They are constructed of a layer of several feet of native limestone and mixed with wood. Wood was added to the aquifer to serve as a carbon food source for denitrifying bacteria that, in the constructed anoxic environment, will remove nitrate from the water and convert it to nitrogen gas, which will be released to the atmosphere. Flow from the stream enters and flows through the aquifer with a design residence time of at least twelve hours. The flow exits the aquifer through a flow/elevation control structure into an open water wetland where it re-oxygenates before returning to the stream flow.
- Groundwater dams were constructed to the elevation of the riffle crests throughout the floodplain to maintain water levels in the aquifers and in the deep pools during droughts.
- Backwater and side-channel wetlands were constructed in the floodplain to capture runoff during storm events and retain sediment and other pollutants. These wetlands are connected to the stream and also provide additional habitat areas for fish and other aquatic life.
- Ephemeral wetlands were constructed in the riparian buffer adjacent to the floodplain to capture additional runoff. They will hold water during the winter and spring and dry out during the summer (hence they are ephemeral). This will prevent fish from living in them and create habitat for amphibians to lay their eggs because they will not get eaten by fish.

Recycled Material:

Thanks to Winchester Municipal Utilities (WMU) and KYTC, several thousand cubic yards of wood and leaf waste were recycled as a part of the project. The wood and leaves were used as large woody debris in the stream for habitat and refuge, in the aquifer as a carbon source for denitrification, and in mulch berms as erosion and sediment control. This recycling allows the wood to be used beneficially instead of being wasted (burned, put in a landfill, etc.). It also allows much of the carbon in the wood that is buried to be sequestered and prevented from returning to the atmosphere as carbon dioxide, a greenhouse gas. The amounts and sources of this wood and leaf waste are below:

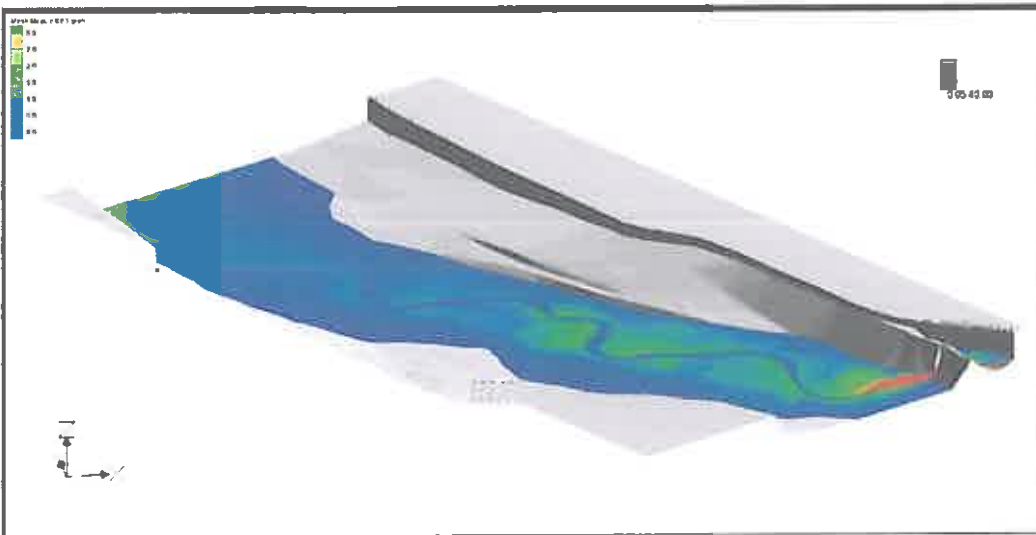
- Approximately 5,000 cubic yards of large woody debris (limbs, brush, etc.) and 2000 cubic yards of ground wood chips from the WMU compost facility.
- Over 1,000 cubic yards of leaves from City of Winchester during their fall leaf collection.
- Approximately 1,000 cubic yards of large woody debris from clearing and grubbing KYTC I-64 widening project in Winchester.

Pictures:

1. Existing channel prior to restoration showing eroding banks (top) and straightened channel (bottom). There were very few trees next to the stream to provide shade.



2. 2-D Hydraulic Model of Stream prepared by Dr. Art Parola, P.E. during the design.



3. Floodplain excavation to bedrock:



4. Excavating bedrock for aquifer construction:



- 5. Constructing aquifer/hyporheic zone of rock and wood, and covered with leaves and soil:



- 6. Constructing groundwater dams of clay to maintain water levels in aquifers and pools:



7. Constructing stream channel with rock and large woody debris:



8. Sod was transplanted from adjacent field (top) to stream bank (bottom):



9. Transplanting on-site trees:



10. Finished stream:



11. Finished stream one year after construction:



12. Finished stream four years after construction:



13. Constructed floodplain wetlands:



14. Wildlife on project:







Statement of Qualifications

For
The Construction of the
LFUCG Coldstream Park Stream Corridor Restoration
and Preservation Supplemental Environmental Project



Prepared for:

LFUCG

Submitted by:



November 10, 2016



November 10, 2016

Mr. Brian Marcum
Buyer Senior
LFUCG Central Purchasing
200 East Main Street
Lexington, Kentucky 40507

Dear Mr. Marcum:

We appreciate the opportunity to submit this bid for the EcoGro/Ridgewater Team for the LFUCG **Coldstream Park Stream Corridor Restoration and Preservation Supplemental Environmental Project**.

EcoGro/Ridgewater Team:

As you review our bid and statement of qualifications you will see that the EcoGro and Ridgewater team specializes in stream restoration, ecological services, stormwater treatment, and water quality improvements. The EcoGro/Ridgewater Team is a unique and successful partnership of two firms that together provide comprehensive stream and stormwater solutions.

- EcoGro, Inc. manages contracts, the equipment, materials, and labor to construct the projects, as well as provides vegetation installation and management services. EcoGro will serve as the Prime Contractor, similar to other LFUCG funded projects such as the ***Green Acres Stream Corridor Vegetative Buffer Project***.
- Ridgewater, LLC provides field engineering and project and construction management. Ridgewater will serve as a subcontractor to EcoGro.

Our team has provided construction services on over **12 stream restoration construction projects** in the past eight years, with a combined budget of over \$7.5 million.

Experience working with Dr. Parola:

We have worked on similar stream restoration projects designed by Dr. Art Parola, P.E. that have utilized 2-D hydraulic models, including the following:

- MMSK Stream Restoration Project in Lexington, Kentucky (funded by an LFUCG Stormwater Incentive Grant).
- Springs Branch Stream Restoration at Clays Mill Elementary in Lexington, Kentucky (funded by an LFUCG Stormwater Incentive Grant).
- KDFWR/FCPS Mill Creek Elementary Stream Restoration Project in Lexington, Kentucky.
- KDFWR South Fork Curry's Fork Stream Restoration Project in Oldham County, Kentucky.
- KDFWR Hatchery Creek Stream Restoration Project in Jamestown, Kentucky.
- KYTC Town Branch Stream Restoration Project in Winchester, Kentucky.

LFUCG Supplemental Environmental Project (SEP) Experience:

The Coca-Cola Stormwater Replenish project was funded by an LFUCG Stormwater Incentive Grant. EcoGro/Ridgewater designed and built the project in 2011. The project was deemed suitable by EPA and LFUCG to fulfill a portion of the Consent Decree SEP requirements.

Suggestions to Improve Project Success:

Our experience based on working with Dr. Parola, as well as having constructed stream restoration projects for over 15 years has given us valuable insight as how to make field engineering modifications with the designer to best meet the project goals and objectives, and make the project **successful in the long term for all stakeholders**. While our submitted base bid is based on the design plans, after thoroughly reviewing the design and the site we recommend considering:

1. **Bank Stabilization Reach:** Consider adding rock toe to prevent scour, especially between Sta. 15+50 to 20+00, where the stream is not in backwater from the scour pool riffle. This is because the backwater that was previously caused by the bridge and incised channel downstream will likely be lessened (note: we have not seen the hydraulic model to verify this) and thus allow increased flood water surface slopes and velocities. This would increase the amount of rock used and the cost.
2. **Riffles:**
 - a. Consider adding groundwater dams across riffles. This will keep flow from going through the riffle rock, provide more water storage in the pools and a more natural looking stream.
 - b. Consider using shorter riffle rock (10 feet long riffle with 5H:1V slopes for a total rock length of ~30 feet), but extend them into the floodplain with a sill a minimum of 15 feet from the top of the bank. The designed drop between riffles is 0.1 to 0.15 feet through the majority of the riffle/pool reach, which can be accommodated by a 10 feet long riffle. This would reduce the amount of rock by ~2,000 tons and reduce the material cost by at least \$40,000.
 - c. Consider using six-inch diameter rock in the riffles, where the calculated shear stress on the channel is less than 1 lb./sq.ft. This will make a more natural looking channel and should reduce costs as it is cheaper than 12-inch diameter rock.
3. **Grade Control Structures:** Consider adding twice as many grade control structures so there is a maximum drop of six inches in elevation between structures. Grade control structures are especially important where the new channel is on the opposite side of the valley from the existing channel. This will increase the cost, but could be offset by the savings of using shorter riffles. See *aerial photograph below of the KYTC Town Branch Stream Restoration Project* while under construction. It shows the shorter riffles, and the grade control structures extending across the valley from each riffle. This project had a similar watershed area (4 square miles, drained downtown urban Winchester, had three times the channel slope as the Coldstream project, and was successful handling all large storms since construction in 2011.



4. **Pools:** Consider adding rock to outer bends of pools. This will reduce erosion and downstream sedimentation. This will increase the cost, but could be offset by the savings of using shorter riffles.
5. **Other suggestion to improve long term success:** We have other suggestions to improve long term project success that we are glad to share with LFUCG, whether we are the selected bidder or not.

Thank you again for the opportunity to submit this bid and SOQ. We guarantee you will be satisfied with our:

- ✓ **construction services,**
- ✓ **ability to work within your schedule,**
- ✓ **ability to meet the project budget,**
- ✓ **personnel and equipment dedicated to the project,**
- ✓ **and timely communication.** Please feel free to contact us or our attached references. We would like to discuss opportunities to work together to make this project successful.

Sincerely,



Jim Hanssen
Business Manager
EcoGro



Eric Dawalt, P.E.
Project Manager
Ridgewater

Statement of Qualifications

With the increase in projects aimed at re-establishing the health and function of our waterways, there has been a growing need for competent professionals qualified to implement this unique type of ecological improvement. **Our knowledge of environmental processes, fluvial geomorphology, wildlife and stream habitat, stabilization structures, restoration techniques and native plant establishment, coupled with the skills, experiences and equipment to implement this type of work is essential for the success of our projects.** An adept contractor can also **identify unforeseen opportunities to enhance the project, reduce unnecessary costs, minimize environmental impacts during the construction phase and provide results that meet or exceed goals beyond the scope of contract.**

The project team of EcoGro, Inc. and Ridgewater, LLC provides an interdisciplinary team with extensive experience in **stream restoration and real-world construction techniques.** By working with a variety of environmental professionals to support **academic research, innovative applications and educational programs** in the field of stream restoration and ecosystem enhancement, our team is recognized as industry leaders. EcoGro / Ridgewater personnel have teamed together to produce more than **eighteen** successful restoration projects totaling more than **57,000 feet** in Kentucky, Tennessee, and Ohio.

Our core values are:

- **Safety**
- **Integrity** of our work and employees
- **Quality** of service and products
- **Leadership** in environmental restoration
- **Profitable and financially sound business**



Restored Stream in Cove Spring Park, Frankfort, KY

Our strengths are:

- We share a passion for our work.
- We seek exceptional projects and innovative applications or techniques.
- We are proficient in Design / Build partnerships.
- We are cost – effective and we meet project budgets.
- We communicate regularly and effectively.
- We can incorporate stormwater BMPs and address water quality concerns.
- We look for opportunities to include academic research, professional development, educational programs, publications and community engagement with our work.

Company Profiles

Ridgewater, LLC
908 Woodglen Court
Lexington, Kentucky 40515



Ridgewater, LLC is a limited liability company (LLC) based in Lexington, Kentucky. Ridgewater was established in 2008 by Eric Dawalt specifically to manage design, construction, and monitoring of stream and wetland restoration and stormwater quality improvement projects. We are one of the few companies who can provide true **turn-key, design/build stream restoration solutions** to our clients from **assisting with conceptual design and permitting to final design, construction management and monitoring**. We manage all phases of the project and provide one point of contact for project operations. Clients include municipal, state, federal, and non-profit agencies as well as private companies involved in land development and highway construction. A company's reputation is based upon the past work that they have produced and the relationships they have developed. Ridgewater has an excellent track record in providing successful project solutions to our clients. Please contact our references to discuss Ridgewater personnel's reputation for quality of work, easiness to work with, character, and integrity.

EcoGro, Inc.
PO Box 22273
Lexington, Kentucky 40522
www.ecogro.net



EcoGro was established in 2006 by Jim Hanssen as a division of Advanced Mulching Technologies, Inc., a corporation based in Lexington, Kentucky. We are a **professional contracting and consulting group** that use **ecological solutions** to resolve the degradation of our local natural areas. EcoGro specializes in **environmental restoration**, with experience in **stream and wetland restoration, stormwater BMP's, LID construction techniques, green infrastructure, native plants, recycling organics, and biodegradable materials**. We provide the services and products that protect our watersheds and establish healthy, native ecosystems. EcoGro is striving to become an industry leader in design/build construction of stream, wetland and stormwater-related green infrastructure. We are committed to producing a positive influence on our environment. Where applicable, EcoGro is dedicated to professional development and education as well as certification on the installation and maintenance of all products and services we offer. We provide State and local governments, developers, environmental consultants, engineers, grounds maintenance personnel, and construction contractors with the highest quality products, the most reliable level of service and a fair price. For additional information, please visit our website at: www.EcoGro.net.

Similar Projects



Cove Spring Park Stream Restoration (\$1,018,000)
Frankfort, KY
City of Frankfort Parks, Recreation and Historic Sites
Mr. James Parrish
315 West Second Street
Frankfort, KY 40602
Phone: (502) 803-0241
Email: JParrish@Frankfort.ky.gov



KDFWR South Fork Currys Fork (\$548,000)
Oldham County, KY
University of Louisville Stream Institute
Dr. Art Parola, P.E.
J.B. Speed School of Engineering, Building 221
Louisville, KY 40292
Phone: (502) 852-4599
Email: arthur.parola@louisville.edu



Lexington Bluegrass Station Stream Restoration (\$391,000)
Lexington, Kentucky
Kentucky Transportation Cabinet
Mr. Danny Peake
200 Mero Street
Frankfort, Kentucky 40622
Phone: (502) 564-7250
Email: danny.peake@ky.gov



Lexmark Shady Brook Park Bank Stabilization (\$90,000)
Lexington, KY
Lexmark International, Inc.
Mr. Bill Varble
740 West New Circle Road
Lexington, KY 40511
Phone: (859) 232-4078
Email: Varble@lexmark.com

Summary of Stream Restoration Projects

A listing of the EcoGro / Ridgewater Team's representative stream restoration projects is presented below. The table showcases a selection of projects we have completed. EcoGro and Ridgewater personnel have paired together on 15 projects totaling 40,000 feet. Total contract values for these projects equal \$6.9 million.

Prior to starting Ridgewater, Mr. Dawalt had directed additional restoration projects with a previous firm (highlighted in green). His personal project management totals over 24 projects spanning 68,925 feet. Total contract values for Mr. Dawalt's projects are over \$7.7 million.

Project Name, Location	Client	Design Firm	Design / Build	Length (ft)
Brushy Creek Phase 1 Greenup Co. KY	Allied Waste / GV Landfill	CDP / BGS	Yes	4,450
Lee's Branch Midway, KY	Palmer Eng.	Palmer / BGS	Yes	1,500
Woodland Hills, Wilder KY	Northern KY Univ., CAE	NKU	-	3,700
US 27 Campbell Co, Alexandria, KY	KYTC	FMSM (Stantec)	-	3,600
Roland Avenue, Lexington, KY	LFUCG	CDP	-	400
East Fork Little Sandy River, Lawrence Co., KY	KDFWR	BGS	Yes	1,600
Crooked Creek, Milledgeville, TN	TSMP	FMSM (Stantec)	Yes	10,080
Pond Creek, Friendship, TN	TSMP	FMSM (Stantec)	Yes	2,700
US 27 Pulaski Co, Science Hill, KY	KYTC	FMSM (Stantec)	-	700
Young Property, Trace Creek, Boyd Co., KY	Big Sandy RC&D / KDFWR	Third Rock / BGS	Yes	1,350
Avey's Run, Milford, OH	Clermont Co. SWCD	FMSM (Stantec)	Yes	1,700
Burroughs Hollow, Cookeville, TN	TSMP	Dr. Neary, TTU	-	900
Mill Branch, Dewitt, KY	U of L, CV RC&D	U of L Stream Inst.	-	1,700
Bluegrass Station, Lexington, KY	KYTC / SCC	Stantec	-	6,095
Mill Creek Elementary, Lexington, KY	KDFWR/ U of L	U of L Stream Inst.	Yes	700

Town Branch, Winchester, KY	KYTC	T.H.E. / Ridgewater	Yes	7,000
South Fork Curry Fork, Oldham Co., KY	KDFWR / U of L	Stream Inst.	Yes	3,000
Montessori Middle School of KY, Lexington, KY	MMSK / LFUCG	Stream Inst. / Ridgewater	Yes	900
Clays Mill Elementary School, Lexington, KY	FCPS / LFUCG	Dr. Parola, PE /Ridgewater	Yes	900
UK Maine Chance Farm, Lexington, KY	University of Kentucky	UK BAE	Yes	900
Cove Spring Stream Restoration, Lexington, KY	City of Frankfort / KDFWR	BioHabitats	-	7,000
Kentucky Horse Park, Lexington, KY	Kentucky Horse Park Foundation	Stantec/ Ridgewater	Yes	1,000
Hatchery Creek Jamestown, KY	KDFWR	Stantec/ Ridgewater	Yes	5,700
West Milton Dam Removal West Milton, OH	Village of West Milton	Stantec	No	3,000
Zandale Park Streambank Stabilization, Lexington, KY	Lansdowne NHA/LFUCG	Sustainable Steams	No	500
UK FEMA Stream Restoration Project, Lexington, KY	University of Kentucky	Bell Engineers	No	1,150
Green Acres Stream Restoration, Lexington, KY	LFUCG	Stantec	Yes	1,900
United Methodist Home Stream Daylighting Project, Versailles, KY	UMH	Ridgewater	Yes	600

The EcoGro / Ridgewater Team has worked with numerous federal, state and local clients to provide innovative stream restoration solutions. Team personnel have completed projects for:

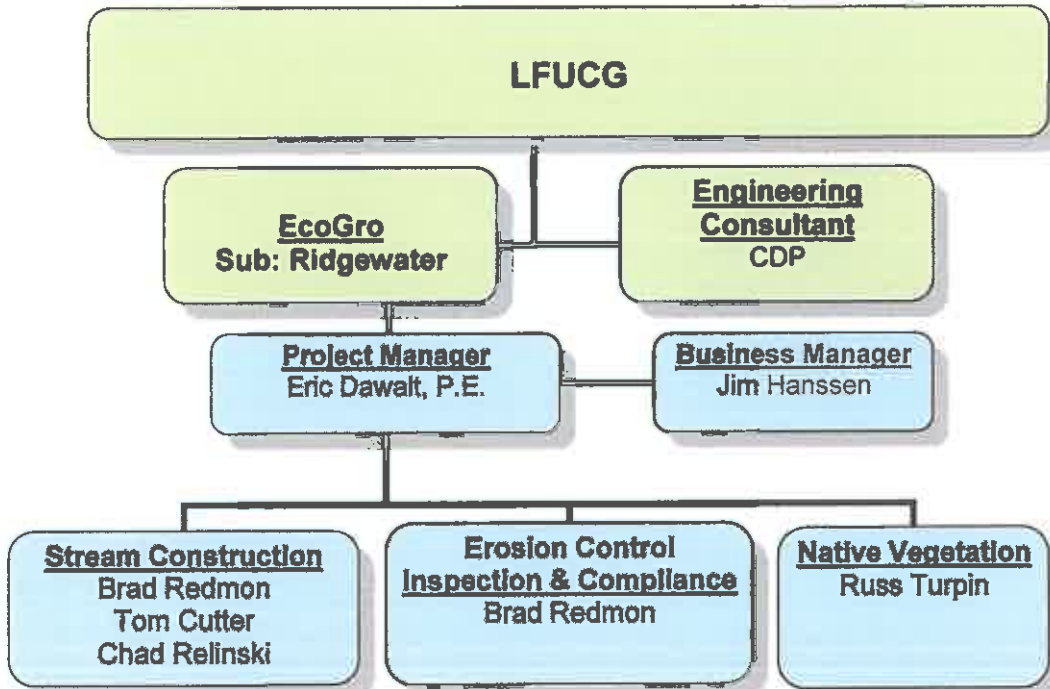
- Kentucky Department of Fish and Wildlife Resources
- Northern Kentucky University Center for Applied Ecology
- Lexington-Fayette Urban County Government
- Tennessee Stream Mitigation Program
- Kentucky Transportation Cabinet
- University of Kentucky
- University of Louisville
- Lexmark International, Inc.
- Coca Cola Refreshments, Inc.



The second phase of Town Branch (Winchester, KY) under construction, 2011.

Project Outline & Organizational Structure

Below is a proposed organizational chart for the EcoGro/Ridgewater Team. The personnel descriptions which follow illustrate how the Team will provide necessary skilled personnel from the required professional disciplines to construct a successful stream restoration project.



Key Personnel



Eric Dawalt, PE, with Ridgewater will serve as Project Manager. He is a Professional Engineer with over 16 years of experience in the design, construction, and monitoring of stream and wetlands restoration projects using natural channel design techniques. He worked and trained under Mr. David Rosgen, one of the leading experts in the field of stream restoration. He has collaborated as a research engineer on several cutting edge projects with Dr. Arthur Parola of the Stream Institute at the University of Louisville Department of Civil Engineering. Some of his recent work involves treating stormwater runoff in streams with passive organic filters, hyporheic zones, and constructed

wetlands. Mr. Dawalt has designed and/or constructed 24 stream and wetland restoration projects that account for over 68,925 linear feet of restored stream, with a cumulative budget of over \$7.7 million.



Jim Hanssen will serve as the Business Manager for the project. Mr. Hanssen is an integral part of the stream construction process doing whatever is necessary to make the project successful. He will handle the purchasing of materials, invoicing and payment, and employee management. Mr. Hanssen has over 19 years of experience in the “green industry”,

running all aspects of an ecosystem restoration centered business, including design, construction, and maintenance of streams and wetlands, landscapes, and green infrastructure. Mr. Hanssen has been involved in the construction and maintenance of eighteen stream restoration projects that account for over 56,975 linear feet of restored stream. He has also constructed stormwater BMP's such as constructed wetlands, rain gardens, and riparian buffers. He regularly works with storm water pollution prevention plans (SWPPP) and inspects construction sites for erosion and sediment control compliance. Mr. Hanssen has worked either directly, as a vendor, or as a subcontractor for many large contractors, consultants, businesses and governmental agencies such as: INDOT, KYTC, Lexington-Fayette Urban County Government, Kentucky Department of Fish and Wildlife Resources, US Fish and Wildlife Service, Tennessee Stream Mitigation Program, US Forest Service, Southern Conservation Corporation, Strodes Creek Conservancy, The Nature Conservancy, University of Kentucky, the University of Louisville Stream Institute, Coca-Cola Refreshments and Lexmark International.

Russ Turpin, of EcoGro, is a native landscape designer and equipment operator. He oversees the installation and management of the native grass and herbaceous seeding as well as the live stakes along the stream. Mr. Turpin is also an experienced surveyor and equipment operator, and is an integral part of the stream construction process. Mr. Turpin manages the restoration stewardship program for EcoGro's projects where clients desire a turn-key solution for native vegetation management and invasive species controls. As a community liaison, Mr. Turpin is often invited to give presentations on EcoGro's work and programs addressing water quality.



EcoGro's Brad Redmon is a Field Superintendent with 13 years of experience in the construction industry. He couples his passion for fly fishing with his experience in the fields of: stream restoration, field surveying, erosion and sediment controls, heavy equipment operation, construction project management, and environmental science technology to create a truly natural stream. He oversees the daily construction operations, manages field personnel and is responsible for the field surveying and layout of the

designed project. Mr. Redmon also serves as EcoGro's Erosion and Sediment Control Inspection and Compliance Officer. He has completed the KEPSC and TNEPSC Inspector Qualification Courses and Rosgen Level I training course. In his short time at EcoGro, Mr. Redmon has constructed 5 stream restoration projects that account for 12,000 linear feet of stream.

Any piece of equipment is only as good as its operator. With EcoGro's Tom Cutter at the controls, the possibilities seem endless. To watch Mr. Cutter build rock structures, excavate pools or grade floodplain banks is to watch a master at work. Tom has been running heavy equipment in a variety of applications with over 30 years of experience. His insight into construction operations is a valuable asset to any project.



The Ridgewater/EcoGro Team has additional equipment operators and personnel on staff who are experienced in stream restoration and construction. EcoGro's ability to adapt and allocate additional labor and/or equipment resources within the team is a valuable resource for streamlining the completion of successful restoration projects.



Restored stream meanders at Bluegrass Station two years after construction.



A restored section at the Cincinnati Nature Center.



School stream restoration projects.

Additional Services and Products

- Nature's Blanket®, 100% biodegradable erosion control products
- Bog Sod®, vegetated wetland sod
- Stormwater BMP design, installation and maintenance
- Wetlands design, construction and maintenance
- Presentations, research, educational programs, and community engagement



References

Stream Restoration Agencies:

Rob Lewis, P.E.
Kentucky Dept. of Fish & Wildlife
Stream Mitigation Program
#1 Game Farm Road
Frankfort, Kentucky 40601
(502) 564-5260

Dr. Art Parola, P.E.
Stream Institute,
University of Louisville
Speed School of Engineering
101 W.S. Speed Hall
Louisville, Kentucky 40292
(502) 852-4599

Mr. Danny Peake
Kentucky Transportation Cabinet
Division of Environmental Analysis
200 Mero Street
Frankfort, Kentucky 40601
(502) 564-7250

Lee Andrews
U. S. Fish and Wildlife Service
KY Ecological Services Field Station
330 West Broadway, Suite 265
Frankfort, KY 40601
502-695-0468, ext 108

Mr. Scott Fennell, P.E.
Center for Applied Ecology
Northern Kentucky University
510 Johns Hill Road
Highland Heights, Kentucky 41076
(859) 572-7588

Mr. George Athanasakes, P.E.
Stantec Consulting, Inc.
Ecological Restoration Practice Leader
10509 Timberwood Circle, Suite 100
Louisville, Kentucky 40223
(502) 212-5000

Municipalities, Non- Profit Conservation Organizations and others:

Mr. Ben Krebs, P.E.
LFUCG Division of Water Quality
125 Lisle Industrial Road
Lexington, Kentucky 40511
(859) 425-2400

Mr. Ken Cooke
Friends of Wolf Run
639 Cardinal Lane
Lexington, Kentucky 40503
(859) 940-8234

Mrs. Shanda Cecil
Strodes Creek Conservancy
P.O. Box 40
Winchester, KY 40392-0040
(859) 745-4042

Mr. Keith Ingram
Capital Project Management Division
University of Kentucky
Room 222 Peterson Service Building
Lexington, Kentucky 40503
(859) 257-5911

Mrs. Judith Peterson
Kentucky Waterways Alliance
120 Webster Street, Suite 217
Louisville, KY 40206
(502) 589-8008

Mr. Jim Parrish
Frankfort Parks, Recreation
315 W Second St
Frankfort, Kentucky 40602
(502) 803-024

Resumes of Key Personnel





PROFESSIONAL REGISTRATION

KEPSC Qualified Inspector, License #070800091

EDUCATION

Bachelor of Arts in Business Administration, Minor in Bible, and emphasis in Economics and Finance 1993 Cedarville University, Cedarville, OH. 45314

1. PROFESSIONAL POSITIONS HELD

2. President / Owner - Advanced Mulching Technologies, Inc., DBA EcoGro, Lexington, Kentucky (2001 to Present).

3. Mr. Hanssen leads the firm specializing in Stream and Wetlands Restoration, Stormwater Best Management Practices (BMP's), Low Impact Development (LID) construction techniques, green infrastructure, native plants, recycling organics, and biodegradable materials. He currently manages budgets and installation schedules regarding construction, as well as the Human Resources Department including payroll, worker's compensation, risk management, benefits and 401k administration. Mr. Hanssen is responsible for all financial reporting, payables, receivables, tax related filings, inventories and overseeing office related tasks. He also supervises a crew in the field to ensure timely completion and high quality of work.

4. Owner – Genesis Grounds Maintenance, Inc. Lexington, Kentucky (1993-Dec. 31, 2000).

Mr. Hanssen managed accounts receivable, accounts payable, payroll, tax-related filings, office management, equipment maintenance and scheduled up to seven crews of two-three people. He also worked in the field in every aspect of lawn and landscape installation and maintenance and directed others to complete the tasks on time and on budget.

SPECIALIZED TRAINING

Applied River Morphology, Wildland Hydrology,	2009
KEPSC Qualified Inspector for Erosion Prevention Sediment Control	2007
KEPSC Qualified Inspector, License #070800091	
TN Department of Environment and Conservation EPSC Certified	2007
CPESC course (Certified Professional in Erosion and Sediment Control.)	2006
Filtrexx Certified Installer of specialized erosion control BMP's	2005

RELEVANT PROJECT EXPERIENCE

Mr. Hanssen has over 16 years of experience running all aspects of a business performing design, construction, and maintenance of stream and wetlands restoration, landscapes and green infrastructure. Mr. Hanssen has been involved in the construction and maintenance of 16 stream restoration projects. He has also constructed stormwater BMP's such as constructed wetlands, rain gardens, underground infiltration systems, water quality manholes, rainfall harvest systems, and riparian buffers. He regularly prepares storm water pollution prevention plans (SWPPP) and inspects construction sites for erosion and sediment control compliance. He is experienced in the application of biodegradable recycled organics in restoration, seeding, invasive species removal, and LID infrastructure. Mr. Hanssen has worked either directly, or as a subcontractor, for many governmental agencies, large corporations, and consultants such as INDOT, KYTC, LFUCG, Kentucky Department of Fish and Wildlife Resources (KDFWR), US Fish and Wildlife Service, Tennessee Stream Mitigation Program, US Forest Service, Southern Conservation Corporation, Strodes Creek Conservancy, Stantec, Black and Veatch, Lexmark



Jim M. Hanssen

Business Manager

International, Coca Cola Refreshments USA and the Nature Conservancy.

The following are some individual projects highlighting his experience:

- **KDFWR - Cove Spring Stream Restoration Project, Frankfort, Kentucky.**

- Mr. Hanssen served as Business Manager for the construction of this highly visible project located within Cove Spring Park, which is operated by the City of Frankfort Department of Parks. Mr. Hanssen worked with City of Frankfort and KDFWR personnel to modify the construction of the project to ensure that it successfully met KDFWR's new project goals

- **Bluegrass Station Stream Mitigation Project, Lexington, Kentucky**

- Southern Conservation Corporation and the Kentucky Transportation Cabinet hired the EcoGro/Ridgewater Team to construct the stream restoration project on the Kentucky Department of Military Affairs base in Avon, Kentucky known as Bluegrass Station. This project, designed by **Stantec Consulting**, consisted of 6,000 linear feet of stream restoration and enhancement, using in-stream structures for grade control and habitat creation. As Construction and Business Manager, Mr. Hanssen was responsible for everything from construction stakeout, directing equipment operations, temporary seeding and straw mulching, native riparian planting, invasive species removal and SWPPP development, implementation and inspections.

- **Avey's Run Stream Enhancement Project, Milford, Ohio.**

- EcoGro stabilized 700 linear feet of reconstructed stream on the Cincinnati Nature Center property as part of this **design/build** project funded by an EPA 319 grant through the Clermont County Soil and Water Conservation District. In addition, three acres of invasive species were removed during construction of this project. This **design/build** project was designed by **Stantec Consulting**.

- **Coca-Cola Refreshments USA Rain Garden / Rainfall Harvest System, Lexington, Kentucky.**

- Coke hired EcoGro to **design/build** four stormwater BMP's on their property including a rainfall harvest system, rain garden, water quality drop inlet structure, and underground infiltration system. They are designed to slow down, capture, and soak in the first 1.6" of rain off of 68,000 square feet of parking lot and rooftop. Captured water is being used in the warehouse for non-potable uses such as toilets, filling batteries, washing trucks, and floor scrubbing. Native plants were installed in the rain garden to remove/take up nutrients and hydrocarbons from the parking lot. This innovative design functions well together and fits naturally in the surrounding landscape.

- **Lexington Green Storm Water Pond Stabilization and Enhancement, Lexington, Kentucky.**

- Heavily eroded slopes and no bank vegetation left the Lexington Green stormwater pond unsightly and ineffective at improving water quality. The slope was re-established and 5,000 native aquatic, marginal and upland plants were installed. Five years of ongoing maintenance are being performed to ensure the proper plants grow and out-compete the invasive species. This **design/build** project has turned this eyesore into an urban oasis and an asset to the community. **LFUCG Environmental Commission Honorable Mention**

- **KYTC Landscape Enhancement – Mulch Paris Pike, Lexington, Kentucky.**

- Working for the **Kentucky Transportation Cabinet** under the Klausung Group's Master Agreement, Advanced Mulching Technologies, Inc / EcoGro applied over 2000 cubic yards of mulch in the landscape beds along the highway from Lexington to Paris. Mr. Hanssen managed the timely and successful application and completion of this project.

- **Pond Creek and Crooked Creek Stream Restoration Projects, Western Tennessee.** These projects included the relocation and restoration over 12,000 linear feet of channel for the Tennessee Stream Mitigation Program (TSMP) to mitigate for the losses associated with new road and other construction. As the on-site manager for EcoGro, Mr. Hanssen provided the erosion and sediment control for the project and managed the installation of the erosion control blanket. The **design-build** projects were

designed by **Stantec Consulting**.

Woodfield Pond Riparian Buffer Enhancement, Lexington, Kentucky.

Woodfield HOA hired EcoGro to curtail bank erosion and reestablish vegetation on their neighborhood pond. Mr. Hanssen managed construction of this **design/build** project consisting of rock weir's/check dams to slow water entering system from the nearby road. A native plant riparian buffer of ½ acre incorporating a trail with aquatic, marginal and upland plants was built. The job succeeded to stop the erosion, provide urban habitat for wildlife, and improve the aesthetics of the area.

KDFWR - Mill Creek Stream and Wetlands Restoration Project, Lexington, Kentucky. Mr. Hanssen was the Construction and Business Manager for this **design/build** project that restored 700 linear feet of urban headwater stream in the West Hickman watershed to improve habitat and water quality. The project was designed and managed by Ridgewater, LLC and the Stream Institute of the University of Louisville, Department of Civil Engineering. Mr. Hanssen managed the construction of the project. He also prepared the SWPPP, installed the sediment control, and performed the erosion and sediment control inspections. This innovative project, funded by the **KDFWR Wetlands and Stream Mitigation Program**, was designed to be an in-stream water quality/quantity BMP and was awarded a **2010 Kentucky Environmental Quality Commission Award**.

KDFWR - South Fork Currys Fork Stream and Wetlands Restoration Project, Oldham County, Kentucky. Mr. Hanssen was the Construction and Business Manager for this **design/build** project with Ridgewater, LLC and the Stream Institute of the University of Louisville, Department of Civil Engineering. It was funded by the **KDFWR Wetlands and Stream Mitigation Program**. The project restored approximately 3000 linear feet of main channel and tributaries to: improve aquatic and terrestrial habitat, establish a riparian buffer of native trees, shrubs, grasses and wildflowers, reduce sediment erosion and downstream sedimentation, improve water quality, and reduce adjacent house flooding.

Lee's Branch Stream Restoration Project, Midway, Kentucky.

This 1600 linear foot stream restoration project was executed by a **design/build** team. The dredged and straightened channel was at one time used as the water supply for several turn-of-the-century mills and factories in downtown Midway and was over-widened and eroding. The channel was restored using natural channel design techniques by recreating a proper width/depth ratio, installing native limestone riffles and pools, stabilizing the banks with bioengineering methods, and planting a riparian buffer of native trees and shrubs. Mr. Hanssen directed EcoGro personnel as they hydroseeded the riparian area with native warm season grasses and wildflowers.





PROFESSIONAL REGISTRATION

Professional Engineer in Kentucky, License #22350

EDUCATION

Master of Science in Biosystems and Agricultural Engineering,
University of Kentucky, 2000, Emphasis: Water Resources.

Bachelor of Science in Biosystems and Agricultural Engineering,
University of Kentucky, 1996, Summa cum laude.

Bachelor of Science in Animal Science, University of Kentucky, 1994,
Summa cum laude.

PROFESSIONAL POSITIONS HELD

Project Manager/Owner – **Ridgewater, LLC**, Lexington, Kentucky (2008 - present). Manage the design, construction and monitoring of stream restoration projects, as well as other stormwater BMP projects such as rain gardens, groundwater recharge and wetlands.

Project Manager/Member – **Bluegrass Stream, LLC**, Beattyville, Kentucky (2004 - 2008). Oversaw design implementation, construction and monitoring of stream and wetlands restoration projects.

Project Engineer – **CDP Engineers, Inc.**, Lexington, Kentucky (2001 - 2004). Designed and managed numerous water resource, NPDES Phase II and stream restoration projects.

Project Engineer – **The Roberts Group, PSC**. Lexington, Kentucky (2001). Designed commercial and industrial site development projects.

Construction Operator – **Wildland Hydrology**, Pagosa Springs, Colorado (2000). Constructed stream restoration project on Little Snake River in Colorado.

Project Engineer – **FMSM Engineers, Inc.**, Lexington, Kentucky (1999-2000). Performed geotechnical, water resource and stream restoration engineering.

Associate Engineer – **University of Kentucky Biosystems and Agricultural Engineering Department**. (1996-98). Performed water resource and sedimentology research.

SPECIALIZED TRAINING

River Morphology and Applications, Wildland Hydrology, 2006

Bioengineering Short Course, Robin Sotir and Associates, 2000.

Fluvial Geomorphology for Engineers, Wildland Hydrology, 1999.

XP-SWMM Courses, 1999-2000.

HEC-RAS Course, 1999.

SEDCAD v.4.0, 1997.



EXAMPLES OF RELEVANT PROJECT EXPERIENCE:

Mr. Dawalt is the Project Manager for the Ridgewater/EcoGro team. He is a professional engineer with **over twelve years of experience** in the **design, construction, and monitoring** of stream and wetlands restoration projects using natural channel design techniques. He worked and trained under Mr. David Rosgen, one of the leading experts in the field of stream restoration. He has collaborated as a research engineer on several cutting edge projects with Dr. Arthur Parola of the Stream Institute at the University of Louisville Department of Civil Engineering. Some of his recent work involves treating stormwater runoff in streams with passive organic filters, hyporheic zones, and constructed wetlands to improve aquatic habitat.

As Project Manager, Mr. Dawalt has designed and/or constructed over 20 stream and wetlands restoration projects that account for over 63,000 linear feet of restored stream, with a cumulative budget of over \$7.1 million. Mr. Dawalt has been the Project Manager and worked with Stantec personnel on eight stream restoration projects.

Below are some examples of Mr. Dawalt's relevant project experience:

KDFWR - Cove Spring Stream Restoration Project, Frankfort, Kentucky.

Mr. Dawalt served as Project Manager of the EcoGro/Ridgewater Team for the construction of this highly visible project located within Cove Spring Park, which is operated by the City of Frankfort Department of Parks. Mr. Dawalt also provided field engineering to make modifications to the design based on updated design objectives by KDFWR.

Avey's Run Stream Enhancement Project, Milford, Ohio.

Mr. Dawalt managed the restoration of over 1700 linear feet of stream on the Cincinnati Nature Center property as part of this **design-build** project funded by an EPA 319 grant through the Clermont County Soil and Water Conservation District. Working with **Stantec Consulting**, this fast-track project was designed, permitted and constructed in less than eight months, exceeding the expectations of the client and Ohio Department of Natural Resources, who oversaw the grant.

Bluegrass Station Stream Mitigation Project, Fayette County, Kentucky.

As part of this KYTC-funded project, Mr. Dawalt served as the Project Manager for the EcoGro/Ridgewater Team that provided the construction of over 6,000 linear feet of stream restoration on the Commonwealth of Kentucky's Bluegrass Station property. Mr. Dawalt coordinated with KYTC and other project stakeholders: Southern Conservation Corporation, and U.S. Fish and Wildlife Service, and Stantec Consulting. Mr. Dawalt worked closely with design engineer **Stantec Consulting** to implement in-field design changes to improve habitat and stream stability.

KDFWR - East Fork Little Sandy River Stream Restoration Project, McCormick Property, Lawrence County, Kentucky.

Mr. Dawalt was the Project Manager for the construction of this KDFWR/Finance Cabinet project, while with another firm. The project design was field modified by Mr. Dawalt under the direction of Mr. Bill Sampson (KDFWR) to be more successful by realigning the channel through a little used area of pasture field, correcting deficiencies in the stream profile, and replacing the grade control structures that were not applicable to a sand bed/bank stream with more appropriate native sandstone riffles. Instead of installing the wire mesh water gate at the cattle crossing that was designed (and that would catch trash and debris) Mr. Dawalt designed and constructed a new type of water gate that uses solid conveyor belts to keep animals out of the stream, while not catching debris. This new design has been

successfully used on several other projects by other design consultants. The success of the EFLSR project has helped pave the way for KDFWR efforts to restore several miles of stream upstream and downstream of this project.

Little Snake River Restoration Project, Slater, Colorado.

Mr. Dawalt worked for and was trained by Mr. David Rosgen of Wildland Hydrology on this project. It consisted of restoring 16 miles of stream from a degraded, over-widened channel into a premier trout fisheries habitat. At the time, it was the largest privately-funded stream restoration project in North America. Mr. Dawalt operated heavy equipment in the construction of this restoration project.

KDFWR - Left Fork Trace Creek Stream Restoration Project, Boyd County, Kentucky.

The KDFWR In-Lieu-Fee Program-funded project was administered by the Big Sandy RC&D. As Project Manager, Mr. Dawalt oversaw the design and construction of this *design-build* stream restoration project, which consisted of relocating and restoring 1350 linear feet of headwater stream in Boyd County, Kentucky. Mr. Dawalt worked closely with KDFWR and RC&D personnel throughout the conceptual and final designs, and permitting process, and he oversaw and implemented the construction.

Coca-Cola Bottle Rain Garden BMP, Lexington, Kentucky.

Mr. Dawalt was the design engineer and oversaw the construction of the #1 Rain Garden in the Bluegrass Rain Garden Alliance Program. The innovative components of this *design-build* project included treating up to 30,000 gallons of parking lot runoff per storm event using passive biofiltration, installing low-maintenance native vegetation, and using over 95% recycled or reclaimed materials in the construction. The project was a collaborative project between Coca-Cola Enterprises, Lexmark International, University of Kentucky, and EcoGro. It was a winner of a 2008 LFUCG Environmental Commission Award.

Pond Creek and Crooked Creek Stream Restoration Projects, Western Tennessee.

Working for the Tennessee Stream Mitigation Program while with another firm, Mr. Dawalt managed the relocation and restoration over 12,000 linear feet of channel to mitigate for the losses associated with new road and other construction. Mr. Dawalt assisted in the design and cost estimating, and oversaw, managed and provided quality control during construction. The *design-build* projects were performed in conjunction with **Stantec Consulting**.

Mill Branch Stream Restoration Project, Dewitt, Kentucky.

Approximately 1700 linear feet of stream was restored to improve habitat for the *federally threatened black side dace*, the first such project in the Southeastern United States done specifically for an endangered species. Mr. Dawalt was a research engineer on the project in conjunction with the Stream Institute of the University of Louisville, the U.S. Fish and Wildlife Service, the Kentucky Department of Fish and Wildlife Resources, and the Natural Resources Conservation Service. He served as Project Manager, oversaw the design implementation, and managed the construction of the project.

Lexmark Shady Brook Park Stream Bank Repair Project, Lexington, Kentucky.

Mr. Dawalt was the Project Manager for this *design/build* project to repair the eroding stream banks on reaches of Cane Run and the IBM Tributary on Lexmark's property. The project reduced sediment erosion and stabilized the banks by installing a native limestone rock toe, erosion control blanket and native wildflowers and grasses.

KDFWR - Mill Creek Stream and Wetlands Restoration Project, Lexington, Kentucky. Approximately 700 linear feet of stream was restored to improve habitat and water quality for the headwater stream on the property of Millcreek Elementary. Mr. Dawalt was a research engineer on the project in conjunction with the Stream Institute of the University of Louisville. The project was funded by the Kentucky Department of Fish and Wildlife Resources and the U.S. EPA. Other project partners included the US Fish and Wildlife Service, University of Kentucky Tracy Farmer Institute for Sustainability and the Environment, and Fayette County Public Schools. Mr. Dawalt prepared the conceptual plan, and with the Stream Institute, the design plans. He oversaw the design implementation and managed the construction of the project. This innovative project functions as an in-stream water quality/quantity BMP. It is the first project in the state of Kentucky to utilize an organic filter/limestone aquifer in the stream bed to remove nitrate nitrogen from stream base flow. It is also designed to reduce sediment loads, treat nutrients, and capture other pollutants such as metals, oils, and greases from the completely developed watershed in floodplain wetlands. *The project was awarded a 2010 Kentucky Environmental Quality Commission Award.*

Burroughs Hollow Stream Restoration Project, Jackson County, Tennessee.

Mr. Dawalt was the Project Manager for the *design/build* Burroughs Hollow stream restoration project for the Tennessee Stream Mitigation Program (TSMP) on a tributary to the Blackburn Fork, a state scenic river. It is approximately 940 linear feet of stream channel and riparian habitat restoration on Burroughs Hollow which is a first order tributary to Blackburn Fork. The restored stream channel has re-captured groundwater lost since it was historically relocated against the toe-of-slope and a levee was built to essentially "dry-up" the floodplain. Construction of riffle-pool sequences using native substrate material has improved aquatic habitat diversity. Riparian restoration efforts have established native trees and shrubs along the riparian corridor that provide a diversity of forest structure, wildlife forage value, filtering capacity, soil stability, and riparian habitat.

U.S. 27 Stream Mitigation Project, Alexandria, Kentucky.

Working for the Kentucky Transportation Cabinet while with another firm, Mr. Dawalt managed the relocation and restoration of over 3600 linear feet of channel to mitigate for the losses associated with the new road construction. Mr. Dawalt managed the construction and worked closely with the design engineer to make field changes to the design layout to improve the overall stream function. **Stantec Consulting** was the design engineer.

KDFWR - South Fork Currys Fork Stream and Wetlands Restoration Project, Oldham County, Kentucky. Mr. Dawalt was the project manager for this *design/build* project for the Stream Institute of the University of Louisville Department of Civil Engineering. It was funded by the **KDFWR Wetlands and Stream Mitigation Program**. The project restored approximately 3000 linear feet of main channel and tributaries to: improve aquatic and terrestrial habitat, establish a riparian buffer of native trees, shrubs, grasses and wildflowers, reduce sediment erosion and downstream sedimentation, improve water quality, and reduce adjacent house flooding.



Russ Turpin

Environmental Specialist / Operator

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Commercial Herbicide Operator, License #34670
Non-Commercial Pesticide Applicators Certification, License # 31755
Certified Erosion Prevention and Sediment Control, Level I, Tenn. Dept. of Environment and Conservation, Certification # 113835.

EDUCATION

Bachelor of Science, Environmental Studies: Geology, University of Tennessee at Chattanooga. GPA 3.0

PROFESSIONAL SUMMARY

Russ Turpin has been involved with nearly all of EcoGro's projects through conception, design, construction and maintenance. His primary responsibility has been running heavy equipment on stream mitigation projects. He also manages and oversees native plant restoration, weed control and on-going maintenance programs. In addition, he supports local water quality initiatives by providing education, outreach, technical assistance and volunteer labor for riparian plantings, rain gardens and other "Green" stormwater practices. Russ has also written several articles about his work and has given presentations to a variety of local organizations.

PROFESSIONAL POSITIONS HELD

Environmental Specialist / Operator - EcoGro, Lexington, Kentucky (2010-Present):

Mr. Turpin's primary responsibility is operating heavy equipment on stream restoration projects in Kentucky. He also manages and oversees native plant restoration, weed control and ongoing maintenance programs on a variety of locations. In addition, Mr. Turpin works to support local initiatives by providing education, outreach and technical assistance for watershed initiatives, rain gardens and other "Green" stormwater quality BMPs.

Extension Associate - University of Kentucky - Lexington, Kentucky (2009-2010):

This position was created to assist with the development of an Implementation Plan to carry out the Cane Run Watershed Plan, an EPA 319 funded program. Primary responsibilities included BMP implementation planning (identify implementation sites, schedule construction activities, review and develop construction plans), BMP implementation (perform or manage restoration activities, operate heavy equipment, identify plants for removal and installation, adhere to all applicable regulations and permits), BMP maintenance (routinely check BMP implementation sites, perform maintenance as needed, develop a maintenance schedule for sites). Additional technical responsibilities include soil, plant and water sample collection, analysis and record keeping. The education and outreach component entails conducting tours of BMPs, giving educational presentations as well as developing materials for publication.

Environmental Specialist / Foreman - EcoGro, Inc., - Lexington, Kentucky (2006-2009):

Installation crew Foreman for erosion controls and native plantings on numerous stream mitigation projects in Kentucky, Tennessee and Ohio. In addition, I operated heavy equipment and coordinated noxious weed controls as well as ongoing stewardship programs. Clients have included engineers, private landowners, industrial facilities, local governments, state agencies, and non-profit organizations. I also developed proposals, designs, estimates and contracts for



Russ Turpin

Environmental Specialist / Operator

various EcoGro projects. Created the company's website. Marketed and implemented erosion controls using bio-based systems in conjunction with various seeding and sediment control techniques. Certified Filtrexx ® Installer.

Survey Rodman - Joshua Bills, Professional Land Surveyor, Berea, Kentucky (2004-2006):
Survey crew and courthouse records researcher.

Natural Landscape Designer - Self-employed, Lexington, Kentucky (2004-2006):
Designed, installed and maintained residential gardens and landscapes, specializing in natural landscape design, Kentucky native plants, wildlife habitat restoration and organic materials.

Foreman - Johnson Lawnsapes, Lexington, Kentucky (2002-2005):
Comprehensive onsite training and supervision of a 2-5 man landscape installation and maintenance crew, developed the company's project tracking and work ledger system, assisted with scheduling and coordinating crew task assignments for weekly work plans, procured and inventoried supplies, and serviced trucks and equipment. Operated various types of heavy equipment.

Site Manager / Geologist - Maverick Environmental and Construction Services, Stanford, Kentucky (1999-2001): Field management of hazardous waste cleanup – Chicago, IL, Superfund site decontamination – Colby, KS, remediated contamination from underground storage tanks (USTs), composed UST site assessment and progress reports to State regulators, compiled cost tracking and billing statements for State auditors, generated a project status database, operated Geo-probe® direct push auger, collected soil and groundwater samples, and conducted groundwater monitoring program. Additional project management experience with site surveying and layout, generating CAD maps, reconciling design discrepancies, installing utility lines and setting concrete forms to grade specifications, as well as operating heavy equipment. As a construction crew leader, I wrote daily job reports, tracked performance directives, procured and inventoried materials and equipment as well as prepared timesheets.

Project Leader - Advanced Technologies International, Inc., Lexington, KY (1998-1999):
Conducted UST removal and remediation site investigations, assesses and scheduled soil and groundwater remediation activities, planned soil sampling and monitoring well installations, interpreted analytical data, communicated with clients and State regulators, obtained landfill and encroachment permits, composed progress reports, prepared field information packets and maintained a project tracking database.

Intern - Friends of North Chickamauga Creek Greenway, Chattanooga, TN (1997):
Evaluated use of an undeveloped section of greenway, assessed the feasibility of a new trail by visually surveying the land, mapped and marked a proposed trail, maintained existing trails, identified areas of exotic plant invasion and composed a project report.

Intern -Tennessee Department of Environment and Conservation, Department of Energy Oversight Division, Local Oversight Committee, Oak Ridge, TN (1996): Drafted the Division's annual status report to the public, wrote a summary on the impacts of privatization of DOE nuclear facilities and operations, attended State and federal hearings and public information sessions, and participated in local community outreach events.



Russ Turpin

Environmental Specialist / Operator

SPECIALIZED TRAINING

- 2/11 **Commercial Herbicide Operator**, License #34670.
- 2/10 **Vegetation for Restoring Ecosystems and Treating Stormwater** USDA Southern Regional Water Program, webinar.
- 9/10 **Watershed Institute**, Center for Watershed Protection.
- 6/09 **Non-Commercial Pesticide Applicators Certification**, License # 31755.
- 2/07 **Certified Erosion Prevention and Sediment Control, Level I**, Tenn. Dept. of Environment and Conservation, Certification # 113835.
- 9/06 **First Annual Regional Wetlands Restoration Institute**, USFS, Daniel Boone National Forest.
- 3/06 **CPESC Exam Review Workshop**, Louisville MSD & Certified Professional Erosion and Sediment Control.
- 3/05 **AutoCAD for Stream Restoration and Monitoring**, NCSU and UK, BAE Dept.
- 1/02 – 6/03 **Natural Resources Leadership Institute**, University of Kentucky.
- 11/99 **Standard First Aid & Adult CPR**, American Red Cross.
- 9/98 **OSHA HAZWOPER Certification**, 40 Hour training completed.

COMMUNITY ORGANIZATIONS

- 3/13 – Present **LFUCG Stormwater Stakeholder Advisory Committee**, Wolf Run Watershed Representative.
- 11/12 – Present **Wolf Run Watershed Council**, Member .
- 11/08 – Present **Bluegrass Rain Garden Alliance**, Steering Committee Member, Commercial / Professional Team Co-coordinator.
- 1/08 – Present **Bluegrass Partnership for a Green Community, Water/Stormwater Team**, Member.
- 12/07 – Present **Cane Run Watershed Council**, Member.
- 4/06 – Present **Friends of Wolf Run**, Member, Technical Advisory Committee.
- 5/02 - Present **Wild Ones Lexington Chapter**, Member.
5/02 – 12/06 Founding President.
- 6/03 – 6/07 **Kentucky Waterways Alliance**, Member.
- 8/01 – 8/04 **Kentuckians for the Commonwealth, Central KY Chapter**, Member.
- 5/02 – 6/04 Environmental Work Team Co-coordinator.
- 11/03 – 6/04 Land Reform Committee Representative.
- 1/02 – 1/04 **UK-LFUCG Arboretum Arbor Day**, Planning Committee Member.

PRESENTATIONS AND PUBLIC OUTREACH EVENTS

- 8/13 **Kentucky Stormwater Association**, estimating annual pollutant load reduction costs for stormwater BMPs.
- 5/13 **Floating Wetland Island**, launch event at McConnell Spring Park.
- 4/13 **McConnell's Trace Neighborhood Association**, greenway update.
- 4/13 **Mill Creek Elementary**, student stream cleanup.
- 3/13 **Kentucky Water Resources Annual Symposium**, estimating annual pollutant load reduction costs for stormwater BMPs.
- 2/13 **James Lane Allen Elementary**, practices to improve stormwater quality.
- 10/12 **Keep Lexington Beautiful**, Richmond Road riparian enhancement.



Russ Turpin

Environmental Specialist / Operator

- 10/12 **Kentucky Waterways Alliance**, Town Branch stream restoration.
- 9/12 **Bluegrass Rain Garden Alliance**, tour of Coca-Cola rain gardens.
- 1/12 **Cumberland River Compact**, Town Branch stream restoration.
- 8/11 **Cane Run Watershed Festival**, rain gardens and rain barrels.
- 8/11 **Coca Cola Stormwater Replenish Project**, rain garden design for stormwater management.
- 10/10 **Hoe and Hope Garden Club**, stormwater issues in Lexington.
- 9/10 **Royal Springs Middle School**, riparian buffer zones.
- 8/10 **UK FUSION**, stormwater education and service project in Green Acres neighborhood.
- 3/10 **Lexmark Sustainability Series**, Cane Run Watershed Project update.
- 2/10 **Bluegrass Home Learners Coop**, Cane Run watershed.
- 2/10 **Gardening Angels Garden Club**, discussion of native plants for landscaping.
- 1/10 **UK Energy Fair**, Watershed education activities for schoolchildren.
- 1/10 **Liberty Elementary School**, Science Fair judge.
- 1/10 **Soil Mates Garden Club**, native plants and water quality BMPs.
- 11/09 **Bluegrass Region, Federation of Kentucky Garden Clubs annual meeting**, rain gardens.
- 10/09 **Russell Cave Elementary 5th Graders**, 4H2O Water Ambassador Pilot Program.
- 9/09 **Mill Creek Elementary Creek Day**, macroinvertebrates and water quality indicators.
- 8/09 **Rain Day at Springhouse Gardens**, rain gardens, watersheds and water quality BMPs.
- 5/09 **KY Div. of Compliance Assistance, Green Infrastructure Series**, Bluegrass Rain Garden Alliance.
- 2/09 **Kentucky Water Resources Annual Symposium**, Bluegrass Rain Garden Alliance.
- 12/08 **UK, College of Ag., Invasive Species Conference**, using native plants in residential landscapes.
- 10/08 **Bluegrass Green Living and Energy Expo**, rain gardens and native plants along waterways.
- 4/08 **LFUCG Earth Day**, Coca Cola rain garden.
- 3/08 **Franklin County Cooperative Extension Service**, rain garden design and construction.
- 10/07 **Bluegrass Green Living and Energy Expo**, rain gardens and native plants along waterways.

PUBLICATIONS

- Streamside Buffer Zones***, University of Kentucky Cooperative Extension brochure, August, 2010.
 - Building a Rain Barrel***, University of Kentucky Cooperative Extension, publication HENV-201, July, 2010.
 - Low Maintenance Landscaping***, Kentucky Gardener. September, 2008.
 - Low-Maintenance, High-Impact Gardens; finding the balance between mankind and nature***. Kentucky Gardener. October, 2007.
 - Kentucky Favorites: Using native plants in the home landscape***. Kentucky Gardener. September, 2007.
 - Backyard Rain Gardens***. Kentucky Gardener. February, 2007.
 - Create a Scene with Evergreens***. Kentucky Gardener. April, 2005.
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Brad Redmon
Field Superintendent

PROFESSIONAL REGISTRATIONS:

KEPSC Qualified Inspector, License #120200833
TNEPSC Qualified Inspector, #124097

EDUCATION:

Associate in Science Degree, Bluegrass Community and Technical College, Lexington, Kentucky, 2011.

Associate in Applied Science Degree-Environmental Science Technology, Bluegrass Community and Technical College, Lexington, Kentucky, 2011.

• **PROFESSIONAL POSITIONS HELD:**

Field Superintendent - EcoGro, Lexington, Kentucky, (May 2012 – present). Mr. Redmon, as field superintendent, oversees daily construction activities of stream restoration construction projects. In this capacity, he couples his passion of fly-fishing for trout with his experience in the fields of stream restoration, construction project management, heavy equipment operation, erosion and sediment control inspection and compliance, and education in environmental science technology.

Erosion and Sediment Control Inspection and Compliance Officer - EcoGro (May 2012 – present). Mr. Redmon, with his background and training in environmental science and water quality sampling, is also responsible for the supervision of:

- EcoGro's SWPPP Management Program,
- SWPPP Document Development,
- BMP Installation and Maintenance.

Heavy Equipment Operator and Laborer - EcoGro (February - May 2012). Mr. Redmon started with EcoGro as a heavy equipment operator and laborer. As such he understands the practical side of construction. In this role he operated articulating off-road dump trucks, standard dump trucks, and skid-steers. He performed regular maintenance and repair on all machinery.

Environmental Technician / Intern - Friends of Wolf Run, Inc., Lexington, Kentucky (2011 – 2012). Mr. Redmon was responsible for performing conductivity studies, habitat assessments, water grab sampling and other related tasks for a section 319(h) Nonpoint Source Implementation Program Cooperative Agreement. Served as Conductivity Study Project Manager, including responsibility for field data collection (with GPS positioning), collection of data from other volunteers, QC of field data and compilation of field data into a combined report.

Lead Carpenter - ABC Builders, Bowling Green, Kentucky (2006 – 2009). Mr. Redmon's responsibilities included the framing of new construction homes.

Foreman- Redmon Construction, Inc., Bowling Green, Kentucky, (2000 – 2006). As part of a family owned business, Mr. Redmon's responsibilities included scheduling personnel and materials, communicating between clients, general contractors and subcontractors, production, and quality control.



Brad Redmon

Field Superintendent

SPECIALIZED TRAINING:

KEPSC Qualified Inspector for Erosion Prevention Sediment Control, 2012
Rosgen Level I – Applied River Morphology, Wildland Hydrology, 2013

EXAMPLES OF RELEVANT PROJECT EXPERIENCE:

KDFWR - Cove Spring Stream and Wetland Restoration Project, Frankfort, Kentucky.

Mr. Redmon served as the Field Superintendent on this KDFWR Wetlands and Stream Mitigation Program-funded project to restore 7,000 linear feet of stream, where he:

- Over-saw daily operations in the field.
- Communicated between the engineer, construction team and machinery operators, and sub-contractors.
- Laid out stream channel horizontal alignment.
- Performed grade layout to ensure elevations adhered to project design.
- Utilized knowledge and experience in stream ecosystems to create habitat and structures to meet project goals/design.
- Performed SWPPP inspections for Erosion and Sediment Control Compliance.

KDFWR - South Fork Curry's Fork Stream and Wetland Restoration Project, Oldham County, Kentucky. This University of Louisville Stream Institute project, funded by the KDFWR Wetlands and Stream Mitigation Program, consisted of over 3,000 linear feet of stream restoration and 60,000 cubic yards of floodplain excavation. Mr. Redmon served as Field Superintendent for the project. His responsibilities included:

- Layout of stream channel horizontal alignment.
- Grade layout of elevations for adherence to project design.
- Working with U of L engineers to ensure project met design intent.
- Communicating design to equipment operators.
- Operating articulating dump truck during excavation phase.
- Performing SWPPP inspections for Erosion and Sediment Control Compliance.

McConnells Trace Greenway Project, Lexington, Kentucky. This project was funded by the LFUCG Division of Water Quality and consisted of 1200 linear feet of stormwater channel restoration, a water quality sand filter/infiltration area, a greenway trail, and establishment of a vegetated riparian buffer of native grasses, wildflowers, and trees. Mr. Redmon performed the following:

- Operated heavy equipment during the construction of the channel and sand filter/infiltration area.
- Performed regular maintenance and repair on equipment.
- Performed concrete work while constructing storm sewer improvements.

Montessori Middle School of Kentucky Ecological Odyssey, Stream Restoration, Stormwater Improvement and Education Project, Lexington, Kentucky. Mr. Redmon served as the Field Superintendent for this project funded by the LFUCG Division of Water Quality. It consists of 900 linear feet of stream restoration, relocation of a storm sewer into a series of wetlands for stormwater and habitat improvement, rain garden construction, and establishment of a vegetated riparian buffer of native grasses, wildflowers, and trees.
