

## **PROJECT FINAL REPORT**

**Grant No.:** C9994861-10

**Workplan No.:** 10-11

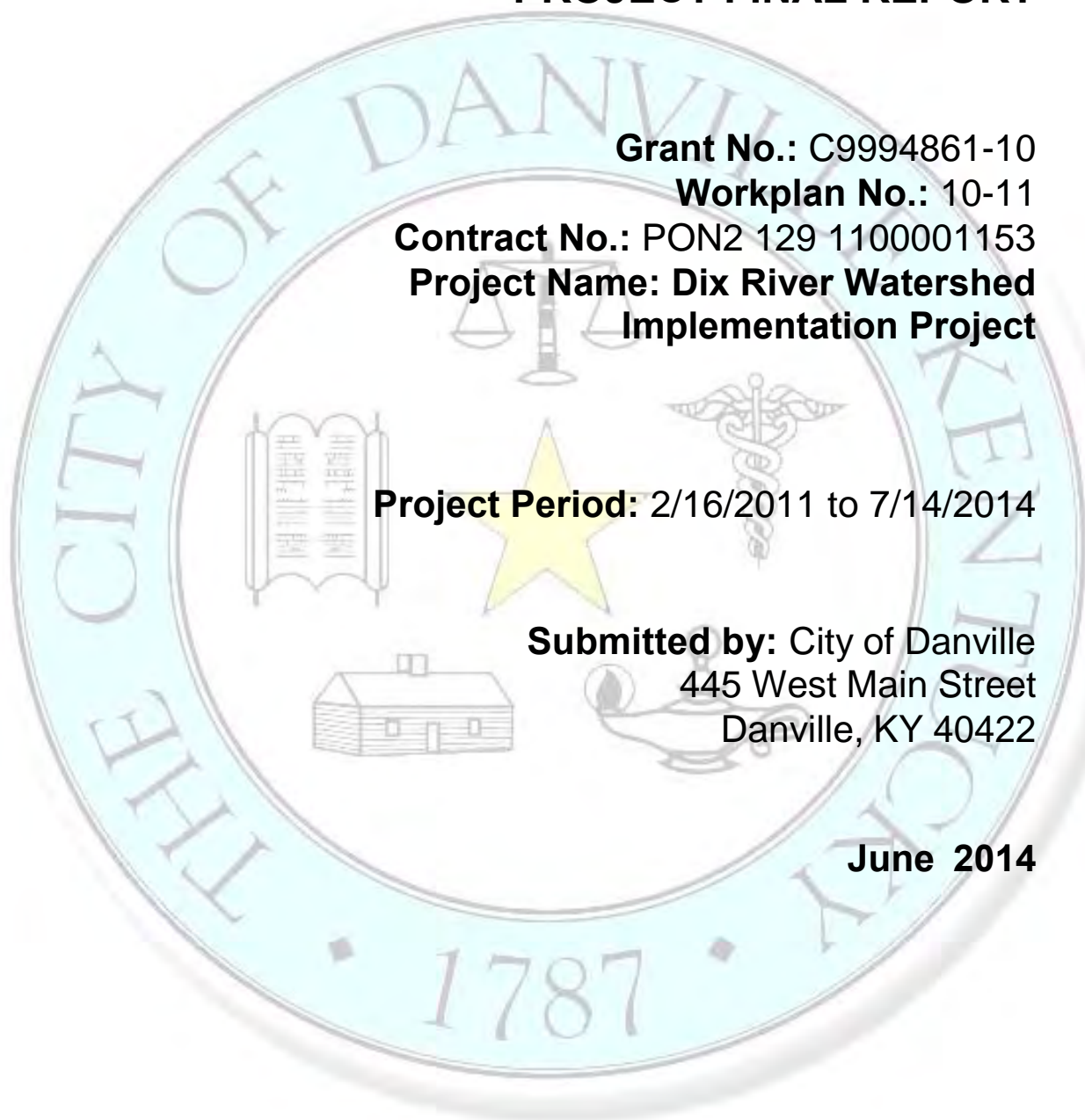
**Contract No.:** PON2 129 1100001153

**Project Name:** Dix River Watershed  
Implementation Project

**Project Period:** 2/16/2011 to 7/14/2014

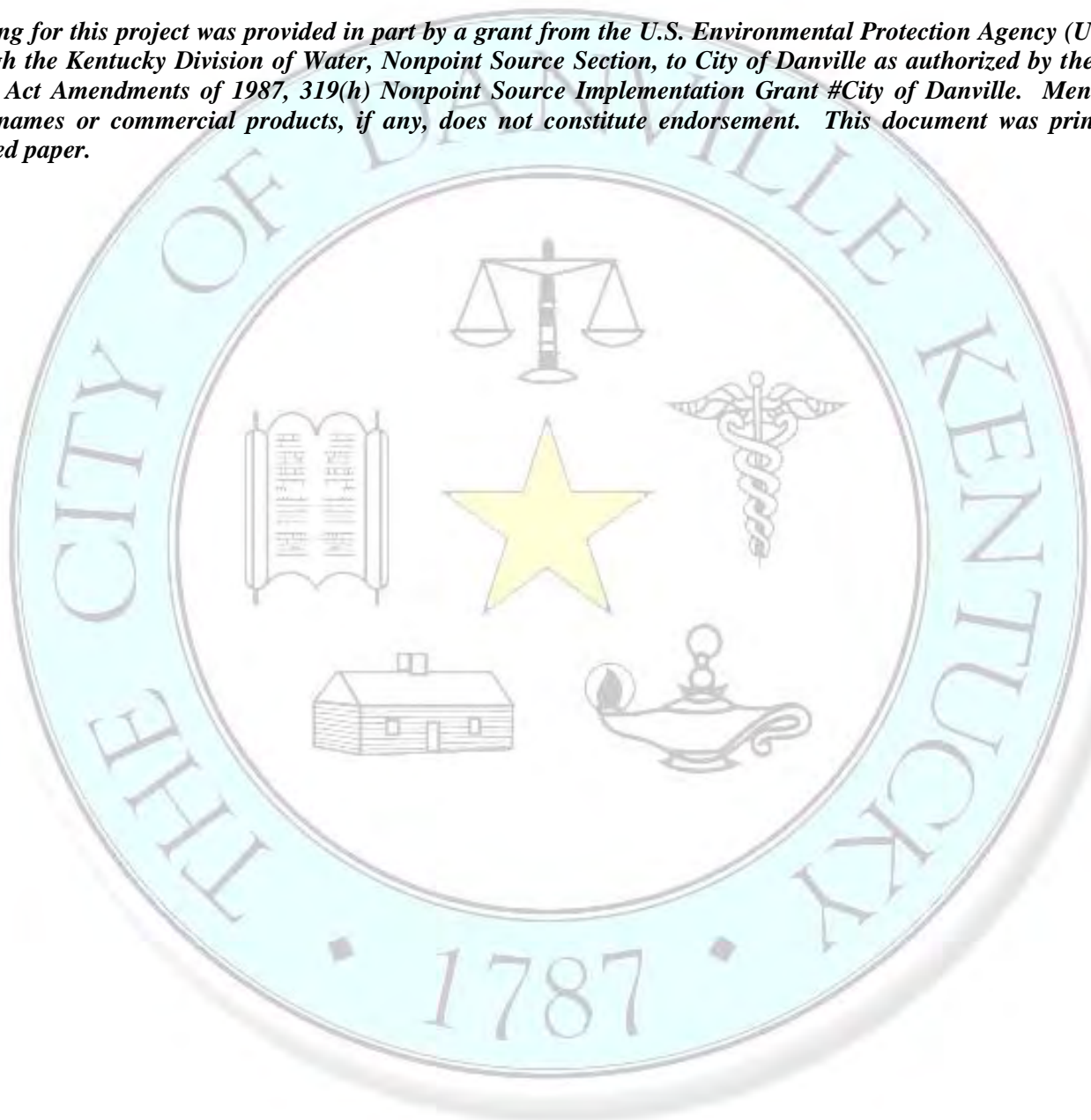
**Submitted by:** City of Danville  
445 West Main Street  
Danville, KY 40422

**June 2014**



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***Funding for this project was provided in part by a grant from the U.S. Environmental Protection Agency (USEPA) through the Kentucky Division of Water, Nonpoint Source Section, to City of Danville as authorized by the Clean Water Act Amendments of 1987, 319(h) Nonpoint Source Implementation Grant #City of Danville. Mention of trade names or commercial products, if any, does not constitute endorsement. This document was printed on recycled paper.***



**Project Final Report  
Project # 10-11**

**Section 319(h) Nonpoint Source Project Report**

**Attention: Nonpoint Source Pollution Control Program  
Kentucky Division of Water  
Department of Environmental Protection  
200 Fair Oaks Lane, 4<sup>th</sup> Fl  
Frankfort, KY 40601**

**ACKNOWLEDGEMENTS**

Support for this 319 Grant Project was received on this project from a variety of volunteers, citizens, companies, elected officials and others. We would acknowledge the following as participants in support of the KY Division of Water and City of Danville's Project goals. The contributions included the application of many unique resources and talents.

University of Kentucky Water Resources Research Institute

Mellissa McAllister, KY River Basin Coordinator

Bluegrass Pride/Bluegrass Greensource Inc.

Estes Engineering

CDP Engineers Inc.

Settles Backhoe Inc.

BG Excavating Inc.

Various property owners willing to donate easements.

Danville City Commission

Various City of Danville Staff Members

KY Division of Water Staff

## TABLE OF CONTENTS

### Project Final Report

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I. Executive Summary	pg 5
II. Introduction and Background	pg 7
III. Materials and Methods	pg 8
IV. Results and Discussion	pg 11
V. Conclusions	pg 17



**END OF INDEX**

## SECTION I – Executive Summary

Through the 319 (h) Grant Program the City of Danville and the Cabinet agreed to invest funding in the pursuit of water quality improvements via the reduction of nonpoint source pollution. The primary project goal with the funding was to correct failing onsite wastewater (septic) systems within the Clark’s Run and/or Hanging Fork sub-watersheds. The secondary goal was to improve water quality through the restoration and reforestation of urban riparian zones, establish a rain garden program, and improve education related to nonpoint source pollution.

Three significant areas within Clarks Run and Hanging Fork watersheds were identified as contributing to nonpoint source pollution via failing septic systems. First the City of Danville, with the support of United States Rural Development and the KY Department of Local Government, was able to provide public sanitary sewer service (project cost approximately \$2.5 million) to approximately 176 homes located in the southern portion of Boyle County and northern region of Lincoln County. The second area is identified as the Stanford Road area of Danville and is a sub-basin of the community in which public sanitary service was never established. This sub-basin contains residential and commercial property but most significantly one of the areas only “off-lake” campgrounds. Lastly a small area on the outskirts of Junction City containing residential properties was indentified. The Cabinet and the City agreed the installation of sanitary sewer access in the Stanford Road sub-basin was a priority and subsequently agreed in joint funding of a system extension into the basin with the 319 (h) program and local matching funds.

To address the second and third objectives identified by the Dix River Watershed Council the City and the UK Water Resources Research Institute identified an area located on Butler Drive in Danville where these stated goals could be achieved. Specifically the project would enable the mitigation of flooding on three properties, restore and reforest the riparian zones along the properties while managing downstream runoff. The project area was conceived as an area accessible to the public which would result in long-term opportunities for public education and outreach.

Working through the 319 (h) Grant Program the community established funding to achieve the goals identified. A consultant team was established for each project. The project team met with property owners to discuss the ideas and goals identified. Consensus was achieved and the projects moved forward. The project team provided a design, property acquisition occurred, and construction contracts established. The construction then moved forward with care and both projects were successfully completed. The first project extended public sanitary sewers into the Stanford Road area providing for the reduction of nonpoint source pollution by the elimination of septic systems serving ten structures and a campground with more than 30 hook-ups. Five of the structures and the campground were committed to connection by July 1st. The second project provides a long-term resource in the form of Butler Drive Park. The park enhanced and preserved approximately 475 feet of a tributary to Clarks Run and established the riparian zone habitat. A multi-use walking path was constructed to provide education and other activities along the tributary.

The City of Danville, local community, and Cabinet through the use of the 319 (h) Grant Program has accomplished stated goals and reduced nonpoint source pollution. The local projects have provided long-term education opportunities to identify nonpoint source pollution as a cause of water quality degradation within the Dix River Watershed. The Butler Drive Project has focused the community’s goals and has led to the planning of water quality education and BMP elements into an additional

park located on KY34 in front of the Danville Water Treatment Plant, to be installed once ongoing renovation of the facility is complete. Through partnerships with civic groups, local organizations, the City and the Cabinet some 200 septic systems have been eliminated within the last 4 years in watersheds contributing to the Dix River.



## SECTION II – Introduction and Background

In 1998, the Dix River Watershed was selected by the Kentucky Division of Water and the Natural Resources Conservation Service for the development of a Clean Water Action Plan. Using supplemental federal 319 funding, the watershed was intensely sampled between 2006 and 2008, and a Dix River Watershed Council was formed to assist in the interpretation of the sampling results. The sampling results served as the basis for Watershed-Based Plans for the Clark's Run and Hanging Fork Subwatersheds of the Dix River Watershed, which were jointly developed by the Watershed Council, the Division of Water, and Third Rock Consultants.

The efforts of the Dix River Watershed Council in partnership with the University of Kentucky Water Resources Research Institute, local partners, the City, the Cabinet and Third Rock Consultants established projects to reduce nonpoint source pollution in the watershed through the reduction in the number of septic systems and the repair of riparian zones.

Lake Herrington is sustained with surface water through the Dix River Watershed. This lake serves as the primary drinking water supply for all or part of five counties in Central Kentucky. As such the maintenance of water quality entering this lake has been a local concern for many years. The City has had a sustained effort for years to improve surface water quality entering the lake. While the local community has contributed millions of dollars into the improvement of water quality, the effort has been supported by the state government through the allocation of substantial grant dollars. Thus far the City of Danville, local groups, and state and federal agencies have installed miles of trunk lines and upgraded pumping stations inside both the Clark's Run and Hanging Fork Watersheds. This has improved water quality substantially and visible improvements to streams such as Ball's Branch (tributary to Clarks Run) are obvious. The work has occurred in multiple stages and began with the City of Danville assuming control of the Junction City Utility System in 2004-2005. The first major project was the Ball's Branch Trunk Line extension which replaced in whole the collection and transfer of sanitary sewer from the southern portion of Boyle County to the treatment plant in Danville. The second project extended sanitary sewer service into a portion of Lincoln County, along Airport Road just outside of Junction City, and eliminated over 175 septic systems. With the completion of these major projects smaller subprojects have been singled out and the 319 Grant described herein provided funding for Phase I of this continued effort.

The work completed so far has been substantial and all parties associated with these projects have moved with the single goal in mind, improvement to the watershed. With continued joint-effort long-term success is inevitable and permanent BMP's managing nonpoint source pollution will improve water quality.

### SECTION III – Material and Methods

The goal of the current project phase was to target the identified water quality pollutants by accomplishing three main objectives; address septic system failures to reduce in-stream pathogen levels, reduce storm-related flashiness, expand riparian buffer zones within an urbanized area of the City of Danville (a Phase II MS4-permitted community), and provide watershed-wide education on the identified water quality issues and management recommendations.

The first step was to identify the areas of the watersheds most affected by septic pollution. A review of the City of Danville Mapping was reviewed to discover potential locations. Figure 1 shows the service area identified.

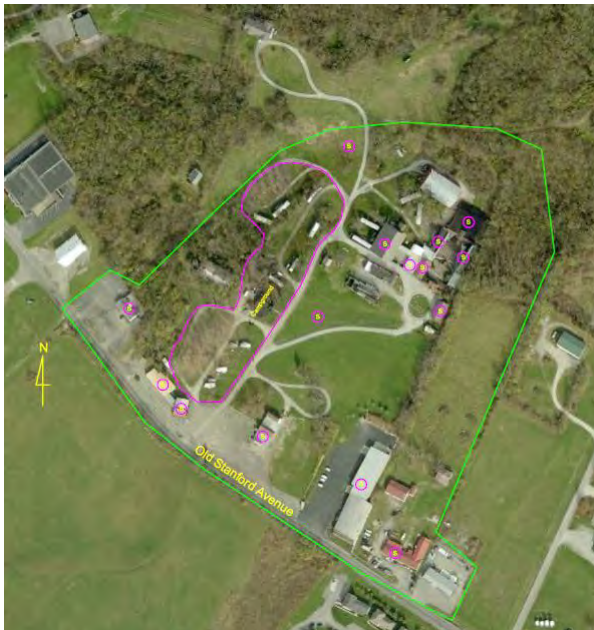


**Figure 1:** Danville Sanitary Sewer

Map.

The mapping illustrates very clearly the section along Stanford Avenue with no public sewer as of 2008. The sanitary lines are green in the Figure and are clearly non-existent in the area of concern. We then overlaid this location with aerial mapping to identify structures as shown in Figure 2. The extended service area identified contains 21.5 Acres and will contain new connections identified on the map as “S”, these are the BMP locations. Several of these structures are multi-units including several which contains apartments. We have identified the campground which currently utilizes a septic field. In order to accomplish the elimination of these dysfunctional septic systems the grant funded the installation of roughly 1950 feet of sanitary sewer lines.





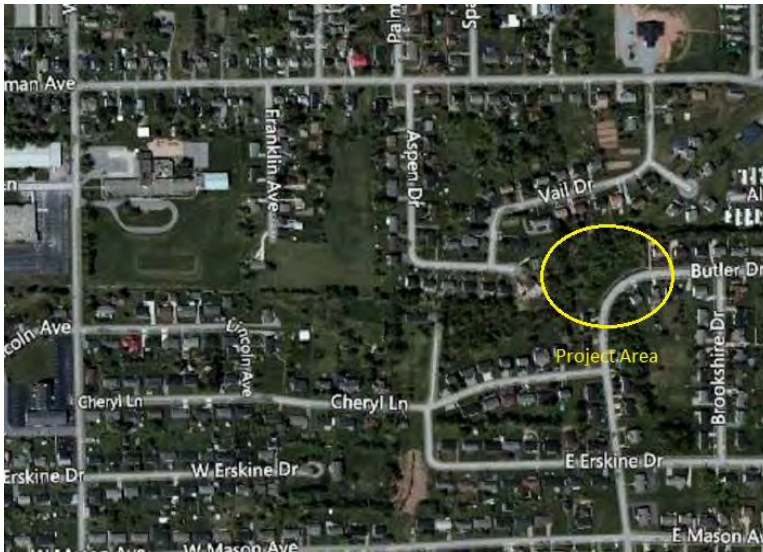
**Figure 2:** Expanded Service Area

An obvious opportunity to reduce nonpoint source pollution is illustrated with this evaluation. The property owners were then approached with the support of the UK Water Resources Research Institute, Mellissa McAllister. Issues related to nonpoint source pollution were presented. The discussion provided immediate buy-in from the citizens located within the project area as the potential to improve this environment was obvious.

The project area identified is not unique to central Kentucky. It contains limestone topography with sinkholes and immediate access into the groundwater system and surface water system of pollutants from any failing septic system or surface pollution. This knowledge coupled with the density of septic systems, a substantial RV camping ground lies within the service area, provided clear direction to project planners.

To achieve the secondary goals of the grant project the project team conducted a thorough review of the tributaries along Clark's Run. Site visits were made along with a review of previous sub-basin reports completed by CDP Engineers. The site of the potential restoration efforts was identified and then further evaluated. The location of the site relative to Hogsett Elementary School allows future education opportunities to occur. The project team met with the property owner and buy-in was immediate again.

Figure 3 illustrates the location of the project area. The project included the removal of invasive species located along the tributary and reforestation of native species which were sustainable. A trail system was installed, rain gardens, permeable parking lot pavers, and other water quality features. Flooding will be permitted to naturally occur on the site and therefore provide relief downstream. Once property acquisition occurred the project was completed. In total the natural area park will consist of 1.18 Acres and be open for public access year round.



**Figure 3: Butler Drive Park Project**

As mentioned earlier, the City is currently renovating the Danville Water Treatment Plant to ensure drinking water supply and compliance with improved drinking water standards. A large portion of the project is necessary due to compliance issues generated from the management of organics contained in Lake Herrington. As a necessity of construction, a highly successful playground was closed. Rather than the long-term storage of the equipment which often results in non-working equipment, the City was able to reuse the equipment at the Butler Drive Park immediately. This saved money on the Butler Drive project and resulted in a completed park as the funding was insufficient to acquire new playground equipment. As a side benefit, the City will redesign the plant park so that class rooms can visit the plant and park. The new layout for the plant park will contain specific features to enable education of issues related to nonpoint source pollution and the cycle of water.

Other BMP's were employed to achieve additional project goals including rain gardens and rain barrels. In total 4 minor rain gardens were installed along with 8 rain barrels. These BMPs were installed along the same tributary as the Butler Drive Park. Fortunately, the City had completed a flood mitigation project along the West Jefferson Ave. neighborhood the previous year. The BMP installation then provided a complete understanding of the water issues facing our community and served to highlight the water quality issues linked to higher volumes of surface runoff. See Fig 4.

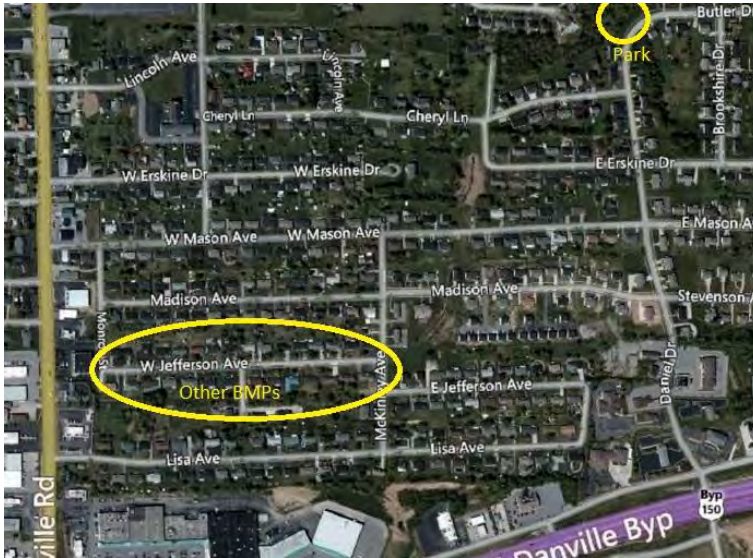


Figure 4: Other BMP installation

neighborhood.

The opportunity to develop and install other BMP's for the W. Jefferson neighborhood provided unique public education and outreach opportunities. City staff worked with the property owners and other neighbors to plan and install rain gardens. Effort was made to make the rain garden construction an open process for neighbors to ask questions and observe. The rain barrel installations were made with the same process in mind. City staff discussed these opportunities or partnerships at public meetings and invited citizens to review these installations. The rain garden projects were discussed at several City Commission meetings, which were televised on local television. In addition City staff presented the ideas of Water Quality BMP's in our discussions related to the water treatment plant.

We met with the general public on four occasions to discuss the planned improvements to the municipal owned drinking water treatment plant. At these meetings we discussed in detail the importance of managing surface water runoff. We particularly discussed how non point source pollution had a negative impact on treatment costs as well as other negative water quality impacts.

A field day was conducted on April 21<sup>st</sup> 2012 to present the rain gardens to the community. We considered this event well attended along with the Community Field Day held this spring at the Butler Drive Park, May 31<sup>st</sup>. Overall the City has contributed substantial effort to inform the citizens living within the area of town located in Figure 4 of water quality issues. We believe this area is now our most knowledgeable and the most pro-active in town, as it relates to surface water quality. This neighborhood is divided by a tributary of Clarks Run Creek. This tributary is the receiving water of the commercial area along the South Danville Bypass and HWY 127 (Hustonville Road) as shown in the Figure.

## SECTION IV – Results and Discussion

The City believes the 319 Grant Program expenditure along with local match investment has resulted in a sustainable improvement to the community and improved water quality for Clarks Run. In addition real world education opportunities now exist which will enable field trips from local schools as well as local field day events. Sanitary sewer service is now available in an area previously not served. The following pictures are shown of the completed Butler Drive Park. This park project included the removal of invasive species located along the tributary and reforestation of native species which are sustainable. A trail system was installed, rain gardens, permeable parking lot pavers, and other water quality features.



Photo 1: Park Sign



Photo 2: Park Overview



Photo 3: Re-used Playground



Photo 4: Playground

setting/access, permeable pavers



Photo 5: Nature Trail access,

permeable pavers



Photo 6: Nature Trail



Photo 7: Nature Trail



Photo 8: Park Overview

Long-term water sampling will be necessary to reveal the magnitude of changes to water quality resulting from efforts to eliminate nonpoint source pollution in the Hanging Fork and Clarks Run watersheds thus far. Again, by July 1<sup>st</sup> 2014 the broad effort has eliminated or will eliminate more than 200 failing septic systems within Boyle County. For the Stanford Road portion of this project, we have six structures that have agreed to be removed from septic systems by this date. The campground will also be removed.

Public Education included significant outreach to school age children through field days or direct involvement with the local schools. This information includes:

- CREEC Tree Planting Day 4/9/11 -15 participants
- Arts for Kids Day Camp – 16 campers received Environmental Stewards certificate
- Stars Camp – 60 campers
- Danville Montessori School – classroom exercises, 160 student contacts (two rain barrels provided to the school)
- Woodlawn Elementary Science Night – 65 Students with families
- Woodlawn Elementary – classroom activities, 520 student contacts
- April 26<sup>th</sup> – awarded 90 Environmental Stewardship certificates to Woodlawn students
- May 9<sup>th</sup> – awarded 40 Environmental Stewardship certificates to Danville Montessori students

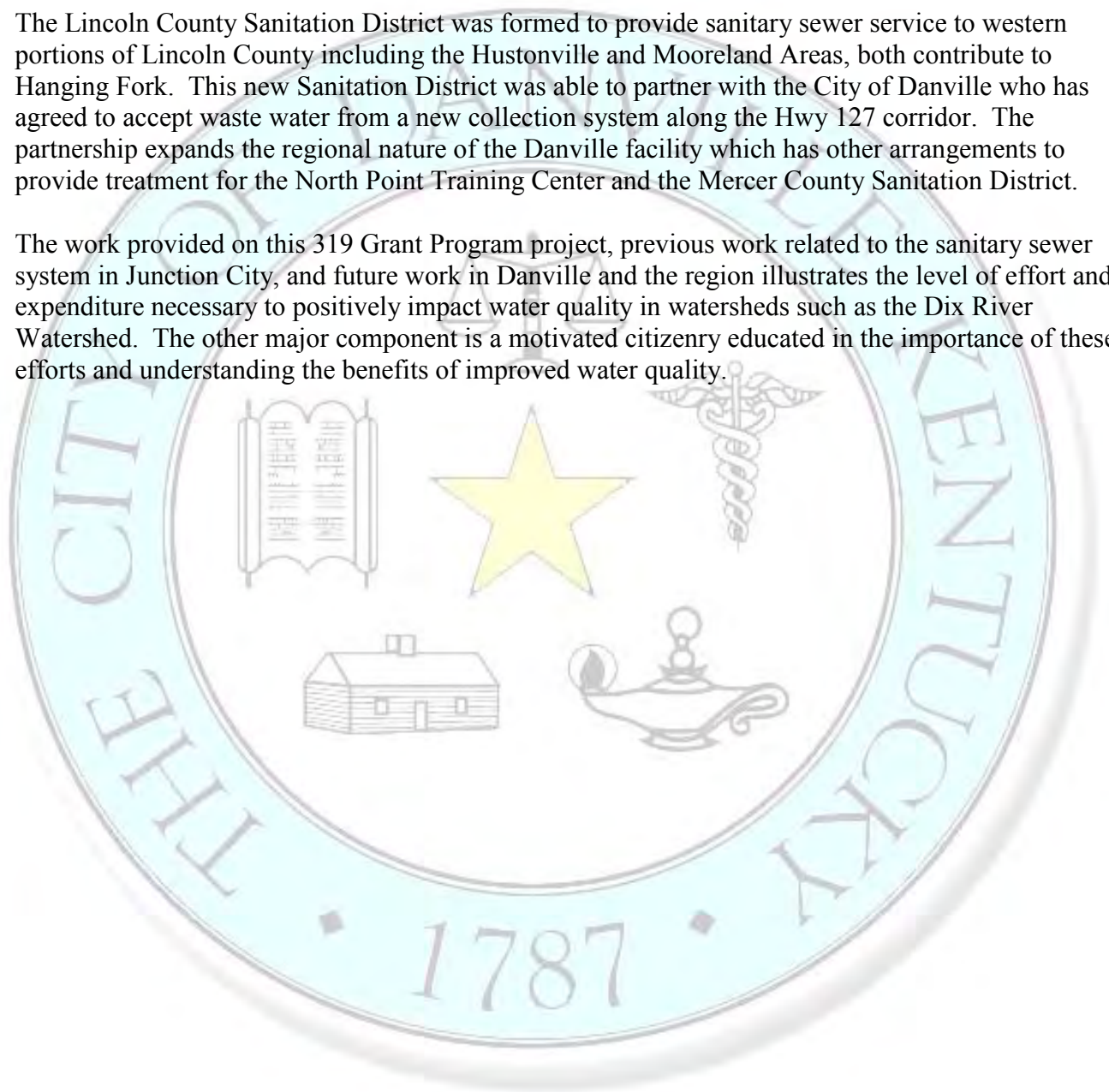
While individual projects seem to have limited impact the totality of effort since 2004 has altered the pollutant levels entering the water system. The City will continue to monitor Clarks run along with local concerned groups. A broader effort will be necessary to monitor the Hanging Fork watershed. We would expect these evaluations to continue with public participation which will focus understanding of water quality and the negative impacts of nonpoint source pollution.



The City will be contracting with a consultant in 2014 to begin the evaluation of two sub-basins within the jurisdiction of the MS4 community. One sub-basin will be a minor tributary to Clarks Run. The other will be a tributary to the Spears Creek Watershed of Lake Herrington. The work will entail the installation of BMP's related to water quality and analysis of existing structures and storm water features. The City is also acquiring a new TV inspection system to be used in sanitary sewer lines and storm water pipes. Minor watersheds contributing to Clarks Run will greatly benefit from the analysis and investigation.

The Lincoln County Sanitation District was formed to provide sanitary sewer service to western portions of Lincoln County including the Hustonville and Mooreland Areas, both contribute to Hanging Fork. This new Sanitation District was able to partner with the City of Danville who has agreed to accept waste water from a new collection system along the Hwy 127 corridor. The partnership expands the regional nature of the Danville facility which has other arrangements to provide treatment for the North Point Training Center and the Mercer County Sanitation District.

The work provided on this 319 Grant Program project, previous work related to the sanitary sewer system in Junction City, and future work in Danville and the region illustrates the level of effort and expenditure necessary to positively impact water quality in watersheds such as the Dix River Watershed. The other major component is a motivated citizenry educated in the importance of these efforts and understanding the benefits of improved water quality.

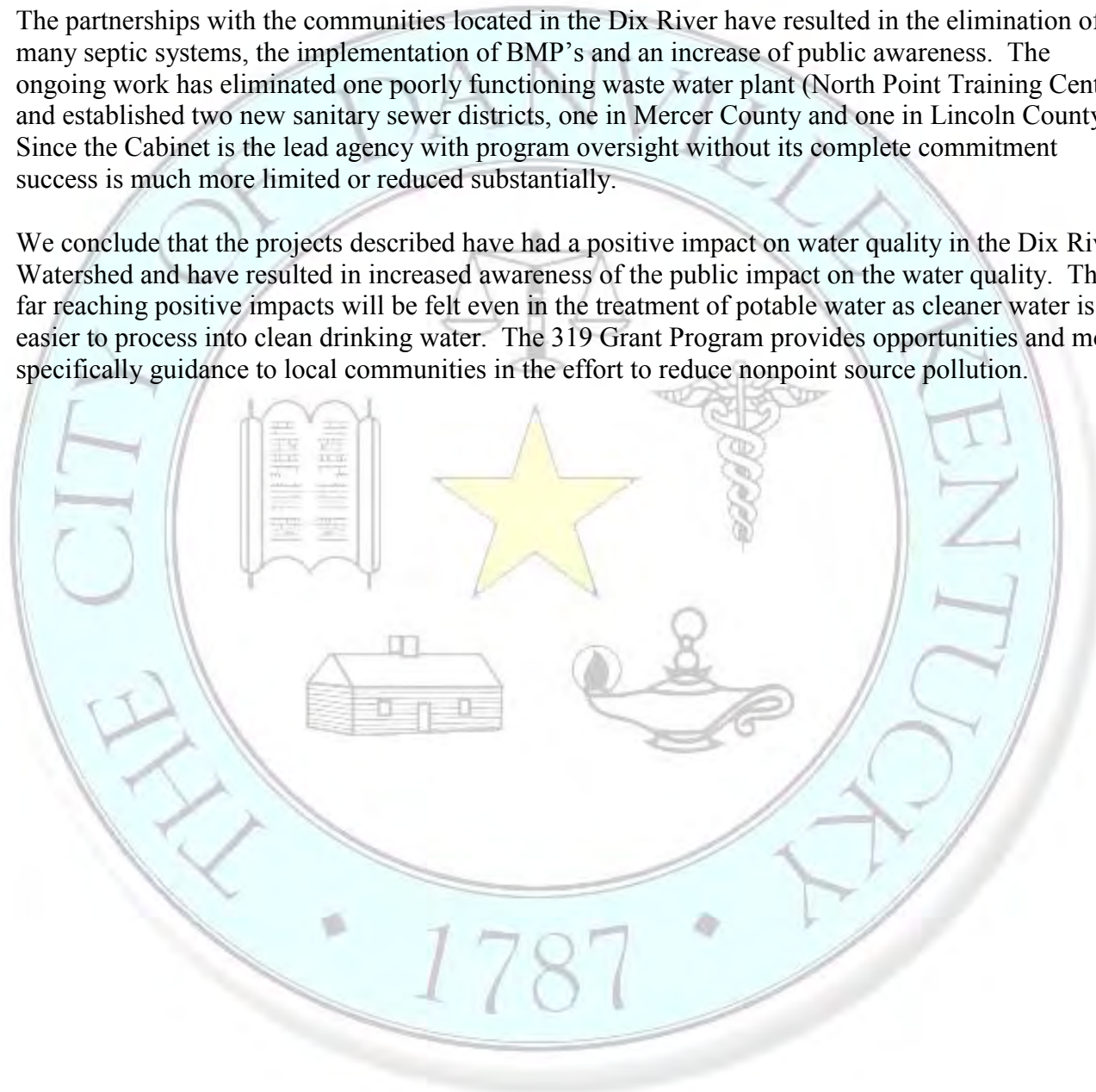


## SECTION V – Conclusion

The Commonwealth of Kentucky, Energy and Environment Cabinet, Department of Environmental Protection, Division of Water (Cabinet) is charged with the implementation of the Kentucky Nonpoint Source Management Program as required by Section 319 of the Federal Clean Water Act Amendments of 1987. As part of the implementation the Cabinet has chosen to partner with local communities in an effort to reduce nonpoint source pollution.

The partnerships with the communities located in the Dix River have resulted in the elimination of many septic systems, the implementation of BMP's and an increase of public awareness. The ongoing work has eliminated one poorly functioning waste water plant (North Point Training Center) and established two new sanitary sewer districts, one in Mercer County and one in Lincoln County. Since the Cabinet is the lead agency with program oversight without its complete commitment success is much more limited or reduced substantially.

We conclude that the projects described have had a positive impact on water quality in the Dix River Watershed and have resulted in increased awareness of the public impact on the water quality. The far reaching positive impacts will be felt even in the treatment of potable water as cleaner water is easier to process into clean drinking water. The 319 Grant Program provides opportunities and more specifically guidance to local communities in the effort to reduce nonpoint source pollution.



**ATTACHMENT A**

**Project # 10-11**

**Section 319(h) Nonpoint Source Project Progress Report**

**Reporting Period:** 10/1/12 to 3/30/13      **Grant No:** C9994861-10      **State:** Kentucky

**Project Name:** Dix River Watershed Implementation

**Contractor:** City of Danville

**Budget Period Start Date:** 2/16/2011 **End Date:** 6/30/2014      **Federal amount:** \$200,460  
**Total Project Cost:** \$334,100

**Expended this Period:** \$153,782.80      **Total Expenditures to Date:** \$354,518

**Waterbody/Watershed Identification:** Kentucky

**NPS Category:** WBP Implementation and education

**Purpose Statement:** This watershed implementation project will begin the implementation of recommendations detailed in the Watershed-Based Plans for Clark’s Run and Hanging Fork, as well as build capacity for continuing watershed improvement in the greater Dix River Watershed.

**City of Danville’s Milestones**

Milestone	Expected Begin Date	Expected End Date	Actual Begin Date	Actual End Date
1. Submit all draft materials to the Cabinet for review and approval.	Duration			
2. Submit advanced written notice on all workshops, demonstrations, and/or field days to the Cabinet.	Duration			
3. Submit Annual Reports and/or participate in the Cabinets sponsored biennial NPS Conference.	Duration			
<b>Milestone Schedule (Goal #1 – Onsite Wastewater Project)</b>				
4. Consider potential remediation sites for septic systems	December 2010	March 2011	February 2011	May 2011
5. Develop <i>BMP Implementation Plan for Onsite Wastewater Project</i> and submit to KDOW for approval	February 2011	May 2011	April 2012	
6. Develop homeowner interest survey for septic repair/replacement and educational flyer and submit draft to KDOW for approval	March 2011	April 2011		
7. Mail septic education and project interest flyer	May 2011	June 2011		

8. Identify and prioritize septic remediation/replacement project site(s)	June 2011	October 2011	May 2011	August 2011
9. Perform septic soil and site evaluations	Sept 2011	Dec 2011		
10. Septic system repair/replacement	Dec 2011	June 2012	<b>Dec 2012</b>	
11. Ongoing septic system educational efforts	Jan 2011	Dec 2013	March 2011	
12. Ongoing assistance and support for sewerage grant/loan applications within the project area	Jan 2011	June 2013	March 2011	

**Milestone Schedule (Goal #2 - Stormwater Management Project)**

13. Develop <i>BMP Implementation Plan for Stormwater Management Project</i> and submit to KDOW for approval	Dec 2010	Feb 2011	February 2011	May 2011
14. Determine neighborhood rain garden locations	March 2011	July 2011	August 2011	November 2011
15. Determine candidates for rain barrel locations(10)	March 2011	July 2011	August 2011	November 2011
16. Pursue conservation easement and/or land donation for stream and wetland preservation site	June 2011	August 2011	September 2011	April 2012
17. Topographic survey of rain garden locations	August 2011	August 2011	October 2011	November 2011
18. Write conservation or deed language for enhancement site and submit to KDOW for review and approval	August 2011	Sept 2011	January 2012	March 2012
19. Rain barrel installation	August 2011	October 2011	November 2011	December 2011
20. Rain garden designs (5)	August 2011	Sept 2011	October 2011	November 2011
21. Submit advanced written notice to KDOW for Rain Garden installation Field Day date	October 2011	October 2011	March 2012	March 2012
22. Obtain stormwater enhancement project property or easement	October 2011	Dec 2011	April 2012	May 2012
23. Rain garden installation	October 2011	Nov 2011	April 2012	April 2012
24. Rain Garden installation Field Day	Nov 2011	Nov 2011	April 2012	April 2012
25. Site Assessment and field reconnaissance of preservation area	Dec 2011	Jan 2012	March 2012	May 2012
26. Preservation area design (wetlands, stream preservation and trail) and permitting	Jan 2012	March 2012	May 2012	September 2012
27. Wetland Construction/Planting Field Day	May 2012	May 2012		May 2014
28. Stream Preservation construction	May 2012	June 2012		June 2013
29. Submit advanced written notice to KDOW with date for Enhancement Field Day	May 2012	May 2012		
30. Enhancement BMP Installation Field Day (Permeable pavers, native riparian zone plants, and educational playground	June 2012	June 2012		May 2013

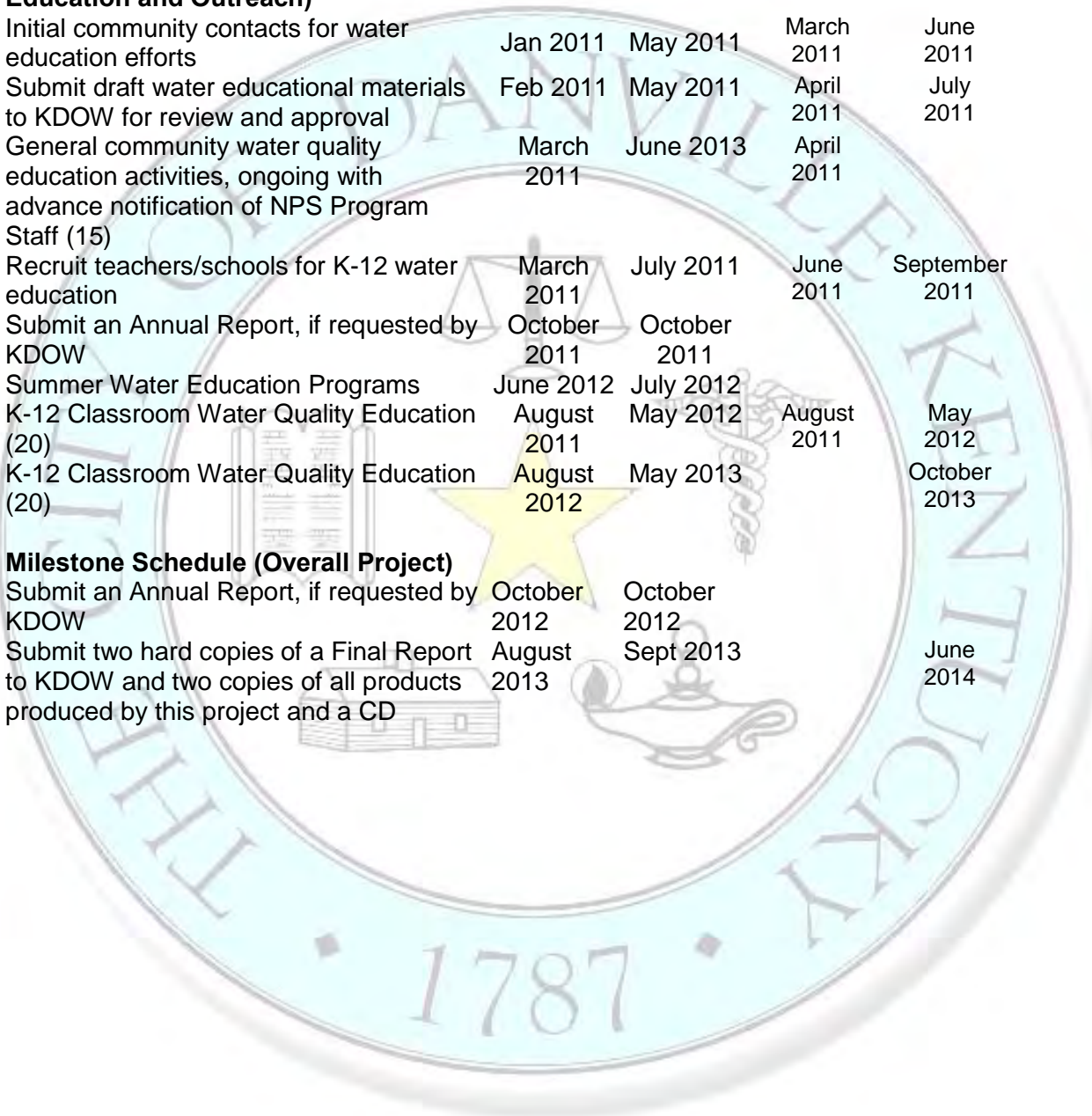
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- |                                                        |           |             |  |             |
|--------------------------------------------------------|-----------|-------------|--|-------------|
| 31. Installation of preservation area trees and shrubs | Dec 2012  | Jan 2013    |  | Sept 2013   |
| 32. Stormwater Project maintenance                     | July 2012 | August 2013 |  | August 2013 |
| 33. Final Field Day                                    | Sept 2013 | Sept 2013   |  |             |

**Milestone Schedule (Goal #3 – Education and Outreach)**

- |                                                                                                                       |              |              |             |                |
|-----------------------------------------------------------------------------------------------------------------------|--------------|--------------|-------------|----------------|
| 34. Initial community contacts for water education efforts                                                            | Jan 2011     | May 2011     | March 2011  | June 2011      |
| 35. Submit draft water educational materials to KDOW for review and approval                                          | Feb 2011     | May 2011     | April 2011  | July 2011      |
| 36. General community water quality education activities, ongoing with advance notification of NPS Program Staff (15) | March 2011   | June 2013    | April 2011  |                |
| 37. Recruit teachers/schools for K-12 water education                                                                 | March 2011   | July 2011    | June 2011   | September 2011 |
| 38. Submit an Annual Report, if requested by KDOW                                                                     | October 2011 | October 2011 |             |                |
| 39. Summer Water Education Programs                                                                                   | June 2012    | July 2012    |             |                |
| 40. K-12 Classroom Water Quality Education (20)                                                                       | August 2011  | May 2012     | August 2011 | May 2012       |
| 41. K-12 Classroom Water Quality Education (20)                                                                       | August 2012  | May 2013     |             | October 2013   |

**Milestone Schedule (Overall Project)**

- |                                                                                                                       |              |              |  |           |
|-----------------------------------------------------------------------------------------------------------------------|--------------|--------------|--|-----------|
| 42. Submit an Annual Report, if requested by KDOW                                                                     | October 2012 | October 2012 |  |           |
| 43. Submit two hard copies of a Final Report to KDOW and two copies of all products produced by this project and a CD | August 2013  | Sept 2013    |  | June 2014 |



## STATUS OF THE CITY OF DANVILLE'S MILESTONES

Provide a brief sentence or two explaining the progress of each milestone. Add onto the information each quarter and **bold** the new information so it is obvious what work has been completed.

- 1.) All draft material has been submitted to the Cabinet for review
- 2.) All notices have been sent to the Cabinet concerning workshops
- 4.) Several potential septic system remediation sites were considered including three locations in the City of Danville and a location in Boyle County
- 5.) The BMP Implementation Plan will be developed once the final site is chosen for the septic system remediation project
- 8.) A single location was chosen out of the sites considered for septic system remediation on Stanford Avenue in Danville that has several commercial businesses including a camp site that are currently on septic that can be connected to the City sanitary sewer system at a reasonable cost
- 10.) The Septic System Remediation project is designed and being sent to the Division of Water for approval. **The Sanitary Sewer Line was installed December 2012.**
- 11.) A representative of the Dix River Watershed Council has made two presentations in Lincoln County discussing the issues with Septic Systems
- 12.) Representatives of the Dix River Watershed Council have assisted in the pursuit of funding for the Lincoln County Sanitary District
- 13.) CDP Engineers completed the BMP Implementation Plan and submitted it to the Cabinet for review and approval
- 14.) Letters have been sent to all residents in the project area requesting interested parties to contact the City if they would like a rain garden, a deadline was set for October 7<sup>th</sup> and a meeting will be held October 18<sup>th</sup>. The rain garden locations have been determined and specific locations have been identified
- 15.) Letters have been sent to all residents in the project area requesting interested parties to contact the City if they would like a rain barrel, a deadline was set for October 7<sup>th</sup> and a meeting will be held October 18<sup>th</sup>. The rain barrel locations have been determined and specific locations have been identified
- 16.) The City is currently having appraisals completed on the potential properties, at which time the property owners will be notified to determine interest. Appraisals have been completed and the City is awaiting confirmation from the State on the official market value. The City Commission has approved staff to move forward on the purchase of the properties at the appraised value
- 17.) The topographic surveys have been completed for the rain gardens and the construction plans have been finalized
- 18.) Conservation language has been approved by the Division of Water and will be included in the deed documents
- 19.) Eight of the ten rain barrels have been installed, the City is still awaiting confirmation from property owners on the remainder
- 20.) Rain garden design has been completed by CDP Engineers
- 21.) Advanced notice of the Rain Garden Field Day was sent to the Division of Water and approved
- 23.) Four Rain Gardens have been installed by City staff and planted
- 24.) Rain Garden Field Day was held on April 21<sup>st</sup>
- 25.) CDP Engineers completed the site evaluation
- 26.) CDP Engineers completed the preservation site design and has received all necessary approvals
- 34.) Bluegrass PRIDE has made initial contact with possible teachers to coordinate project
- 35.) Bluegrass PRIDE has sent the draft materials to the DOW and they have been approved
- 36.) Bluegrass PRIDE has begun the educational activities, see attached report from Bluegrass PRIDE
- 37.) Bluegrass PRIDE has begun the recruitment process for teachers and conducted several meetings
- 38.) Playground construction completed by Danville May 23<sup>rd</sup>, 2014.**
- 39.) Community Field Day for Butler Drive Park May 31<sup>st</sup>.**
- 40.) Sewer Hook-up required and enforceable on August 18<sup>th</sup> 2014. Connections already occurring.**
- 41.) Final Project Report 7/14/2014**

**PREPARED by:**  
 Erica Engle, City Engineer's Office

7/11/2014

**INVOICE**  
**Project 10-11**

**Section 319(h) Nonpoint Source Project**

Reporting Period: 4/1/13 to 6/30/14

Grant #: C9994861-10

Project Name: **DIX RIVER WATERSHED IMPLEMENTATION**

Contractor: **CITY OF DANVILLE**

**Remit to address: P.O. Box 670, Danville, KY 40423**

**BILLING THIS PERIOD:**

Budget Categories	319(h) Dollars	Match	Total
Personnel		\$10,676.60	\$10,676.60
Supplies		\$6,418	\$6,418
Equipment		\$4,775	\$4,775
Travel			
Contractual	\$54,876	\$74,537	\$129,413
Operating Costs		\$2,500	\$2,500
Other			
<b>TOTAL:</b>	<b>\$54,875.97</b>	<b>\$98,906.83</b>	<b>\$153,782.80</b>

**REIMBURSEMENT AMOUNT = \$54,875.97**

**CUMULATIVE BILLING:**

Budget Categories	319(h) Dollars	Match	Total
Personnel	\$6,094.22	\$16,528	\$22,622
Supplies	\$29.78	\$6,418	\$6,448
Equipment		\$6,575	\$6,575
Travel			\$0
Contractual	\$186,336.00	\$74,537	\$260,873
Operating Costs		\$10,000	\$10,000
Other	\$8,000.00	\$40,000	\$48,000
<b>TOTAL:</b>	<b>\$200,460</b>	<b>\$154,058</b>	<b>\$354,518</b>

**FINAL COST DISTRIBUTION:** 319 Grant Federal (Max. 60% of Total) = \$200,460 (57%)  
 Local Match (Min 40% of Total) = \$154,058 (43%)  
 Final Total Investment = \$354,518

**CITY OF DANVILLE Expense Summary - 4/1/13 to 6/30/14**

<b>Contract Services</b>				
BG EXCAVATING			\$103,000	
SETTLES			\$1,000	
CDP			\$21,776.00	
BLUEGRASS PRIDE			\$712.20	
ESTES			\$2,925	Stanford Road Sanitary Sewer Design
			<b>\$129,413</b>	
<b>Material Supplies</b>				
BG RECREATION			\$2,458	Curbing Material
THOROUGHbred LANDSCAPING			\$1,612	Playground Mulch
CONCRETE MATERIALS			\$700	Concrete, foundations
LOWES			\$650	Hardware/Lumber
CITY ART SIGNS			\$350	Signage
CALDWELL STONE			\$648	Stone
			<b>\$6,418</b>	
<b>Man Hours</b>	<b>Time</b>	<b>Hourly Rate</b>	<b>Subtotal</b>	<b>Description</b>
TOM BYERLY	40 HOURS	\$42	\$1,668	Playground Construction
EARL COFFEY, P.E.	12 HOURS	\$81	\$975	Administrative
NICK NICHOLS	100 HOURS	\$36	\$3,624.00	Project Inspection
PUBLIC WORKS CREW (4 man)	80 HOURS	\$55	\$4,409.60	Playground Construction
			<b>\$10,676.60</b>	
<b>MAINTENANCE</b>		contract unit	<b>\$2,500</b>	mowing contract, actual unit cost
<b>Equipment Costs</b>				
EXCAVATOR	30 HOURS	\$45	\$1,350	Playground Construction
DUMP TRUCK	25 HOURS	\$45	\$1,125	Playground Construction
FLAT BED TRUCK	20 HOURS	\$40	\$800	Playground Construction
TRACTOR W/AUGER	15 HOURS	\$25	\$375	Playground Construction
BACKHOE W/HAMMER	15 HOURS	\$75	\$1,125	Playground Construction
		<b>Total</b>	<b>\$4,775</b>	



Appendix A

Original

<b>25. Detailed Budget</b>			
Budget Categories (Itemize all Categories)	§319(h) (60% of funds)	Non-Federal Match (40% of funds)	TOTAL
Personnel	\$16,705	\$40,000	\$56,705
Supplies	\$3,500	\$0	\$3,500
Equipment	\$0	\$12,000	\$12,000
Travel	\$2,000	\$1,000	\$3,000
Contractual	\$178,255	\$7,640	\$185,895
Operating Cost	\$0	\$15,000	\$15,000
Other	\$0	\$58,000	\$58,000
<b>TOTAL</b>	<b>\$200,460</b>	<b>\$133,640</b>	<b>\$334,100</b>

Revised

<b>25. Detailed Budget</b>				
Budget Categories (Itemize all Categories)	§319(h) (60% of funds)	Non-Federal Match (40% of funds)	TOTAL	
Personnel	\$16,705	\$40,000	\$56,705	
Supplies	\$3,500	\$0	\$3,500	
Equipment	\$0	\$12,000	\$12,000	
Travel	\$2,000	\$1,000	\$3,000	
Contractual	\$170,255	\$7,640	\$177,895	
Operating Cost	\$0	\$15,000	\$15,000	
Other	\$8,000	\$58,000	\$66,000	
<b>TOTAL</b>	<b>\$200,460</b>	<b>\$133,640</b>	<b>\$334,100</b>	

Through the 319 (h) Grant Program the City of Danville and the Cabinet agreed to fund water quality improvements. The primary project goal was to correct failing onsite wastewater (septic) systems within the Clark's Run and/or Hanging Fork sub-watersheds. The secondary goal was to improve water quality through the restoration of urban riparian zones, establish a rain garden program, and improve education related to nonpoint source pollution.

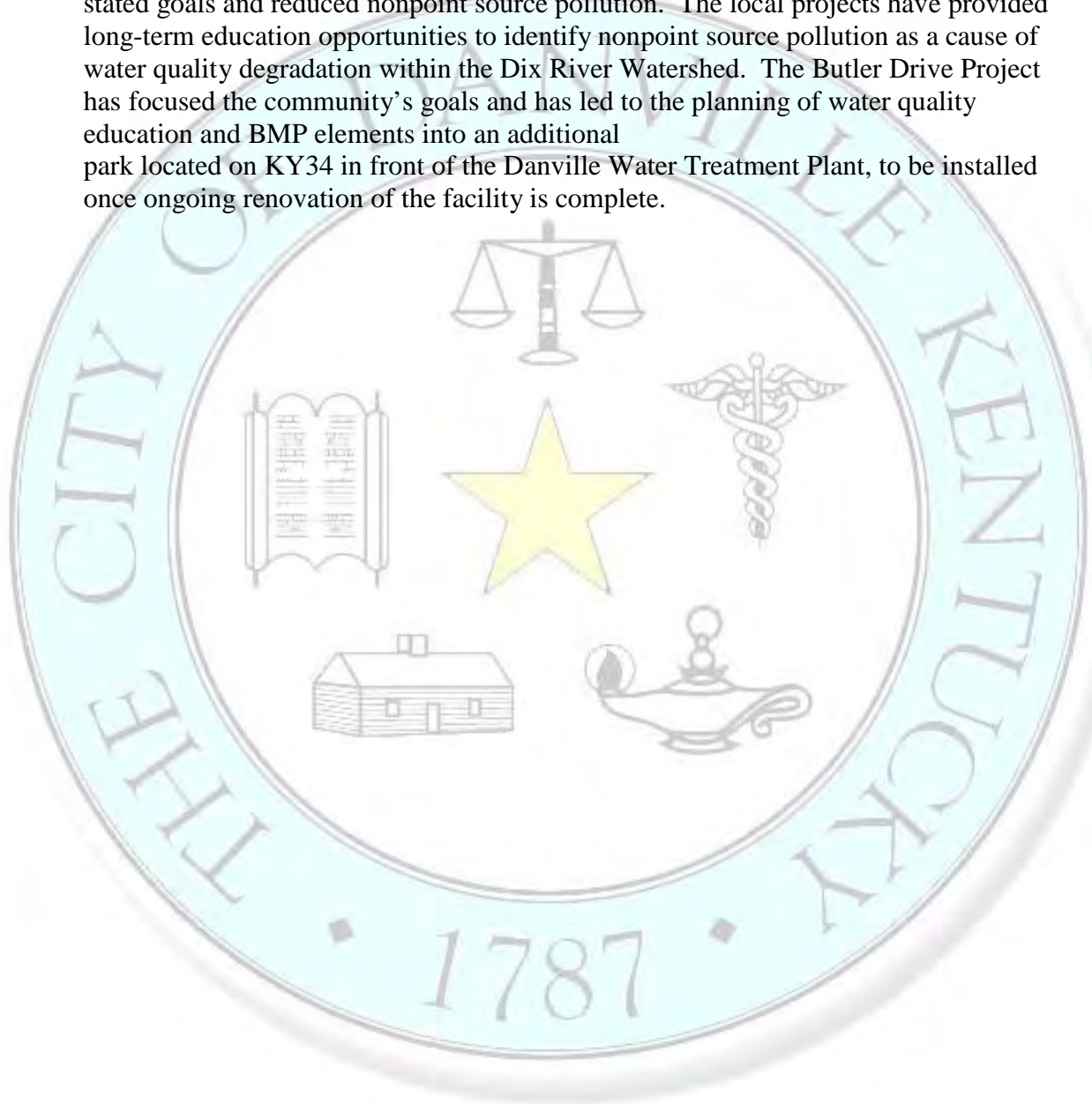
Three significant areas within Clarks Run and Hanging Fork watersheds were identified as contributing to nonpoint source pollution via failing septic systems. The Cabinet and the City agreed the installation of sanitary sewer access in the Stanford Road sub-basin was a priority and subsequently agreed in joint funding of a system extension into the basin with the 319 (h) program and local matching funds.

To address the second and third objectives identified by the Dix River Watershed Council the City and the UK Water Resources Research Institute identified an area located on Butler Drive in Danville. Specifically the project would enable the mitigation of flooding on three properties, restore and reforest the riparian zones along the properties while managing downstream runoff. The project area was conceived as an area accessible to the public which would result in long-term opportunities for public education and outreach.

the community established funding to achieve the goals identified. A consultant team was established for each project. The project team met with property

owners to discuss the ideas and goals identified. The first project extended public sanitary sewers into the Stanford Road area providing for the reduction of nonpoint source pollution. The second project provides a long-term resource in the form of Butler Drive Park. The park enhanced and preserved approximately 475 feet of a tributary to Clarks Run and established the riparian zone habitat. A multi-use walking path was constructed to provide education and other activities along the tributary.

The City of Danville, through the use of the 319 (h) Grant Program has accomplished stated goals and reduced nonpoint source pollution. The local projects have provided long-term education opportunities to identify nonpoint source pollution as a cause of water quality degradation within the Dix River Watershed. The Butler Drive Project has focused the community's goals and has led to the planning of water quality education and BMP elements into an additional park located on KY34 in front of the Danville Water Treatment Plant, to be installed once ongoing renovation of the facility is complete.





**BLUEGRASS  
GREENSOURCE**

BLUEGRASS GREENSOURCE, INC.  
P.O. Box 910384  
Lexington, KY 40591  
  
(859)266-1572  
amy@bggreensource.org

# Invoice

Date	Invoice No.
11/14/2013	DIX River 2014-1
Terms	Due Date
Due on receipt	12/16/2013

Bill To
DIX River

Amount Due	Enclosed
\$587.20	

Please detach top portion and return with your payment.

	Quantity	Rate	Amount
• Employee work on project			580.00
• Employee Travel			7.20
<b>Total</b>			<b>\$587.20</b>

# Bluegrass PRIDE, Inc.

Bluegrass PRIDE, Inc.  
 P.O. Box 910384  
 Lexington, KY 40591

(859)266-1572  
 amy@bgpride.org



## Invoice

Date	Invoice #
04/15/2013	DIX RIVER 2013-
Terms	Due Date
Due on receipt	05/15/2013

Bill To
DIX River

Amount Due	Enclosed
\$610.00	

Please detach top portion and return with your payment.

Month		Quantity	Rate	Amount
01/07/2013	DIX River:Environmental Educator	1:00	50.00	50.00
01/15/2013	DIX River:Deputy Director	1:00	60.00	60.00
01/16/2013	DIX River:Environmental Educator	1:30	50.00	75.00
01/25/2013	DIX River:Environmental Educator	1:00	50.00	50.00
02/04/2013	DIX River:Environmental Educator	3:00	50.00	150.00
03/06/2013	DIX River:Environmental Educator	1:00	50.00	50.00
03/12/2013	DIX River:Environmental Educator	1:00	50.00	50.00
04/02/2013	DIX River:Environmental Educator	2:30	50.00	125.00
			<b>Total</b>	<b>\$610.00</b>

Dix River 319 Grant

Bluegrass PRIDE/Boyle County

January 1 – March 31, 2013

The Environmental Day that was planned for fourth graders at Hogsett Elementary was cancelled. With minimal hours left to use on the grant, Bluegrass PRIDE plans to participate in a field day in Boyle County and another water education project with the schools (7<sup>th</sup> grade Science at Boyle County Middle School has been suggested), either this summer or in the fall.

Dix River 319 Grant

Bluegrass PRIDE

October 1 – December 31, 2012

On October 27, 2012, from 9:30 am to Noon, the Bluegrass PRIDE Environmental Educator led an Invasive Species Removal Field Day on Butler Drive in Danville. Bush Honeysuckle, Japanese Honeysuckle, Wintercreeper and wild Pear trees were removed by the six volunteers participating.

Woodlawn Elementary School held its annual Family Night on November 13, 2012. The Bluegrass PRIDE Environmental Educator offered a Litter Relay to student participants, and discussed the importance of keeping litter out of our waterways. 60 students participated in the relay, and their families joined in the discussion.

An Environmental Day is planned for fourth graders at Hogsett Elementary School in the spring. All students participating would complete the required activities and service project to earn the Environmental Stewards Certificate.\*

\*The Environmental Steward Certificate is awarded to students who have completed a knowledge component (including topics such as water quality, water cycle and watershed) and a water related service component.

# City of Danville General Ledger Report

Date	Trans.	Journal	Reference	Debit Amount	Credit Amount	Balance
<b>45-0000-9004</b>						
<b>Account: 45-0000-9004 (319 Grant Exp)</b>						
7/1/2011			<i>Account Beginning Balance</i>			\$0.00
7/20/2012	2-1134	General Journal	Estes Engineering	\$2,925.00		
7/25/2012	2-1133	General Journal	Todd Johnson contracting		\$25.00	
7/25/2012	2-1135	General Journal	Settles Backhoe		\$25.00	
7/25/2012	2-1136	General Journal	Ford Contracting		\$25.00	
8/3/2012	3-1466	Accounts Payable	Advocate-Messenger	\$273.32		
9/11/2012	4-1411	General Journal	Comm Card	\$75.46		
10/18/2012	5-1556	Accounts Payable	CDP Engineers, Inc	\$16,386.50		
10/18/2012	5-1557	Accounts Payable	Minuteman Press	\$60.89		
11/7/2012	6-1337	Accounts Payable	Advocate-Messenger	\$273.32		
11/7/2012	6-1339	Accounts Payable	Advocate-Messenger	\$364.09		
11/7/2012	6-1341	Accounts Payable	Advocate-Messenger	\$120.34		
11/8/2012	6-1336	Accounts Payable	CDP Engineers, Inc	\$1,875.00		
11/8/2012	6-1340	Accounts Payable	Bluegrass Pride	\$784.00		
11/26/2012	6-1338	General Journal	tsf from 9004	\$12,515.05		
11/26/2012	6-1342	General Journal	Comm of ky 5		\$12,515.05	
12/3/2012	7-1346	Accounts Payable	Petty Cash	\$293.76		
12/6/2012	7-1347	Accounts Payable	Sara Beth Freytag	\$61.50		
1/10/2013	8-1482	Accounts Payable	Settles Backhoe Service, Inc.	\$20,000.00		
2/19/2013	9-1181	Accounts Payable	Settles Backhoe Service, Inc.	\$38,678.00		
2/22/2013	9-1182	General Journal	tsf from 9001	\$1,127.00		
6/6/2013	13-1670	Accounts Payable	Settles Backhoe Service, Inc.	\$1,000.00		
6/21/2013	13-1674	Accounts Payable	BG Excavating	\$14,490.00		
6/30/2013	13-1668	Accounts Payable	Bluegrass Pride	\$1,406.50		
6/30/2013	13-1669	General Journal	eoy aje - stormwater	\$4,400.00		
6/30/2013	13-1671	Accounts Payable	BG Excavating	\$69,110.00		
6/30/2013	13-1672	General Journal	eoy aje - stormwater		\$176,017.18	
6/30/2013	13-1673	General Journal	eoy aje - stormwater	\$2,387.50		
10/9/2013	17-472	Accounts Payable	BG Excavating	\$19,400.00		
2/5/2014	48-177	Accounts Payable	Foster Supply Inc-00551302	\$291.45		
5/6/2014	972-265	Accounts Payable	Bluegrass Recreation-4919	\$2,458.00		
			<i>Account Subtotals</i>	\$210,756.68	\$188,607.23	
6/30/2015			<i>Account Net Change</i>			\$22,149.45
6/30/2015			<i>Account Ending Balance</i>			<u>\$22,149.45</u>

Landscape's Corner - \$1612.50



# City of Danville General Ledger Report

Report name: This F/E

Include all dates

Do not show budget

Do not include encumbrance transactions

Include all Funds

Include all Projects

Include all Account Attributes

Include these Accounts: 45-0000-9004

Include all Categories

Include all Journals

Include all Project Attributes

Include all Transaction Attributes

Include all Classes

Include all Posted Transactions

Include all Not Yet Posted Transactions

Exclude accounts with a zero beginning balance and no activity

Do not exclude accounts with no activity

User has access to all accounts

Include all Grant(s)

Include all Department(s)

# City of Danville General Ledger Report

<u>Date</u>	<u>Trans.</u>	<u>Journal</u>	<u>Reference</u>	<u>Debit Amount</u>	<u>Credit Amount</u>	<u>Balance</u>
<b>45-0000-9001</b>						
Account: 45-0000-9001 (Engineering)						
7/1/2011			<i>Account Beginning Balance</i>			\$0.00
12/6/2012	7-1343	Accounts Payable	Bravura	\$2,250.00		
2/22/2013	9-1177	Accounts Payable	CDP Engineers, Inc	\$1,127.00		
2/22/2013	9-1178	Accounts Payable	Bravura	\$458.00		
2/22/2013	9-1179	Accounts Payable	CDP Engineers, Inc	\$2,387.50		
2/22/2013	9-1180	General Journal	tsf to 9004		\$1,127.00	
6/30/2013	13-1664	General Journal	eoy aje - stormwater		\$2,387.50	
			<i>Account Subtotals</i>	\$6,222.50	\$3,514.50	
6/30/2015			<i>Account Net Change</i>			\$2,708.00
6/30/2015			<i>Account Ending Balance</i>			\$2,708.00

# City of Danville General Ledger Report

Report name: This F/E

Include all dates

Do not show budget

Do not include encumbrance transactions

Include all Funds

Include all Projects

Include all Account Attributes

Include these Accounts: 45-0000-9001

Include all Categories

Include all Journals

Include all Project Attributes

Include all Transaction Attributes

Include all Classes

Include all Posted Transactions

Include all Not Yet Posted Transactions

Exclude accounts with a zero beginning balance and no activity

Do not exclude accounts with no activity

User has access to all accounts

Include all Grant(s)

Include all Department(s)

Vendor Name	Obligat'n Description	Stg Date	Posted	Amount	Check
2073 CDP Engineers, Inc	107265 SW/Analysis	03/17/09	03/09/09 Recon	577.50	40944
CDP Engineers, Inc	107472 SW/Analysis	03/31/09	03/23/09 Recon	5,342.50	41076
CDP Engineers, Inc	107990 SW/Sub-basin SW Analysis	05/05/09	04/27/09 Recon	8,740.00	41344
CDP Engineers, Inc	108402 SW/Sub-basin SW Analysis	06/02/09	05/26/09 Recon	18,840.00	41572
CDP Engineers, Inc	108852 SW/Sub-basin SW Analysis	06/30/09	06/19/09 Recon	22,917.50	41818
CDP Engineers, Inc	109511 SW/Sub Basin E	08/18/09	08/10/09 Recon	120.00	42258
CDP Engineers, Inc	109512 SW/Sub-Basin SW Analysis	08/18/09	08/10/09 Recon	2,922.88	42258
CDP Engineers, Inc	109704 SW/Sub Basin E Study & Design	09/01/09	08/24/09 Recon	8,425.00	42364
CDP Engineers, Inc	109705 SW/Danville Sub-basin SW Analy	09/01/09	08/24/09 Recon	4,862.50	42364
CDP Engineers, Inc	110192 SW/Sub Basin	10/06/09	09/28/09 Recon	18,352.50	42650
CDP Engineers, Inc	110193 SW/Sub Basin SW Analysis	10/06/09	09/28/09 Recon	21,115.00	42650
CDP Engineers, Inc	110588 SW/Sub-basin SW Analysis	11/03/09	10/26/09 Recon	21,932.12	42907
CDP Engineers, Inc	110589 SW/Sub-Basin E Study & Design	11/03/09	10/26/09 Recon	10,125.00	42907
CDP Engineers, Inc	111215 Sub-basin SW Analysis	12/22/09	12/14/09 Recon	2,000.00	43322
CDP Engineers, Inc	111216 SubBasin E Study & Design	12/22/09	12/14/09 Recon	18,770.00	43322
CDP Engineers, Inc	111563 Sub Basin E Study & Design	01/19/10	01/11/10 Recon	18,100.00	43529
CDP Engineers, Inc	111724 SW/Sub Basin E Study & Design	02/02/10	01/22/10 Recon	9,420.00	43642
CDP Engineers, Inc	112086 Sub-basin SW Analysis	02/22/10	02/22/10 Void	735.00	43891
CDP Engineers, Inc	112087 Sub Basin E Study & Design	02/22/10	02/22/10 Void	3,687.50	43891
CDP Engineers, Inc	112094 Sub-basin SW Analysis	03/02/10	02/22/10 Recon	735.00	43929
CDP Engineers, Inc	112756 SW/Sub-basin SW Analysis	04/20/10	04/12/10 Recon	1,487.50	44292
CDP Engineers, Inc	112828 SW/Sub-basin SW Analysis	05/04/10	04/26/10 Recon	1,585.00	44403
CDP Engineers, Inc	113705 SW/Sub-basin SW Analysis	07/06/10	06/28/10 Recon	367.50	44926
CDP Engineers, Inc	113706 Sub-basin SW Analysis	07/06/10	06/28/10 Recon	315.00	44926
CDP Engineers, Inc	114584 SW/Sub-basin SW Analysis	08/31/10	08/19/10 Recon	157.50	45428
CDP Engineers, Inc	115887 SW/Sub Basin E study & Design	11/30/10	11/22/10 Recon	2,070.00	46228
CDP Engineers, Inc	115888 SW/Sub Basin E Study & Design	11/30/10	11/22/10 Recon	3,687.50	46228
CDP Engineers, Inc	115889 SW/Sub Basin E Study & Design	11/30/10	11/22/10 Recon	3,227.50	46228
CDP Engineers, Inc	115890 SW/Sub Basin E Study & Design	11/30/10	11/22/10 Recon	7,570.00	46228
CDP Engineers, Inc	115891 SW/Su Basin E Study & Design	11/30/10	11/22/10 Recon	4,290.00	46228
CDP Engineers, Inc	116181 SW/Sub-Basin E Study	12/21/10	12/13/10 Recon	1,020.00	46422
CDP Engineers, Inc	116274 SW/Sub-Basin SW Analysis	01/04/11	12/29/10 Recon	200.00	46535
CDP Engineers, Inc	116275 SW/Sub Basin E Study & Design	01/04/11	12/29/10 Recon	2,400.00	46535
CDP Engineers, Inc	116276 Sub Basin E Study & Design	01/04/11	12/29/10 Recon	3,345.00	46535
CDP Engineers, Inc	116679 SW/Sub Basin E Study & Design	02/01/11	01/25/11 Recon	1,500.00	46737
CDP Engineers, Inc	117321 SW/2009-0022 Sub-Basin E	03/22/11	03/14/11 Recon	577.50	47168
CDP Engineers, Inc	117474 SW/Sub-Basin SW	04/05/11	03/29/11 Recon	152.50	47277
CDP Engineers, Inc	120950 SW/Engineering	12/06/11	12/01/11 Recon	3,715.00	49474
CDP Engineers, Inc	122768 SW/Engineering	05/01/12	04/23/12 Recon	1,875.00	50690
CDP Engineers, Inc	125472 SW/319 Grant	11/06/12	10/22/12 Recon	16,386.50	52296
CDP Engineers, Inc	125836 SW/319 Grant	11/27/12	11/13/12 Recon	1,875.00	52485
CDP Engineers, Inc	127039 SW/Drainage Study	03/12/13	02/25/13 Recon	2,387.50	53452
CDP Engineers, Inc	127277 SW/319 Grant	03/12/13	02/25/13 Recon	1,127.00	53452
2073 CDP Engineers, Inc	*** Vendor Total ***			254,616.00	
*** Report Total ***				254,616.00	

Run date: 07/10/2014 @ 15:00

AFW

Bus date: 07/10/2014

Vendors - Check History

Setup by: Debbie Smith

-----| Selection Page |-----

1) Check dates....: 01/01/2009 to 07/10/2014

Fld Description	First value	Last value	Sort I/E
1 Vendor	2073	2073	I

Total vendors selected = 1

45 Storm Water

Date	Transaction	Jnl	Description	Ref 1	Ref 2	Ref 3	Posted Amount
				** Continued **			
05/10/2012	106704T-0000002	MDIS	CDP Engineers	1114			4,332.82
05/17/2012	106711T-0000000	MDIS	Farmers National Bank	1117			17,000.00
05/17/2012	106711T-0000002	MDIS	Boyle Co Clerk	1118			68.00
05/17/2012	106711T-0000004	MDIS	Thomas Byerly	1119			30,703.98
06/30/2012	108015T-0000001	PURCH	Bluegrass Pride	124805	entry		2,324.00
06/30/2012	108163T-0000027	MISC	EOY AJEs - Stormwater				78,440.79CR
07/20/2012	107957T-0000000	MDIS	Estes Engineering	1124			2,925.00
07/25/2012	107623T-0000002	OREC	Ford Contracting	019166			25.00CR
07/25/2012	107623T-0000003	OREC	Todd Johnson contracting	019167			25.00CR
07/25/2012	107623T-0000004	OREC	Settles Backhoe	019168			25.00CR
08/03/2012	107578T-0000007	PURCH	Advocate-Messenger	123858	transfer		273.32
09/11/2012	108415T-0000004	MDIS	Comm Card	800619			75.46
10/18/2012	108465T-0000001	PURCH	Minuteman Press	125471	entry		60.89
10/18/2012	108465T-0000003	PURCH	CDP Engineers, Inc	125472	entry		16,386.50
11/07/2012	108612T-0000007	PURCH	Advocate-Messenger	125593	transfer		364.09
11/07/2012	108612T-0000019	PURCH	Advocate-Messenger	125607	transfer		120.34
11/07/2012	108612T-0000023	PURCH	Advocate-Messenger	125648	transfer		273.32
11/08/2012	108624T-0000031	PURCH	CDP Engineers, Inc	125836	entry		1,875.00
11/08/2012	108624T-0000033	PURCH	Bluegrass Pride	125837	entry		784.00
11/26/2012	108850T-0000005	OREC	Comm of ky 5				12,515.05CR
11/26/2012	109905T-0000001	MISC	tsf from 9004				12,515.05
12/03/2012	109067T-0000007	PURCH	Petty Cash	126260	manual ent	52683	293.76
12/06/2012	108939T-0000001	PURCH	Sara Beth Freytag	126204	entry		61.50
01/10/2013	109419T-0000011	PURCH	Settles Backhoe Service, Inc.	126713	entry		20,000.00
02/19/2013	109936T-0000001	PURCH	Settles Backhoe Service, Inc.	127350	entry		38,678.00
02/22/2013	110054T-0000001	MISC	tsf from 9001				1,127.00
06/06/2013	111077T-0000029	PURCH	Settles Backhoe Service, Inc.	128771	entry		1,000.00
06/21/2013	111235T-0000035	PURCH	BG Excavating	128923	entry		14,490.00
06/30/2013	111413T-0000001	PURCH	Bluegrass Pride	129126	entry		1,406.50
06/30/2013	111752T-0000001	PURCH	BG Excavating	129495	entry		69,110.00
06/30/2013	112510T-0000018	MISC	eoy aje - stormwater				4,400.00
06/30/2013	112510T-0000024	MISC	eoy aje - stormwater				2,387.50
06/30/2013	112510T-0000028	MISC	eoy aje - stormwater				176,017.18CR
10/09/2013	112589T-0000017	PURCH	BG Excavating	130664	entry		19,400.00
00-00 9004 319 Grant Exp							19,400.00
45 Storm Water							7,944.87CR

BG Excavating \$103,000 BG Recreation - \$2,458  
 Settles - \$59,678  
 CDP - ~~\$16,386.50~~ \$21,776  
 Estes - \$2,925

2073

Run date: 07/10/2014 @ 10:40

AFW

Reporting: 01/01/2009 to 07/10/2014

Bus date: 07/10/2014

Account Detail

CSACDTL.L02 Page 5

Date	Transaction	Jnl	Description	Ref 1	Ref 2	Ref 3	Posted Amount
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\*\* Report total \*\*

7,944.87CR

Setup by: Sandra Curlis

-----| Selection Page |-----

ID type.....: A - Financial Reporting System

Report Name....: ACDTL - Account Detail

Account Mask...: A45 00-00 900X

Report Type....: Actual

Date Range.....: 01/01/2009 to 07/10/2014

Amount Range...: \*\* All \*\*

Journals.....: \*All\*|

Include Periods: Detail|

Include Attrs...:																			
-------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Exclude Attrs...:																			
-------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Show detail....: Yes



45 Storm Water

Date	Transaction	Jnl	Description	Ref 1	Ref 2	Ref 3	Posted Amount
00-00 9000 Cap: Public Services							
06/30/2010	99338T-0000003	PURCH	Whayne Supply Co.	113760	transfer		57,845.00
06/30/2010	99793T-0000002	MISC	Record Capital Items				57,845.00CR
08/18/2011	103339T-0000003	PURCH	Southern Communications, Inc.	118911	transfer		2,681.25
11/08/2011	104469T-0000010	OREC	Southern Comm Rebate				229.46CR
02/20/2012	105650T-0000007	PURCH	Gator Made, Inc	121887	transfer		7,190.00
00-00 9000 Cap: Public Services							
00-00 9001 Eng. Fees							
01/22/2009	92738T-0000011	PURCH	Ford Contracting, Inc.	106617	entry		18,686.20
02/09/2009	92908T-0000001	MISC	Tsf from 45-20-00-9001				1,500.00
03/05/2009	93242T-0000001	PURCH	CDP Engineers, Inc	107265	entry		577.50
03/19/2009	93427T-0000003	PURCH	Ford Contracting, Inc.	107471	entry		15,525.87
03/19/2009	93427T-0000005	PURCH	CDP Engineers, Inc	107472	entry		5,342.50
04/23/2009	93826T-0000013	PURCH	Ford Contracting, Inc.	107989	entry		43,259.19
04/23/2009	93826T-0000015	PURCH	CDP Engineers, Inc	107990	entry		8,740.00
05/07/2009	93934T-0000017	PURCH	MSE of Kentucky	108221	entry		1,073.75
05/21/2009	94123T-0000001	PURCH	CDP Engineers, Inc	108402	entry		18,840.00
06/19/2009	94421T-0000037	PURCH	CDP Engineers, Inc	108852	entry		22,917.50
06/30/2009	95349T-0000000	MISC	Add'l A/P				3,042.88
06/30/2009	95351T-0000001	MISC	Cap Drainage imp proj				180,671.96CR
07/01/2009	95350T-0000000	MISC	Add'l A/P				3,042.88CR
08/06/2009	94937T-0000016	PURCH	CDP Engineers, Inc	109511	entry		120.00
08/06/2009	94937T-0000018	PURCH	CDP Engineers, Inc	109512	entry		2,922.88
08/19/2009	95121T-0000003	PURCH	CDP Engineers, Inc	109704	entry		8,425.00
08/19/2009	95121T-0000005	PURCH	CDP Engineers, Inc	109705	entry		4,862.50
09/24/2009	95575T-0000031	PURCH	CDP Engineers, Inc	110192	entry		18,352.50
09/24/2009	95575T-0000033	PURCH	CDP Engineers, Inc	110193	entry		21,115.00
10/22/2009	95977T-0000003	PURCH	CDP Engineers, Inc	110588	entry		21,932.12
10/22/2009	95977T-0000005	PURCH	CDP Engineers, Inc	110589	entry		10,125.00
12/09/2009	96453T-0000007	PURCH	CDP Engineers, Inc	111215	entry		2,000.00
12/09/2009	96453T-0000009	PURCH	CDP Engineers, Inc	111216	entry		18,770.00
01/06/2010	96718T-0000013	PURCH	Ford Contracting, Inc.	111462	transfer		10,500.00
01/07/2010	96730T-0000003	PURCH	CDP Engineers, Inc	111563	entry		18,100.00
01/22/2010	96932T-0000013	PURCH	CDP Engineers, Inc	111724	entry		9,420.00
02/10/2010	97145T-0000016	PURCH	Boyle County Clerk	111982	entry		474.00
02/18/2010	97242T-0000001	PURCH	CDP Engineers, Inc	112086	entry		735.00
02/18/2010	97242T-0000003	PURCH	CDP Engineers, Inc	112087	entry		3,687.50
02/22/2010	97272T-0000001	PURCH	Pictometry	112093	manual ent	43865	3,809.38
02/22/2010	97274T-0000001	PURCH	CDP Engineers, Inc	112086	cancel		735.00CR
02/22/2010	97274T-0000003	PURCH	CDP Engineers, Inc	112087	cancel		3,687.50CR
02/22/2010	97275T-0000001	PURCH	CDP Engineers, Inc	112094	manual ent	43929	735.00
03/18/2010	97587T-0000001	PURCH	Byerly Construction	112419	entry		64,623.72
03/18/2010	98362T-0000001	MISC	TSF To 45-9002				64,623.72CR
04/09/2010	97778T-0000003	PURCH	Minuteman Press	112754	entry		60.00
04/09/2010	97778T-0000005	PURCH	Cultural Resource Analysts, In	112755	entry		5,550.00
04/09/2010	97778T-0000007	PURCH	CDP Engineers, Inc	112756	entry		1,487.50
04/22/2010	97928T-0000001	PURCH	CDP Engineers, Inc	112828	entry		1,585.00
04/26/2010	98024T-0000009	PURCH	Petty Cash	112893	manual ent	44381	45.00
05/01/2010	98037T-0000037	PURCH	USA SIGNS	112912	transfer		155.00
05/01/2010	98039T-0000001	PURCH	USA SIGNS	112912	change		125.00

## 45 Storm Water

Date	Transaction	Jnl	Description	Ref 1	Ref 2	Ref 3	Posted Amount
00-00 9001 Eng. Fees				** Continued **			
06/24/2010	98672T-0000001	PURCH	CDP Engineers, Inc	113705	entry		367.50
06/24/2010	98672T-0000003	PURCH	CDP Engineers, Inc	113706	entry		315.00
06/30/2010	99793T-0000004	MISC	Record Capital Items				157,925.50CR
08/16/2010	99308T-0000018	PURCH	Pictometry	114466	entry		11,428.12
08/19/2010	99349T-0000007	PURCH	CDP Engineers, Inc	114584	entry		157.50
11/18/2010	100354T-0000005	PURCH	CDP Engineers, Inc	115887	entry		2,070.00
11/18/2010	100354T-0000007	PURCH	CDP Engineers, Inc	115888	entry		3,687.50
11/18/2010	100354T-0000009	PURCH	CDP Engineers, Inc	115889	entry		3,227.50
11/18/2010	100354T-0000011	PURCH	CDP Engineers, Inc	115890	entry		7,570.00
11/18/2010	100354T-0000013	PURCH	CDP Engineers, Inc	115891	entry		4,290.00
12/09/2010	100537T-0000007	PURCH	CDP Engineers, Inc	116181	entry		1,020.00
12/22/2010	100664T-0000007	PURCH	CDP Engineers, Inc	116274	entry		200.00
12/22/2010	100664T-0000009	PURCH	CDP Engineers, Inc	116275	entry		2,400.00
12/22/2010	100664T-0000011	PURCH	CDP Engineers, Inc	116276	entry		3,345.00
01/20/2011	101015T-0000003	PURCH	CDP Engineers, Inc	116679	entry		1,500.00
03/10/2011	101591T-0000005	PURCH	CDP Engineers, Inc	117321	entry		577.50
03/24/2011	101746T-0000001	PURCH	CDP Engineers, Inc	117474	entry		152.50
06/30/2011	103917T-0000021	MISC	Cap	SW9			41,625.62CR
09/16/2011	103763T-0000000	MDIS	CDP Engineers	1090			1,800.00
09/16/2011	107469T-0000000	MISC	tsf to 9004				1,800.00CR
11/03/2011	104297T-0000008	PURCH	Wilson Appraisal Group	120246	transfer		900.00
12/01/2011	104650T-0000001	PURCH	CDP Engineers, Inc	120950	entry		3,715.00
12/01/2011	107470T-0000000	MISC	tsf to 9004				3,715.00CR
02/08/2012	105466T-0000003	PURCH	Age Engineering	121898	entry		17,603.00
04/13/2012	106295T-0000023	PURCH	CDP Engineers, Inc	122768	entry		1,875.00
04/13/2012	107471T-0000000	MISC	tsf to 9004				1,875.00CR
05/09/2012	106549T-0000007	PURCH	Wilson Appraisal Group	123073	transfer		1,500.00
06/30/2012	108163T-0000025	MISC	EOY AJEs - Stormwater				20,003.00CR
12/06/2012	108932T-0000009	PURCH	Bravura	126168	entry		2,250.00
02/22/2013	109875T-0000067	PURCH	CDP Engineers, Inc	127277	entry		1,127.00
02/22/2013	109875T-0000073	PURCH	Bravura	127280	entry		458.00
02/22/2013	109876T-0000313	PURCH	CDP Engineers, Inc	127039	transfer		2,387.50
02/22/2013	110054T-0000000	MISC	tsf to 9004				1,127.00CR
06/30/2013	112510T-0000025	MISC	eoy aje - stormwater				2,387.50CR
00-00 9001 Eng. Fees				38,073.57CR			
00-00 9002 Project Costs							
03/18/2010	98362T-0000000	MISC	TSF From 45-9001				64,623.72
04/12/2010	98355T-0000000	MISC	TSF from 45-20				33,995.00
05/05/2010	98356T-0000000	MISC	TSF from 45-20				16,808.00
05/24/2010	98359T-0000000	MDIS	Byerly Design	1062			13,969.00
06/09/2010	98447T-0000000	MDIS	Byerly Design	1063			38,242.84
06/24/2010	98702T-0000000	MDIS	Byerly Design	1064			20,952.75
06/30/2010	99751T-0000011	MISC	Contract A/P				22,927.99
06/30/2010	99793T-0000003	MISC	Record Capital Items				211,519.30CR
07/22/2010	99015T-0000000	MDIS	Byerly design	1070			22,927.99
07/30/2010	99165T-0000000	MDIS	Byerly Design	1071			30,000.00
08/16/2010	99362T-0000000	MDIS	Byerly Construction	1072			42,989.61
12/21/2010	100660T-0000000	MDIS	Byerly Construction	1083			66,728.75
12/21/2010	100660T-0000002	MDIS	Byerly Construction	1084			18,546.75

## 45 Storm Water

Date	Transaction	Jnl	Description	Ref 1	Ref 2	Ref 3	Posted Amount
=====	=====	=====	=====	=====	=====	=====	=====
00-00	9002		Project Costs				
							** Continued **
06/13/2011	103010T-0000001	MDIS	Byerly Design	1087			26,905.49CR
06/13/2011	103011T-0000001	MDIS	Reversal of 103010T	1087			26,905.49
06/13/2011	103012T-0000001	MDIS	Byerly Design	1087			26,905.49
06/30/2011	103917T-0000023	MISC	Cap	SW10			20,619.77
06/30/2011	103917T-0000028	MISC	Cap	SW11			228,718.36CR
07/29/2011	103285T-0000000	MDIS	Byerly Design	1088			19,462.34
08/16/2011	103790T-0000000	MREC	Ford		1089		52,645.95
08/16/2011	104086T-0000000	MISC	Main St. F/D storm water proje				1,086.91
09/16/2011	103763T-0000004	MDIS	Ford Contracting	1092			53,277.17
11/29/2011	104640T-0000000	MDIS	Ford Contracting	1095			4,555.67
02/08/2012	105683T-0000002	MDIS	Todd Johnson	1103			25,495.37
02/22/2012	105705T-0000015	PURCH	C. I. Thornburg	121883	transfer		378.00
03/21/2012	106073T-0000000	MISC	Todd Johnson Contracting	1107			30,788.41
04/10/2012	106285T-0000000	MISC	Todd Johnson Contracting	1112			48,196.35
04/30/2012	106468T-0000027	PURCH	Shooting Star Nursery	120718	transfer		2,100.00
05/01/2012	106470T-0000000	PURCH	Shooting Star Nursery	120718	change		2,100.00CR
05/10/2012	106704T-0000006	MDIS	Todd Johnson Contracting	1116			19,992.00
06/30/2012	108163T-0000018	MISC	EOY AJEs - Stormwater				45,785.32CR
06/30/2012	108163T-0000019	MISC	EOY AJEs - Stormwater				56,614.13
06/30/2012	108163T-0000024	MISC	EOY AJEs - Stormwater				265,620.07CR
07/17/2012	107396T-0000000	MDIS	Todd Johnson Contracting	1123			18,478.34
11/06/2012	108627T-0000000	MDIS	Todd Johnson contracting	1131			32,519.19
12/26/2012	109134T-0000017	PURCH	Todd Johnson Contracting, Inc.	126395	entry		24,655.68
12/27/2012	109281T-0000001	PURCH	Todd Johnson Contracting, Inc.	126395	cancel		24,655.68CR
01/02/2013	109275T-0000001	PURCH	Todd Johnson Contracting, Inc.	126495	entry		21,683.76
01/02/2013	109275T-0000003	PURCH	Sherman Dixie	126496	entry		2,971.92
01/02/2013	109322T-0000001	PURCH	Sherman Dixie	126496	cancel		2,971.92CR
01/03/2013	109323T-0000001	PURCH	Todd Johnson Contracting, Inc.	126504	entry		2,971.92
03/08/2013	110099T-0000002	CCREC	Todd Johnson contracting	1147			19,621.76
06/30/2013	112510T-0000021	MISC	eoy aje - stormwater				56,614.13CR
06/30/2013	112510T-0000022	MISC	eoy aje - stormwater				1,800.00
06/30/2013	112510T-0000027	MISC	eoy aje - stormwater				40,460.84CR
00-00	9002		Project Costs				1,086.91
00-00	9004		319 Grant Exp				
09/16/2011	107469T-0000001	MISC	tsf from 9001				1,800.00
12/01/2011	104646T-0000001	PURCH	Bluegrass Pride	120948	entry		2,608.90
12/01/2011	104648T-0000001	PURCH	Bluegrass Pride	120949	entry		600.00
12/01/2011	107470T-0000001	MISC	tsf from 9001				3,715.00
12/31/2011	105404T-0000000	MDIS	Bluegrass Pride	1101			1,195.80
01/05/2012	105056T-0000002	MDIS	CDP	1097			633.00
01/06/2012	105230T-0000000	MDIS	Lowe's	1099			293.56
01/13/2012	105231T-0000000	MDIS	CDP	1100			8,241.00
04/03/2012	106157T-0000011	PURCH	Concrete Materials Company, LL	122403	transfer		150.00
04/04/2012	106164T-0000011	PURCH	Caldwell Stone Co.	122417	transfer		27.28
04/04/2012	106174T-0000015	PURCH	Lowe's Home Centers, Inc.	122418	transfer		701.17
04/12/2012	106286T-0000027	PURCH	Minuteman Press	122739	transfer		29.78
04/13/2012	107471T-0000001	MISC	tsf from 9001				1,875.00
05/01/2012	106470T-0000001	PURCH	Shooting Star Nursery	120718	change		2,100.00
05/03/2012	106492T-0000023	PURCH	Lowe's Home Centers, Inc.	122912	transfer		41.50