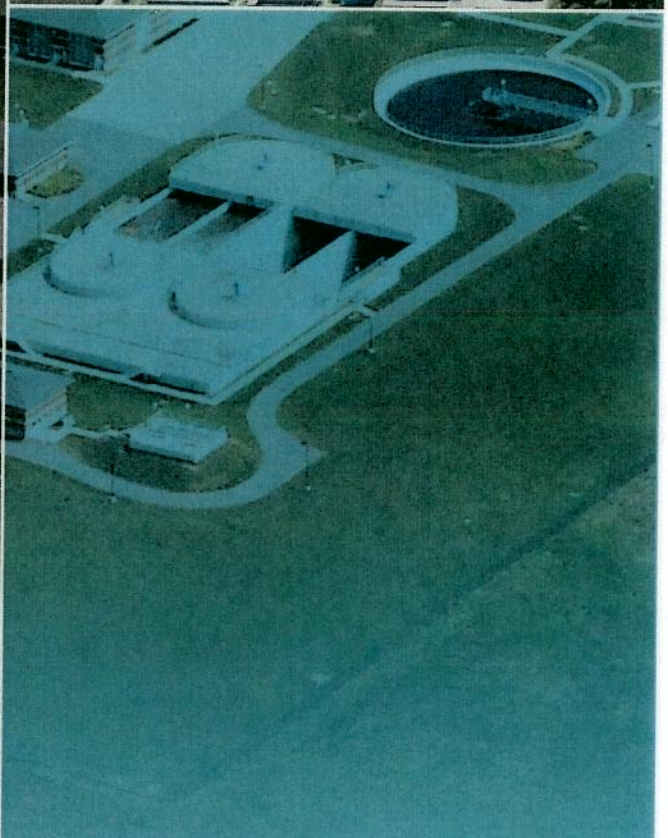
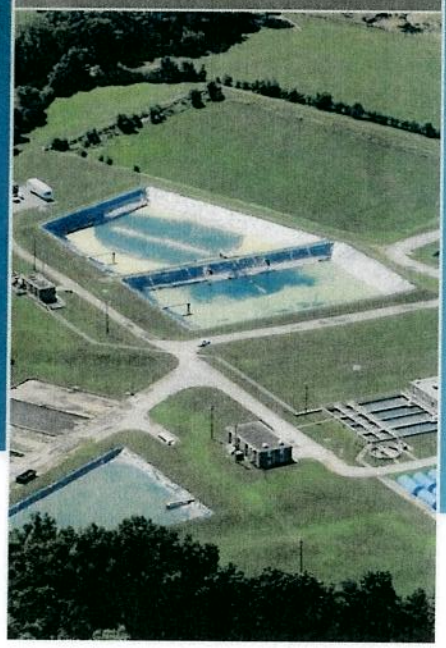


Statement of Qualifications



RFP #33-2012 RFQ for Professional Engineering Services

Category 1: Equalization Tanks or Basins

Lexington-Fayette Urban County Government

11 | 13 | 2012

Engineers · Architects · Planners

801 Corporate Drive Lexington, KY 40503 859-223-3999

Statement of Qualifications

Category 1: Equalization Tanks or Basins

Lexington-Fayette Urban County Government
RFP #33-2012, Professional Engineering Services
Lexington, KY

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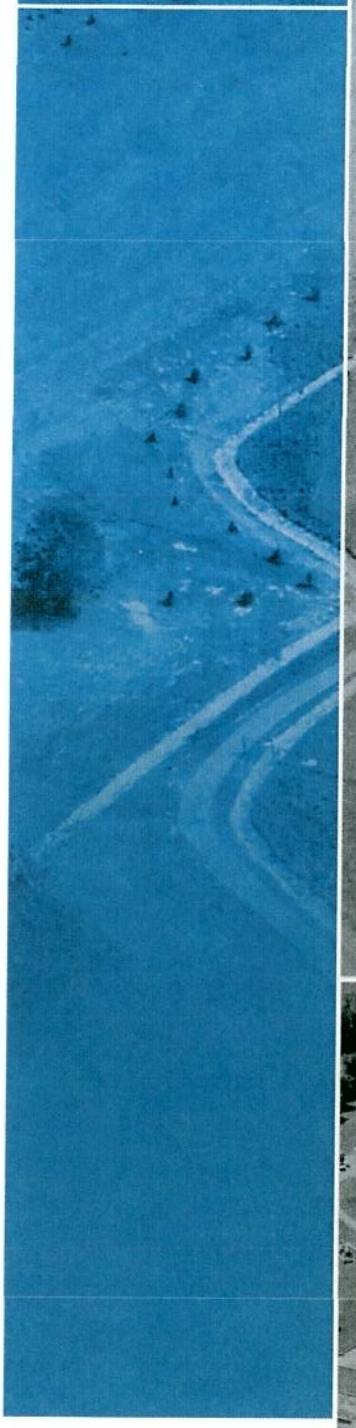
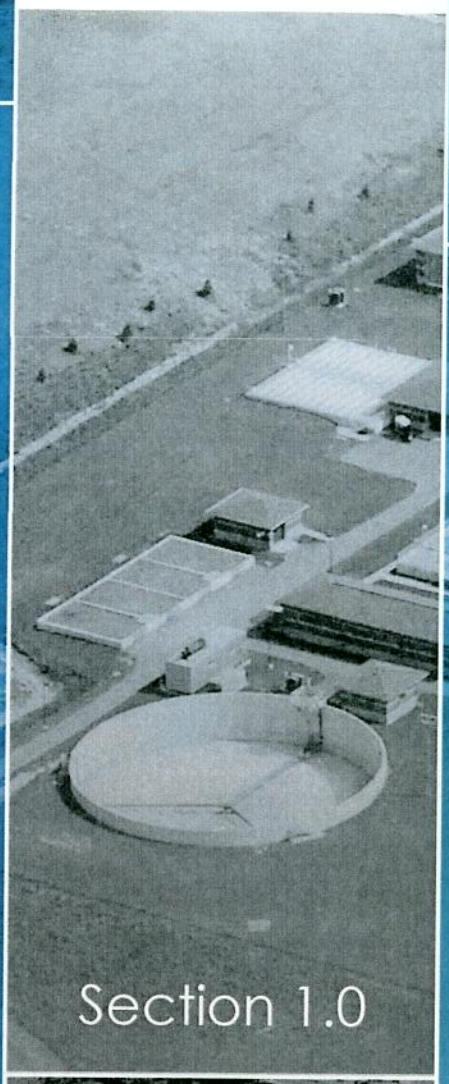
Engineers · Architects · Planners





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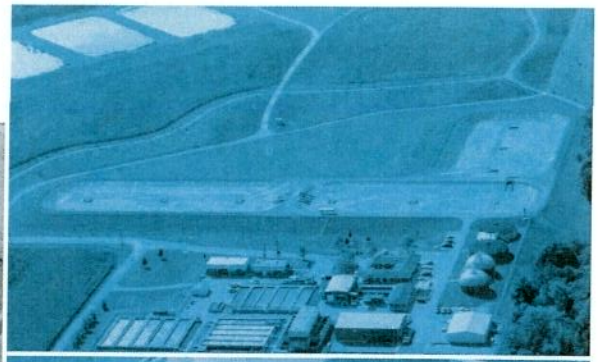

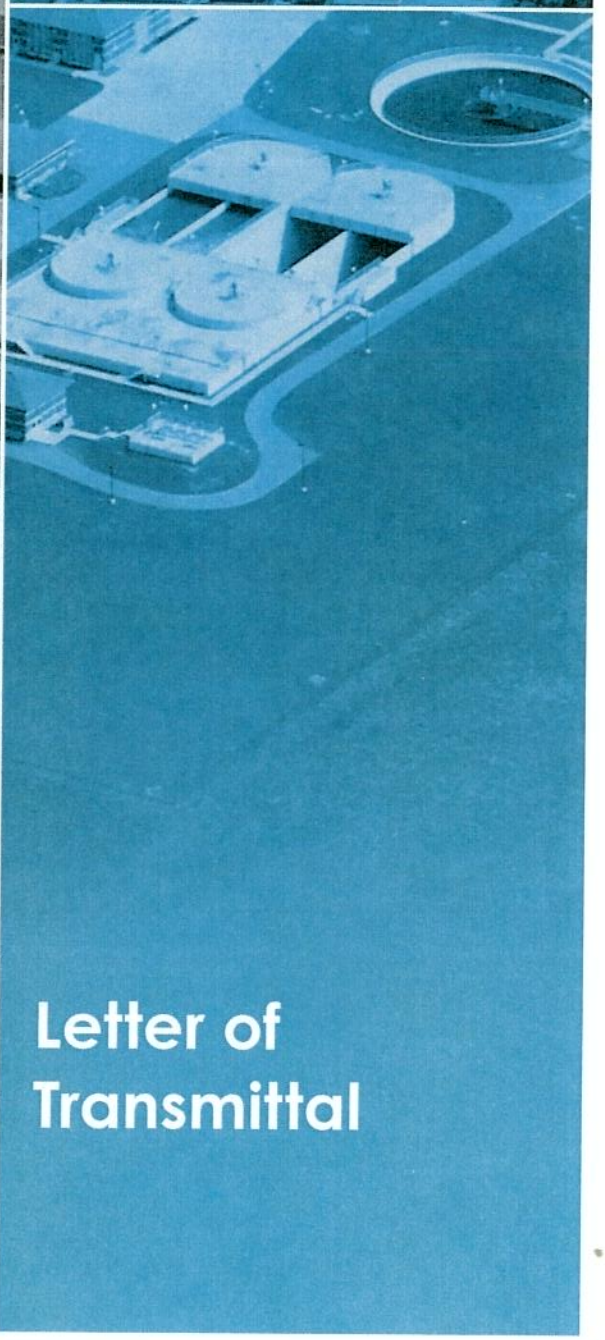

Letter of Transmittal

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November 12, 2012

Mr. Todd Slatin, Acting Director
Division of Central Purchasing
Lexington-Fayette Urban County Government
Room 338, Government Center
200 East Main Street
Lexington, KY 40507

Re: RFP #33-2012 RFQ for Professional Engineering Services
Category 1: Equalization Tanks or Basins

Dear Mr. Slatin:

GRW has a long history of providing planning, design and construction administration services for municipal wastewater and stormwater systems. Our comprehensive, in-house services assure a quality product, and our business philosophy of providing ***close, personal service*** will result in a smooth project experience for LFUCG.

The attached SOQ summarizes GRW's applicable water resources experience, and highlights projects which I believe are relevant to LFUCG's Category 1: Equalization Tanks or Basins. In regard to GRW's qualifications, I offer the following which I believe distinguishes GRW from our competitors.

Experience: For nearly 50 years, GRW's professionals have delivered fiscally responsive and operationally efficient water resources design solutions by working in partnership with locally elected officials, wastewater and stormwater service providers, and state environmental and health administrators. For your evaluation, we have provided a partial summary of our equalization basin and tank design experience in Sections 2 and 5 of this SOQ.

Local Project Team: GRW is an employee-owned, full service, multidiscipline engineering, architectural and planning design firm with more than 220 staff members. Headquartered in Lexington, Kentucky, GRW has multiple offices in Kentucky, Ohio, Indiana, Tennessee, and Texas. We have more than 140 employees, representing a wide range of disciplines and based in Lexington, including the entire proposed team for the Equalization Tanks or Basins Contract.

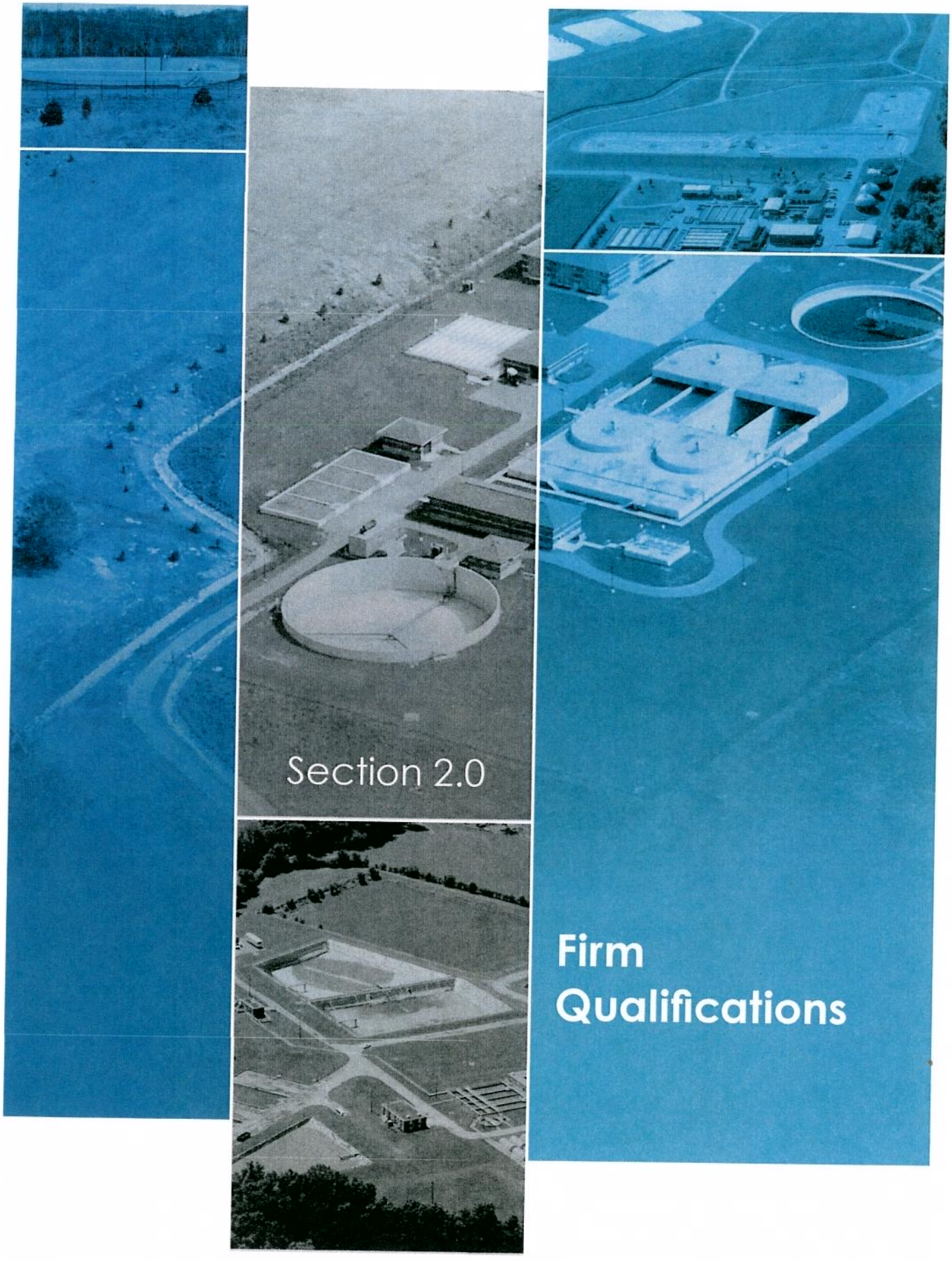
Service: While GRW offers the resources to successfully complete your projects, we are able to maintain our business philosophy of providing personalized service on a daily basis. I invite you to contact our client references listed in Section 4 for information regarding our past and current performance.

Finally, please contact me if you have questions regarding our experience. I certainly look forward to the opportunity of working with you and your staff.

Sincerely,

Bob Smallwood

Bob Smallwood, PE
Vice President



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Section 2.0

Firm Qualifications

2.0 Firm Qualifications

Founded in 1965 by Mr. G. Reynolds Watkins to provide wastewater and water system planning and design services, GRW is an employee-owned, full service, multidiscipline engineering, architectural and planning design firm with more than 220 staff members. Headquartered in Lexington, Kentucky. GRW has multiple offices in Kentucky, Ohio, Indiana, Tennessee, and Texas. We have more than 140 employees, representing a wide range of disciplines, based in Lexington, including the entire proposed team for the Equalization Tank and Basin Design Contract. In addition, our wastewater engineering staff is supported by GRW's Lexington-based, in-house team of more than 40 architectural, mechanical/HVAC, electrical/instrumentation, civil/site and structural professionals. With these extensive resources, GRW can complete most projects including planning, design and construction inspection with total in-house local staffing.

GRW has completed several past projects and has several current on-going assignments for wastewater equalization tank and basin projects, including overflow pump stations. **Our experience provides equalization facilities to 10 MG and pump stations to 1,200 MGD in capacity.** Our equalization/ storage and pumping designs consist of numerous types of concrete and earthen basins. **For your evaluation, we have provided an experience summary at the end of this section; please see Section 5 for detailed examples of equalization basin/tank and pump station designs associated directly with the experience of our proposed project team.** The GRW proposal for Category 6, Conventional Large Pump Station Design, provides additional detail of our extensive pump station design experience.

GRW Designs Combine Technology, Functionality and Attention to Detail. Our multidiscipline staff expertise allows GRW to provide a full array of operation, pumping, and storage options with the correct blending of technology, function, and attention to detail. Several considerations exist for the development of an equalization/storage projects. The following provides a brief description of the decision-making process associated with wastewater equalization/storage projects.

- Determination of historical mass balance flow vs. equalization/storage relationships
- Selection of magnitude of wastewater flow and quantity of equalization/storage
- Equalization operational selections:
  - Gravity Flow In – Gravity Flow Out
  - Gravity Flow In – Pump Out
  - Pump In – Gravity flow Out
- Equalization basin material selection consideration – below- ground structural concrete, below-ground earthen/membrane lined, above-ground steel or glass lined steel, above-ground structural concrete, above-ground prestressed concrete, above-ground earthen membrane lined.
- Basin lining option considerations – HDPE earthen membrane lining systems, special concrete coatings, polyethylene linings for concrete basins, no lining, etc.
- Odor control applications of all technologies, including chemical wet scrubber, carbon adsorption, and biofiltration systems.
- Hazardous gas monitoring and alarm systems
- Cover and odor containment options
- Cleaning options
- Mixing/aeration options

GRW fully understands the issues and needs associated with equalization/storage and pumping systems. GRW designs will provide a comprehensive, economical, and reliable solution for your application.

Count on GRW for Code-Compliant Designs. The GRW staff also understands the criticality of providing code compliant designs for reliable system operation and worker safety concerns. **It is imperative for an Owner to select a firm, such as GRW, that fully understands all aspects of the applicable codes and guidelines for wastewater tanks, basins, and pump station building facilities,** such as:

- International Building Code (IBC)
- Kentucky Building Code (KBC)
- National Electric Code (NEC)
- National Electrical Safety Code (NESC)
- Kentucky Plumbing Code
- National Fire Protection Association Guideline 820, Standard for Fire Protection in Wastewater Treatment and Collection Facilities (NFPA 820)
- Recommended Standards for Wastewater Facilities (10 States Standards)

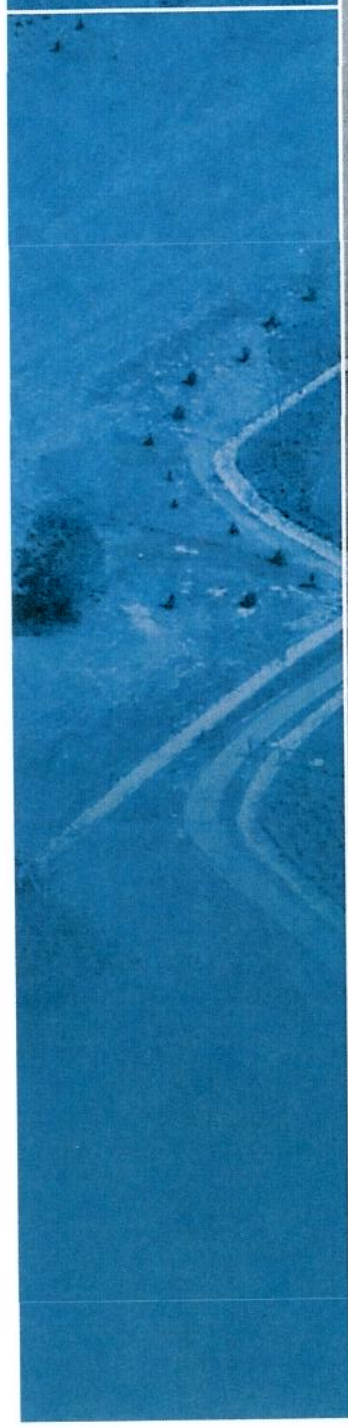
GRW Provides Decades of Kentucky Wastewater Funding Experience. GRW also has nearly 50 years of experience with the financing and funding aspects of wastewater facilities. The GRW staff has worked with virtually every funding agency and mechanism possible concerning the financing and funding of these projects. It is understood a large portion of the project funding for these projects will be through the Kentucky Infrastructure Authority Clean Water State Revolving Fund (KIA CWSRF). In fact**, GRW worked with the KIA on Kentucky's first CWSRF Fund A project.** GRW is very experienced in preparing the contract documents in accordance with the CWSRF requirements, preparing post-bid authority to award packages, conducting Davis-Bacon wage employee field interviews, performing compliance payroll review, and submitting all monthly and final documentation and pay estimates in accordance with the program guidelines. **GRW understands not only the planning and design components, but also the need to provide full service and understanding to our clients for their funding needs.**

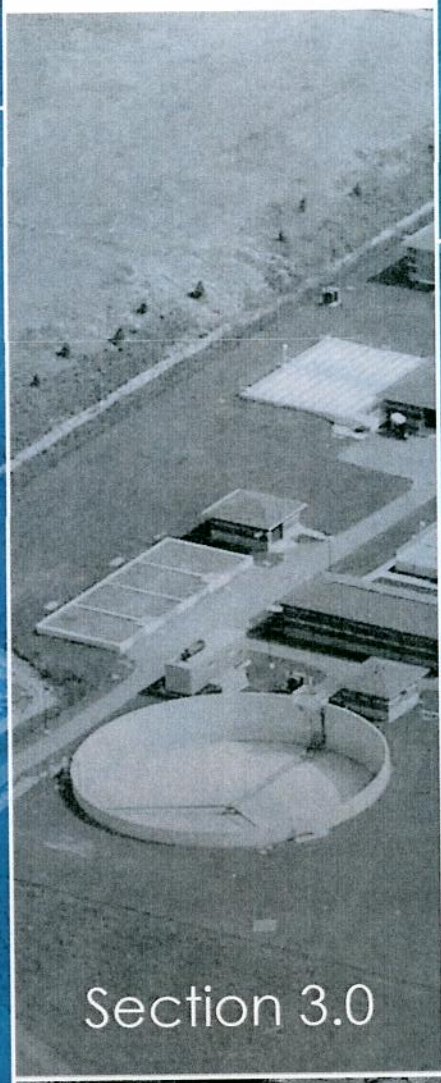
GRW's Experience Sets Us Apart. Our professional staff is headquartered in Lexington, Kentucky, and available to you for immediate impromptu meetings and response to questions that often arise in the planning, design, and construction of wastewater projects. The GRW staff is committed to providing technical excellence and personal service to our clients as a guiding principle. This dedication to service has resulted in repeat clients providing 90 percent of GRW's current workload.

EQ Storage and Pump Station Partial Experience Summary

- Fairfield, OH WWTP - 9.0 MG EQ Basin & 25.0 MGD Overflow Pumping Station (OPS)
- Frankfort WWTP - 10.0 MG EQ Basin & 20.0 MGD OPS [(1)]
- Harrodsburg WWTP – 3.6 MG EQ Basin & 5.0 MGD OPS
- Wausau Paper/Harrodsburg WWTP – 2.0 MG EQ Basin
- Lawrenceburg WWPS – 2.0 MG EQ Basin & 3.0 MGD OPS [(1)]
- Burkesville WWPS – 0.75 MG EQ Basin & 1.2 MGD OPS [(1)]
- SD1 Eastern Regional Reclamation Facility – 2.0 MG EQ Basin, shown below
- McKee WWTP – 0.1 MG EQ Basin
- Harriman, TN WWTP – 1.0 MG EQ Basin
- Martin, TN WWTP – 4.0 MG EQ Basin
- Oliver Springs, TN WWTP – 0.2 MG EQ Basin
- Indianapolis, IN WWPS – 4.0 MG EQ Basin
- Crane, IN WWTP – 1.5 MG EQ Basin & 2.0 MGD OPS [(1)]

[(1)] Currently in design, bidding, or construction phase





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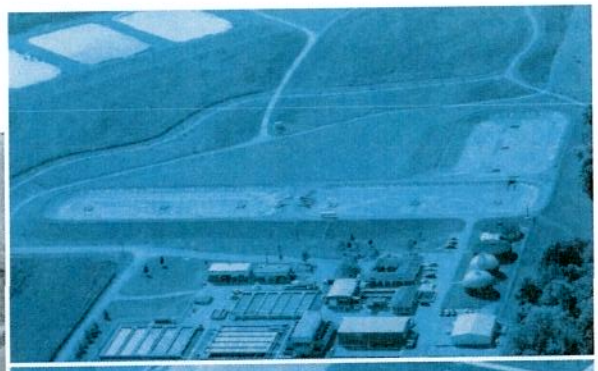

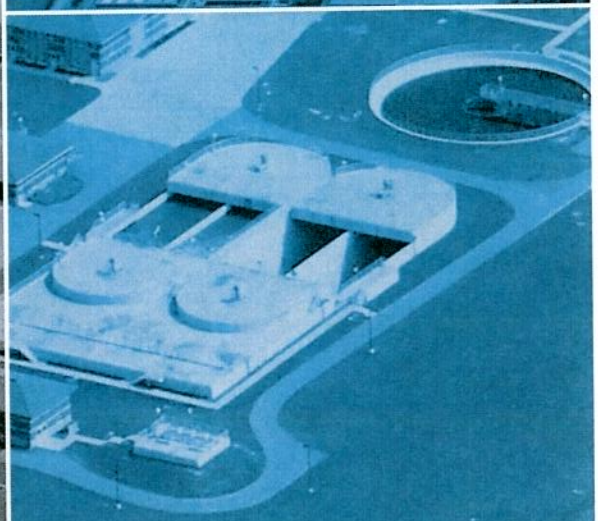

Project Team

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3.0 Project Team

Team Introduction

GRW is a full service, multidiscipline engineering, architectural and planning design firm with more than 220 staff members including a team **of 60+ water resource professionals.** Representing a wide range of disciplines, **our headquarters office in Lexington includes 140+ employees.** In addition, our water resource engineers are supported by **GRW's Lexington-based, in-house team of more than 40 architectural, mechanical, electrical/ instrumentation, civil/site and structural professionals.** With these extensive resources, GRW can complete most projects including planning, design and construction inspection with total in-house staffing.

Local Design and Project Management: For the LFUCG Equalization Tanks or Basins Contract, GRW will serve as the prime consultant and coordinator for the project. **All of GRW's work for this contract will be performed in our Lexington office and managed by Lexington-based employees: Project Manager, Bob Smallwood, PE, and Assistant Project Manager John Martin, PE.**

Our Local Subconsultants: Teaming with GRW are several Lexington-based firms, with which GRW has previously worked. In order to **meet or exceed LFUCG's 10% DBE participation goal**, our team includes two DBE firms. An overview of our local teammates includes:

- **Hall-Harmon Engineers (local DBE firm)** Project Surveys/Existing Utility Location and Deed, Research/Easement Preparation, Resident Inspection
- **Third Rock Consultants (local DBE firm)** Landscape Design/Streambank Restoration and Environmental Consultant
- **Cultural Resource Analysts** Archeological/Historical Consultant
- **Consulting Services Incorporated (CSI)** Geotechnical/Materials Engineering

Hall-Harmon Engineers, Inc. (HHE) is a Lexington-based firm specializing in civil engineering and land surveying with major emphasis in transportation facilities, site development, site utilities and land surveying. HHE has extensive experience with providing engineering design and surveying services on various types of LFUCG projects as both prime consultant and subconsultant. The firm's LFUCG work involving surveying, roadway design, bike lane/trail design, storm water and sanitary sewer design makes HHE very familiar with LFUCG Practices and Policies, Standard Drawings and Infrastructure Manuals. HHE currently employs three engineers, three engineering/CADD technicians and survey field crew with the potential to expand, as the workload requires. The firm has been a **certified DBE/WBE with Kentucky Transportation Cabinet (KYTC)** for the past 15 years, and is also **LFUCG DBE certified.** Examples of HHE's LFUCG project experience include:

- Updated 201 Plan Update - subconsultant for engineering services
- Cane Run Trunk Sewer System Rehabilitation - subconsultant for surveying services
- Jacobson Park Sewer Easements - prime consultant for sanitary sewer easement preparation
- West Hickman Creek Trunk Sewer System Rehabilitation - subconsultant for surveying services
- South Elkhorn Subwatershed Trunk Sewer System Rehabilitation - subconsultant for surveying services
- West Hickman WWTP Upgrade - subconsultant for surveying and engineering design services

Third Rock Consultants, LLC (Third Rock), with offices is Lexington (headquarters) and Louisville, Kentucky; and Nashville and Knoxville, Tennessee was established in the fall of 2000 in response to the increased need for innovative, yet professional environmental consulting services. Third Rock is recognized as a leading environmental firm in the

region, achieving this distinction through a combination of superior technical skills and commitment to meeting their clients' needs. Third Rock's services have focused on support services for engineering projects, biological and ecological analyses, environmental permitting, stream mitigation design, and NEPA documentation. The firm serves a wide range of private and public clients, including water quality focused projects for the Division of Environmental Quality and Public Works. **Third Rock's staff is well versed in the consent decree and remedial measures plans** that have been developed and is prepared to provide the services needed to support GRW's engineering professionals. **Third Rock is an LFUCG-certified DBE.**

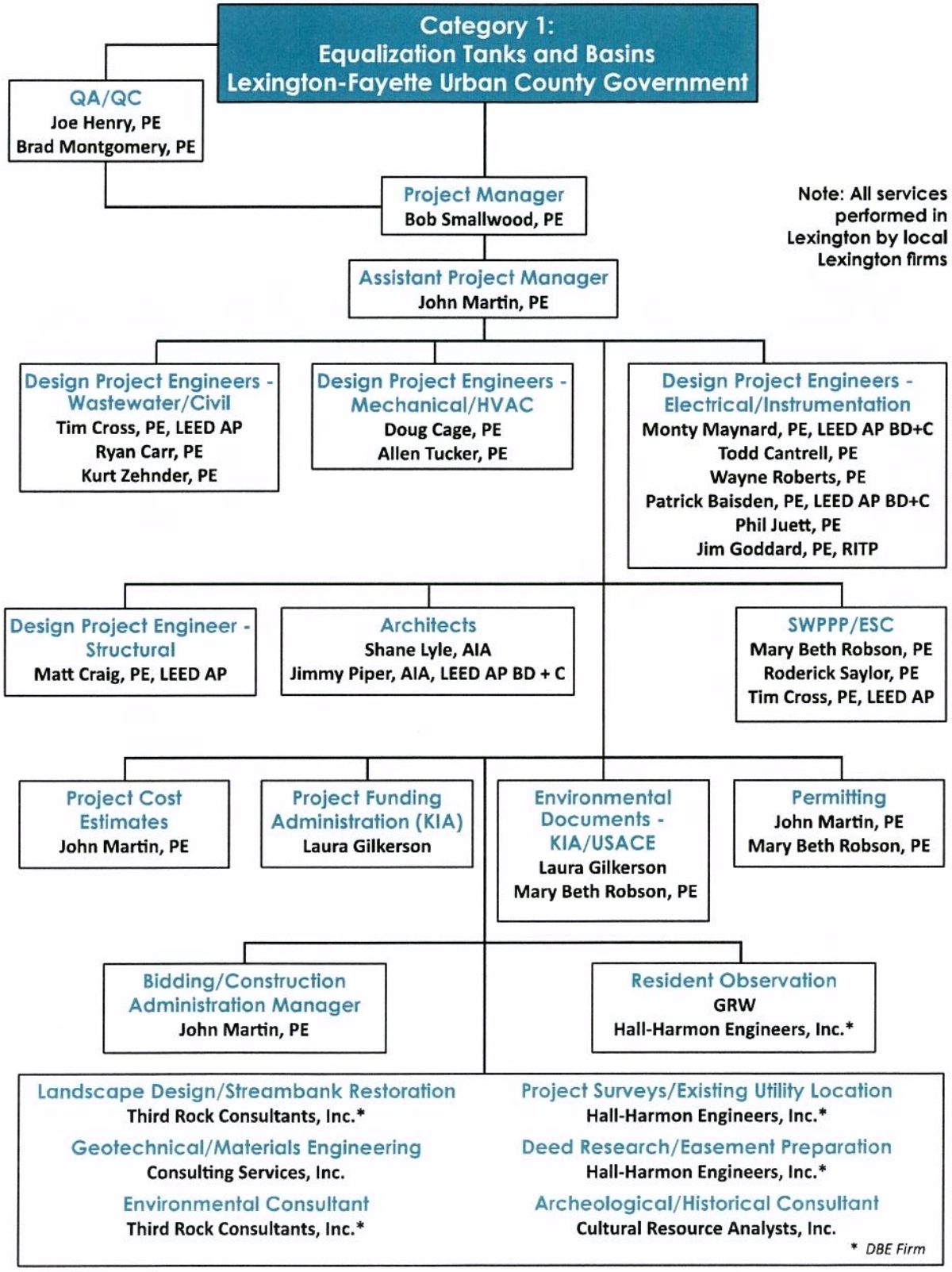
Consulting Services Incorporated (CSI) is headquartered in Lexington and employs approximately 40 team members. Their staff includes Professional Engineers and ICC-certified Special Inspectors who have over 300 years of combined experience in geotechnical, construction and materials engineering, testing and IBC special inspection fields. CSI can provide the following geotechnical and engineering services: geotechnical exploration/soils reports; site assessments for permitting/civil design; pavement studies and design; site specific seismic studies for international building code (IBC); geophysical studies; and soil & rock drilling/sampling. Also, CSI's in-house materials laboratory is certified by AASHTO (AMRL/AAP R-18), US Army Corp of Engineers and the Kentucky Transportation Cabinet to provide testing for concrete, soils, aggregates, masonry, asphalt and steel.

Cultural Resource Analysts, (CRA) is a leading, full-service, historic preservation company with corporate offices in Lexington. Having built an extensive knowledge and experience base, CRA is recognized as the premier firm when a company seeks efficient, professional work. For over 26 years, CRA has been conducting cultural resource management services for both public and private sector clients for a variety of development types, some of which include airports, mines, military installations, oil and gas development, pipelines, private development, quarries, reservoirs, telecommunication towers, transmission lines, transportation, utilities, and wind farms. The firm offers a full range of technical expertise for the identification, documentation, evaluation, and protection of historic buildings, structures, and landscapes.

Risk Management Plan

We understand LFUCG's concern regarding the possibility that a key project team member (i.e., Project Manager, Assistant Project Manager, Electrical/Instrumentation Project Engineer) may need to be replaced prior to completion of a Task Order. The size and staff level of GRW's local Lexington headquarters office provides multiple replacement options of seasoned, experienced design professionals if this unlikely event were to occur. GRW's Project Manager, Mr. Bob Smallwood, PE, has 38 years of wastewater system engineering experience (all with GRW's local office) including nine prior EQ basin project while serving either as Project Engineer, Project Manager or Principal-in-Charge. Our local Lexington engineering staff includes: John Martin, PE (26 years experience, 13 with GRW), Joe Henry, PE, (32 years experience, 27 with GRW), Brad Montgomery, PE (30 years experience, 30 with GRW), Alan Bryan, PE (20 years experience, 15 with GRW). All of these engineers have prior EQ basin design experience and would be able to "step up" if needed. GRW also has a veteran staff of six electrical/instrumentation engineers who could serve a similar role in the electrical/instrumentation design of EQ basins and/or related pumping/flow control facilities. In summary, GRW has multiple options if replacement of a key team member (all of whom have decades of related experience in GRW's local Lexington office) were required.

Organizational Overview: The organizational chart noted below summarizes **GRW's 100 percent local team**, including our project management and QA/QC team, engineering and technical staff, subconsultants and DBE team members.



Project Team Qualifications and Resume Summaries

The following table summarizes personnel qualifications and also provides a resume summary for each key GRW team member. The team member's listed experience examples include the project name, employee's project responsibility/role and project completion date. Please note that experience examples marked with an asterisk denote projects highlighted in Section 5.0, "List of Projects: Similar Design Services."

GRW Key Personnel (All Team Members Located in Lexington)
Project Team Qualifications / Resume Summaries

Team Member and Contract Responsibility	Years Experience With Firm/Total	Experience Examples Team Member's Role and Date*
Bob Smallwood, PE Project Manager	38/38	▪ SD1 ERWRF 2.0 MG EQ Basin / PIC / 2008* ▪ Frankfort WWTP 10.0 MG EQ Basin / QA/QC / 2012-13* ▪ Fairfield WWTP 9.0 MG EQ Basin / PM / 1999* ▪ Lawrenceburg WWTP 2.0 MG EQ Basin / PIC / 2012-13* ▪ Crane WWTP 1.5 MG EQ Basin / PM / 2012* ▪ Harrodsburg WWTP – Wausau Paper 2.0 MG EQ Basin / PIC / 2012*
John Martin, PE Asst. Project Manager, Permitting, Cost Estimates, Bidding/ Construction Manager	13/26	▪ Frankfort WWTP 10.0 MG EQ Basin / PM / 2012-13* ▪ Lawrenceburg WWTP 2.0 MG EQ Basin / PM / 2012-13* ▪ Martin WWTP 0.12 MG EQ Basin / PE / 1991
Joe Henry, PE QA/QC	27/32	▪ Frankfort WWTP 10.0 MG EQ Basin / PIC / 2012-13* ▪ Fairfield WWTP 9.0 MG EQ Basin / PE / 1999*
Brad Montgomery, PE QA/QC	30/30	▪ SD1 ERWRF 2.0 MG EQ Basin / PM / 2008*
Monty Maynard, PE, LEED AP BD+C Electrical/Instrumentation	16/35	▪ SD1 ERWRF 2.0 MG EQ Basin / EE / 2008* ▪ Frankfort WWTP 10.0 MG EQ Basin / EE / 2012-13* ▪ Fairfield WWTP 9.0 MG EQ Basin / EE / 1999* ▪ Lawrenceburg WWTP 2.0 MG EQ Basin / PE / 2012-13*
Todd Cantrell, PE Electrical/Instrumentation	6/8	▪ Crane WWTP 1.5 MG EQ Basin / EE / 2012* ▪ Harrodsburg WWTP – Wausau Paper 2.0 MG EQ Basin / EE / 2012*
Matt Craig, PE, LEED AP Structural	4/22	▪ Crane WWTP 1.5 MG EQ Basin / SE / 2012* ▪ Frankfort WWTP 10.0 MG EQ Basin / SE / 2012-13*
Laura Gilkerson, PE Funding Administration, Environmental Docs.	20/28	▪ Frankfort WWTP 10.0 MG EQ Basin / FA / 2012-13* ▪ Lawrenceburg WWTP 2.0 MG EQ Basin / FA / 2012-13* ▪ Harrodsburg WWTP – Wausau Paper 2.0 MG EQ Basin / FA / 2012*

Denotes project example from Section 5.0, List of Similar Design Services Projects

Team Member's Role Key: PIC=Principal-in-Charge, PM=Project Manager, APM=Assistant Project Manager, PE=Project Engineer, SE=Structural Engineer, ME=Mechanical Engineer, EE=Electrical Engineer, RA=Architect, QA/QC=Quality Assurance/Quality Control, FA=Funding Administration

Bob Smallwood PE, PLS

GRW Vice President / Project Manager

Years of Experience: 38 **Years with GRW:** 38

Education

B.S., Civil Engineering, 1974, UK
M.S., Sanitary Engineering & Hydraulics, 1976, UK

Registration

Prof. Eng.: KY, IN, OH, NC, PA, WV, GA
Prof. Land Surveyor: KY

Qualifications and Similar Project Experience

Mr. Smallwood has 38 years of experience in planning and design of wastewater systems. He has directed the design phase for 50+ sewer system projects, including large pump stations and sewers, and 20 wastewater treatment plant projects **including nine equalization basin projects**. He has also led the development of more than 12 facility plans for municipal wastewater systems and treatment plants.

Equalization Basins/Tanks and Pump Stations

- Sanitation District No. 1 Eastern Regional Water Reclamation Facility: 2.0 MG Wet Weather Flow Equalization Basin, Alexandria, KY - Principal
- Frankfort Wastewater Treatment Plant: 10.0 MG Wet Weather Flow Equalization Basin and 20.0 MGD Overflow Pumping Station, Frankfort, KY - QA/QC
- Fairfield Wastewater Treatment Plant: 9.0 MG Wet Weather Flow Equalization Basin and 25 MGD Broadview Overflow Pumping Station, Fairfield, OH – Project Manager
- Lawrenceburg Wastewater Treatment Plant: 2.0 MG Wet Weather Flow Equalization Basin and 3.0 MGD Overflow Pumping Station, Lawrenceburg, KY - Principal
- Crane Wastewater Treatment Plant: 1.5 MG Wet Weather Flow Equalization Basin and 2.0 MGD Overflow Pumping Station, Crane Naval Base, IN - Project Manager
- Harrodsburg Wastewater Treatment Plant: 3.6 MG Two-Cell Wet Weather Flow Equalization Basin and 5.0 MGD Overflow Pumping Station, Harrodsburg, KY – Principal
- Harrodsburg Wastewater Treatment Plant: Industrial (Wausau Paper) Process Waste 2.0 MG Flow Equalization and Cooling Basin, Harrodsburg, KY - Principal
- Burkesville Wastewater Treatment Plant: 0.75 MG Wet Weather Flow Equalization Basin and 1.2 MGD Overflow Pumping Station, Burkesville, KY – Principal

Additional Related Experience

- Lexington Expansion Area 2A Watershed Pumping Station and Force Mains, Lexington, KY - Principal
- Lexington Lower Town Branch Watershed Interceptor Sewers, Force Main and Pumping Station, Lexington, KY - Project Manager
- Lexington North Elkhorn Watershed Force Main and Pumping Station, Lexington, KY - Principal
- Lexington 30 MGD Town Branch Wastewater Plant Upgrade (aeration improvements), Lexington, KY - Project Manager
- Paducah-McCracken Joint Sewer Agency Perkins Creek Watershed Pump Station and Force Main, Paducah, KY- Principal
- Paducah-McCracken County Joint Sewer Agency 17 MGD Terrell Street CSO Pump Station/Wastewater Treatment Plant Headworks Improvements, Paducah, KY - Principal
- Paducah-McCracken County Joint Sewer Agency Wastewater Treatment Plant Improvements (9 MGD), Paducah, KY - Principal
- Corbin Municipal Utilities Wastewater Treatment Plant (9 MGD), Corbin, KY - Project Manager
- South Dearborn Regional Sewer District Wastewater Treatment Plant Upgrade and Expansion (6.0 MGD), Lawrenceburg, IN - Project Manager

John Martin, PE

GRW Assistant Project Manager

Years of Experience: 26 **Years with GRW:** 13

Education

B.S., Civil Engineering, Tennessee Tech. University

Registration

Professional Engineer: KY, TN, OH

Qualifications and Similar Project Experience

Mr. Martin has extensive experience in the planning, design and construction administration of wastewater system engineering projects. In his 26 years as a water resources engineer, he has served as either Project Engineer or Project Manager for over 35 projects which have included infiltration/inflow studies, sewer system evaluation surveys, 201 Facilities Plans, design of stormwater management systems, sanitary sewer collection systems, pump stations, force mains, equalization basins and wastewater treatment plants. This experience includes work for clients such as the cities of Frankfort, Lawrenceburg, Versailles, KY, as well as the Louisville MSD and Sanitation District No. 1.

Equalization Basins/Tanks and Pump Stations

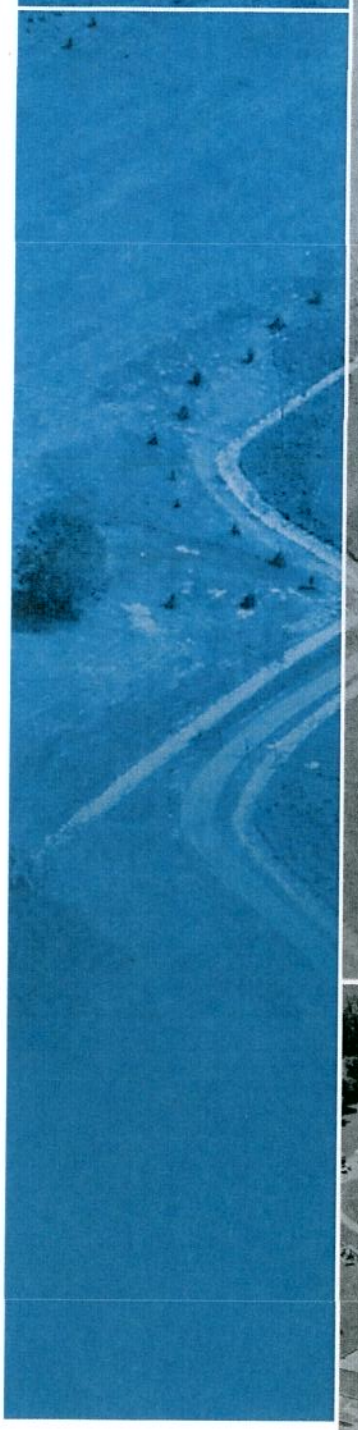
- Frankfort Wastewater Treatment Plant: 10.0 MG Wet Weather Flow Equalization Basin and 20.0 MGD Overflow Pumping Station - Project Manager
- Lawrenceburg Wastewater Treatment Plant: 2.0 MG Wet Weather Flow Equalization Basin and 3.0 MGD Overflow Pumping Station - Project Manager
- Martin Wastewater Treatment Plant: 0.12 MG Wet Weather Flow Equalization Basin - Project Manager

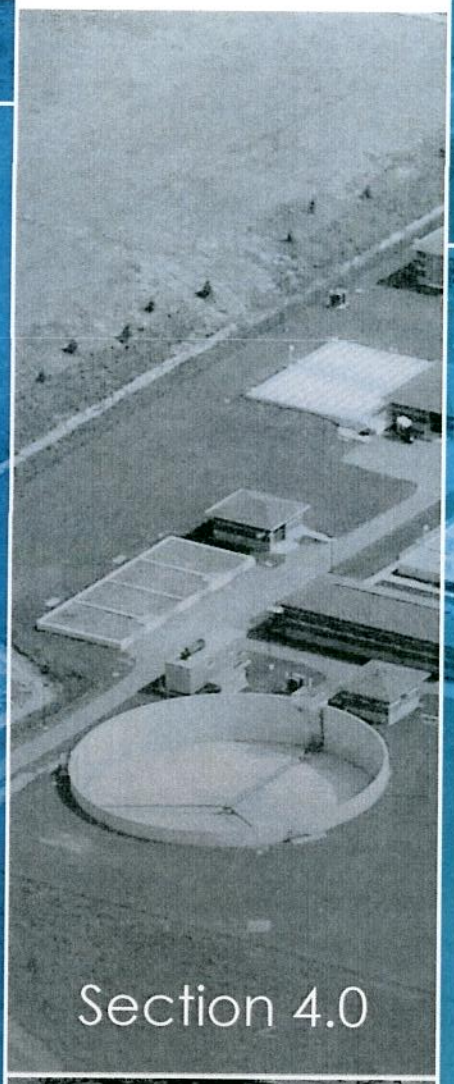
Wastewater Treatment Plants

- Sanitation District No. 1 Western Regional Water Reclamation Facility (20 MGD), Boone County, KY - Project Manager
- Fairfield Wastewater Treatment Plant Upgrade and Expansion (10 MGD), Fairfield, OH - Project Manager
- Louisville MSD West County Wastewater Treatment Plant Expansion (30 MGD), Louisville, KY - Project Engineer
- Murray Bee Creek Wastewater Treatment Plant Expansion (8.75 MGD), Murray, KY - Project Engineer
- Wastewater Treatment Plant Expansion (9.9 MGD), Frankfort, KY - Project Manager
- Sludge Management Treatment Facilities, Frankfort, KY - Project Manager
- Solids Processing Facilities, Winchester, KY - Project Manager
- Midway Wastewater Treatment Plant (1.125 MGD), Midway, KY - Project Manager
- Vanceburg Wastewater Treatment Plant Expansion (0.41 MGD), Vanceburg, KY - Project Engineer
- Falmouth Wastewater Treatment Plant Leachate Evaluation, Falmouth, KY - Project Manager.
- Solids Processing Treatment Facilities, Versailles, KY - Project Manager

Additional Project Management Experience

- Southwest Interceptor Sewer System, Lawrenceburg, KY - Project Manager
- Western Trunk Interceptor, Lawrenceburg, KY - Project Manager
- Glenview Pump Station and Force Main, Lawrenceburg, KY - Project Manager
- Frankfort Pump Station Improvements, Frankfort, KY - Project Manager.





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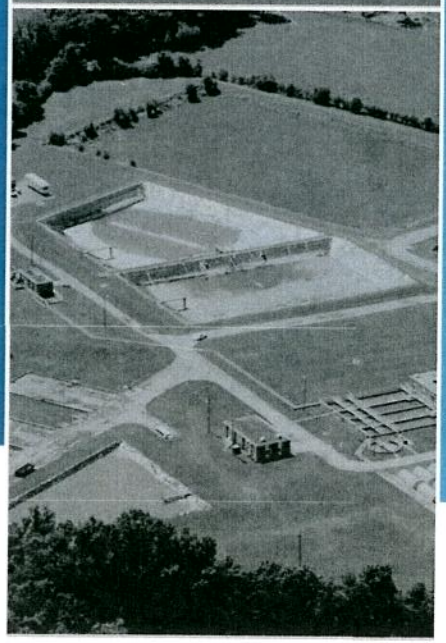

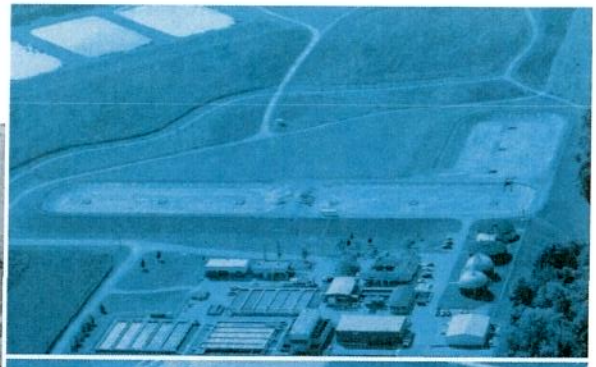

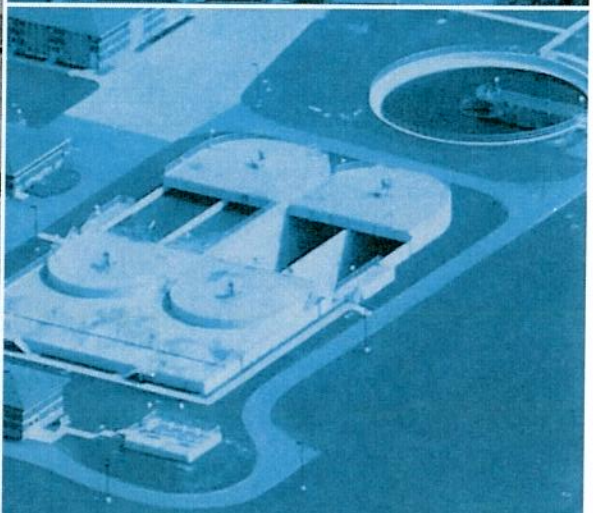

List of Clients: Similar Work

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4.0 List of Clients: Similar Work

This section contains contact information regarding clients for which GRW has designed similar flow equalization projects.

Sanitation District No. 1 of Northern Kentucky: Eastern Reg. Water Reclamation Facility: 2.0 MG Wet Weather Flow Equalization Basin

Reference: Mark Wurschmidt, Deputy Executive Director of Engineering, Sanitation District No. 1, (859) 578-6762, mwurschmidt@sd1.org

City of Fairfield, Ohio: Fairfield Wastewater Treatment Plant: 9.0 MG Three-Cell Wet Weather Flow Equalization Basin and 25 MGD Broadview Overflow Pumping Station

Reference: Dave Crouch, Public Utilities Director, City of Fairfield, OH, (513) 858-7775, dcrouch@fairfield-city.org

City of Harrodsburg, Kentucky : Harrodsburg Wastewater Treatment Plant: 3.6 MG Two-Cell Wet Weather Flow Equalization Basin and 5.0 MGD Overflow Pumping Station, and Harrodsburg Wastewater Treatment Plant, Industrial (Wausau Paper) Process Waste 2.0 MG Flow Equalization and Cooling Basin (two separate projects)

Reference: Eddie Long, Mayor, City of Harrodsburg, KY, (859) 734-7705, mayor@harrodsburgcity.org

City of Frankfort, Kentucky: Frankfort Wastewater Treatment Plant: 10.0 MG Wet Weather Flow Equalization Basin and 20.0 MGD Overflow Pumping Station *

Reference: Bill Scalf, PE, Director, Frankfort Sewer Department, (502) 875-2448, WScalf@frankfort.ky.gov

*Under design, bidding scheduled for Spring 2013

Department of the Navy (NAVFAC Midwest), Crane, Indiana: Crane Wastewater Treatment Plant: 1.5 MG Wet Weather Flow Equalization Basin and 2.0 MGD Overflow Pumping Station *

Reference: Louis Warren, Naval Surface Warfare Center, (812) 854-3972, louis.warren@navy.mil

*Design completed, bidding scheduled for December 2012

City of Lawrenceburg, Kentucky: Lawrenceburg Wastewater Treatment Plant: 2.0 MG Wet Weather Flow Equalization Basin and 3.0 MGD Overflow Pumping Station *

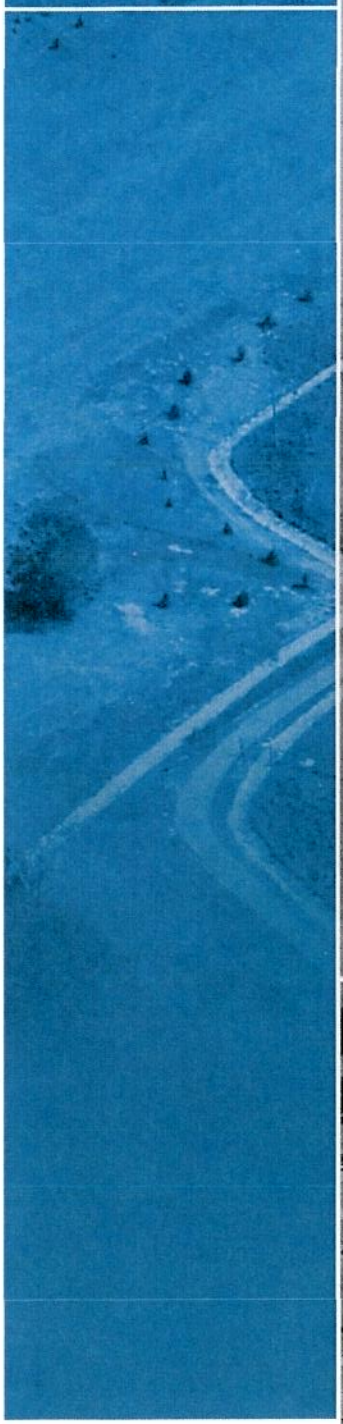
Reference: Edwina Baker, Mayor, City of Lawrenceburg, KY, (502) 839-5372, ebaker@lawrenceburgky.org

*Under design, bidding scheduled for Spring 2013

City of Burkesville, Kentucky: Burkesville Wastewater Treatment Plant: 0.75 MG Wet Weather Flow Equalization Basin and 1.2 MGD Overflow Pumping Station*

Reference: Keith Riddle, Mayor, City of Burkesville, KY, (270) 864-5391, cityofburkesville@yahoo.com

*Under design, bidding scheduled for Spring 2013



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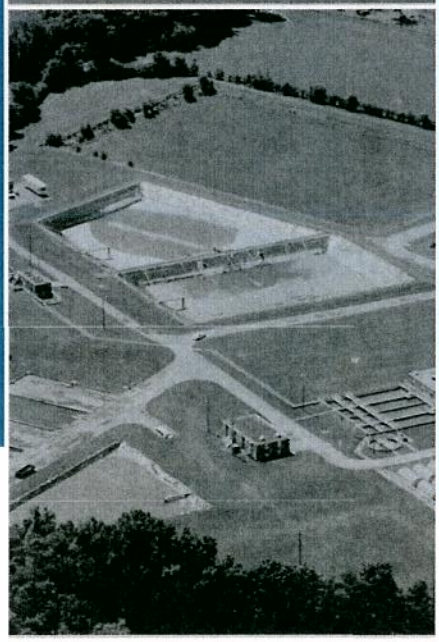

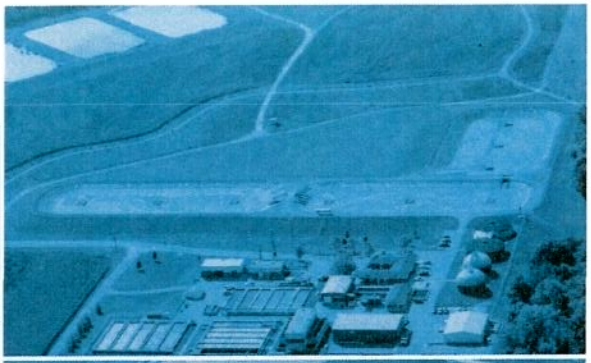

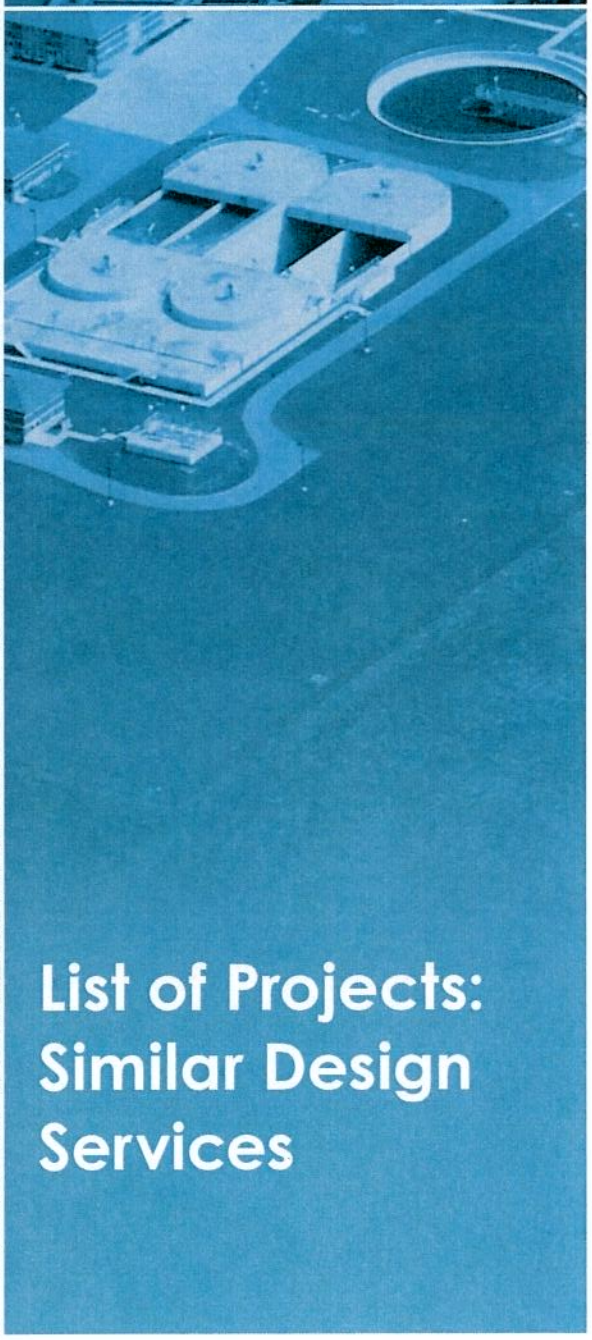

List of Projects: Similar Design Services

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5.0 List of Similar Design Services Projects

The following list of similar design projects provides information highlighting the project scope, services provided, proposed project team involvement, date and construction cost.

Eastern Regional Water Reclamation Facility: 2.0 MG Wet Weather Flow Equalization Basin, Sanitation District No. 1 of Northern Kentucky			
Date	**Services Provided**	**Construction Cost**	**Project Team Participation**
2008	Planning, Design, Construction Admin., O&M Manual	$2,800,000 (Estimated construction as part of $32 M new WWTP)	Bob Smallwood, Brad Montgomery, Monty Maynard

Project Scope: This KIA-funded project included a side stream 2.0 MG wet weather flow equalization basin. The pre-stressed, wire-wound, circular concrete basin was constructed approximately 2/3 in ground and 1/3 above ground. Utilizing jet aeration (Jet Tech) for aeration and mixing, the storage basin is designed for "gravity flow in-gravity flow out." Temporarily stored flows are returned to the plant liquid stream by gravity (to the raw sewage pumping station) by either manual or SCADA flow controls. The wet weather storage is an essential part of SD1's Consent Decree Compliance Program, and has eliminated 7,000,000 gallon of untreated wastewater discharged to the environment on an annual basis.

Frankfort Wastewater Treatment Plant: 10.0 MG Wet Weather Flow Equalization Basin, City of Frankfort, Kentucky			
Date	**Services Provided**	**Construction Cost**	**Project Team Participation**
2012/2013	Design, Construction Administration	$10,500,000 (Estimated, bidding scheduled for Spring 2013)	Bob Smallwood, John Martin, Joe Henry, Monty Maynard, Laura Gilkerson

Project Scope: The project team of GRW (Prime) and HMB Engineers is currently designing a KIA-funded, 10.0 MG wet weather flow equalization basin and an associated 20.0 MGD overflow pumping station. The project includes a pre-stressed, wire-wound, circular concrete above ground sidestream wet weather storage basin and a 20.0 MGD tri-plex submersible, divided wet well overflow pumping station, both of which will be constructed at the existing Frankfort Wastewater Treatment Plant. Due to poor subsurface conditions on the Kentucky River site, drilled shaft encased concrete piers are required to provide structural support for the above ground basin. Temporarily stored flows are returned to the plant raw sewage pumping station by gravity. Return flow control is accomplished either manually or with SCADA control. The proposed project is a major element of Frankfort's Consent Judgment Compliance Program.

Fairfield Wastewater Treatment Plant: 9.0 MG Wet Weather Flow Equalization Basin, City of Fairfield, Ohio			
Date	**Services Provided**	**Construction Cost**	**Project Team Participation**
1999	Planning, Design, Construction Administration	$9,150,000	Bob Smallwood, Joe Henry, Monty Maynard

Project Scope: This project included construction of a 9.0 MG, three-cell, sidestream wet weather flow equalization basin at the Fairfield WWTP. The associated 25.0 MGD Broadview Overflow Pumping Station was constructed near the geographic center of Fairfield, approximately 3.5 miles from the Fairfield WWTP, which is located on the northwest side of the city (Little Miami River discharge). The multi cell storage basin was constructed in the river floodplain of earthen embankment construction with membrane linings. The EQ basins are equipped with post-moored, floating mechanical aerators for aeration/mixing, and have

a gravity flow outlet manually controlled to the treatment plant raw sewage pumping station. The Broadview Overflow Pumping Station is uniquely designed with a divided wet well with two (2) submersible dry weather pumps discharging to a 16-inch force main and three (3) submersible VFD - controlled wet weather pumps discharging through a 36-inch force main to the EQ basin at the plant. The wet weather flow equalization basin is a key element of Fairfield's wet weather abatement program which has successfully eliminated over 20 chronic wet weather bypasses and allowed the lifting of Region V USEPA sanctions. **The success of the program was evident during April 2011 when Fairfield received a record total of over 16 inches of rainfall and no overflows were experienced during the month which included several large magnitude rain fall events.**

2.0 MG Wet Weather Flow Equalization Basin, City of Lawrenceburg, Kentucky			
Date	**Services Provided**	**Construction Cost**	**Project Team Participation**
2012/2013	Design, Construction Administration	$2,000,000 (Estimated, bidding scheduled for Spring 2013)	Bob Smallwood, John Martin, Monty Maynard, Laura Gilkerson

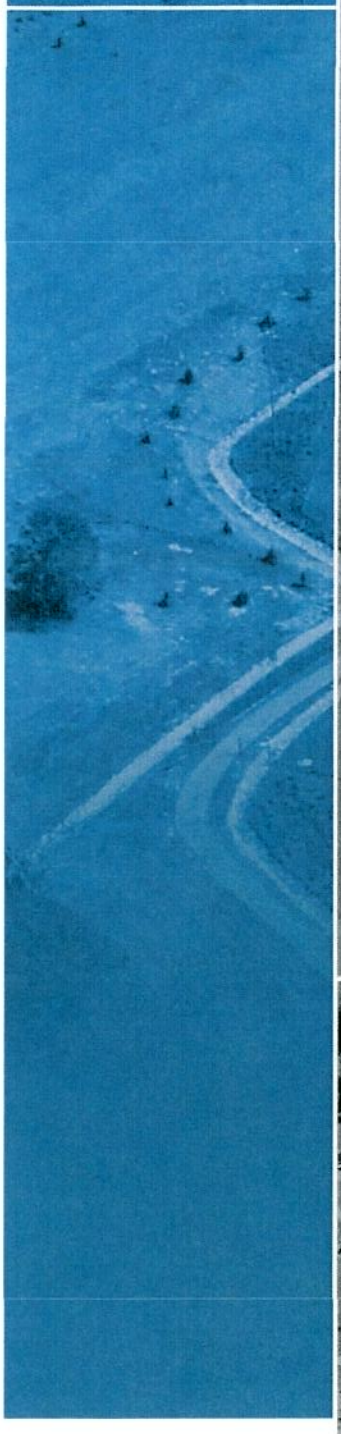
Project Scope: This KIA-funded project involves a collection system side stream, 2.0 MG wet weather flow equalization basin. The above ground, pre-stressed, wire-wound, circular concrete basin is located approximately 1.5 miles upstream of the Lawrenceburg WWTP and is adjacent to the largest existing interceptor sewer that flows to the plant. The storage facility will also have a 3.0 MGD duplex overflow, duplex submersible pumping station. Return flow control is accomplished either manually or with SCADA control.

Crane Wastewater Treatment Plant: 1.5 MG Wet Weather Flow Equalization Basin, Department of the Navy (NAVFAC Midwest), Crane, Indiana			
Date	**Services Provided**	**Construction Cost**	**Project Team Participation**
2012	Design, Construction Administration	$2,000,000 (Estimated, bidding scheduled for December 2012)	Bob Smallwood, Todd Cantrell, Matt Craig

Project Scope: This project is a sidestream, 1.5 MG wet weather flow equalization basin. The storage basin consists of a membrane-lined, earthen basin which will be constructed at the existing Crane IN Wastewater Treatment Plant. The project also includes a duplex, submersible 2.0 MGD overflow pumping station. The storage basin utilizes three (3) post-moored, floating mechanical aerators for mixing and aeration. Outlet flow control (by gravity to the plant headworks) is accomplished either manually or by SCADA flow control.

Wausau Paper Industrial Process Waste 2.0 MG Flow Equalization and Cooling Basin, City of Harrodsburg, Kentucky			
Date	**Services Provided**	**Construction Cost**	**Project Team Participation**
2012	Design, Construction Administration	$700,000	Bob Smallwood, Todd Cantrell, Laura Gilkerson

Project Scope: This KIA-funded project is a 2.0 MG, sidestream industrial process waste flow equalization and cooling basin. Located at the Harrodsburg WWTP, the EQ basin is a membrane-lined, earthen basin and has six (6) small floating mechanical aerators for aeration/mixing and cooling. Industrial waste flows from Wausau Paper are equalized for diurnal flow changes and for periodic high flow "process change over" events. The project cost was significantly reduced by the utilization of an older abandoned earthen tertiary treatment lagoon. The EQ basin uses manual or SCADA flow control. Equalized flows are discharged by gravity to the WWTP raw sewage pumping station.



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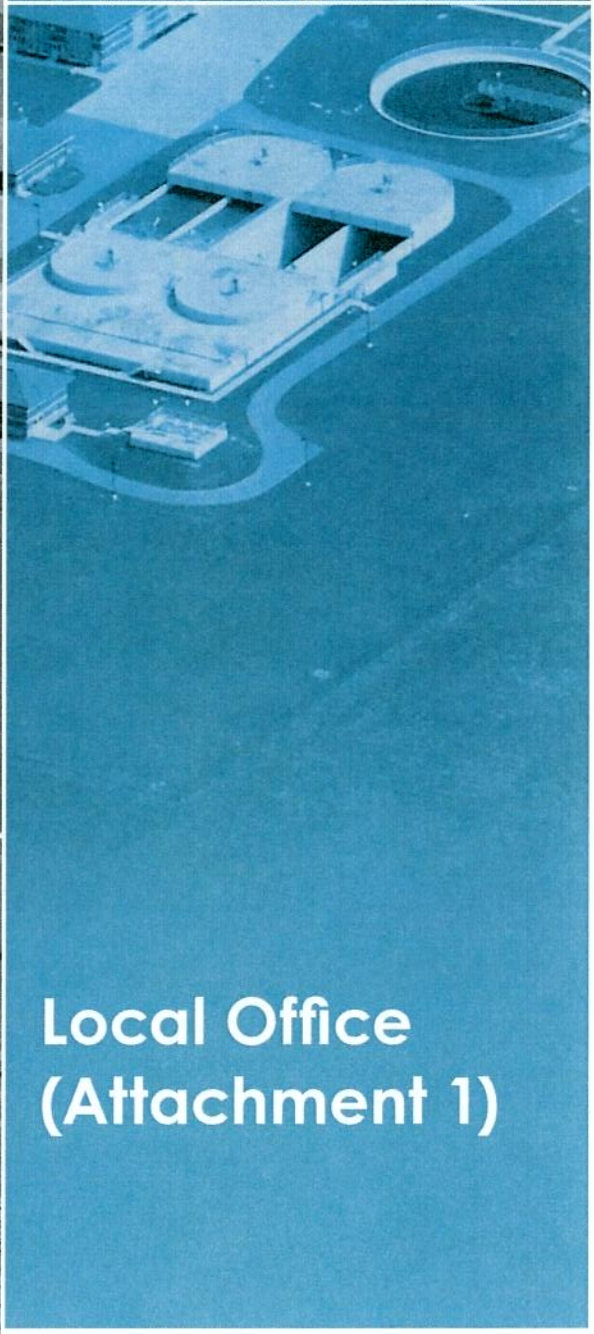

Local Office (Attachment 1)

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6.0 Local Office (Attachment 1)

All work (100%) for LFUCG's Remedial Measure's Plan projects – including work in all categories (1-6) and by all disciplines – will be performed at GRW's corporate offices in Lexington, KY.

Because our headquarters is GRW's local office, we have provided LFUCG with the total number of GRW employees firm wide (226), and the number of local employees at our headquarters/Lexington office (143). This information is shown below in Attachment 1.

Attachment 1

Project Team Location(s)

Prime Consultant	Location (City, State)	Date Office Established	Total Number of Employees	No. of Employees expected to work on DWQ projects
Headquarters (3)	Lexington, KY	1965	226 (3)	Est. 8-12
Local Office (3)	Lexington, KY	1965	143 (3)	Same
PM Location	Lexington, KY			
Subconsultants Name:				
Service Provided				
Headquarters				
Local Office				
Name:				
Service Provided				
Headquarters				
Local Office				
Name:				
Service Provided				
Headquarters				
Local Office				

Notes:

1. "Headquarters" refers to the corporate office that provides project support to the local office, if applicable. If support comes from multiple locations, use the blank spaces in the form to provide relevant information.

2. Listing of sub-consultants is optional and should only be provided if the prime consultant considers the sub-consultant(s) services to be essential to meeting the required qualifications. In this event, documentation from the subconsultant(s) shall be submitted in the SOQ that provides a commitment to be a part of the prime consultant's team in providing the stated services. In such cases, for the purpose of evaluating the proposals, committed sub-consultants will be considered to be part of the prime consultant's workforce. Prime consultants face potential disqualification from future work if DWQ finds that the identified sub-consultants are not being utilized to deliver assigned work products.

3. Total number of employees 226, 143 located in GRW's Lexington headquarters office.

Section 7.0

DBE Involvement and LFUCG Participation Form

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7.0 DBE Involvement / LFUCG Participation Form

GRW will assign not less than 10% of the total value of work conducted under LFUCG's RMP projects to our team of certified DBE subcontractors. Our goals and our subconsultant assignments are shown here.

LFUCG MBE/WBE PARTICIPATION FORM
Bid/RFP/Quote Reference # 33-2012

The MBE/WBE 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.

MBE/WBE Company, Name, Address, Phone, Email	Work to be Performed	Total Dollar Value of the Work	% Value of Total Contract
1. Hall-Harmon Engineers, Inc. 1081 Dove Run Rd, Ste 203 Lexington KY 40502 Kitty Hall-Harmon, PE, PLS 859-269-3150	Field Surveys/ Easement Descriptions/ Utility Location/ Resident Observation (1)	(1)	7% - 9% (1)
2. Third Rock Consultants, LLC 2526 Regency Rd, Suite 180 Lexington, KY 40503 Molly F. Davis 859-977-2000 mforee@thirdrockconsultants.com	Environmental Investigations, Landscape Design/ Streambank Restoration (1)	(1)	1% - 3% (1)
3.			
4.			

(1) GRW is committed to meet the LFUCG's 10% MBE/WBE participation goals. Actual MBE/WBE percentages and associated dollar value will vary depending on specific project details, project scope and size.

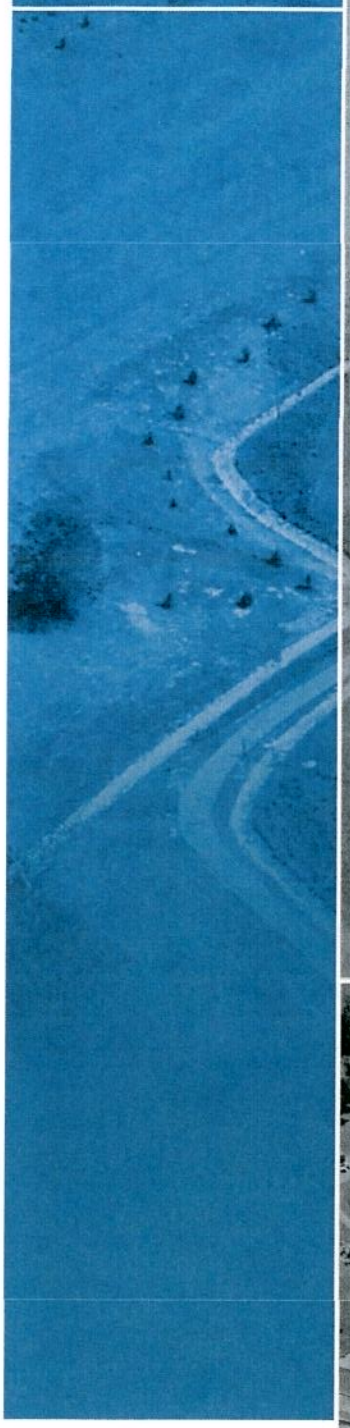
The undersigned company representative submits the above list of MBE/WBE firms to be used in accomplishing the work contained in this Bid/RFP/Quote. Any misrepresentation may result in the termination of the contract and/or be subject to applicable Federal and State laws concerning false statements and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

GRW
Company

Bob Smallwood
Company Representative

11/12/2012
Date

Vice President
Title



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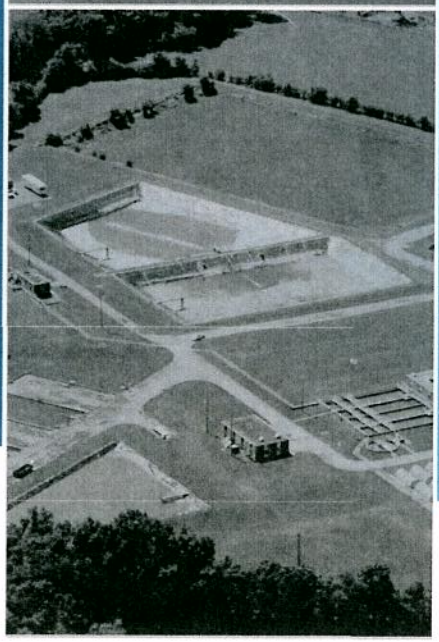

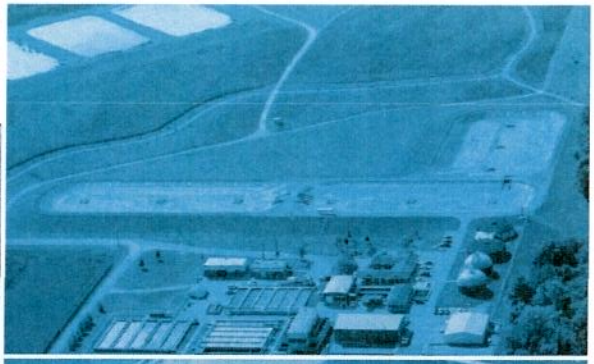

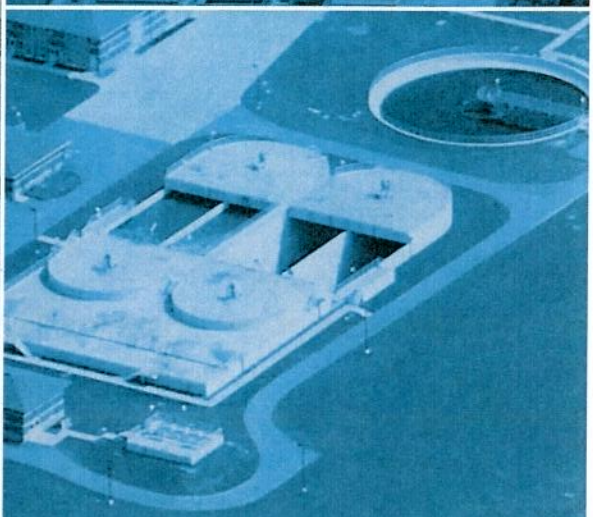

Statement of Hourly Rates

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8.0 Statement of Hourly Rates

Hourly Rate Schedule Remedial Measures Plan and Related Projects	
Job Classification	**Hourly Rate**
Principal	$165.00
Project Manager	$165.00
Project Engineer (PE)	$145.00
Project Engineer (EIT)	$110.00
Engineering Technician/CAD Technician	$85.00
Survey Crew (2 Man)	$98.50
Clerical	$45.00

Note: All of GRW's assigned project staff work in GRW's local Lexington office. In addition, all of our selected subconsultants are based in Lexington.

- There will be ***no*** travel expenses (mileage, etc.).
- There will be ***no*** lodging expenses.
- There will be ***no*** meals or "Per Diem" expenses.
- Printing/reproduction costs will be reimbursed at actual cost.