

Blues, Chair
Stinnett, Vice Chair
Gorton
Farmer
Crosbie
Myers
McChord
Martin
Henson
Lane

A G E N D A

Environmental Quality Committee

November 22, 2011

1:00 P.M.

- | | |
|---|---------|
| 1. Remedial Measures Plan Implementation Phase | (1-23) |
| 2. Sanitary Sewer Private Property issue - Farmer | (24-28) |
| 3. Keep Lexington Beautiful Commission | (29-48) |
| 4. Environmental Quality Projects Update | (49-50) |
| 5. Items Referred | (51) |

“Environmental Quality Committee, to which shall be referred matters relating to the Department of Environmental Quality and its divisions, and any related partner agencies.”

-Council Rules & Procedures, Section 2.102(1)

Committee Schedule 10:00 AM, except noted
December 6



Presentation for

Remedial Measures Plans Implementation Phase

**LFUCCG Environmental
Quality Committee**

November 22, 2011

HAZEN AND SAWYER
Environmental Engineers & Scientists



Stantec



Agenda



- Project Team
 - Roles
 - Qualifications
- Scope of Implementation Contract
- Challenges and Strategies
- Project Schedules
- Cost & Schedule Controls



Program Management Structure

Consent
Decree

Sanitary Sewer
Capital Projects

Rod Chervus
Rick Day

Hazen and
Sawyer

Stormwater
Capital Projects

Mark Fischer

GRW Engineers

Sanitary Sewer
Operations
(CMOM)

Rod Chervus

Hazen and
Sawyer

Stormwater
Operations

Susan Plueger

Tetra Tech

Sanitary Sewer
Capacity

TBD

January 2012
procurement

Sanitary Sewer Capital Construction Consultants



- **Hazen and Sawyer**

- Founded in 1951; Headquarters in New York City
- Nearly 750 employees in 35 offices across US, Central and South America
- \$7 billion in construction projects last 5 years

- **CDM**

- Founded in 1947; Headquarters in Cambridge, Massachusetts
- Nearly 6,000 employees in 120 offices worldwide
- \$40 billion in construction projects last 5 years

- **Stantec**

- Founded in 1954; US Headquarters in Rochester, New York
- Nearly 11,000 employees in 170 offices worldwide
- \$17 billion in construction projects last 5 years

Team Qualifications



- Capacity Assessment, SSA, and Remedial Measures consultants
- Wet weather experience – 42 programs in Eastern US; 18 in Region 4
- Project staff have combined 50+ years experience with LFUCG sanitary sewer system
- All Team members have Lexington offices with a combined 170+ staff members

Similar PM Experience

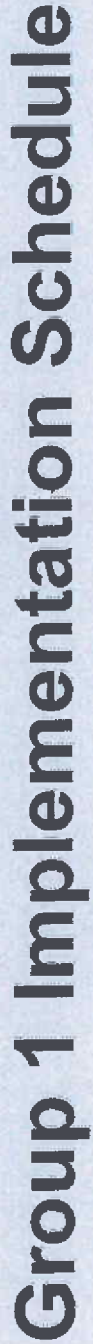


- SD1 of Northern KY
- Miramar, FL
- Knoxville
- Cincinnati MSD
- Pittsburgh (ALCOSAN)
- Miami-Dade, FL
- Onondaga County, NY
- Columbus, OH
- Victoria, BC

Schedule / Cost Management



- Establish procedures and stay consistent
- Communicate
 - Assign primary contacts
 - Progress meetings
 - Special called meetings
- Update
 - Critical path items
- Document
 - RFIs
 - Change order proposals
 - Contingency planning
 - Construction schedules
 - Electronic document controls
 - Manage email communication

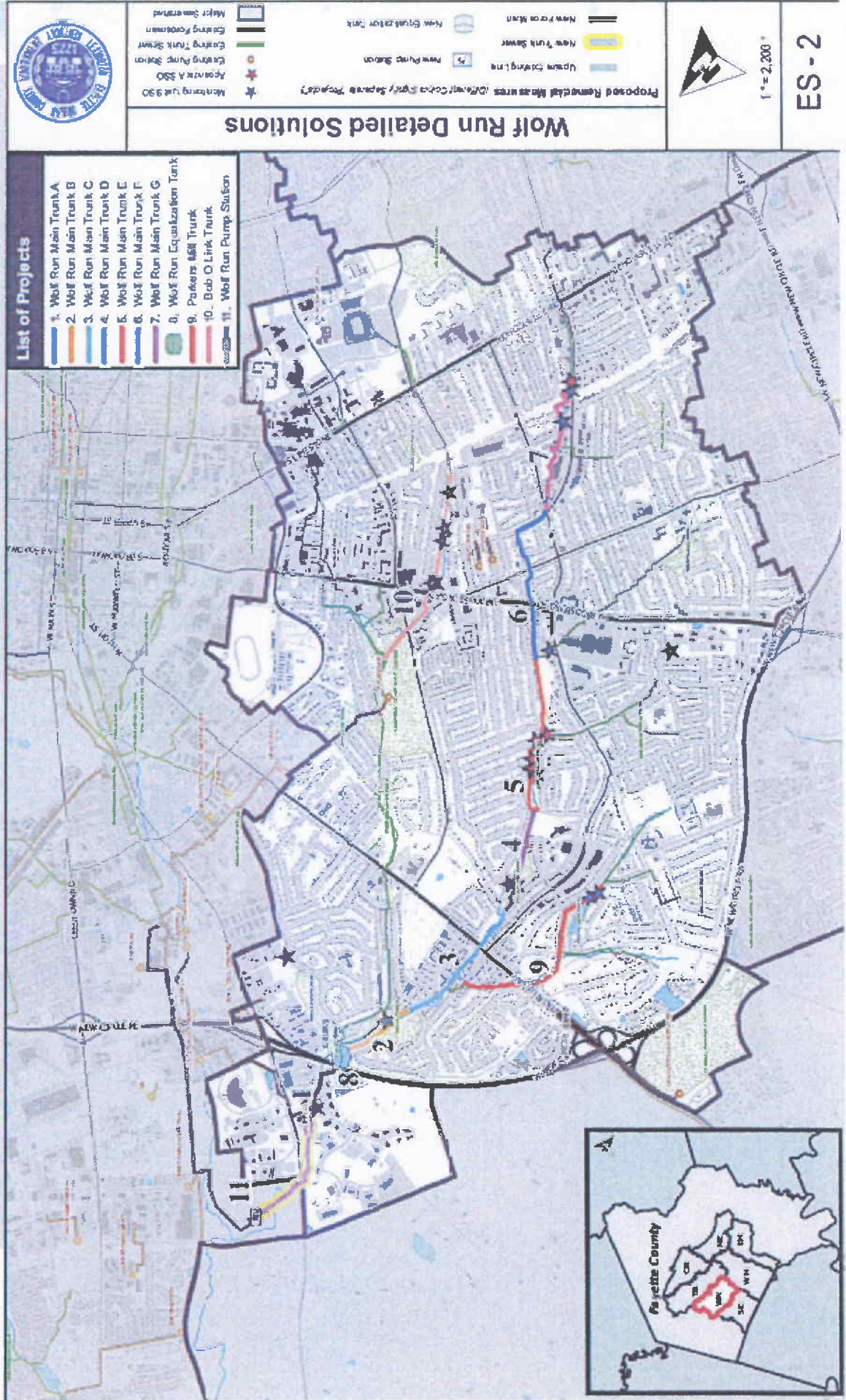


INTERIM

October 12, 2011

Fig. ES-5

Wolf Run Implementation Plan



Bob o' Link Project Plan

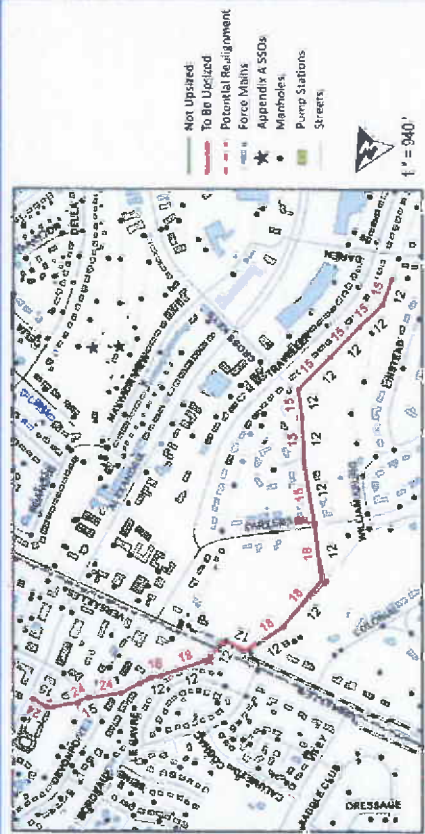


Parkers Mill Trunk Sewer Replacement

Watershed	Wolf Run / Sub-basin WR2
Project ID	GR1-WR-9
Project Type	Sewer Trunk Upsizing
Project Quantities	Total Length: Approximately 5,333 ft. 891' of 24", 2,248' of 18", 2,194' of 15"
Lower Manhole ID(s)	WR1_102A
Upper Manhole ID(s)	WR2_266A
Predecessor Projects	GR1-WR-7A, GR1-WR-7, GR1-WR-7B
Preliminary Capital Cost Estimate	\$ 2,069,895 (Includes design, easements, construction, administration)
Design Schedule	TBD
Construction Schedule	TBD
SSOs Eliminated by Project	WR2_389
Notes	

Potential Realignment at Versailles Road Crossing.

Location Map



*Red Numbers indicate new pipe diameter in inches; Black Numbers indicate existing pipe diameter in inches.

Sample project data sheet. Similar documents are provided for 44 Group 1 projects.

Implementation Scope (2F)

Design Elements



- Design scoping documents / RFP
- Assist in consultant selection and negotiations
- Management of design process
 - Progress meetings and minutes
 - Review / approve design plans
 - Constructability reviews
 - Schedule management
 - Cost control

Implementation Scope (2F)

Construction Elements



- Assist in bidding – monitor schedule
- Pre-construction meetings
- Construction progress meetings
- Monitor construction schedule
- Monthly reporting
- Manage overall implementation schedule



Proposed Process Modifications

- **Engineering Procurement**
 - Prequalifications for various project types
 - Confirm qualifications for firms
 - Work with each firm's strengths; supplement their weaknesses
 - Reduce typical duration by 6 weeks

Proposed Process Modifications



• Property Acquisition

- Remove bottlenecks and streamline process
- Unit prices for easements (no appraisals)
- No council action for easements; administrative policy change to require only Mayor's signature
- No change to fee simple policies
- Be willing to initiate condemnation if necessary

Critical Challenges – Schedule / Cost / Quality



- Consultant procurement - streamline
- Design standards (consistency and QA)
- Facility siting (i.e. EQ basins)
- Stakeholder involvement
- Easements - streamline
- Permits (i.e. KDOW capacity)
- Construction contract procurement
- Management of multiple construction contracts

Design Strategy



- Expedite design process (RMP concepts)
- Specifications and Standard Drawings
 - Rehab work – pipes and manholes
 - New pipelines – gravity and force mains
 - Pump stations, including electrical and I&C
- Public acceptance – don't get derailed
- Communication, including monthly fact sheets to Mayor and Council
- Expedite easement acquisition condemn if necessary
- Funding issues – RMP cash flow plan

Construction Strategy



- UPCs for pipeline construction
- Standard forms and methods
- Maintain shop drawing logs
- Electronic document controls
- Change order controls
- Accountability – designers and contractors

Risk Identification



- EPA approval of RMPs
- Capacity of design consultants
- Property acquisition
- Regulatory approval capacity
- Capacity of local contractors
- Contingency planning
- QA/QC

Cost Controls



- Design
 - Follow RMP concepts
 - Standard specifications and details
 - RD fee curves should be close
- Construction
 - Constant oversight
 - Change order proposals (COPs)
 - Construction observation (consultant or LFUCG)
 - Communication (including special meetings)
 - Documentation

RD Fee Curves

- Sliding scale frequently used to estimate engineering fees
- Typical Calculation:
 - Estimated construction = \$2 million
 - Design = \$2 million x 9.45% = \$189,000
 - Inspection = \$2 million x 4.60% = \$92,000



Agreement For Engineering Services
Form RD 1942-19 - Kentucky Attachment I
(Revised 1-31-05)

Kentucky Bulletin 1780-1
Attachment No. 1

KENTUCKY USDA/RURAL DEVELOPMENT UTILITY PROGRAM FEE SCHEDULE

The following are Tables I and II which define the fees for Professional Engineering Services and Resident Project Representatives respectively. These tables are to be utilized in conjunction with projects using the "Engineers Joint Contract Documents Committee (EJCDC) documents for Project Contract Documents.

FEES FOR PROFESSIONAL ENGINEERING SERVICES PERCENTAGE OF CONSTRUCTION COST

TABLE I - BASIC DESIGN

These fees shall pertain to projects requiring complex or detailed engineering design. This will include sewage treatment plants, sewage collection systems, sewage lift stations, water treatment plants, water distribution mains and appurtenances, water pump stations, water storage facilities and renovations of water and sewer facilities.

NET CONSTRUCTION COST \$	PERCENTAGE FEE
100,000	14.00
200,000	12.20
300,000	11.25
400,000	10.70
500,000	10.30
600,000	9.73
700,000	9.45
800,000	9.20
900,000	9.00
1,000,000	8.85
2,000,000	7.65
3,000,000	7.22
4,000,000	6.90
5,000,000	6.75
6,000,000	6.65
7,000,000	6.55
8,000,000	6.45
9,000,000	6.40

Fees for less complex projects such as light industrial buildings, roads, streets, storm drains 24 inches and larger, and appurtenances related thereto shall be 85% of the above Table I percentages.

Surveys for design such as topography, profiles, cross sections, and soundings (not to exceed six feet in depth) to estimate the amount of rock excavation are included in the basic service instead of being classified as additional services.

Schedule Controls



- Design
 - Follow RMP scope; control scope creep
 - Standard specifications and details
 - Progress meetings
 - Poor performance: lose place on prequal list
- Construction
 - Construction milestones (critical path)
 - Schedule updates – agenda items at every progress meeting
 - Documentation
 - Enforce liquidated damages if necessary

Critical Success Factors



- Monthly partnering meetings – DWQ, Finance, Program Manager
- Effective use of local consultants and contractors
- Strong project management
- Cash flow management
- Changes to LFUCG standard practices

Questions?



ORDINANCE NO. ____ - 2011

AN ORDINANCE RELATING TO DISCHARGES OF SURFACE OR GROUNDWATER INTO THE URBAN COUNTY SANITARY SEWER SYSTEM AND CREATING ARTICLE VIII OF CHAPTER 16 OF THE CODE OF ORDINANCES (SECTIONS 16-111 THROUGH 16-115) TO ENSURE ADEQUATE ENFORCEMENT TO DETER AND PREVENT INTRODUCTION OF SURFACE OR GROUND WATER INTO THE URBAN COUNTY SANITARY SEWER SYSTEM; TO PROHIBIT DISCHARGE OF SURFACE OR GROUND WATER INTO THE SEWER SYSTEM AS A CONDITION OF INITIAL OR CONTINUED SANITARY SEWER SERVICE; TO PROVIDE THAT URBAN COUNTY GOVERNMENT REPRESENTATIVES SHALL HAVE ACCESS AT ALL REASONABLE TIMES TO ENTER PROPERTIES FOR INSPECTIONS; TO PROVIDE FOR NOTICE OF PROHIBITED DISCHARGES TO OWNERS OR OCCUPANTS OF PROPERTY AND REQUIRE ABATEMENT; TO PROVIDE FOR A SUPPLEMENTARY SANITARY SEWER USER CHARGE IN THE AMOUNT OF \$75.00 ON ALL SANITARY SEWER USER CHARGE BILLINGS FOR THOSE PROPERTIES THAT DO NOT PERMIT URBAN COUNTY GOVERNMENT REPRESENTATIVES TO INSPECT AND THOSE THAT DO NOT ABATE AN UNAUTHORIZED CONDITION WITHIN SIXTY (60) DAYS UNTIL THE INSPECTION IS PERMITTED OR THE CONDITION IS ABATED; TO PROVIDE THAT FAILURE TO ABATE SUCH CONDITION MAY SUBJECT PROPERTY OWNERS TO CIVIL OR CRIMINAL PENALTIES; AND TO PROVIDE THAT THE SUPPLEMENTARY USER CHARGE IS IN ADDITION TO ANY FINES OR OTHER PENALTIES IMPOSED UNDER APPLICABLE LAW.

WHEREAS, the mission of the sanitary sewer collection and conveyance system of the Urban County Government includes safely and efficiently managing system hydraulic capacity, enhancing public health and safety, protecting lives and property, minimizing the unpermitted discharge of sewage from manholes and pump stations in compliance with applicable federal and state laws, and enhancing the natural resources of the community; and

WHEREAS, the Urban County Government, the United States Environmental Protection Agency, and the Commonwealth of Kentucky have entered into a Consent Decree in a case styled *United States, et al. v. Lexington-Fayette Urban County Government*, United States District Court for the Eastern District of Kentucky, Case No. 5:06-CV-00386, that requires LFUCG to implement an effective Sanitary Sewer System Wastewater Treatment Remedial Measures Plan and Sanitary Sewer System Capacity Assurance Program; and

WHEREAS, improper discharges of groundwater and stormwater from private property create substantial risks of detrimentally affecting sanitary sewer system capacity if not properly regulated;

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT:

Section 1 – That Article VIII of the Code of Ordinances be and hereby is created to read as follows:

ARTICLE VIII SANITARY SEWERS – PRIVATE INFILTRATION AND INFLOW

Sec. 16-111

The purpose of article VIII is ensuring adequate enforcement to deter and prevent the introduction of surface or groundwater into the sanitary sewer of the urban county government to reduce its impact on the capacity of sanitary sewer facilities of the urban county government and abate the consequential impacts on public health, welfare, and the environment.

Sec. 16-112

(a) Discharge of surface water or groundwater into the sanitary sewer system of the urban county government is prohibited. As a condition of initial or continued sewer service by the urban county government, owners and occupants of premises within Fayette County where there exists a sanitary sewer line which ultimately leads to the sanitary sewer system of the urban county government or where wastewater is discharged which ultimately flows into the sanitary sewer system of the urban county government shall allow representatives of the urban county government ready access at all reasonable times to all parts of the premises, whether inside or outside, for purposes of inspection to determine if surface water is discharged into the sanitary sewer system.

(b) Properly identified employees or other authorized representatives of the urban county government are authorized to enter any property, land, structure or building at all reasonable times for the purpose of performing an inspection(s) to determine if surface water or groundwater is discharged into the sanitary sewer system, subject to constitutional restrictions or unreasonable searches and seizures and may apply to the district court for a warrant allowing entrance and inspection.

(c) The division of water quality is authorized to create an inspection program related to such inspections to provide for a reasonable basis for performing inspections in the event that a discharge of surface water or groundwater into the sanitary sewer system is not directly observed.

Sec. 16-113

When it has been established that surface water or groundwater is being discharged into the sanitary sewer system of the urban county government, the urban county government shall cause to be served upon the owner or occupant of the property where such discharge is found to exist a written notice requiring such person to abate the discharge within sixty (60) days after service of the notice.

Sec. 16-114

(a) If proper notice has been provided and the urban county government's inspectors are refused access to property in order to perform a required inspection pursuant to section 16-112, it shall be presumed that an unauthorized connection to the sanitary sewer system of the urban county government exists at the subject property causing a discharge of surface water or groundwater. The urban county government shall, on all subsequent sanitary sewer user charge billings made to the property involved, add seventy-five dollars (\$75.00) per month until the urban county government is permitted to perform the required inspection.

(b) Upon failure of a person notified as provided in section 16-113 to abate a discharge of surface water or groundwater into the sanitary sewer system of the urban county government, the urban county government shall, on all sanitary sewer user

charge billings made to the property involved after the sixty-day period has expired, add seventy-five dollars (\$75.00) per month until the urban county government is satisfied that the discharge of surface water has been eliminated.

(c) The supplementary charge provided for in subsections (a) of this section shall be assessed against the receiver of the service, whether an occupant or an owner. The supplementary charge provided for in subsection (b) shall be assessed against the owner of the subject property. If no urban county government billings are otherwise made for the property in question, the owner shall be billed directly for the supplementary sanitary sewer user charge. Failure to timely pay said supplementary sanitary sewer user charge and other ancillary charges necessary to generate a separate bill shall be cause to terminate water service to the affected property pursuant to KRS 96.932.

(d) Failure to eliminate the discharge of surface water or groundwater into the sanitary sewer system within six (6) months of the date of notification pursuant to section 16-113 shall, in addition to the supplemental sanitary sewer user charge provided for in subsection (b) of this section, subject the owner of the affected property to civil penalties or criminal prosecution pursuant to Article XII of this chapter.

Sec. 16-115

The purpose of the supplementary charge made under the provisions of section 16-114 shall be for the additional service required to identify unauthorized discharges and additional services required by the discharge of surface water or groundwater into the sanitary sewer system and for the problems and damages created by excess flows received by sewage treatment facilities. Such charge is in addition to any fines or other penalties otherwise provided by any provisions of this Code, other ordinances of the urban county government, or by state law.

Section 2 – That this Ordinance shall become effective on the date of its passage.

PASSED URBAN COUNTY COUNCIL:

MAYOR

ATTEST:

CLERK OF THE URBAN COUNTY COUNCIL

PUBLISHED:

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Sanitary Sewer Private Property Inspection Program

Inspection

1. The proposed ordinance provides statutory authority to require inspection of all structures receiving sanitary sewer service from LFUCG.
2. Inspections will be targeted for all areas tributary to sanitary sewers not having the hydraulic capacity for a two (2) year – 24 hour storm event.
3. Upon completion of the inspection, the team will discuss the findings and provide a copy of the inspection report along with information on the cost sharing reimbursement program if repairs are required.
4. Failure to schedule or keep a scheduled inspection appointment does not relieve the sanitary sewer customer of responsibility to provide access to the property for inspection—see **Enforcement**.

Repair

1. Statutory authority to require repairs when an inspection finds illegal stormwater or groundwater discharges into the LFUCG sanitary sewer system.
2. Through a cost sharing program, LFUCG will reimburse property owner up to \$3,500 for required repairs.
3. Property owners will have sixty (60) days in which to correct or make significant progress toward correcting the improper or unauthorized connections noted in the inspection report.
4. Customer will need to schedule a follow-up inspection or provide LFUCG with evidence to document significant progress on repairs within sixty (60) days to avoid assessment of supplemental charges or to be reimbursed for work outlined in the inspection report.

Enforcement

1. Statutory authority to add a supplemental charge of \$75.00 per month to the sewer user fee bill for people who would rather pay a supplemental fee rather than allow LFUCG to inspect and identify corrective actions.
2. Statutory authority to add a supplemental charge of \$75.00 per month to the sewer user fee sixty (60) days after the inspection if the property owner chooses not to correct the problems identified in the inspection report—unless LFUCG grants extensions based on significant and substantive corrective actions.
3. Failure to pay the supplemental charge, in addition to all other charges due by the due date of the second notice will result in termination of water service to the affected property pursuant to KRS 96.932 or other legal action as provided by Ordinance.

2011 sanitary sewer rehabilitation efforts in the Beaumont Park (Wolf Run) area.

Fact: Review PVA records and identified potential addresses flow sump pump inspections. Mailed out 157 sump pump letters to residences upstream from the WR2_266 flow monitoring location. Only 8 responses received.

Fact: There was a total of \$800,000 spent rehabilitating the public sewers upstream of the WR2_266 flow monitoring location.

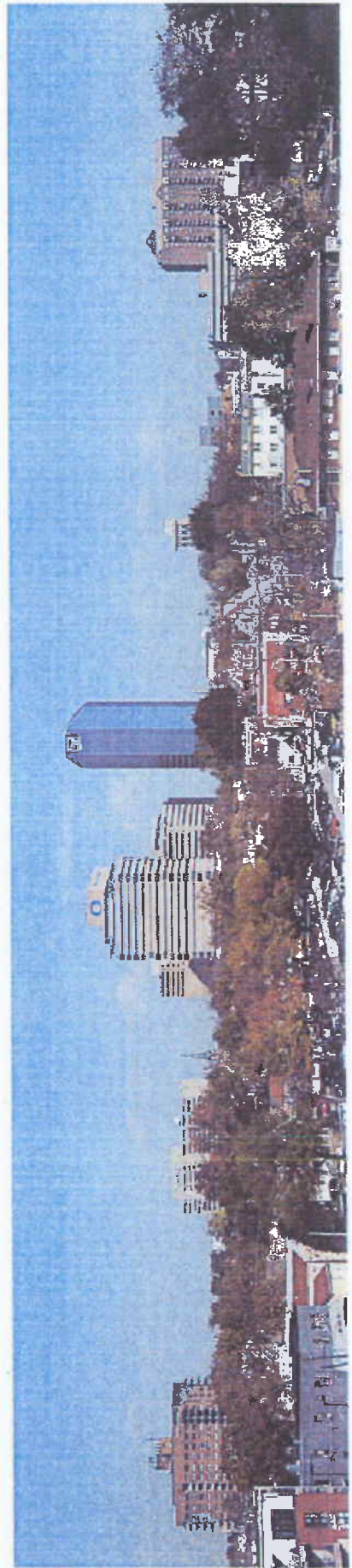
Analysis: Based on an annual precipitation of 45.7 inches, the estimated annual I/I reduction is 12.4 MG. This corresponds to a cost of \$64.5/1,000 gallons of annual I/I removed. Based on numbers from a similar nearby utility, the average annual cost to treat this water is \$1.20/1,000 gallons. **Using this value, LFUCG will save approximately \$14,900 per year in treatment costs which results in a payback period of almost 54 years.** Typically a 20-year payback period is considered cost-effective. There was little reduction in peak flows, which means there is no benefit in terms of reduced capital costs. There may be benefits from a structural renewal standpoint; however, that is difficult to measure since it is critical to understand the structural conditions in this area relative to other areas.

Conclusion: Public sewer system rehabilitation in absence of a comprehensive evaluation of private property contributions does not appear to be cost effective.

Options:

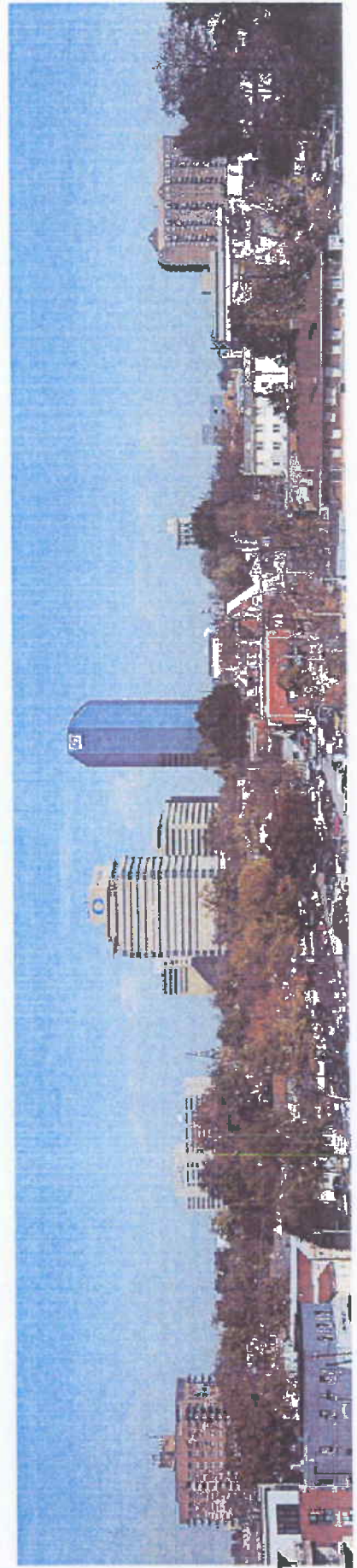
1. Continue current program / collect more data.
2. Stop pursuing collection system rehabilitation and simply make the system larger (more capacity)
3. Enact more aggressive private property inspection program to get water out of the system—feedback from community meetings.

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beautiful





Year In Review



Becoming a KAB Affiliate

Pre-certification efforts – May, 2009 – July, 2010
Commission Established – Ordinance 22-2010
(January 2010)
Certified Status - First Commission Meeting (August
2010)



Who is Keeping Lexington Beautiful?

Government

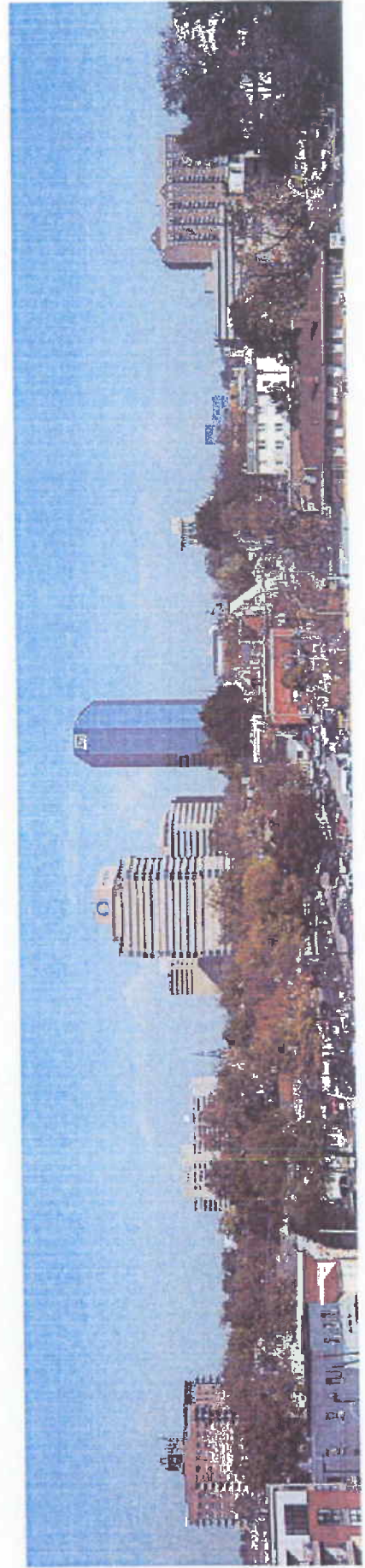
Urban County Council (Peggy Henson)
Division of Environmental Policy (Mark York)
Division of Police (Scott Blakley)
Division of Code Enforcement (David Jarvis)

Industry

Bluegrass PRIDE (Amy Sohner)
Education (Angela Dossett)
Equine/Agriculture (vacant)
Food/Beverage (Farley Schalk)
Tourism (Patricia J Knight)

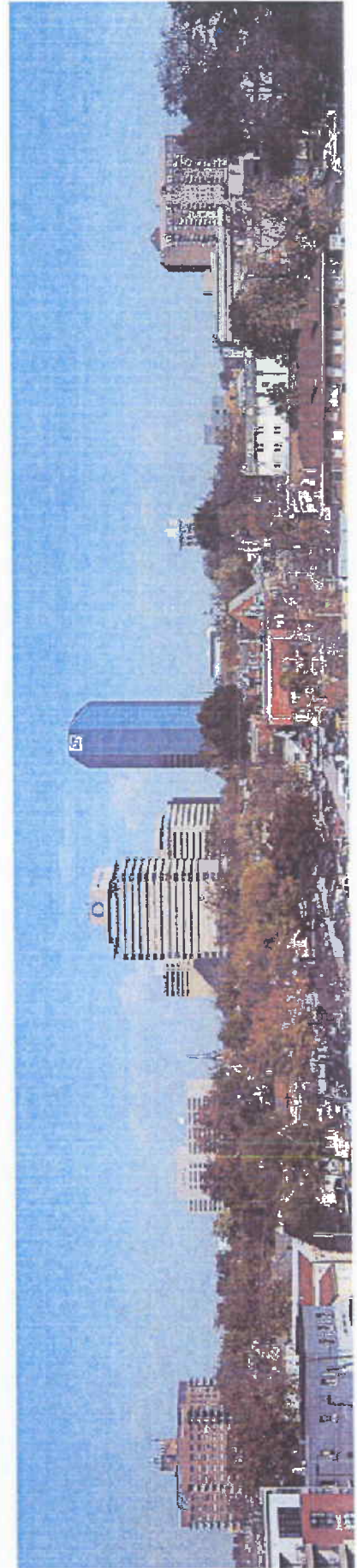
Citizens

Community At-Large (Jane Eller and Connie Miller)
Neighborhood Association (Margaret Long and vacant)



Mission

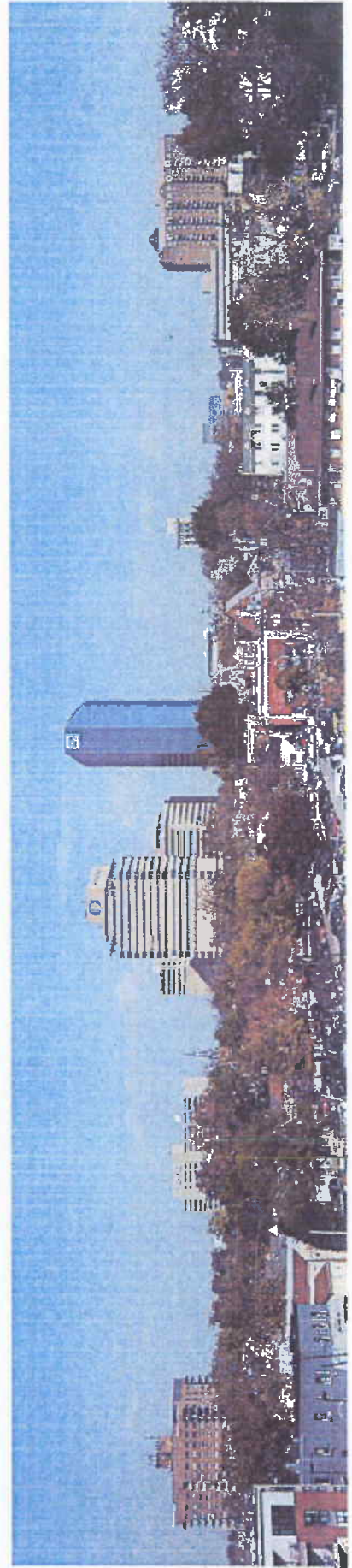
To engage individuals, businesses and organizations within Fayette County to take personal responsibility for improving our environment.



Purpose

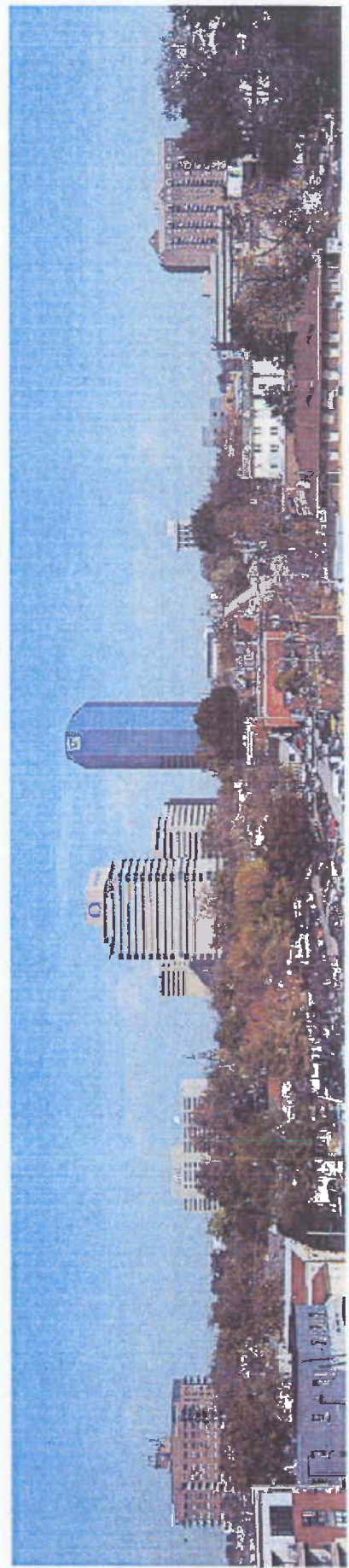
Per LFUCG Ordinance 22-2010 Priorities are:

1. Litter Prevention
2. Beautification and Community Involvement
3. Waste Reduction



Commission Involvement

# Commission Members	11(2 vacant)
# Volunteer Hours	515
\$ Value of Volunteer Hours	\$ 11,000.00
<u>\$ In-Kind Donations</u>	<u>\$ 250.00</u>
Total Contribution to the Community	\$ 11,250.00





2011 Projects

Community Appearance Index

Illegal Dump Cleanup

Great American Cleanup

Cigarette Litter Prevention



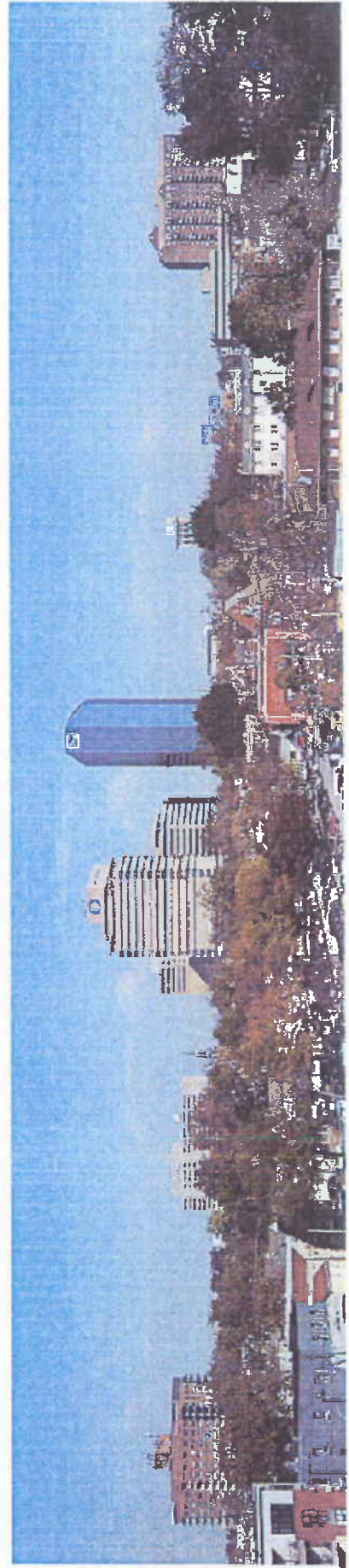
Community Appearance Index

283 square miles scored for litter and graffiti in 8 areas

On a 4 tier scale the litter index was 1.75
and the graffiti index was 1.12

** no area scored above a 2 for litter **

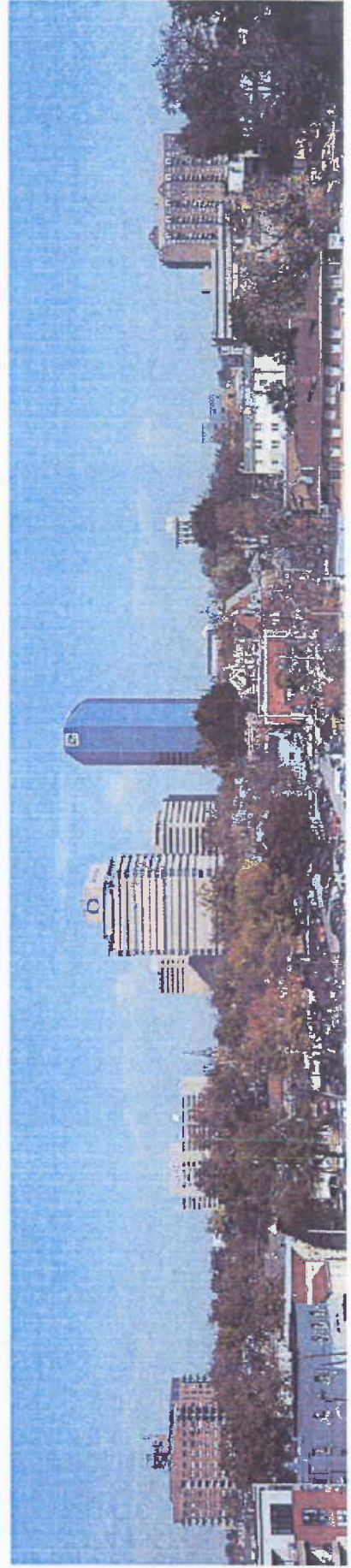
In 2009 the litter index was 1.39



Illegal Dump Cleanup

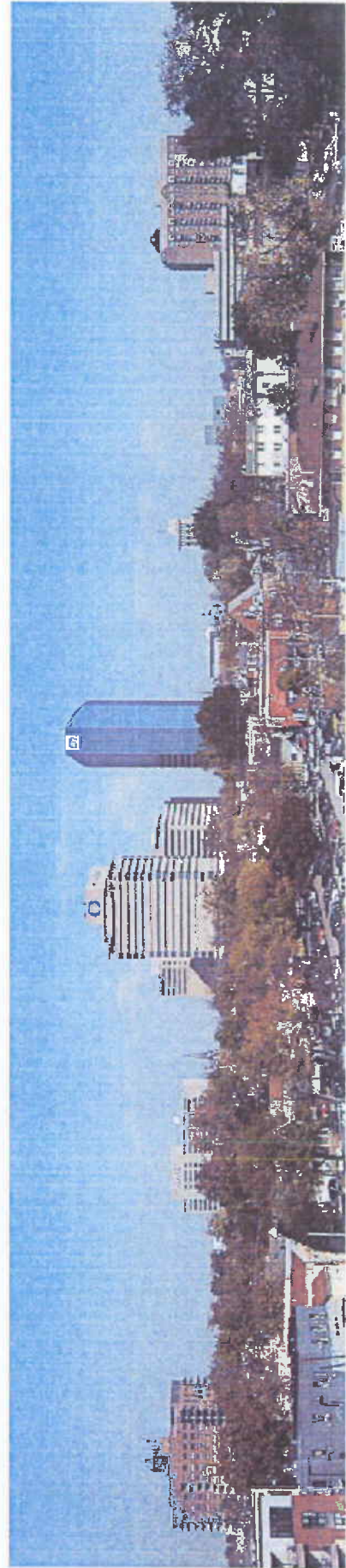


Urban County Council
Division of Code Enforcement
Department of Environmental Quality and Public Works
Division of Community Corrections



Great American Cleanup

# Pounds of Litter & Debris Collected	94,000
# Pounds of Paper Recycled	9,382
# Pounds of Electronics Recycled	1,016
# Pounds of Plastic Bottles Recycled	100
# Tires Recycled	163
# Acres Open Space Cleaned	215
# Miles of Roads, Trails and Water Edges Cleaned	13
# Trees Planted	6,593





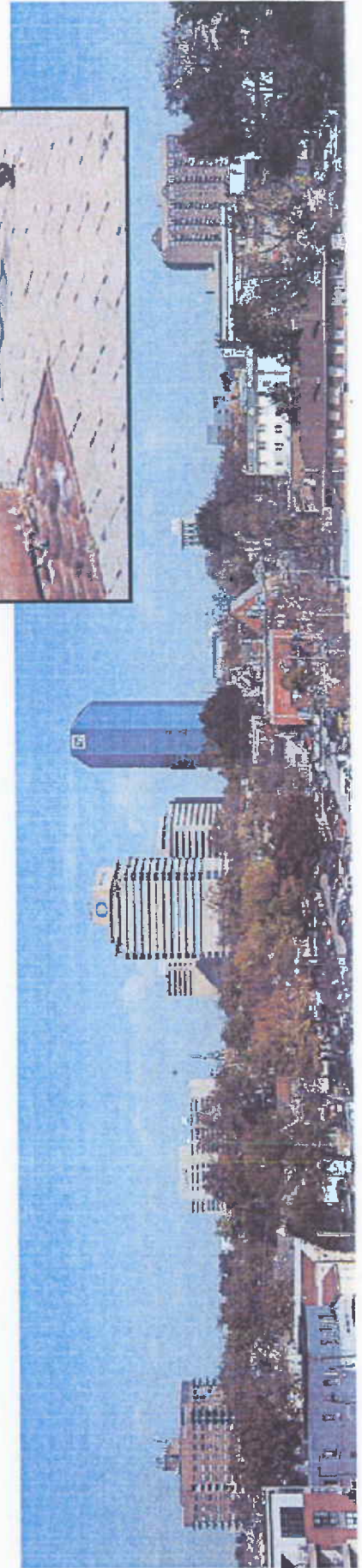
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Great American Cleanup

# of Events	70
# Participants	1,785
# Volunteer Hours	3,503
\$ Value of Volunteer Hours	\$ 74,824.00
\$ In-Kind Contributions	\$ 2,010.00
\$ Spent by Government (non-employee cost)	\$ 1,173.00
\$ Spent by Government (employee cost)	\$ 1,662.00
\$ In-Kind Media Contributions	\$ 48,000.00
Total \$ Benefit to the Community	\$ 127,669.00



Cigarette Litter Prevention



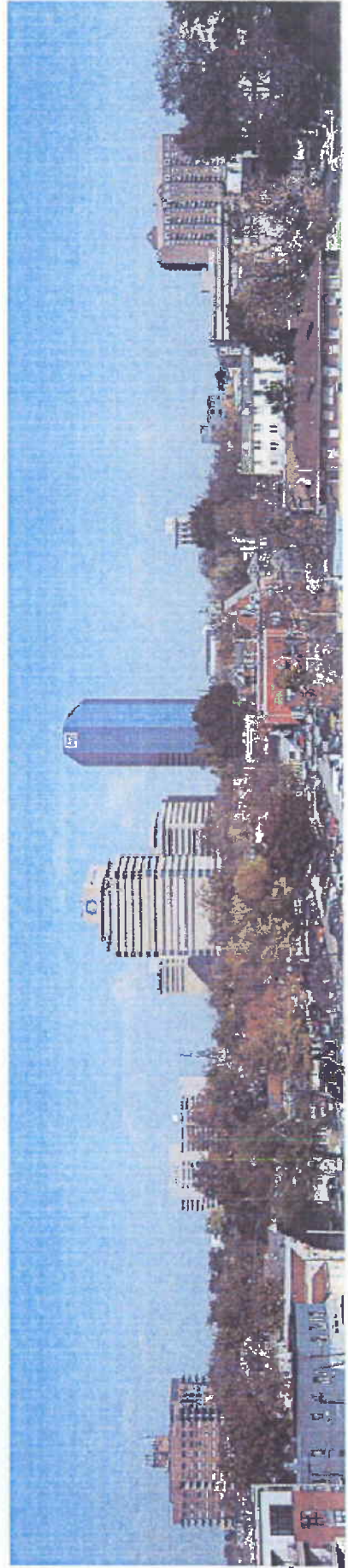
Cigarette Litter Prevention

KLB received two \$2,500 grants

Purchase pocket ashtrays, automobile ash trays, receptacles and educational materials

Project locations: Financial Center, Good Foods Co-Op, the World Trade Center and downtown restaurant/shopping area

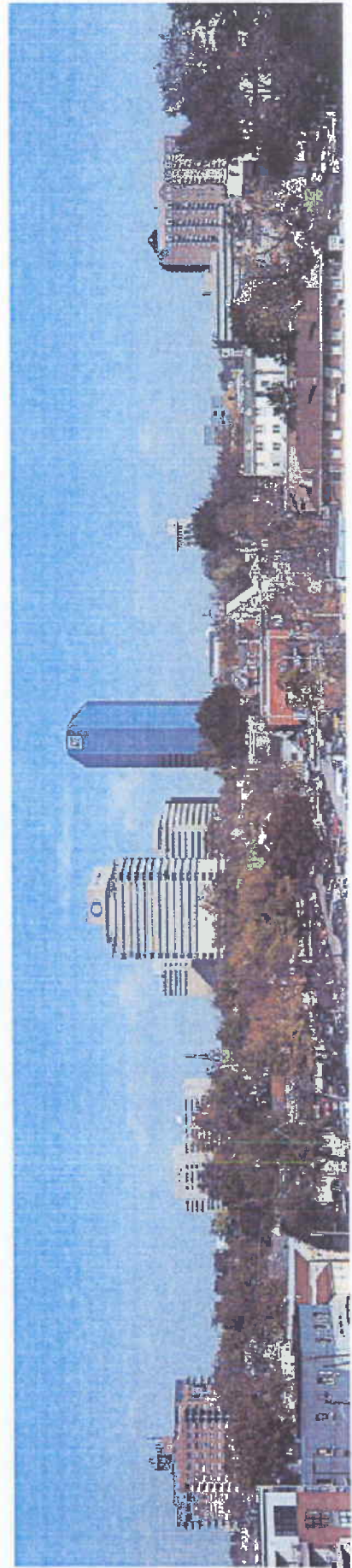
Smoke-free campuses: St. Joseph Hospital, UK Hospital



Cigarette Litter Prevention

Pilot Program # Cigarette Butts Counted

Location	Before	After	% Change
St. Joseph	6,060	565	↓91%
UK	91	57	↓37%
Financial Center	155	38	↓75%
Good Foods	460	343	↓45%
Restaurant/Shopping	620	344	↓25%
World Trade Center	79	6	↓93%
Total	7,465	1,353	↓82%



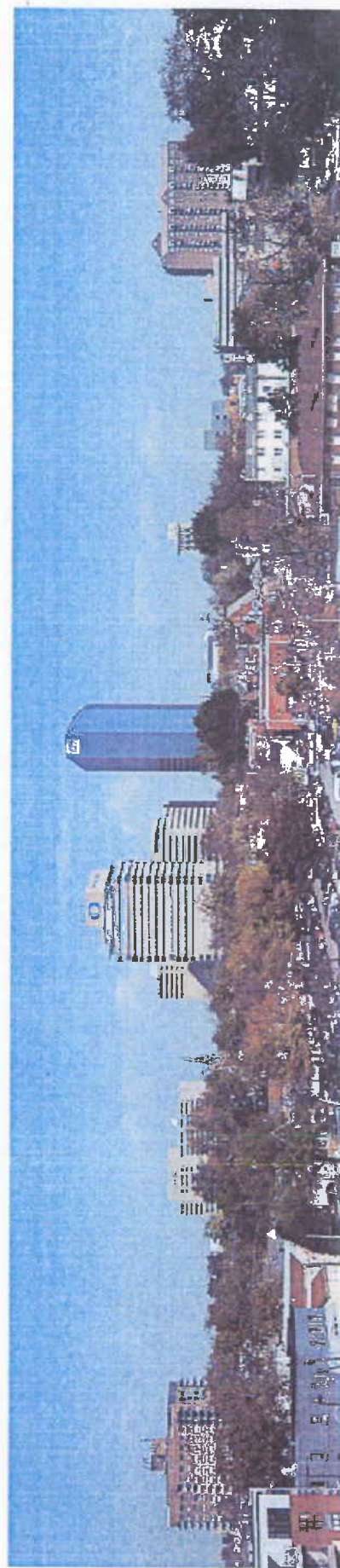
Cigarette Litter Prevention

# Volunteer Hours	60
# Value of Volunteer Hours	\$ 128.00
\$ Spent by Government (non employee cost)	\$ 125.00
\$ Spent by Government (employee cost)	\$ 480.00
\$ Grants	\$ 5,000.00
Total \$ Benefit to the Community	\$ 5,733.00



Year In Review

# of Events	75
# Participants	2,395
# Volunteer Hours	4,138
# Community Audience	10,198
\$ Value of Volunteer Hours	\$ 86,251.00
\$ In-Kind Contributions	\$ 2,260.00
\$ Spent by Government (non employee cost)	\$ 1,428.00
\$ Spent by Government (employee cost)	\$ 2,268.00
\$ Donated by Corporate Partners	\$ 1,000.00
\$ Grants	\$ 10,000.00
\$ In-Kind Media Contributions	\$ 63,855.00
Total \$ Benefit to the Community	\$ 163,366.00



2012 Projects

- Develop a Strategic Plan
- Continue Media Coverage
- Expand Great American Cleanup
- Expand Cigarette Litter Prevention Program
- Increase Corporate Sponsorships
- Implement a Graffiti Program
- Implement "Do the Green Thing" Project
- Participate in a Paper Shred Event
- Review State Litter Statutes for Revision



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Questions?



Current Division of Water Quality Project Information				Status		Est. Completion	
1	SANITARY SEWER PROJECTS (includes studies, design, construction)			Group 1 RMP completed and submitted to EPA	Group 2 RMP due 4/18/12 & Group 3 RMP due 10/15/12 EPA		
2	Sanitary Sewer Pump Station			Contract complete as of October			
3	Sanitary Sewer Pump Station			Group 1 SSA Report completed and submitted to EPA			
4	Sanitary Sewer Pump Station			Field work for Group 2 complete			
5	SSA Group 1			Field work complete			
6	SSA Group 2 & 3 Engineering Services			Group 2 SSA report completed and submitted to EPA			
7	SSA Group 2 & 3 Field Activities			Field work for Group 2 complete			
8	SSA Group 2 & 3 Pipeline Rating			Continue implementation/trouble shooting			
9	SSA Group 2 & 3 Pipeline Rating			Completed			
10	SSA Group 2 & 3 Pipeline Rating			Under construction			
11	SSA Group 2 & 3 Pipeline Rating			New pumps placed in wet well waiting for KL			
12	SSA Group 2 & 3 Pipeline Rating			Punch list			
13	SSA Group 2 & 3 Pipeline Rating			Pump station on MRF site confirmed			
14	SSA Group 2 & 3 Pipeline Rating			Currently evaluating RFP expected to award \$12/11			
15	SSA Group 2 & 3 Pipeline Rating			Substantially complete working on punch list			
16	SSA Group 2 & 3 Pipeline Rating			Complete			
17	SSA Group 2 & 3 Pipeline Rating			Order HVAC design is complete			
18	SSA Group 2 & 3 Pipeline Rating			Demo has begun			
19	SSA Group 2 & 3 Pipeline Rating			On-going			
20	SSA Group 2 & 3 Pipeline Rating			Complete			
21	SSA Group 2 & 3 Pipeline Rating			Complete			
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Projects Completed in FY 2009			
Fund 4003 PROJECT NAME	CONTRACT AMT	CONTRACTOR	P.O. NO.
1 I & I Sanitary Sewer Rehabilitation	\$300,000.00	Leak Eliminators	LF00061399
2 I & I Sanitary Sewer Rehabilitation	\$250,000.00	Leak Eliminators	LF00055829
3 I & I Sanitary Sewer Rehabilitation	\$250,000.00	Insituform Technologies	LF00049062
4 I & I Sanitary Sewer Rehabilitation	\$250,000.00	Leak Eliminators	LF00045740
5 I & I Sanitary Sewer Rehabilitation	\$250,000.00	Insituform Technologies	LF00050127
6 West Hickman WWTP ASH Tank Improvements	\$590,000.00	Arnold, Dugan & Meyers	LF00037399
7 Town Branch WWTP Primary Effluent Pump Station Emergency Generator	\$360,656.00	Dixon Electric	LF00042377
8 Town Branch WWTP Screw Pump Design	\$64,000.00	Strand Engineers	LF00042428
9 West Hickman Screw Pumps Phase II	\$1,288,047.00	Arnold, Dugan & Meyers	LF00018969
10 West Hickman WWTP Fiber Project	\$58,000.00	CR Cable	LF00042379
11 North Elkhorn Pump Station	\$2,386,210.00	W. Rogers	LF00002988
12 North Elkhorn Pump Station Grant Funds	\$1,691,500.00	W. Rogers	LF00002988
13 West Hickman Bar Rack/Gravity Thickener/VFC Replacement	\$750,000.00	RE BID	Need Bud Amend.
14 Projects Completed in FY 2009	\$8,488,413.00		

Committee Referrals

Environmental Quality Committee

Item	Referred By	Date	Status
Capacity Analysis	Blues		Part of RMP
Solid Waste Operations Effectiveness	Stinnett	4-13-11	Waste Management Task Force
Review LFUCG Property Use Policy: re Model Airplane Association Usage of Haley Pike Property	EQ Link	6-19-11	
Consolidate Greenway Responsibilities	EQ Link	6-19-11	September 20
UK Game Day Solid Waste Collection: Revenue Source	EQ Link	6-19-11	Waste Management Task Force
Bulky Item Collection: Revenue Source	EQ Link	6-19-11	Waste Management Task Force

Pas 11-16-11