

# CSO LTCP Project Fact Sheet



**LTCP Project Number:** L\_SO\_MF\_097\_M\_13\_A\_A\_8

**Project Name:** Beargrass Creek South Fork Parallel Interceptors - Upper and Lower Reaches

**Project Type:** Miscellaneous

**Receiving Stream:** Beargrass Creek

**Project Description:** This project includes 8,900 L.F. of 48" gravity interceptor in the upper reach from Logan Street & Breckinridge Street Storage Basin to Starkey Pumping Plant & 3,600 L.F. of 15" force main from Calvary / Creekside Storage Basin to Nightingale Pump Station

**Design Parameters / Assumptions:** Force main velocity set at 5 feet per second for 24 hour pump out of basin at CSO097.

**Surrounding Area** South Fork Stream Corridor, Including Improved Channel

**Land Use:**

**Apparent Utilities** No apparent conflict

**Description:**

**Capital Projects:** N/A

**Advanced Site** N/A

**Restoration:**

**Estimated Capital Cost (2008):** \$12,994,000

**Capital Cost / Gallon Overflow Removed:** N/A

**Weighted Benefit / Cost Ratio (Capital Cost):** N/A

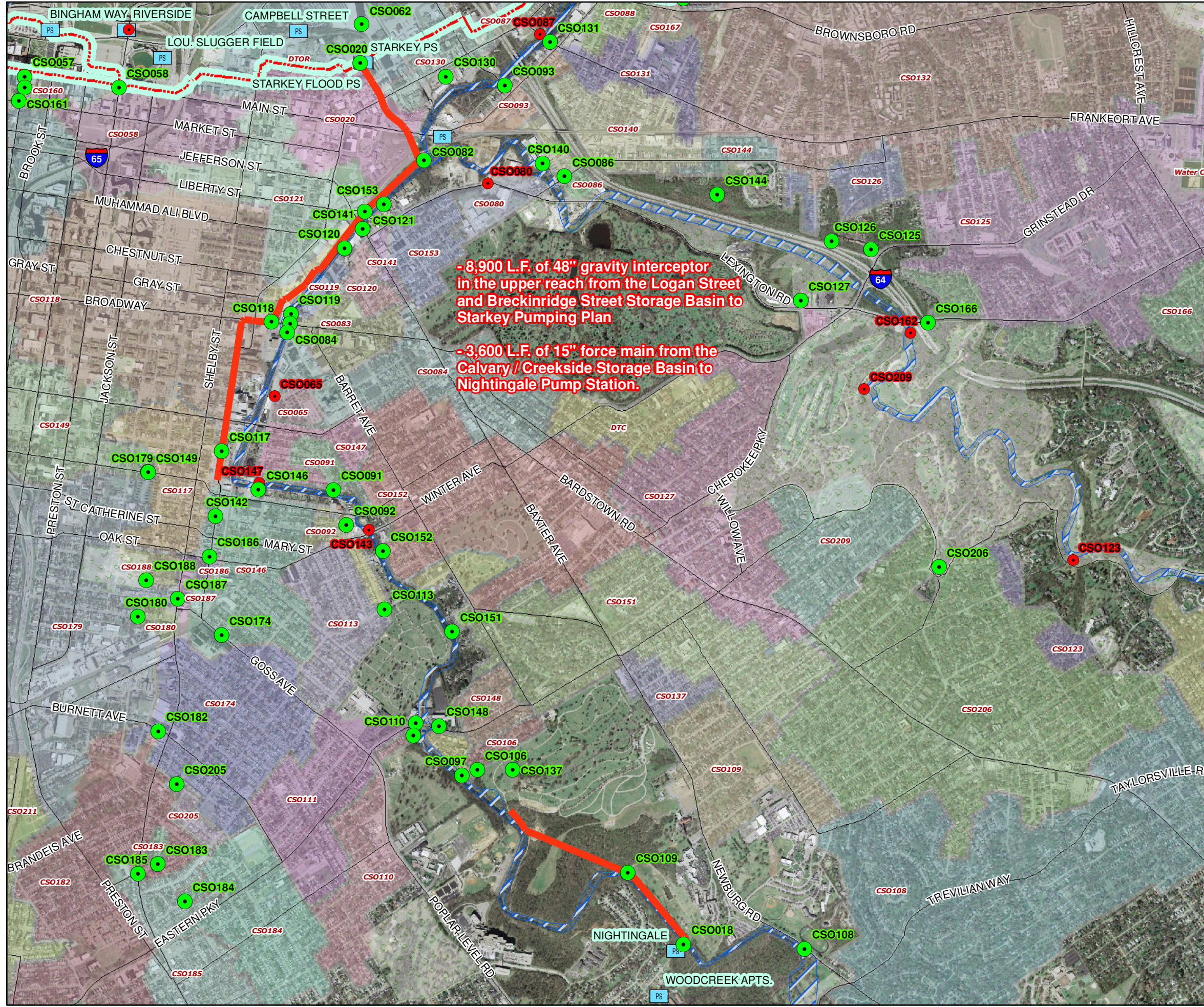
*NOTE: CSO hydraulic statistics are predicted based on InfoWorks model results.*

**Integrated Overflow Abatement Plan**  
**Volume 2 - Final CSO Long-Term Control Plan**  
**South Fork Beargrass Creek**  
**Solution ID # L\_SO\_MF\_097\_M\_13\_A\_A\_8**  
**Beargrass Creek South Fork Parallel Interceptors**  
**Upper and Lower Reaches**

**Preliminary - For Budget Development Only**

**Legend**

- Active CSO
- Eliminated CSO
- PS Pump Station
- Proposed Pipe Solution
- Flood Wall
- Floodway
- Metro Parks
- Streams



General representation of overflow abatement solutions are for preliminary planning purposes. Alignments and locations may be altered during design.

1 inch = 1,700 feet  
 Scaleable when printed on 11"x17" paper

Some boundaries are uniquely symbolized within the map.

Map Revision  
 May 8, 2009

Aerial Date: 2006

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# CSO LTCP Project Fact Sheet



**LTCP Project Number:** L\_SO\_MF\_083\_M\_09B\_B\_A\_8

**Project Name:** Lexington Road and Payne Street Storage Basin

**Project Type:** Off-Line Storage

**Receiving Stream:** South Fork Beargrass Creek

**Project Description:** This project includes an 7.31 MG off-line covered storage basin for CSO082, 84, 118, 119, 120, 121, 141, & 153 to reduce overflows to 8 overflows per year. The basin will require an 7.31 MGD PS to return the stored flow to the interceptor.

**Design Parameters / Assumptions:** Basins are designed to the 9th overflow event volume, resulting in 8 CSO overflows/year. The 9th peak flowrate is evaluated to compare gravity vs. pumped conveyance. Design for pump-back is 24 hours. Type of basin based on hydraulics and surroundings.

**Surrounding Area Land Use:** The project is located within 'Industrial' property. The project is located approx. 120 ft. SE from CSO082. The project is located N off of Lexington Rd.

**Apparent Utilities Description:** Streetlights within proposed basin area, sewer line < 5 ft. from SE corner of proposed basin

**Capital Projects:** 2011~Solids & Floatables CSO118- Hidden 2007~Middle Fork Rehab Phase 2; 2013~Solids & Floatables CSO084; 2013~RTC @ CSO118 & 2012~Real Time Control @ CSO118 (BG1) - Awaiting Start

**Advanced Site Restoration:** The area of the proposed tank is undeveloped green space. Current and previous public use or development proposals for these areas have identified potential environmental mitigations. The project budget includes a site restoration allowance.

**Estimated Capital Cost (2008):** \$25,200,000

**Capital Cost / Gallon Overflow Removed:** \$0.18

**Weighted Benefit / Cost Ratio (Capital Cost):** 45.60

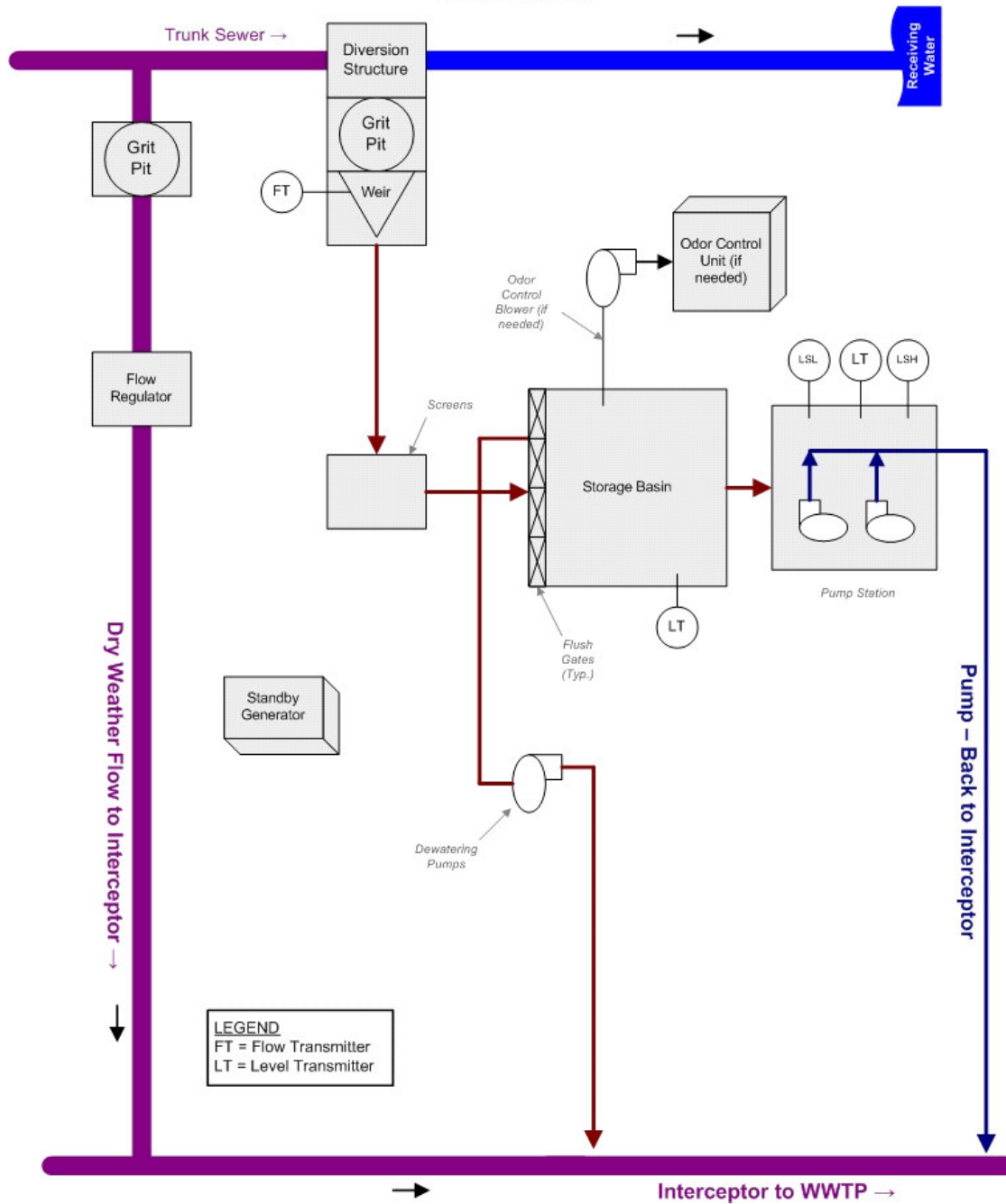
**Overflow Points Addressed:**

<u>CSO Number</u>	<u>CSO Name</u>	<u>CSO Area (Acres)</u>	<u>2008 AAOV (MG / Yr)</u>	<u># of Overflows / Yr</u>	<u>Post LTCP AAOV (MG/Yr)</u>	<u>Post LTCP # Overflows / Year</u>
CSO082	Beargrass Interceptor Beargrass Creek	0.00	1.10	24	0.42	8
CSO084	Brent Street at Beargrass Creek	125.07	17.91	34	1.92	8
CSO118	Regulator Number 15 - East Broadway	354.12	99.69	39	13.37	8
CSO119	Brent Street Sewer	7.58	12.38	40	2.04	8
CSO120	Phoenix Hill Sewer	16.51	9.22	51	1.44	8
CSO121	Regulator Number 18 - Green Street	107.19	11.22	28	1.82	8
CSO141	Baxter Avenue at Beargrass Creek	7.72	5.06	27	0.94	8
CSO153	Cooper Street	41.65	15.59	56	1.44	8

*NOTE: CSO hydraulic statistics are predicted based on InfoWorks model results.*

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Off-Line Storage  
Pumped Effluent  
Flow Diagram



**Integrated Overflow Abatement Plan**  
**Vol. 2 - Final CSO Long Term Control Plan**  
 South Fork Beargrass Creek  
 SolutionID # L\_SO\_MF\_083\_M\_09B\_B\_A\_8  
 Lexington Rd and Payne St Storage Basin

**Preliminary - For Budget Development Only**  
**Legend**

- PS Proposed Pump Station Solution
- Active CSO
- Eliminated CSO
- PS Pump Station
- Proposed Pipe Solution
- Force Main
- Collector < 12"
- Interceptor => 12"
- Combined Sewer Pipe
- ~ Streams
- Proposed Storage Solution
- Floodway
- Metro Parks
- County Boundary

**General representation of overflow abatement solutions are for preliminary planning purposes. Alignments and locations may be altered during design.**

1 inch equals 400 feet  
 Scalable when printed on 11" X 17" paper



Some boundaries are uniquely symbolized within the map.  
 Map Revision  
 December 3, 2008  
 Aerial Date: 2006



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