

# CSO LTCP Project Fact Sheet



**LTCP Project Number:** L\_SO\_MF\_108\_S\_09A\_B\_A\_4

**Project Name:** CSO108 Dam Modification

**Project Type:** In-line Storage

**Receiving Stream:** South Fork Beargrass Creek

**Project Description:** This project includes the installation of a bending weir at CSO108 to increase the in-line storage capability at the twin 7 foot box culvert, located at Trevilian Way.

**Design Parameters / Assumptions:** The height of the bending weir is designed to reduce the number of overflows at CSO108 to 4 overflows / year.

**Surrounding Area** South Fork Stream Corridor

**Land Use:**

**Apparent Utilities** No apparent conflict

**Description:**

**Capital Projects:**

**Advanced Site** N/A

**Restoration:**

**Estimated Capital Cost (2008):** \$0

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

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

**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>
CSO108	Regulator Number 1 - Newburg	485.22	10.35	9	0.33	2













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

**Integrated Overflow Abatement Plan  
Vol. 2 - Final CSO Long Term Control Plan**

South Fork Beargrass Creek  
Solution ID # L\_SO\_MF\_108\_S\_09A\_B\_A\_4  
CSO108 Dam Modification

**Preliminary - For Budget Development Only**

**Legend**

-  Proposed Flow Control Solution
-  Active CSO
-  Eliminated CSO
-  Pump Station
-  Force Main
-  Collector < 12"
-  Interceptor => 12"
-  Combined Sewer Pipe
-  Streams
-  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 100 feet  
Scalable when printed on 11" X 17" paper



Some boundaries are uniquely symbolized within the map.

Map Revision  
December 8, 2008  
Aerial Date: 2006



Copyright © 2008, LOUISVILLE AND JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT (MSD), LOUISVILLE WATER COMPANY, LOUISVILLE METRO GOVERNMENT, and JEFFERSON COUNTY PROPERTY VALUATION ADMINISTRATOR (PVA). All Rights Reserved.



**Bending weir installation at CSO108**

# CSO LTCP Project Fact Sheet



**LTCP Project Number:** L\_SO\_MF\_093\_S\_08\_A\_A\_0

**Project Name:** CSO093 Sewer Separation

**Project Type:** Sewer Separation

**Receiving Stream:** South Fork Beargrass Creek

**Project Description:** This project includes the construction of a new storm water system consisting of 2,975 LF of 12" pipe in street plus 350 LF of 12" out of street.

**Design Parameters / Assumptions:** There are approx. 87 properties impacted by this project. The design flow would be developed in accordance with the MSD Design Manual. New stormwater outfall will minimize the erosion impact to receiving stream.

**Surrounding Area Land Use:** The project area includes 'General Comm. & Office', 'Vacant & Undeveloped', 'Industrial' & 'Single Family Residential' properties.

**Apparent Utilities Description:** Sec. OH elec. Running SE 6.5 ft. NE, Prim. OH elec. 22 ft. NE; proposed piping passes over gas, electric, and water lines

**Capital Projects:** 2007~Middle Fork Rehabilitation Phase 2 - Awaiting Start; 2013~USI Inspection Program - Awaiting Start; 2006~East Region Pump Station Modifications - Under Construction

**Advanced Site Restoration:** The stormwater outfall to Beargrass Creek will include design of flow control measures to minimize or prevent erosion impact to the receiving stream.

**Estimated Capital Cost (2008):** \$952,000

**Capital Cost / Gallon Overflow Removed:** \$0.72

**Weighted Benefit / Cost Ratio (Capital Cost):** 56.93

**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>
CSO093	Spring Street	20.79	1.81	37	0	0

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

**Integrated Overflow Abatement Plan**  
**Vol. 2 - Final CSO Long Term Control Plan**  
 South Fork Beargrass Creek  
 Solution ID # L\_SO\_MF\_093\_S\_08\_A\_A\_0  
 CSO093 Sewer Separation

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

- Proposed Storm Catch Basin
- Proposed Sanitary Manhole
- Proposed Storm Manhole
- Active CSO
- Eliminated CSO
- PS Pump Station
- ▬ Proposed Sanitary Pipe Solution
- ▬ Proposed Storm Pipe Solution
- - - Existing Drainage Line
- ▶ Force Main
- ▬ Collector < 12"
- ▬ Interceptor => 12"
- ▬ Combined Sewer Pipe
- ~ Streams
- ▭ 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 300 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



Copyright © 2008, LOUISVILLE AND JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT (MSD), LOUISVILLE WATER COMPANY, LOUISVILLE METRO GOVERNMENT, and JEFFERSON COUNTY PROPERTY VALUATION ADMINISTRATOR (PVA). All Rights Reserved.

