



*Louisville and Jefferson County Metropolitan Sewer District  
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August 17, 2012

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300 Fair Oaks Lane  
Frankfort, KY 40601

Chief, Water Programs Enforcement Branch  
Water Management Program  
US EPA Region 4  
Atlanta Federal Center  
61 Forsyth Street SW  
Atlanta, GA 30303

Subject: Beargrass Creek Parallel Interceptor  
Project Elimination  
IOAP Project No. L\_SO\_MF\_097\_M\_13\_A\_A\_8  
DOJ Case No. 90-5-1-1-08254

Attention Chiefs and Director:

MSD is providing advanced notification of a proposed minor project modification to eliminate the Beargrass Creek Parallel Interceptor project (IOAP Project No. L\_SO\_MF\_097\_M\_13\_A\_A\_8). This modification is part of an overall adaptive management review of the approved 2009 IOAP that will be documented in the proposed 2012 IOAP Modification to be formally submitted in 2013. No action is requested at this time.

#### 2009 IOAP Project Description

The Beargrass Creek Parallel Interceptor project included a 48-inch diameter gravity sewer and a 15-inch diameter force main installed along the South Fork of Beargrass Creek, with a scheduled completion date of December 31, 2017. The purpose of the pipe additions was to provide additional conveyance capacity for basin draining.

#### Proposed Project Modification

The project modification involves the elimination of this project, as other proposed project changes related to the Nightingale Pump Station and the proposed Calvary Creekside Storage Basin have made the new conveyance unnecessary.

These modifications are part of an overall adaptive management review of the approved 2009 IOAP. Additional sewer system monitoring, hydraulic modeling recalibration and enhancements to the physical



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representation of the sewer system resulted in a redistribution of the flow in individual sewer lines, thus affecting project approach and sizing in some cases. Each proposed change will be justified in detail through minor modification letters. Detailed benefits, costs and program implementation refinements to the overflow abatement program will be documented in 2012 IOAP Modification to be submitted in 2013. No action is requested at this time.

#### Technical Justification

The original project includes 8,900 LF of 48-inch gravity interceptor from the Logan Street Storage Basin to the Starkey Pump Station, and 3,600 LF of 15-inch force main from the Calvary/Creekside Storage Basin to the Nightingale Pump Station. As part of the IOAP modifications, the Calvary Creekside Storage Basin is being eliminated by the construction of a reach of gravity sewer to convey sewer overflow to the proposed Logan Street Storage Basin. This new interceptor eliminates the need for the force main to the Nightingale Pump Station.

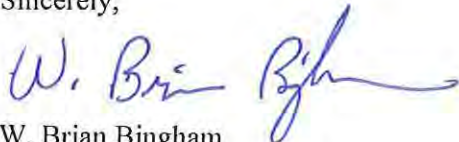
Several other project changes are proposed for the South Fork system, including resizing the Nightingale Pump Station from 60 million gallons per day (MGD) to 33 MGD with increased storage and changing the operating rules for the Starkey Pump Station from 140 MGD maximum flow to 108 MGD maximum flow. As a result of these changes and model recalibration based on expanded flow monitoring, MSD has determined that the 48-inch interceptor is not needed either. The deletion of this project will not have any effect on wet weather capture or any other level of CSO control.

For your reference, a copy of the original project fact sheet and map from the IOAP in Attachment A are attached. No new projects have been provided as this project is proposed for elimination. Additional documentation on the costs and level of control analysis will be included in the 2012 IOAP Modification.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have questions or need additional information, please contact Ms. Angela Akridge, Project WIN Program Manager, or myself at (502) 540-6000.

Sincerely,



W. Brian Bingham  
Regulatory Services Director

cc: Greg Heitzman                  Paula Purifoy  
Attachments

# MSD

Metropolitan Sewer District

# ATTACHMENT

# A

# 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

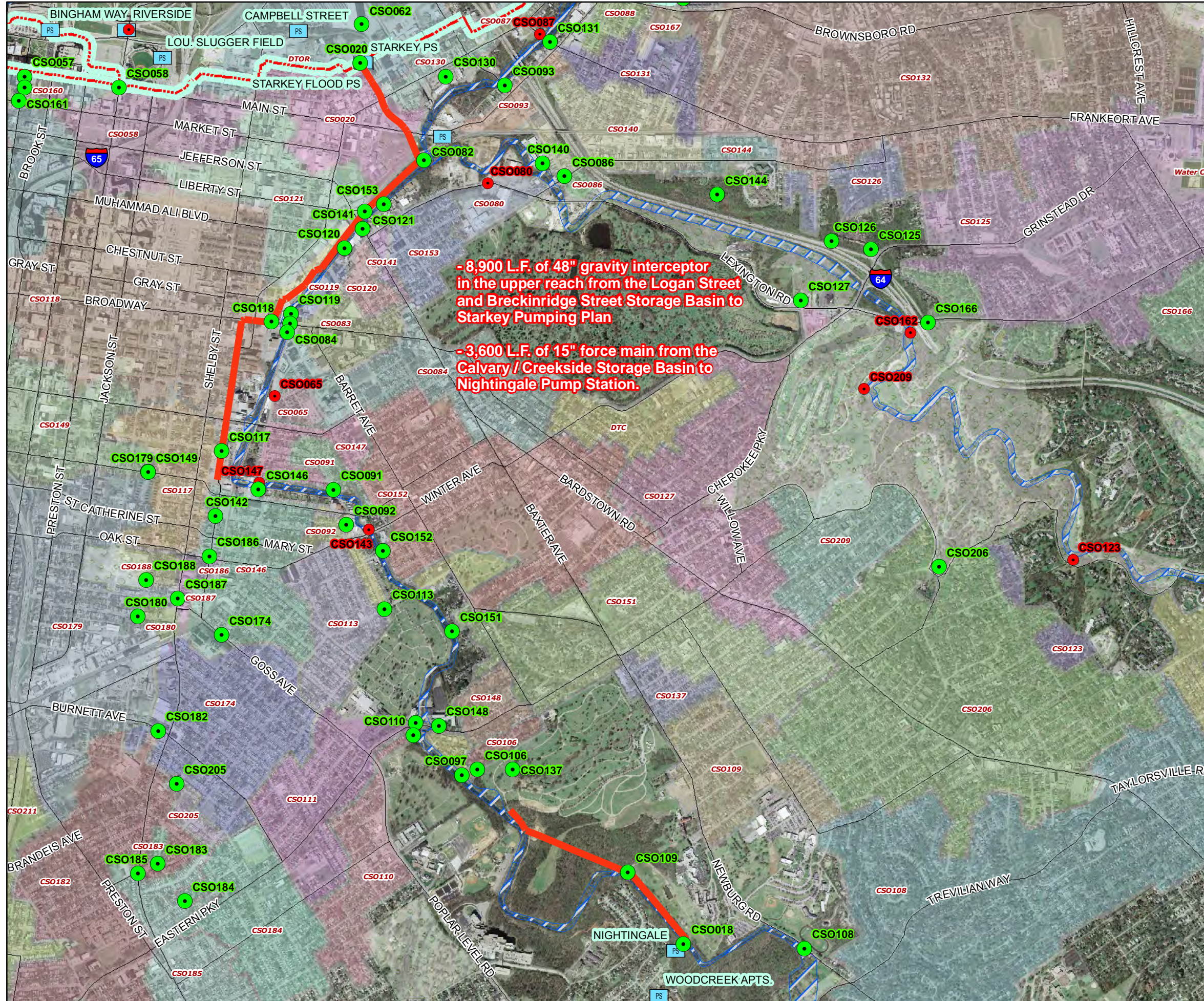
*NOTE: CSO hydraulic statistics are predicted based on InfoWorks model results.*

**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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# ATTACHMENT

# B

**Project Eliminated  
or Combined with Another**

**No Attachment B**