



SSO SSDP Project Fact Sheet



SSO Project Number: S_SD_MF_NB03_S_07_C

Project Name: Parkview Estates I/I Investigation and Rehabilitation

Modeled Area: SED

Branch or SSO ID: NB03

Project Type: I/I Reduction

Receiving Stream: N/A

Project Description: This location will be targeted for I/I source control (I/I rehab and private property program). A full SSES will be performed upstream of MH 47250. If I/I reduction is deemed unsuccessful in eliminating the SSO, the next best alternative will be implemented, which is Pipe Upgrades.

Reason for Overflow: System capacity

Design Parameters / Assumptions: This solution is based on a 1.82 inch cloudburst rain event

Project Constraints: None

Estimated Capital Cost (2008 dollars): \$285,000 (Cost is for SSES only; rehabilitation will be performed under Annual I/I Rehab contracts and the private property program)

Weighted Benefit/Cost Ratio (Present Worth): Only cost calculated for SSES, no benefits are calculated

Overflow Points Addressed:

<u>SSO</u>	<u>SSO Name</u>	<u>Service Area</u>	<u>Overflow Type</u>	<u>Discharge To</u>	<u>Average Overflow / Incident (gallons)</u>
47250	1645 Rangeland Rd	Morris Forman	Capacity	Ditch	MOP- no data

Integrated Overflow Abatement Plan
Vol. 3 - Sanitary Sewer Discharge Plan
 Southeast Diversion
 Solution ID # S_SD_MF_NB03_S_07_C
 Parkview Estates I&I
 Investigation & Rehabilitation

Preliminary - For Budget Development Only

Legend

- Documented SSO
- Suspected SSO
- Haul Operation
- Proposed Pump Station Solution
- Pump Station
- WWTP
- Proposed Pipe Solution
- Force Main
- Collector < 12"
- Interceptor => 12"
- Combined Sewer Pipe
- Proposed Off-line Storage
- Road
- Streams
- Floodway
- Small WWTP Service Area
- Large WWTP Service Area
- CSO Area
- Metro Parks

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
 May 7, 2009

Aerial Date: 2006



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SSO SSDP Project Fact Sheet



SSO Project Number: S_SD_MF_NB04_S_01_B_A

Project Name: Klondike Interceptor

Modeled Area: SED

Branch or SSO ID: NB04

Project Type: Pipe Upgrades

Receiving Stream: South Fork Beargrass Creek

Project Description: This solution involves 2,830 LF of 30" gravity interceptor connecting to the HLI where the Jeffersontown Branch 1 24" force main solution connects to the HLI. The SED Branch 4 solution was priced with a 30" gravity interceptor constructed to the HLI minus the cost of the 24" Jeffersontown force main along the same route.

Reason for Overflow: System capacity

Design Parameters / Assumptions: This solution is based on a 2.25 inch cloudburst rain event

Project Constraints: None at this time

Estimated Capital Cost (2008 dollars): \$558,000

Weighted Benefit/Cost Ratio (Present Worth): 9.11

Overflow Points Addressed:

<u>SSO</u>	<u>SSO Name</u>	<u>Service Area</u>	<u>Overflow Type</u>	<u>Discharge To</u>	<u>Average Overflow / Incident (gallons)</u>
25676	Alcona Lane	Morris Forman	Manhole	Ground	288,969
26650	Briarbridge Ln at South Fork Beargrass Creek	Morris Forman	Manhole	Stream	150
26651	Klondike Ln at South Fork Beargrass Creek	Morris Forman	Manhole	Stream	2,511,000

Integrated Overflow Abatement Plan

Vol. 3 - Sanitary Sewer Discharge Plan

Southeast Diversion

Solution ID # S_SD_MF_NB04_S_01_B_A

Klondike Interceptor

Preliminary - For Budget Development Only

Legend

- Documented SSO
- Suspected SSO
- Haul Operation
- Proposed Pump Station Solution
- Pump Station
- WWTP
- Proposed Pipe Solution
- Force Main
- Collector < 12"
- Interceptor => 12"
- Combined Sewer Pipe
- Proposed Off-line Storage
- Road
- Streams
- Floodway
- Small WWTP Service Area
- Large WWTP Service Area
- CSO Area
- Metro Parks

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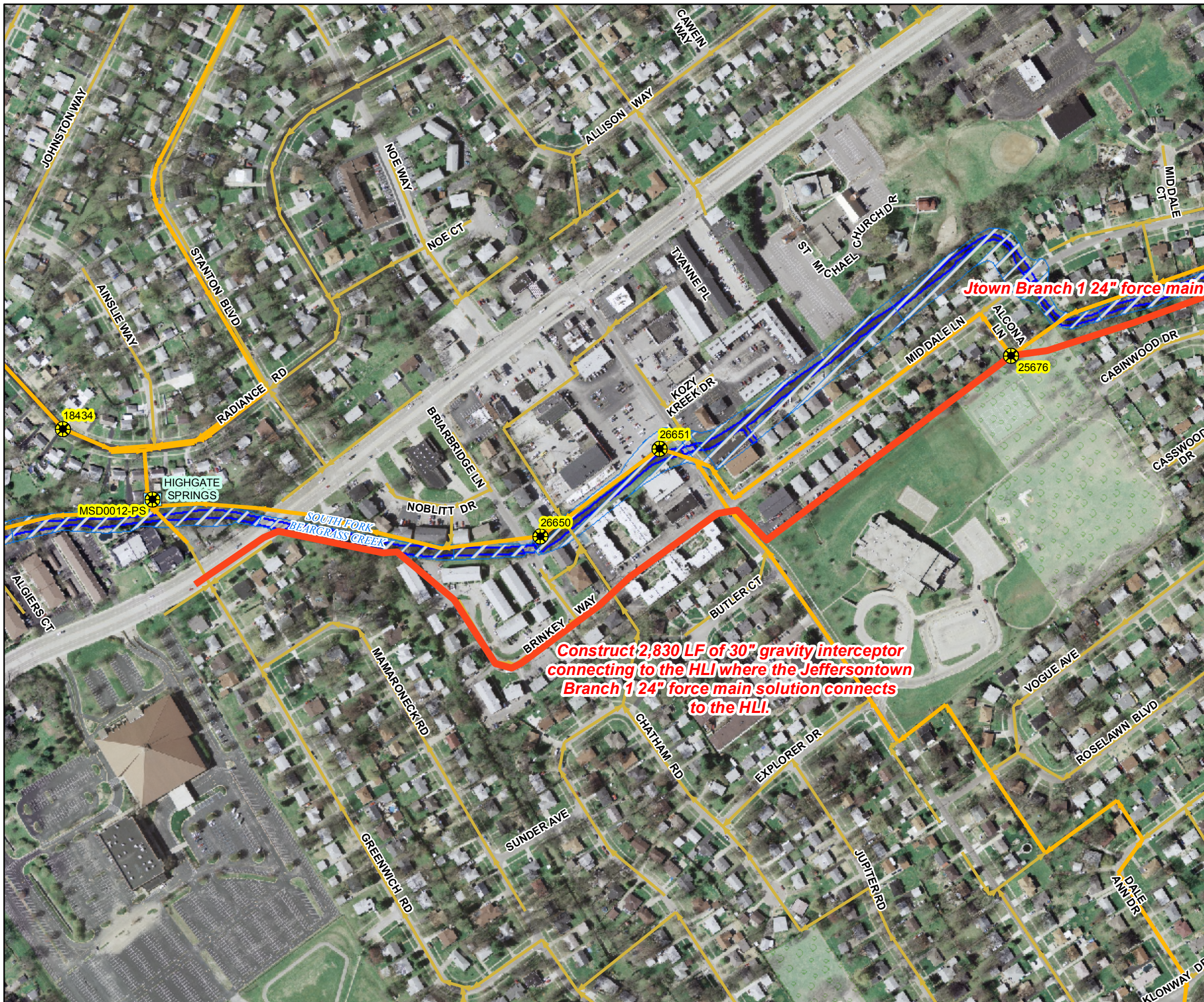
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Construct 2,830 LF of 30" gravity interceptor connecting to the HLI where the Jeffersontown Branch 1 24" force main solution connects to the HLI.

Jtown Branch 1 24" force main



SSO SSDP Project Fact Sheet



SSO Project Number: S_SD_MF_NB05_M_01_A

Project Name: Sutherland Interceptor

Modeled Area: SED

Branch or SSO ID: NB05

Project Type: Pipe Upgrades

Receiving Stream: South Fork Beargrass Creek

Project Description: This alternative includes upsizing 10" interceptor to 670 LF of 18" and 1,070 LF of 15" interceptor along rear yards to eliminate Sutherland SSO possibly with pipe-bursting.

Reason for Overflow: System capacity

Design Parameters / Assumptions: This solution is based on a 2.60 inch cloudburst rain event

Project Constraints: None at this time

Estimated Capital Cost (2008 dollars): \$412,000




















Weighted Benefit/Cost Ratio (Present Worth): 32.71

Overflow Points Addressed:

<u>SSO</u>	<u>SSO Name</u>	<u>Service Area</u>	<u>Overflow Type</u>	<u>Discharge To</u>	<u>Average Overflow / Incident (gallons)</u>
16649	Wickland Road/ Sutherland Drive	Morris Forman	Constructed	Ditch	1,078,972

Integrated Overflow Abatement Plan
Vol. 3 - Sanitary Sewer Discharge Plan
 Southeast Diversion
 Solution ID # S_SD_MF_NB05_M_01_A
 Sutherland Interceptor

Preliminary - For Budget Development Only
Legend

-  Documented SSO
-  Suspected SSO
-  Haul Operation
-  Proposed Pump Station Solution
-  Pump Station
-  WWTP
-  Proposed Pipe Solution
-  Force Main
-  Collector < 12"
-  Interceptor => 12"
-  Combined Sewer Pipe
-  Proposed Off-line Storage
-  Road
-  Streams
-  Floodway
-  Small WWTP Service Area
-  Large WWTP Service Area
-  CSO Area
-  Metro Parks

Construct 670 LF of 18" and 1,070 LF of 15" interceptor in place of existing 10"

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SSO SSDP Project Fact Sheet



SSO Project Number: S_SD_MF_NB06_S_13_C

Project Name: Beargrass Interceptor Rehab Ph. 2

Modeled Area: SED

Branch or SSO ID: NB06

Project Type: Pipe Rehab

Receiving Stream: South Fork Beargrass Creek

Project Description: This solution involves heavily cleaning 2,000 LF of 42" interceptor between MH 51594 and MH 73227

Reason for Overflow: Obstructions and root masses

Design Parameters / Assumptions: This solution is based on a 1.82 inch cloudburst rain event

Project Constraints: None at this time

Estimated Capital Cost (2008 dollars): \$57,000




















Weighted Benefit/Cost Ratio (Present Worth): N/A

Overflow Points Addressed:

<u>SSO</u>	<u>SSO Name</u>	<u>Service Area</u>	<u>Overflow Type</u>	<u>Discharge To</u>	<u>Average Overflow / Incident (gallons)</u>
51594	Trevilian Way-Near South Fork Beargrass Creek	Morris Forman	Manhole	Ditch	50

Integrated Overflow Abatement Plan
Vol. 3 - Sanitary Sewer Discharge Plan
 Southeast Diversion
 Solution ID # S_SD_MF_NB06_S_13_C
 Beargrass Interceptor Rehabilitation Ph. 2

Preliminary - For Budget Development Only
Legend

-  Documented SSO
-  Suspected SSO
-  Haul Operation
-  Proposed Pump Station Solution
-  Pump Station
-  WWTP
-  Proposed Pipe Solution
-  Force Main
-  Collector < 12"
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