



SSO SSDP Project Fact Sheet



SSO Project Number: S_MC_WC_NB01_M_01_A

Project Name: Shively Interceptor

Modeled Area: Mill Creek

Branch or SSO ID: NB01

Project Type: Pipe Upgrades

Receiving Stream: Mill Creek and Heatherfield Ditch

Project Description: Construct 18,830 LF of new gravity sewers (10" – 27") to eliminate pump stations. This is the Shively Interceptor capital improvement project.

Reason for Overflow: Pump station capacity (hydraulic bottleneck & backwater effects)

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

Project Constraints: None at this time

Capital Projects: B06208 ~ Shively Interceptor - Preliminary Design

Estimated Capital Cost (2008 dollars): \$16,419,000

Weighted Benefit/Cost Ratio (Present Worth): 6.70

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>
04498	820 Echo Bridge Road	West County	Manhole	Stream	Suspected-no data
04542	Fern Lea PS Wet Well	West County	Manhole	Ditch	91,500
81814-W	Pioneer Road PS	West County	Pumped	Ditch	32,750
MSD0047-PS	Fern Lea	West County	Pumped	Catch basin	141,083
MSD0050-PS	Garrs Lane	West County	Pumped	Ditch	72,000

Integrated Overflow Abatement Plan
Vol. 3 - Sanitary Sewer Discharge Plan
 Mill Creek Sewershed
 Solution ID # S_MC_WC_NB01_M_01_A
 Shively 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

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

1 inch = 800 feet
 Scalable when printed on 11" X 17" paper

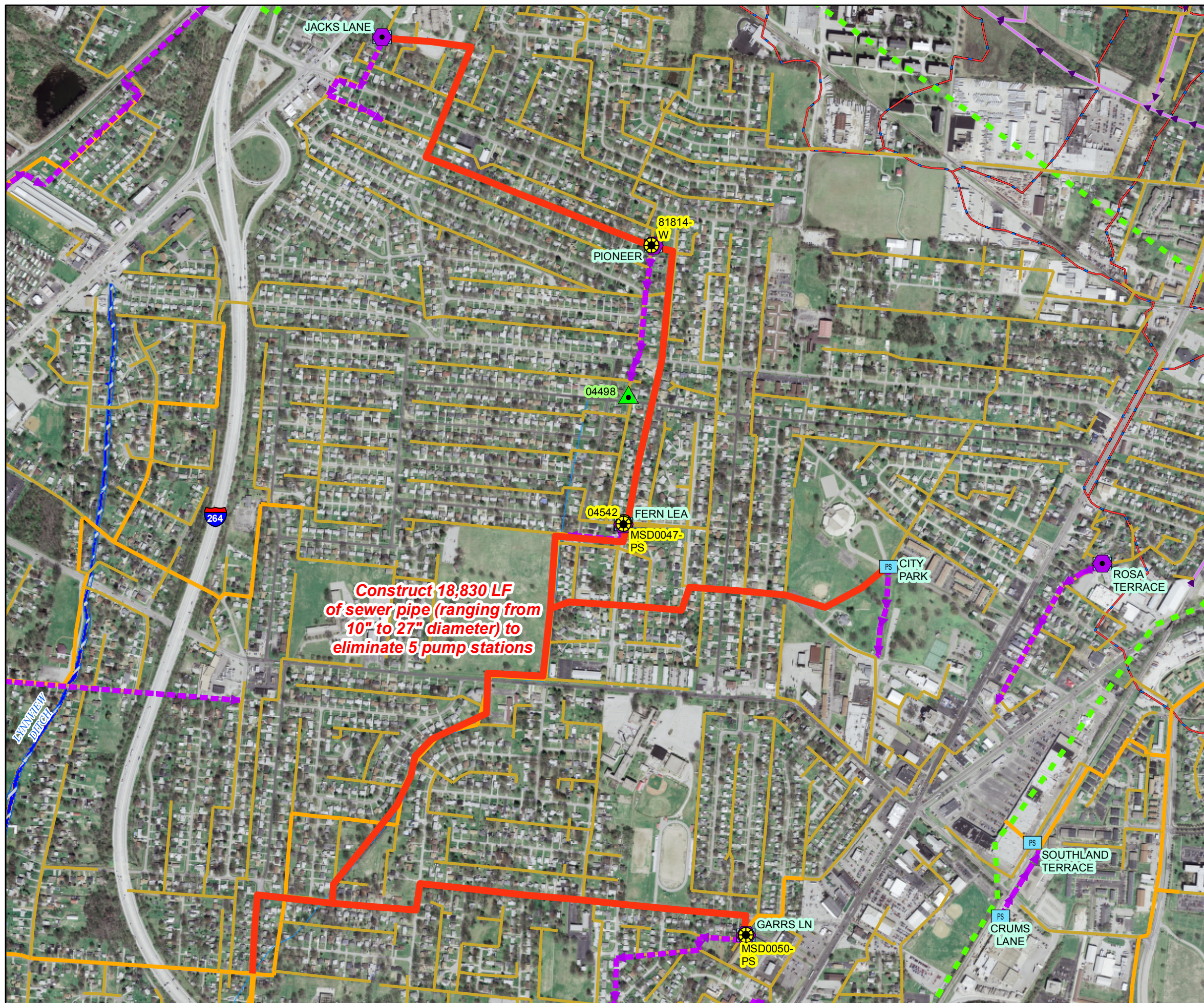


Some boundaries are uniquely symbolized within the map.

Map Revision
 May 07, 2009
 Aerial Date: 2006



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SSO SSDP Project Fact Sheet



SSO Project Number: S_MC_WC_NB02_S_03_C

Project Name: East Rockford PS Relocation

Modeled Area: Mill Creek

Branch or SSO ID: NB02

Project Type: Pump Station Replacement and Relocation

Receiving Stream: Mill Creek

Project Description: Relocate and replace East Rockford PS at 300 GPM. 150 LF of 4" force main will be replaced. Additional 150 LF of 10" gravity improvements required to relocate PS.

Reason for Overflow: Surface flooding

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): \$1,044,000

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>
04699-W	East Rockford PS	West County	Pumped	Ground	No data

Integrated Overflow Abatement Plan
Vol. 3 - Sanitary Sewer Discharge Plan
 Mill Creek Sewershed
 Solution ID # S_MC_WC_NB02_S_03_C
 East Rockford PS Relocation

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.

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