



SSO SSDP Project Fact Sheet



SSO Project Number: S_FF_FF_NB01_S_01_C_A

Project Name: Woodland Hills PS Diversion

Modeled Area: Floyds Fork

Branch or SSO ID: NB01

Project Type: Diversion

Receiving Stream: Pope Lick

Project Description: This alternative consists of replacing the existing overflow and automated gate (to the Woodland Hills PS) with a double barrel overflow that consists of 30 LF for two 12" diameter pipes. The upstream invert of these pipes needs to be 2 inches above the upstream invert of the exiting gravity pipe in MH 82058. This new invert elevation will allow dry weather flow to gravity drain down the interceptor, but anything greater than DWF will be diverted to the PS via the overflow pipes thus reducing the surcharge further down the gravity line. 15 LF of open cut sewer required.

Reason for Overflow: Hydraulic bottleneck

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

Project Constraints: Capacity of other system

Estimated Capital Cost (2008 dollars): \$20,000

Weighted Benefit/Cost Ratio (Present Worth): 92.26

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>
33003	815 Tucker Station Road	Floyds Fork	Manhole	Stream	Suspected-no data
65531	12400 Briery Hill Place	Floyds Fork	Manhole	Ditch	Suspected-no data

Integrated Overflow Abatement Plan

Vol. 3 - Sanitary Sewer Discharge Plan




















Floyds Fork Sewershed

Solution ID # S_FF_FF_NB01_S_01_C_A

Woodland Hills PS Diversion

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 = 100 feet
Scalable when printed on 11" X 17" paper



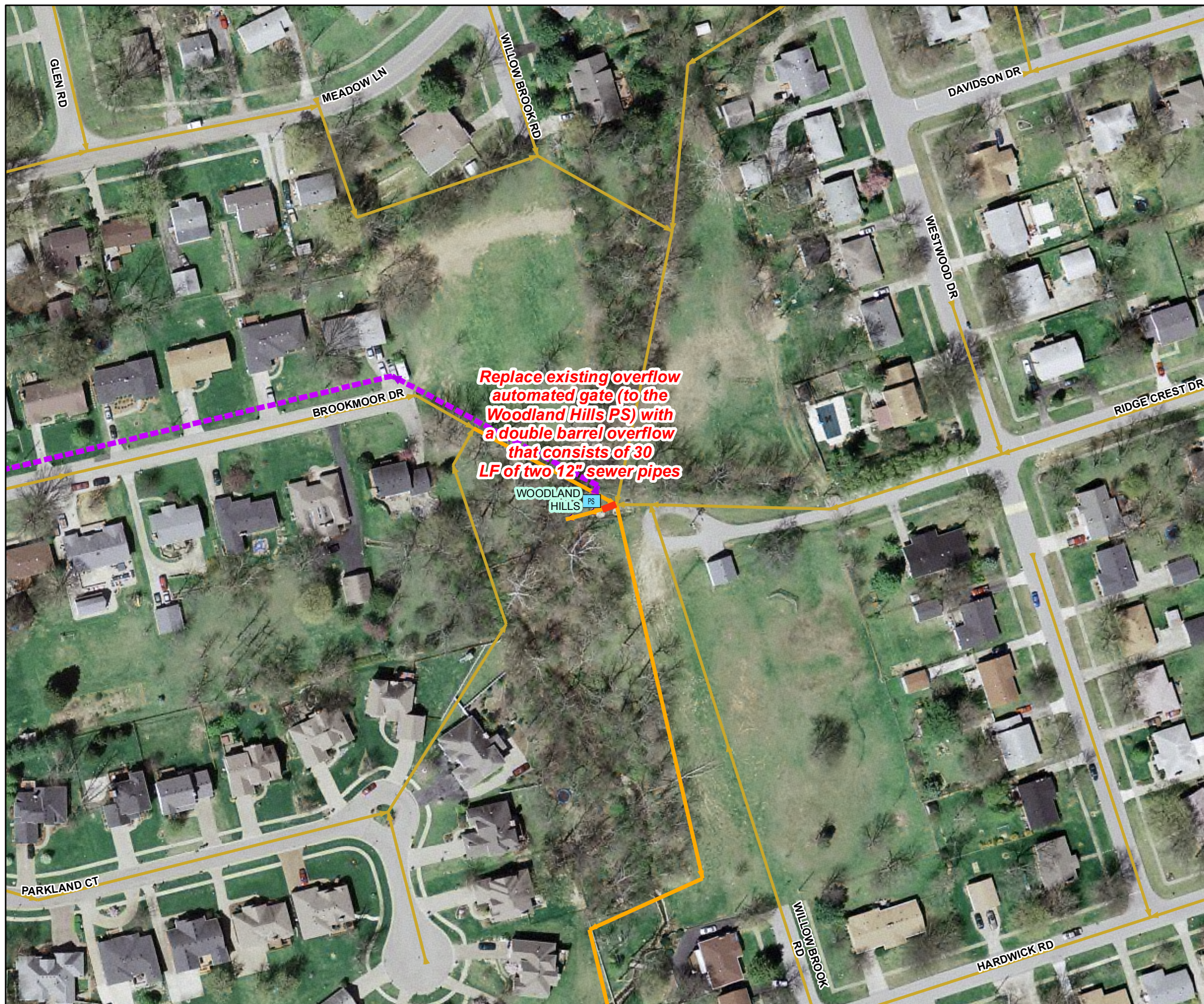
Some boundaries are uniquely symbolized within the map.

Map Revision
May 07, 2009

Aerial Date: 2006



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SSO SSDP Project Fact Sheet



SSO Project Number: S_FF_FF_NB02_S_13_C

Project Name: Eden Care PS SSO Investigation

Modeled Area: Floyds Fork

Branch or SSO ID: NB02

Project Type: Monitor

Receiving Stream: Floyds Fork

Project Description: Monitor the Eden Care PS during rain events for the next three years according to SORP protocols .

Reason for Overflow: Pump station capacity / suspected blockage

Design Assumptions: The only overflow record for this location occurred on March 18, 2006 and is suspected to have been caused by a blockage.

Project Constraints: None

Estimated Capital Cost (2008 dollars): This work will be performed under the SORP/CMOM programs

Weighted Benefit/Cost Ratio (Present Worth): --




















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>
MSD1105-PS	Eden Care	Floyds Fork	Lift Station	Ground	200

Integrated Overflow Abatement Plan
Vol. 3 - Sanitary Sewer Discharge Plan
 Floyds Fork Sewershed
 Solution ID # S_FF_FF_NB02_S_13_C
 Eden Care PS SSO Investigation

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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SSO SSDP Project Fact Sheet



SSO Project Number: S_FF_FF_NB03_M_01_C_A

Project Name: Ashburton PS Improvements and Diversion

Modeled Area: Floyds Fork

Branch or SSO ID: NB03

Project Type: Upgrade Force Main & Pipes

Receiving Stream: Floyds Fork

Project Description: This alternative includes diverting flow from Ashburton PS by upgrading 370 LF of FM (from 2" to 6") and adding 115 LF of 8" gravity sewer. It also eliminates the overflow at Olde Copper Ct PS.

Reason for Overflow: Pump station capacity

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): \$118,000

Weighted Benefit/Cost Ratio (Present Worth): 161.00

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>
MSD0165-PS	Olde Copper Court	Floyds Fork	Lift station	Ditch	2,320
MSD0166-PS	Ashburton	Floyds Fork	Lift station	Ground	No data

Integrated Overflow Abatement Plan

Vol. 3 - Sanitary Sewer Discharge Plan




















Floyds Fork Sewershed

Solution ID # S_FF_FF_NB03_M_01_C_A

Ashburton PS Improvements & Diversion

Preliminary - For Budget Development Only

Legend

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