

Jeffersontown Water Quality Treatment Center Elimination Plan

IOAP Public Input Meeting
May 15th, 2012

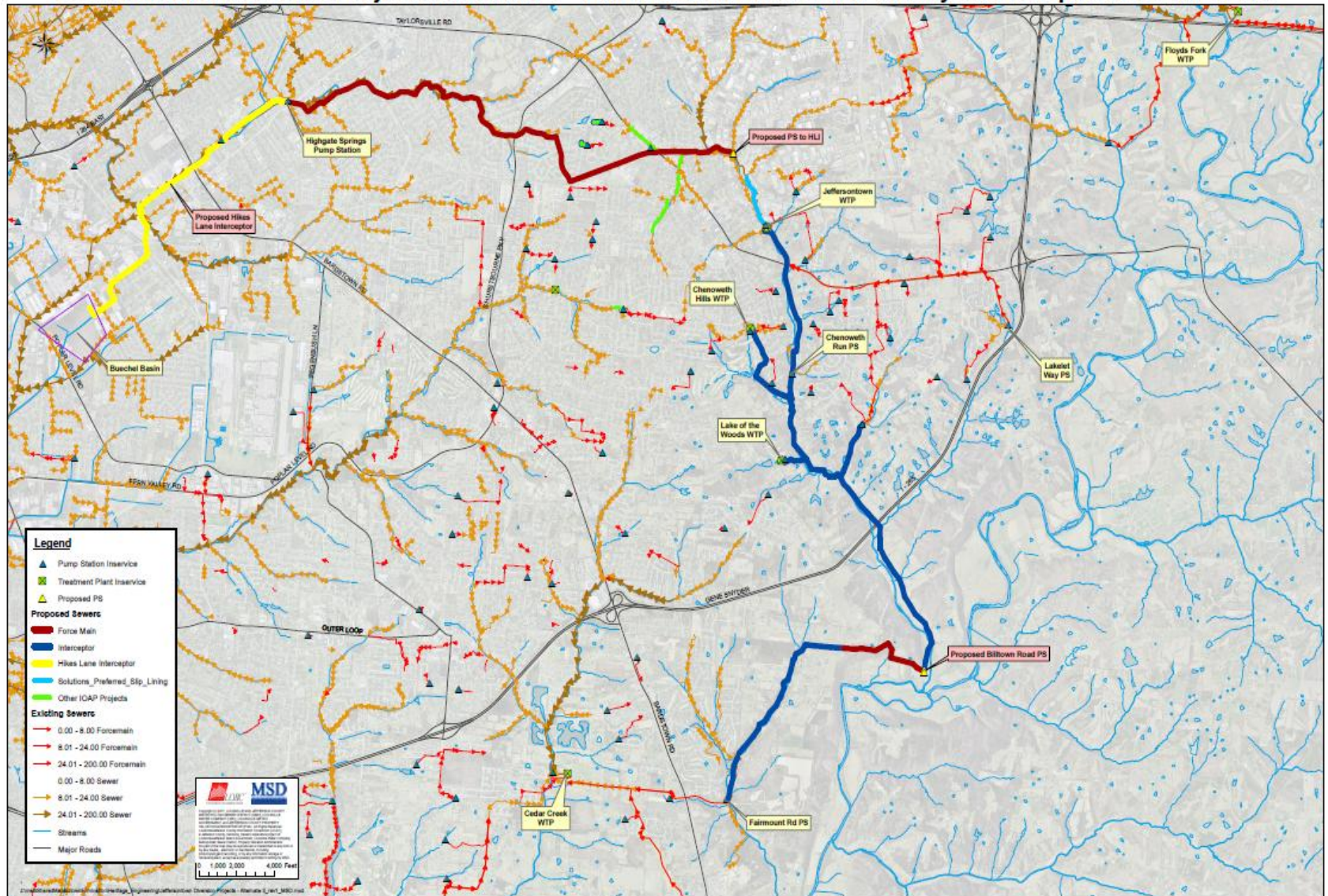


Overview

- Communicate
 - Overview previous input opportunities
 - Review current project status
 - The path to completion
- Provide Input Opportunity
 - Grand Avenue Pump Station appearance and landscaping/screening plan
 - Special restoration considerations



Jeffersontown Diversion Projects: Alternate 3 - Public Works PS to HLI & Gravity and Pumped to Cedar Creek



Grand Avenue

Pump Station and Force Main

- Dry weather flows to Morris Forman WQTC
- Wet weather flows to the Derek R. Guthrie WQTC
- Project stage – 30% Design
- Schedule – December 2014
- Land acquisition – In progress
- Permitting
- Alignments





Plot Date 5/15/2012

LOJIC Software



0 200

Distance in feet

GRAND AVENUE PUMP STATION SITE

Legend
 1. Grand Avenue Pump Station Site
 2. Existing J-Town Water Quality Treatment Center
 3. Other
 4. Street
 5. Waterway
 6. Property Line
 7. Easement
 8. Right of Way
 9. Other
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 100. Other



Grand Avenue Pump Station Site





GRAND AVENUE PUMP STATION & HIGH-FLOW DETENTION FACILITY
LOUISVILLE-JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT





NOT TO SCALE

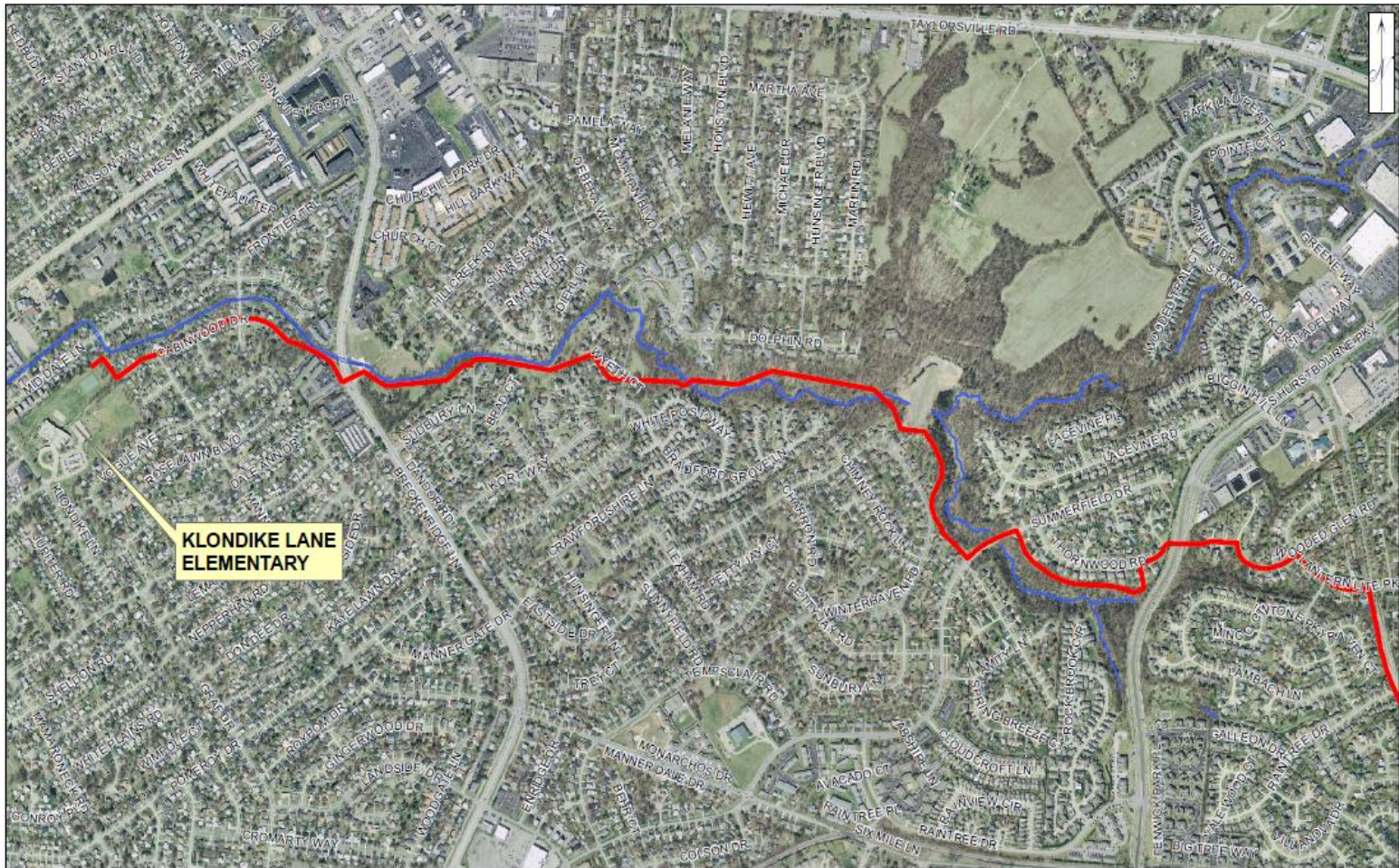
Jeffersontown Force Main East

File Name: JtownFM-East.mxd



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**KLONDIKE LANE
ELEMENTARY**

NOT TO SCALE

Jeffersontown Force Main West

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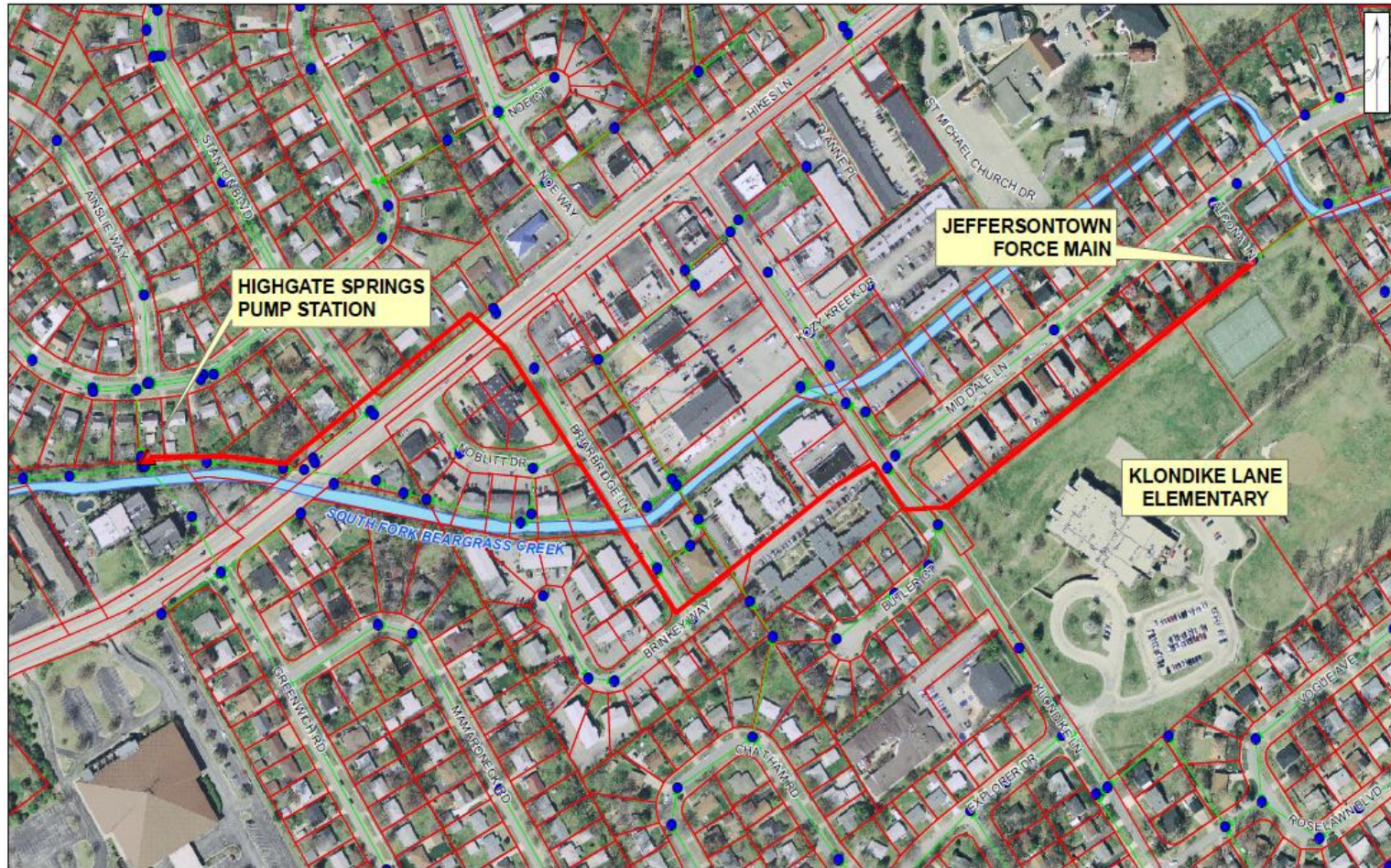
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Klondike Interceptor – North Section

- Project stage – 100% Design
- Schedule – December 2013
- Land acquisition – In progress
- Permitting





Klondike Interceptor

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Jeffersontown Elimination North Section Construction Schedule – Completion Dates

December 2013 - Klondike Interceptor

December 2014 - Grand Ave. Pump Station & Force Main

July 2015 - Jeffersontown Plant & Siphon Elimination



Broad Run Interceptor – South Section

- Project stage – Restoration
- Schedule – July 2012



Seatonville Road Pump Station – South Section

- Project stage – Under Construction
- Schedule – Complete July 2012



Seatonville Road Pump Station and Force Main – South Section



Seatonville Road Pump Station – South Section



Seatonville Road Force Main – South Section



Billtown Interceptor – South Section

- Project stage – Restoration
- Schedule – June 2012
- Land acquisition – Complete



Billtown Interceptor – South Section Restoration



Billtown Interceptor – South Section Stream Restoration

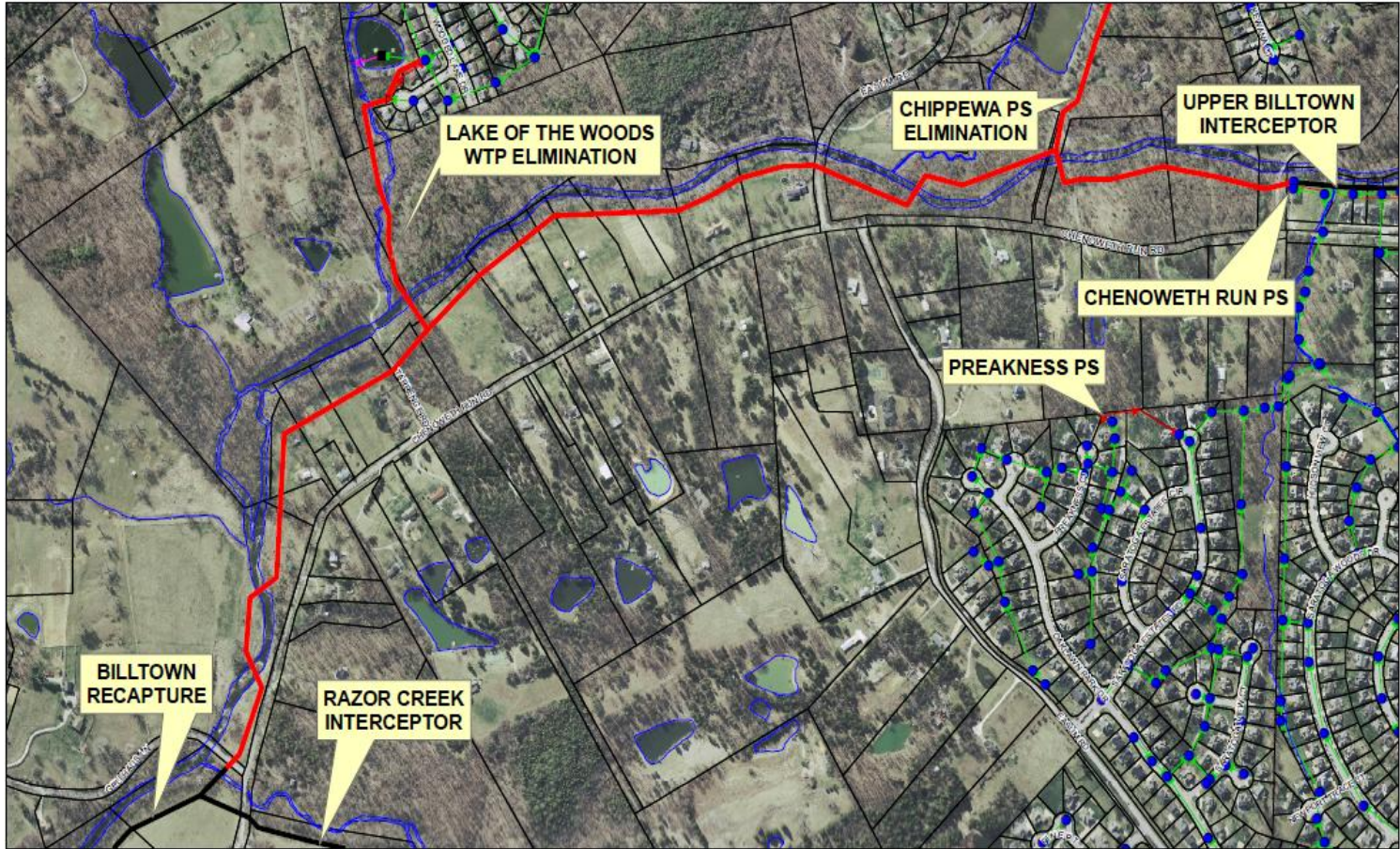


Chenoweth Run

Pump Station Elimination

- Project stage – 90% Design
- Schedule – October 2013
- Land acquisition – In progress
- Permitting
- Alignment





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Chenoweth Run PS Elimination



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Chenoweth Run Pump Station Elimination



Chenoweth Run
Pump Station

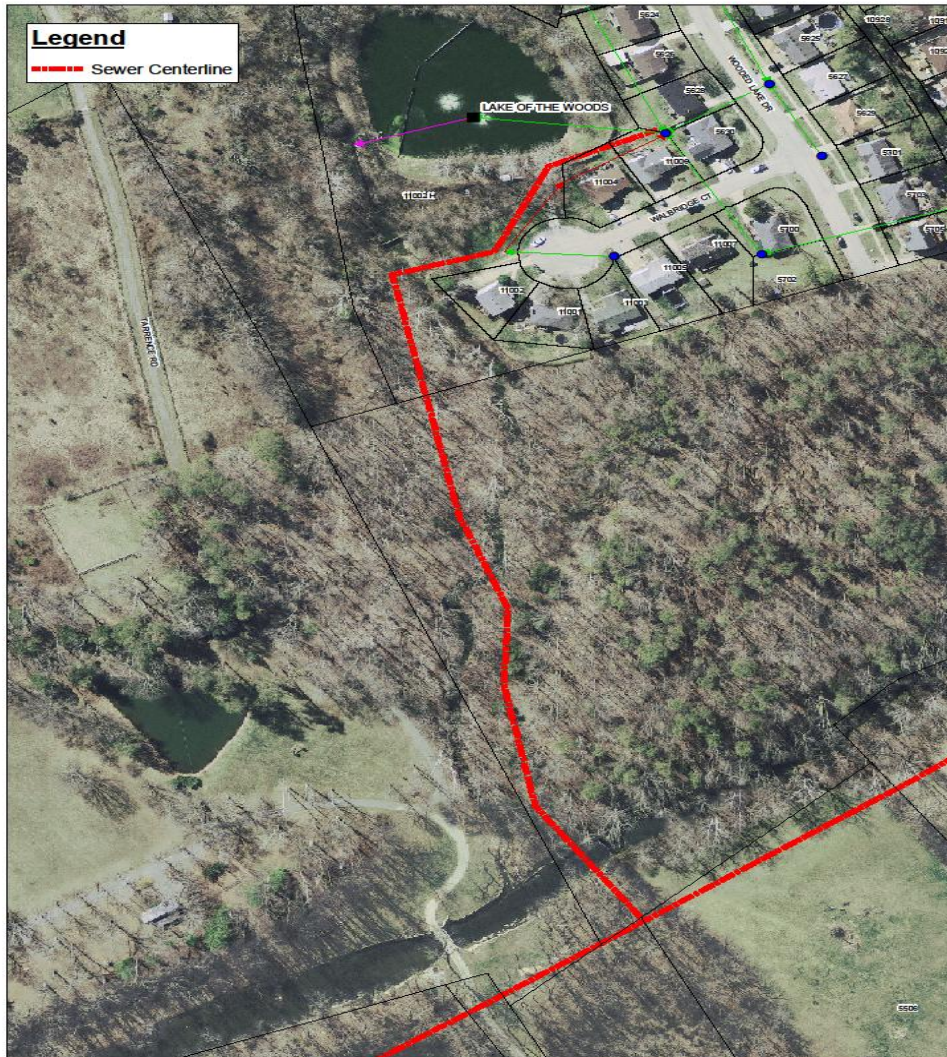
Chenoweth Run Creek
downstream of
Lake of the Woods WQTC



Lake of the Woods WQTC Elimination

- Project stage – 90% Design
- Schedule – October 2013
- Land acquisition – In progress
- Permitting
- Alignment





Legend
 --- Sewer Centerline



LOTW WQTC Elimination



File Name: ChenRunPSSBn_LOTWalignment.mxd

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Lake of the Woods WQTC Elimination



Lake of the Woods
Lift Station

Lake of the Woods
Sewage Lagoon

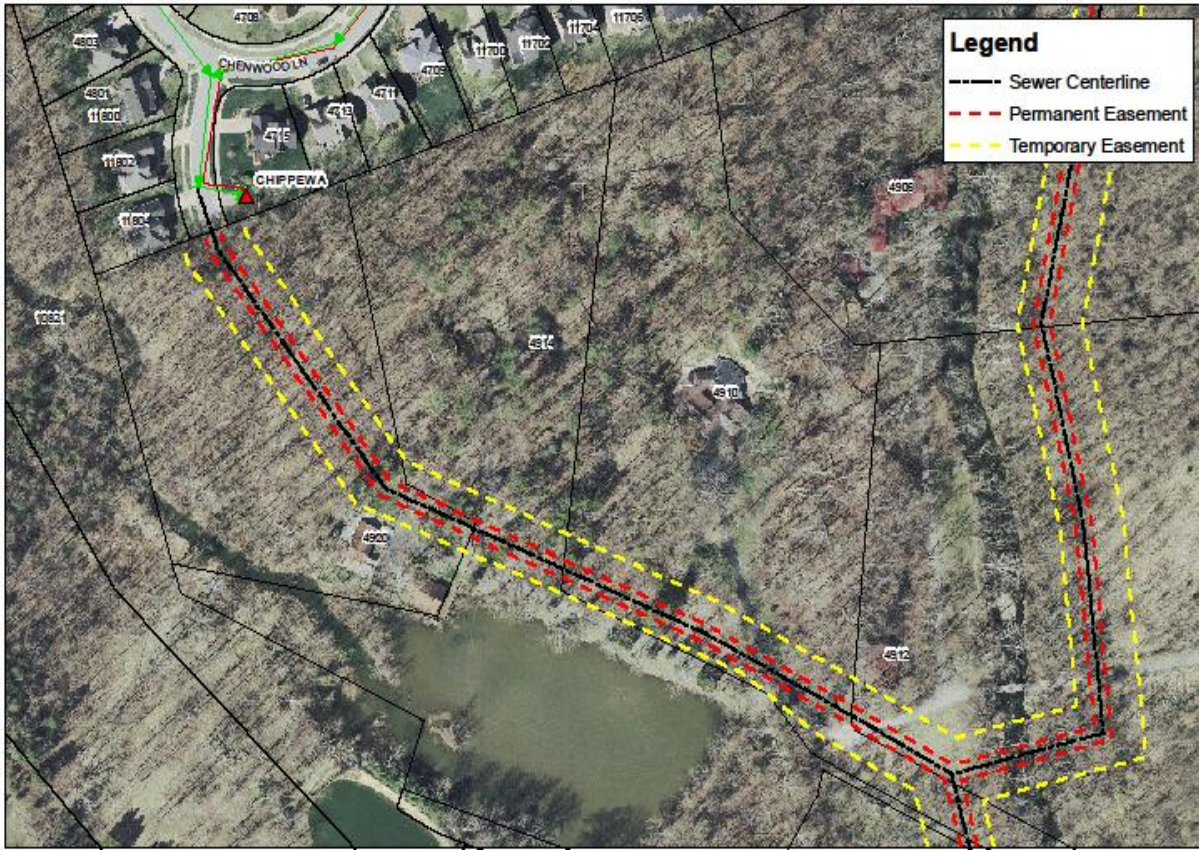


Chippewa

Pump Station Elimination

- Project stage – 90% Design
- Schedule – October 2013
- Land acquisition – In progress
- Permitting
- Alignment





Chippewa PS Elimination



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Chenoweth Hills

WQTC Elimination

- Project stage – 60% Design
- Schedule – June 2014
- Land acquisition – Awaiting start
- Permitting
- Alignment



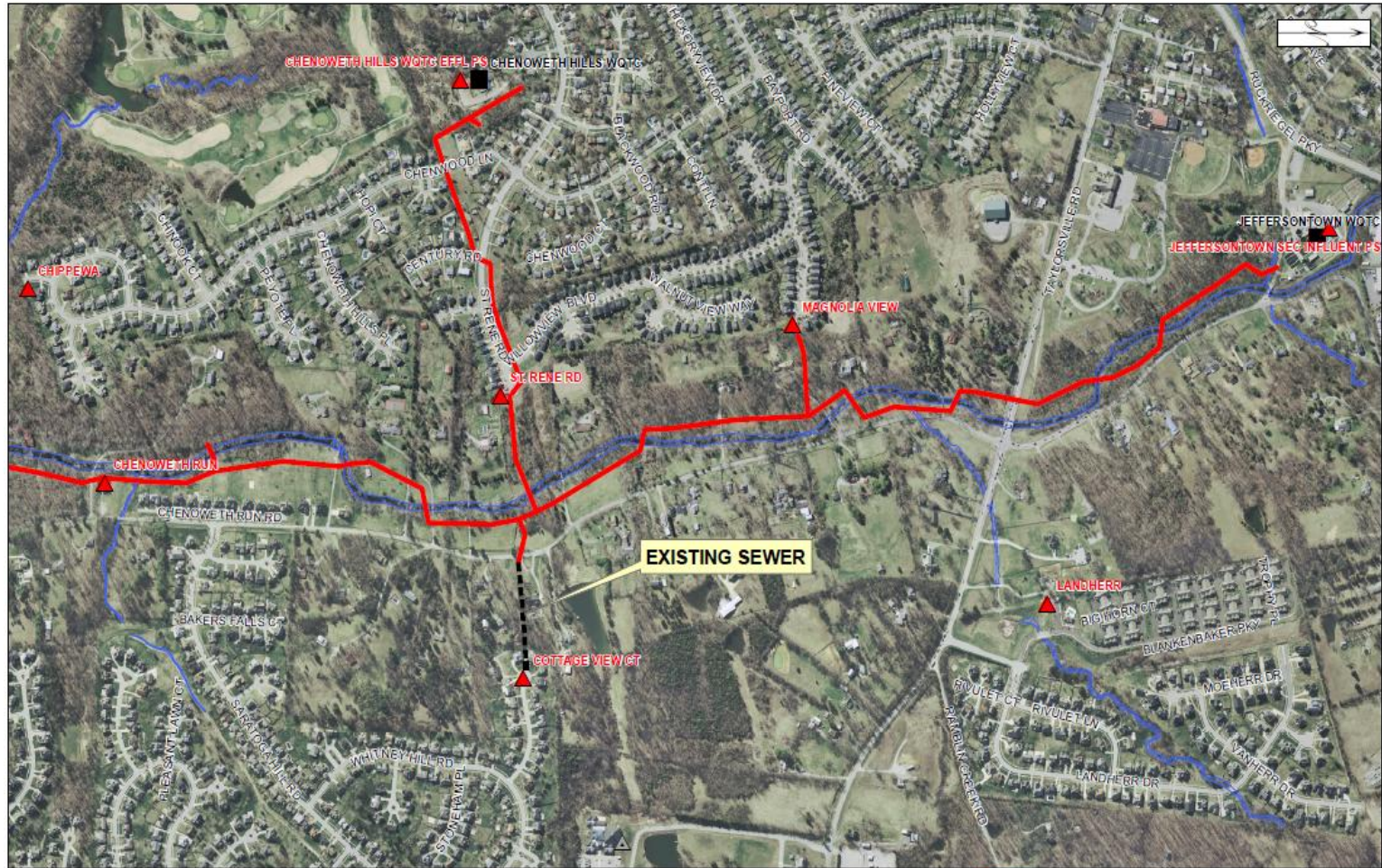
Chenoweth Hills WQTC Elimination



Upper Biltown Interceptor

- Project stage – 100% Design
- Schedule – June 2014
- Land acquisition – Awaiting start
- Permitting





Upper Billtown Interceptor

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Jeffersontown WQTC Elimination

- Demolition plan
- Site restoration plan



Jeffersontown WQTC Elimination

- Upstream manhole & siphon
- Scheduled for removal by July 2015



Jeffersontown Elimination South Section Construction Schedule – Completion Dates

June 2012 – Billtown Interceptor

July 2012 – Broad Run Interceptor

August 2012 – Seatonville Pump Station & Force Main

October 2013 – Chenoweth Run Pump Station Elimination

Lake of the Woods WQTC Elimination

Chippewa Pump Station Elimination

June 2014 – Upper Billtown Interceptor

Chenoweth Hills WQTC Elimination

July 2015 – Jeffersontown WQTC & Siphon Elimination



Jeffersontown Plant Elimination & Related Projects – North & South Sections

Total Cost Estimate = \$47.5 Million

Benefits Include:

- Improved water quality in Chenoweth Run Creek and Floyds Fork Creek by elimination of plant effluent (three treatment plants).
- Reduces wet weather discharges by addressing SSO's during heavy rain events.
- Saves annual operating cost from 3 plants and 5 pump stations (\$100,000 per year).
- Prevents future upgrade cost of existing plants.
- Plans for the future growth and potential regional solution.



Jeffersontown Plant Elimination & Related Projects Summary

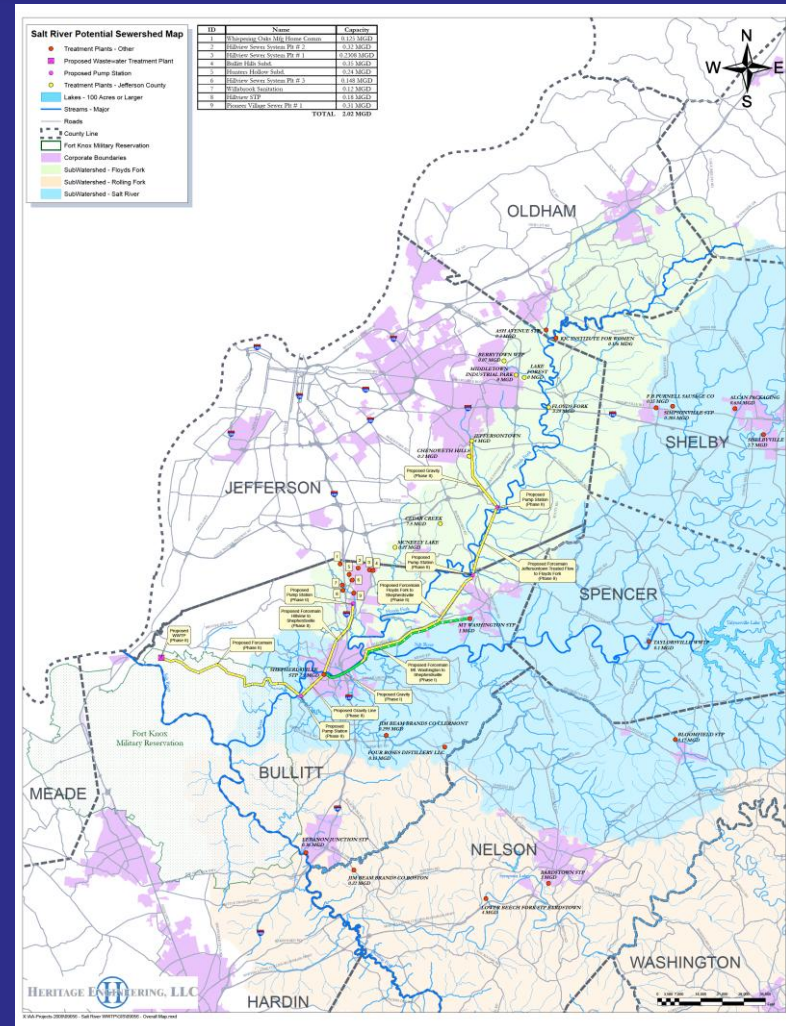
Benefits includes elimination of:

- Three treatment plants:
 1. Jeffersontown
 2. Chenoweth Hills
 3. Lake of the Woods
- Five Pump Stations:
 1. Chenoweth Run
 2. Chippewa
 3. Valley Park
 4. Magnolia View
 5. St. Rene
- Provides potential gravity outlet for seven additional existing pump stations.



Jeffersontown Treatment Plant Elimination

- Future Regional Solution
- HB26 – 2011
- Potential regional plant on the Salt River.
- Serve multiple Counties.
- Plans allow for flows to divert to regional plant.



Public Input Opportunity

- Grand Avenue Pump Station
 - Building appearance
 - Landscaping/screening plan
- Special restoration considerations



Public Input Sought

- Comment tonight (written or video)
- Provide comments by June 15, 2012
- Send comments via email
commentsIOAP@msdlouky.org
- Mail comments
MSD IOAP Project Comments
Attention: Project WIN Program Manager
700 West Liberty St.
Louisville, KY 40203

