

## APPENDIX D

### Long Term Control Plan - Separation of Combined Sewers

The City shall implement the following program to separate all of its combined sewer system as five projects:

#### **Project 1 – North Ironton**

This project will eliminate the Nash and First Street CSO (Outfall 004) and the Orchard Street CSO (Outfall 018). The project comprises approximately 23,500 feet of 36-inch and smaller diameter storm sewers. A detailed map of the sanitary and storm sewer separation is in Appendix D-1. The sewer separation project shall be constructed in accordance with the following schedule:

Commence Project Design	January 31, 2009
Approval of Design and Project Bidding	December 31, 2011
Award of Construction Contracts	May 31, 2012
Start of Construction	July 31, 2012
Completion of Construction	December 31, 2013

#### **Project 2 – North Fifth and Elm Street**

This project will eliminate the North Fifth Street CSO (Outfall 011). The project comprises approximately 3,200 feet of 36-inch diameter and smaller storm sewers. A detailed map of the sanitary and storm sewer separation is in Appendix D-2. The sewer separation project shall be constructed in accordance with the following schedule:

Commence Project Design	January 31, 2012
Approval of Design and Project Bidding	July 31, 2013
Award of Construction Contracts	May 31, 2014
Start of Construction	July 31, 2014
Completion of Construction	December 31, 2015

**Project 3 – Mastin Avenue / South Ironton**

This project will eliminate the Mastin Avenue CSO (Outfall 010). The project comprises approximately 3,400 feet of 36 to 60-inch and 1,700 feet of 36-inch diameter and smaller storm sewers. A detailed map of the sanitary and storm sewer separation is in Appendices D-3 and D-4. The sewer separation project shall be constructed in accordance with the following schedule:

Commence Project Design	August 31, 2013
Approval of Design and Project Bidding	December 31, 2015
Award of Construction Contracts	May 31, 2016
Start of Construction	July 31, 2016
Completion of Construction	December 31, 2017

**Project 4 – Walnut to Madison Street / South Ironton**

This project will reduce and ultimately eliminate the Walnut Street CSO (Outfall 009). The project comprises approximately 1,400 feet of 36 to 60-inch and 8,900 feet of 36-inch diameter and smaller storm sewers. A detailed map of the sanitary and storm sewer separation is in Appendices D-3. The sewer separation project shall be constructed in accordance with the following schedule:

Commence Project Design	January 31, 2017
Approval of Design and Project Bidding	December 31, 2019
Award of Construction Contracts	May 31, 2020
Start of Construction	July 31, 2020
Completion of Construction	December 31, 2023

**Project 5 – Madison Street to WWTP / South Ironton**

This project will eliminate the Walnut Street CSO (Outfall 009), Mill Street CSO (Outfall 017), Etna Street CSO (Outfall 008), and Hecla Street CSO (Outfall 007). The project comprises approximately 6,300 feet of 36 to 60-inch and 4,500 feet of 36-inch diameter and smaller storm sewers. A detailed map of the sanitary and storm sewer separation is in Appendices D-2 and D-3. The sewer separation project shall be constructed in accordance with the following schedule:

Commence Project Design	January 31, 2020
Approval of Design and Project Bidding	December 31, 2022
Award of Construction Contracts	May 31, 2023
Start of Construction	July 31, 2023
Completion of Construction	December 31, 2026

# Appendix D-1



For Internal Use	For External Use	For Bid
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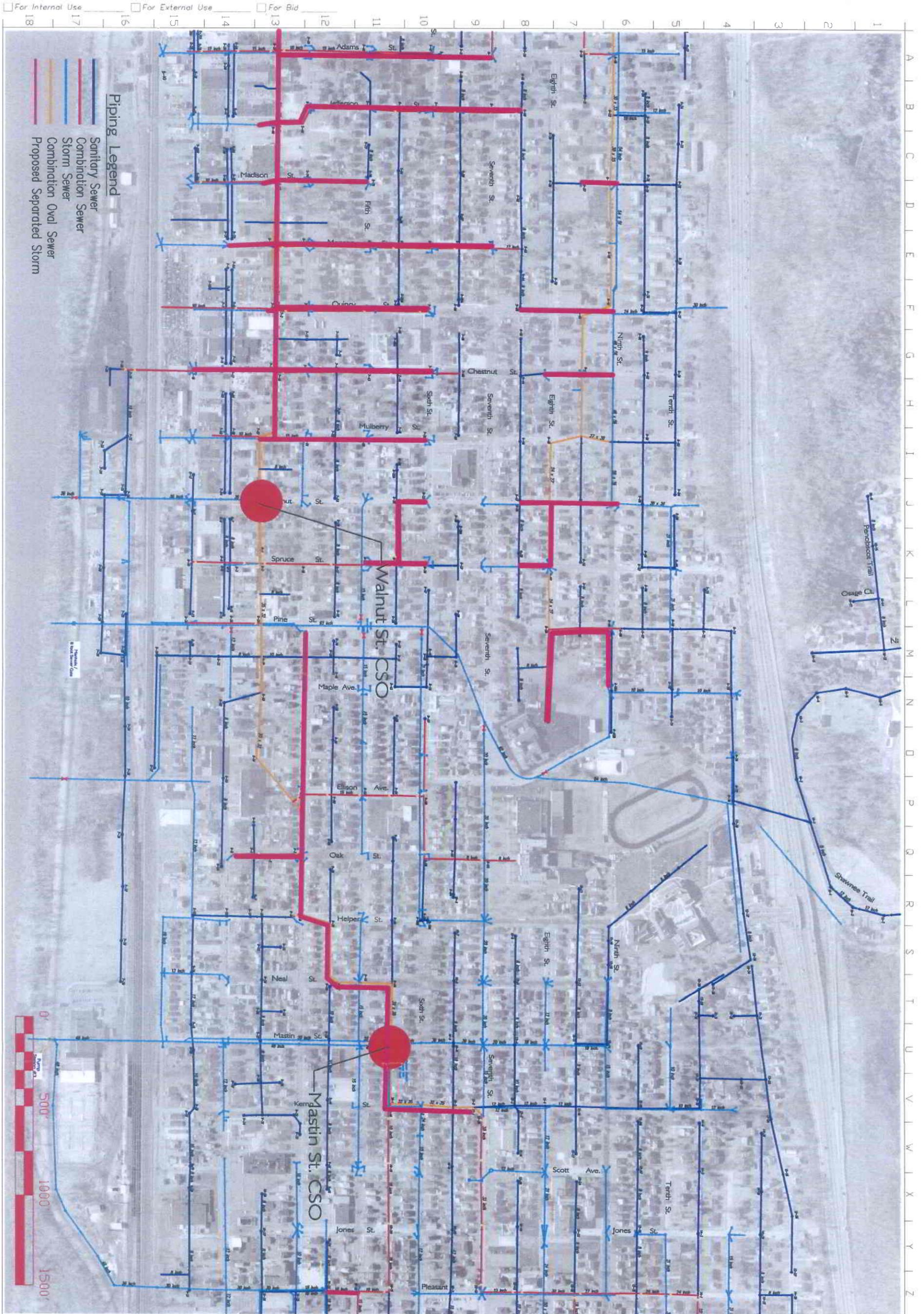
## Proposed Sanitary/Storm Separation

Revisions	

Date	
Drawn By	
Designed By	
Approved By	
Scale	
Contract No.	
Sheet No.	1 of 4



# Appendix D-3



Date	
Drawn by	
Designed by	
Approved by	
Scale	
Contract No.	
Sheet No.	3 of 4

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Proposed Sanitary/Storm Separation

Revisions	

