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Muscatine, IA 52761-5040
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Public Works

City Transit
263-8152

MEMORANDUM

Equipment Maintenance
Roadway Maintenance
Collection & Drainage
Building & Grounds
Engineering

To: Gregg Mandsager, City Administrator
CC: Fran Donelson, Secretary
FROM: Randy Hill, Public Works Director
DATE: February 2, 2015
RE: West Hill Sewer Project – Phase III

INTRODUCTION:

The City of Muscatine is under a Federal EPA Consent Order to separate all storm and sanitary sewers by 2028.

BACKGROUND:

For the past 25 years the City has been methodically separating the storm and sanitary sewers in the community. This work has been accomplished using the One Cent Local Option Tax. All of the City's permitted Combined Sewer Overflows (CSO's) have been eliminated with the exception of the Papoose Creek Pump Station. Since 2012 the City of Muscatine has focused on the West Hill Storm & Sanitary Separation to meet the 2028 consent order.

RECOMMENDATION/RATIONALE:

Stanley Consultants Inc. has been retained to provide the designs and cost estimates for the West Hill Area Sanitary and Storm Sewer Separation. The overall project has been approached in phases. Phase III is intended to begin in the Spring of 2015. A presentation will be given at the City Council meeting concerning the project and the proposed schedule for Phase III of the project.

BACKUP INFORMATION:

1. Project Memo – Phase III West Hill Sewer Separation
2. Proposed Schedule

**West Hill Area
Sanitary and Storm Sewer Separation Phase 3
Muscatine, Iowa**

Public Hearing – Feb 5th, 2015, Thursday 7pm

Background/Purpose

- Part of a multiple phase, long term project
- Sewer separation and elimination of combined sewer overflows (CSOs) in the West Hill Area
- City has been working for decades on sewer separation throughout the City
- EPA Consent Order – Formalized in 2007 to comply with the Clean Water Act
- Separation in West Hill to be completed by 2028
- West Hill Phase 1-2 – Constructed between 2012-2014
- With completion of Phase 1 and 2, the City is 21% in separating West Hill

Phase 3

- Divided into 3 phases – 3A, 3B, 3C
- Separate sanitary and storm sewer pipes
- Full width pavement replacement, sidewalk, sodding
- Excavated trench material taken to ravine fill site off 8th Street

Location

- Phase 3A – Chestnut, 5th, Pine, 7th, Broadway
- Phase 3B – 5th, Linn, Spruce, Locust
- Phase 3C – 4th St Park Area, Cherry Lane, Broadway, 5th, Sycamore

Schedule

- 2015 - Feb 19 – Approve Plans and Specs for advertisement
- 2015 - Mar 19 -Bid Opening
- 2015 - May thru Dec – Phase 3A Construction
- 2016 - March thru Dec – Phase 3B Construction
- 2017 - March thru Dec – Phase 3C Construction

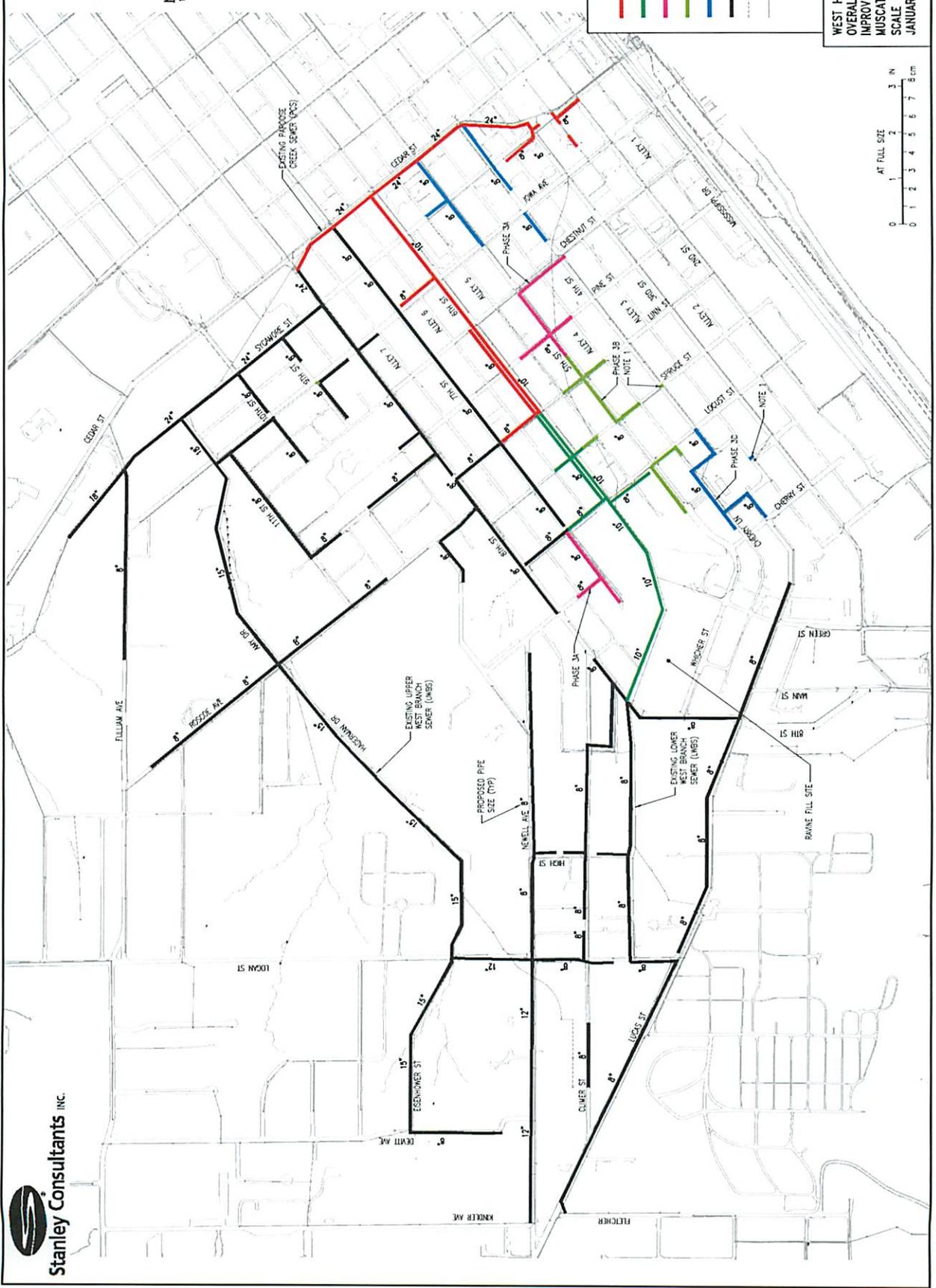
Sewer and Paving - Construction Cost Opinion

- Phase 3A - \$1.6M
- Phase 3B - \$2.0M
- Phase 3C - \$2.4M
- City Funds – One Cent Local Option Tax

MP&W Water Main

- Alternate Bid
- Water Main Improvements located throughout 3A, 3B, 3C
- \$1.0M For all 3 phases

NORTH



NOTE:
1. MANHOLE REPLACEMENT.

LEGEND

- PHASE 1 - 2012/2013
- PHASE 2 - 2013/2014
- PHASE 3A - 2015
- PHASE 3B - 2016
- PHASE 3C - 2017
- FUTURE
- SANITARY SEWER
- COMBINED SEWER

**WEST HILL
OVERALL PROPOSED SANITARY
IMPROVEMENTS
MUSCATINE, IOWA
SCALE 1:300 (AT FULL SIZE)
JANUARY 2015**





Stanley Consultants

COLLABORATE. CONNECT. COMPLETE.

West Hill Area Sanitary and Storm Sewer Separation Phase 3

**Public Hearing
February 5th, 2015, Thursday, 7 pm**

West Hill Sewer Separation

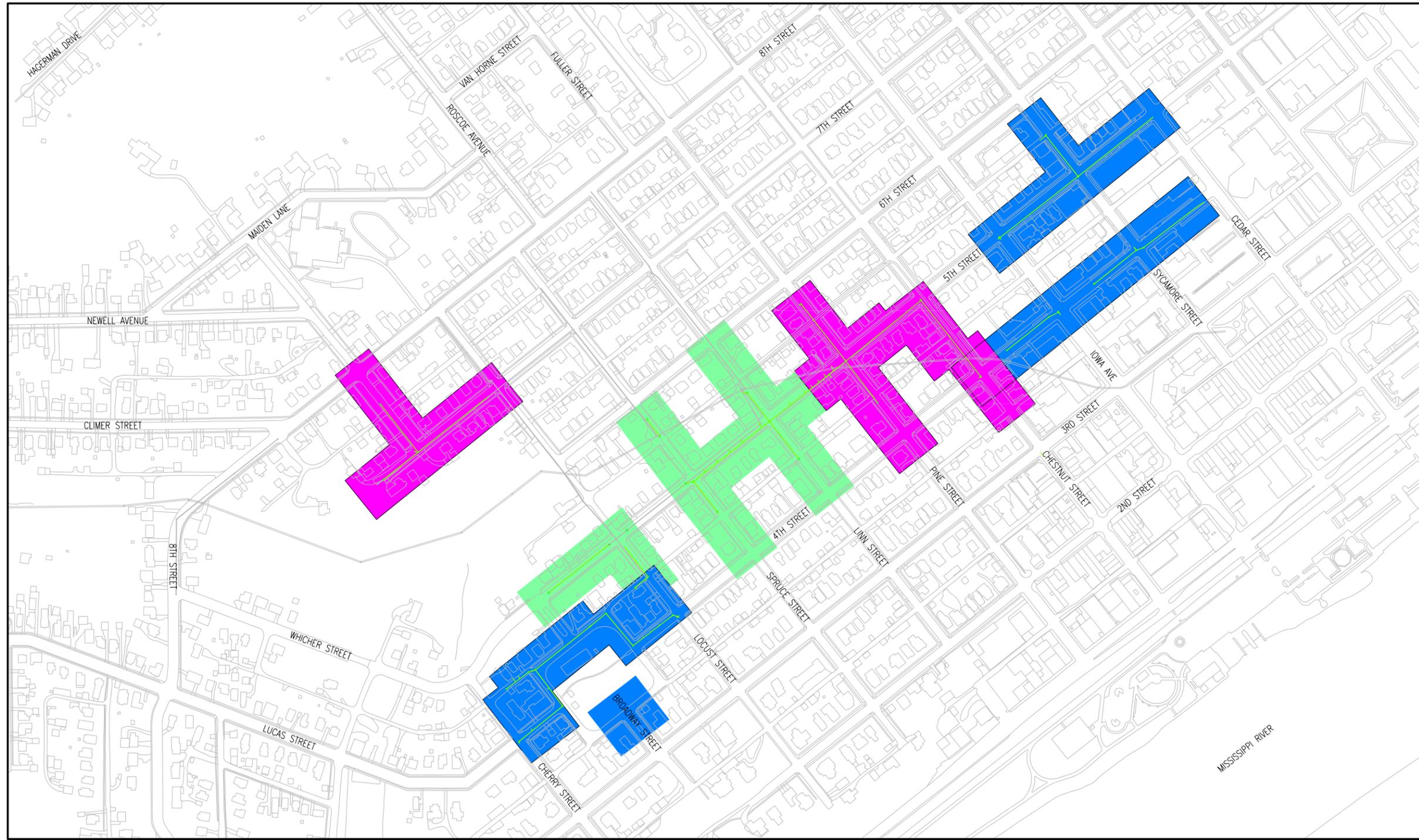
- Part of a multiple phase, long term project
- Sewer separation and elimination of Combined Sewer Overflows (CSOs)
- 2007 Consent Order Agreement with EPA to meet the Clean Water Act
- All separation to be completed by 2028
- Phase 1 and 2 completed in 2012-2014



Phase 3

- Divided into 3 phases – 3A, 3B, 3C
- Construct separate sanitary and storm sewers
- Full width pavement replacement with some sidewalk replacement and sodding
- Excavated trench material taken to ravine fill site off 8th Street





LEGEND

- PHASE 3A
- PHASE 3B
- PHASE 3C

**WEST HILL AREA
SANITARY AND STORM SEWER SEPARATION
PHASE 3
MUSCATINE, IOWA**

AT FULL SIZE

- **Location – See Map**
- **Schedule:**
 - Feb 19, 2015 – Approve Plans and Specs for Advertisement
 - March 19, 2015 – Bid Opening
 - Phase 3A Construction – May to Dec 2015
 - Phase 3B Construction – March to Dec 2016
 - Phase 3C Construction – March to Dec 2017

- **Construction Cost Estimate**
 - Phase 3A - \$1.6M
 - Phase 3B - \$2.0M
 - Phase 3C - \$2.4M

- **MP&W Water Main – Alternate Bid**
 - \$1.0M – Water Main



Stanley Consultants

Questions/Comments