



State Revolving Fund Loan Programs Drinking Water, Wastewater, Nonpoint Source

PRELIMINARY DECISION OF CATEGORICAL EXCLUSION

TO ALL INTERESTED CITIZENS, ORGANIZATIONS AND GOVERNMENT AGENCIES:

**CITY OF DECATUR
Wastewater Utility Improvements
SRF # WW 07 06 01 02**

Date: August 22, 2013

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in the Decatur's Preliminary Engineering Report Addendum #3 received by the SRF on July 1, 2013, will have no substantial negative environmental impact. Therefore, the SRF is issuing a preliminary decision of Categorical Exclusion from the requirements of substantive environmental review.

How were environmental issues considered?

The National Environmental Policy Act requires agencies disbursing Federal funds to include environmental factors in the decision making process. A summary of the project is attached for your review. The SRF's preliminary review has found that the proposed project does not require the preparation of either an Environmental Assessment or an Environmental Impact Statement.

Why is additional environmental review not required?

Our environmental review has concluded that significant environmental impacts will not result from the proposed action.

How do I submit comments?

Comments can be submitted to:

Max Henschen, Senior Environmental Manager
SRF Programs
317-232-8623; mhensche at ifa.in.gov

CATEGORICAL EXCLUSION

I. PROJECT IDENTIFICATION

Project Name and Address: **Wastewater Utility Improvements
Preliminary Engineering Report Addendum #3**
City of Decatur
225 West Monroe Street
Decatur, IN 46733

SRF Project Number: WW 07 06 01 02

Authorized Representative: The Honorable John Schultz, Mayor

II. PROJECT LOCATION

Decatur is located in north-central Adams County approximately 16 miles southeast of Fort Wayne. There are five project areas: (1) 1st and Monroe Streets sewer separation, (2) 1st and Jackson Streets sewer separation, (3) Miscellaneous Manhole Lining, (4) Rain Gauge Installation and (5) Combined Sewer Overflow (CSO) Outfall Backflow Preventers at CSOs 009 & 011. The project areas are all in the Decatur USGS 7.5' quadrangle, Washington civil township and located as follows: (1) 1st and Monroe Streets sewer separation project is in Township 27N, Range 14E, section 3; (2) 1st and Jackson Streets sewer separation project is in T27N, R14E, section 34; (3) Miscellaneous Manhole Lining project is in T27N, R14E, sections 3 and 34, and T28N, R14E, section 35; (4) The Central Rain Gauge Installation project is in T27N, R14E, section 3; the installation area of the south rain gauge is in T27N, R14E, section 10; and (5) CSO Outfall Backflow Preventers project is in T27N, R14E, section 3. See Figure 1 and other graphics.

III. PROJECT NEED AND PURPOSE

The city has proposed the following Wastewater Utility Improvements:

- A. 1st and Monroe Streets Sewer Separation Project: Two inlets in a parking lot at the southwest corner of 1st and Monroe streets are connected to a combined sewer; their flows increase the frequency and duration of discharges from CSO 009 during rain events. The "No Action" alternative was rejected, since overflows at CSO 009 would not be reduced if this project is not implemented. The town proposes to replace the two inlets and connect them to an adjacent storm sewer by installing approximately 132 feet of 8-inch storm sewer, while permanently abandoning the combined sewer connection (see figures 1 and 2).

- B. 1st and Jackson Streets Sewer Separation Project: Two inlets located at the southeast and southwest corners of the intersection of 1st and Jackson streets are connected to the combined sewer system; their flows increase the frequency and duration of discharges from CSO 005 during rain events. Another inlet does not adequately address the storm water runoff on Jackson Street, causing flooding and backups in the combined sewer system. The "No Action" alternative was rejected, since overflows at CSO 005 would not be reduced if this project is not implemented. The town proposes to replace the two inlets at the intersection of 1st and Jackson Streets and divert the storm water flow to an existing storm sewer by installing approximately 180 feet of 12-inch storm sewer. The other inlet will be located in an alley entrance where the storm water flow will be diverted to an existing storm sewer by installing approximately 50 feet of 12-inch storm sewer. See figures 1 and 3.
- C. Miscellaneous Manhole Lining: Approximately 51 brick sanitary sewer manholes have failed visual inspections and have the potential to be sources of infiltration and inflow (I/I) in the sewer system. The "No Action" alternative was rejected, since these manholes would continue to deteriorate causing excessive I/I to enter the system and eventually cause the manholes to collapse. The selected alternative for rehabilitating the manholes includes replacing the broken mortar at the top of the manhole structure and installing new chimney seals/rubber gaskets for manholes with a diameter of 24- through 36-inches and lining the 48-inch diameter manholes. See figures 4-6.
- D. Rain Gauge Installation: The Indiana Department of Environmental Management (IDEM) has directed the city to install two additional rain gauges in its collection system for redundancy to its rainfall monitoring system. The new monitoring system will provide real time data and online access. The "No Action" alternative was rejected due to the IDEM requirement. The selected alternative involves installing one rain gauge in the center of the city at the City Street Garage on Elm Street and installing the other rain gauge in the south end of the city at the Drinking Water Treatment Plant on Winchester Street. See figures 1 and 7.
- E. CSO Outfall Backflow Preventers: Two outfall flap gates at CSO 009 and 011 need to be replaced to eliminate backflow into the city's combined sewer system from the St. Mary's River. The "No Action" alternative was rejected, since the river would continue to back up into the two outfalls during heavy rain events. The selected alternative includes the replacement of the metal flap gates with resilient seat rubber check valves. See Figure 8.

IV. ESTIMATED PROJECT COST AND FUNDING

The estimated cost for the proposed projects is \$118,565. The city closed a 20-year loan for \$9,276,000 with the SRF on June 3, 2008, and has sufficient funds remaining to pay for the project.

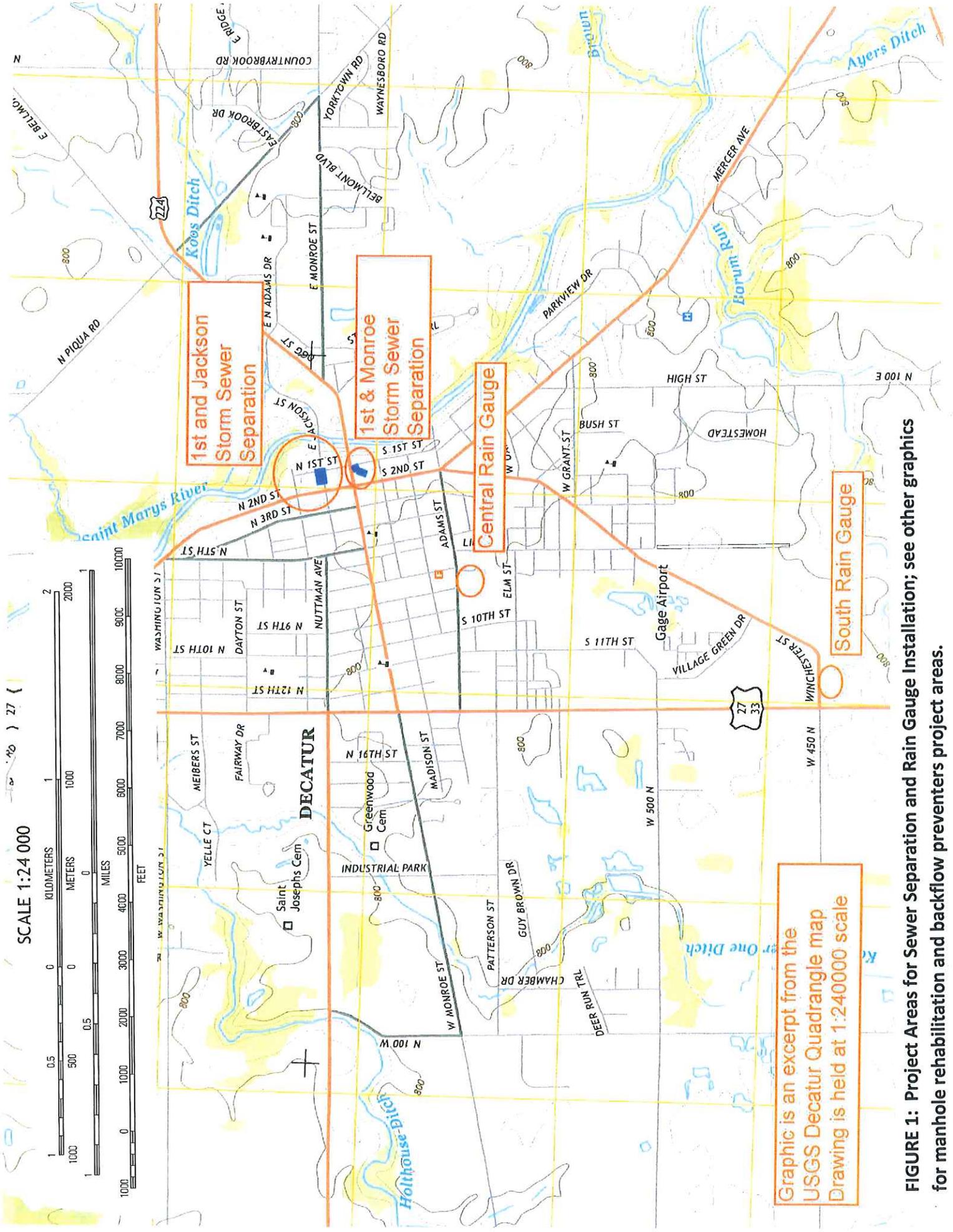
V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

The projects will not affect wetlands, wooded areas, streams, the 100-year flood plain, and will not convert prime farmland.

If any visual or audible impacts to historic properties occur, they will be temporary and will not alter the characteristics that qualify such properties for inclusion in or eligibility for the National Register of Historic Places. The SRF's finding pursuant to the Section 106 of the National Historic Preservation Act is: "no historic properties affected." See figure 2-8.

VI. PUBLIC PARTICIPATION

The city placed a public notice in the Decatur Daily Democrat on August 6, 2013, describing all five projects.



1st and Jackson
Storm Sewer
Separation

1st & Monroe
Storm Sewer
Separation

Central Rain Gauge

South Rain Gauge

Graphic is an excerpt from the
USGS Decatur Quadrangle map
Drawing is held at 1:240000 scale

FIGURE 1: Project Areas for Sewer Separation and Rain Gauge Installation; see other graphics for manhole rehabilitation and backflow preventers project areas.

**Decatur
Commercial
Historic District
21001 - 21091**

1st and Monroe St. Parking Lot
Storm sewer Separation

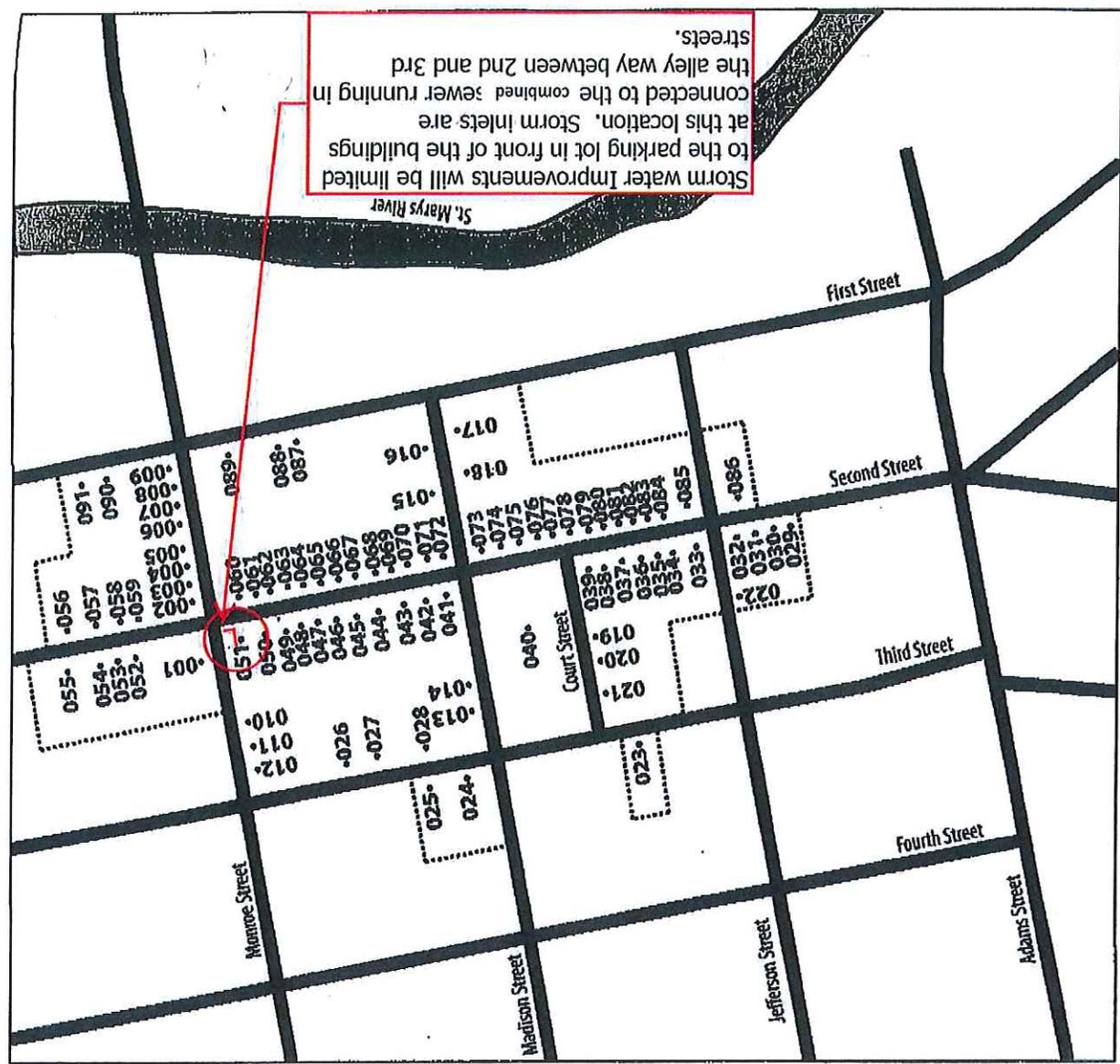
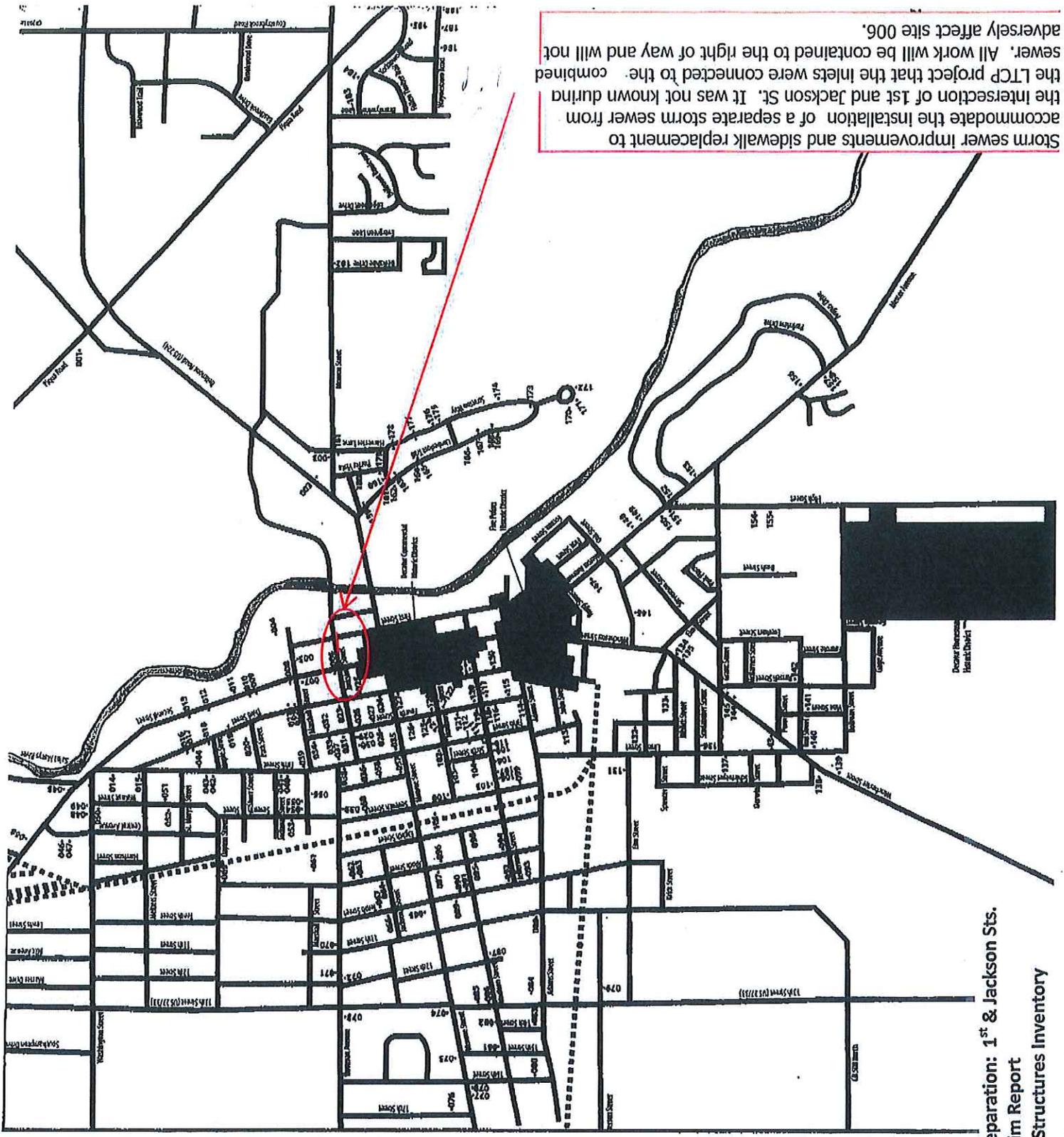


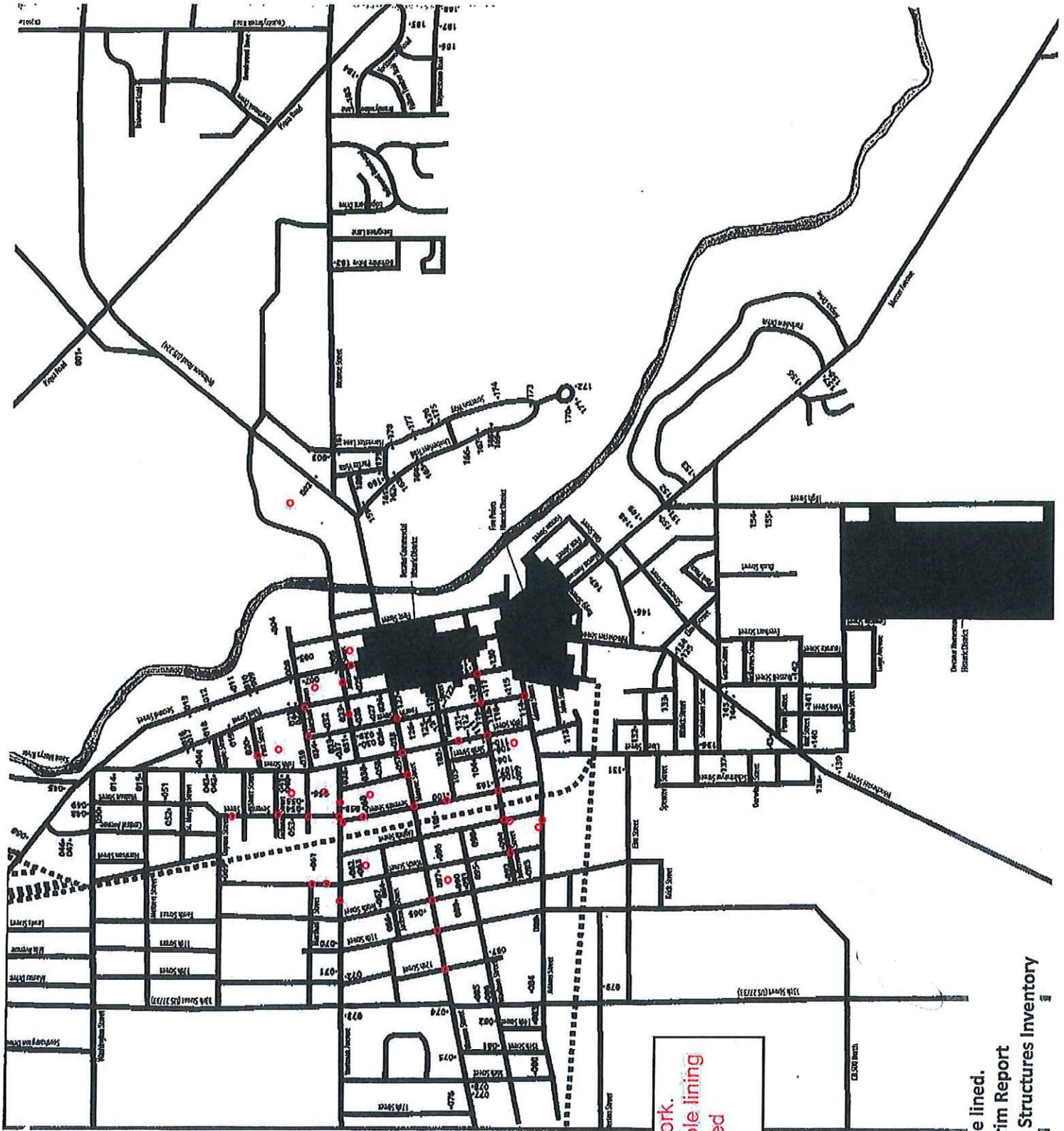
FIGURE 2: Storm Sewer Separation: 1st & Monroe St. parking lot.
From Adams County Interim Report
Indiana Historic Sites and Structures Inventory

**City of
Decatur
Scattered
Sites
24001 - 24188**



Storm sewer improvements and sidewalk replacement to accommodate the installation of a separate storm sewer from the intersection of 1st and Jackson St. It was not known during the LTCP project that the inlets were connected to the combined sewer. All work will be contained to the right of way and will not adversely affect site 006.

FIGURE 3: Storm Sewer Separation: 1st & Jackson Sts.
From Adams County Interim Report
Indiana Historic Sites and Structures Inventory



**City of
Decatur
Scattered
Sites
24001 - 24188**

Manhole lining work.
Additional manhole lining
shown on attached
graphics

See expanded
map

FIGURE 4: Manholes to be lined.
From Adams County Interim Report
Indiana Historic Sites and Structures Inventory

Manhole Lining Work

Decatur Commercial Historic District 21001 - 21091

Manhole lining work.
Additional manhole lining
shown on attached
graphics

WASHINGTON TOWNSHIP

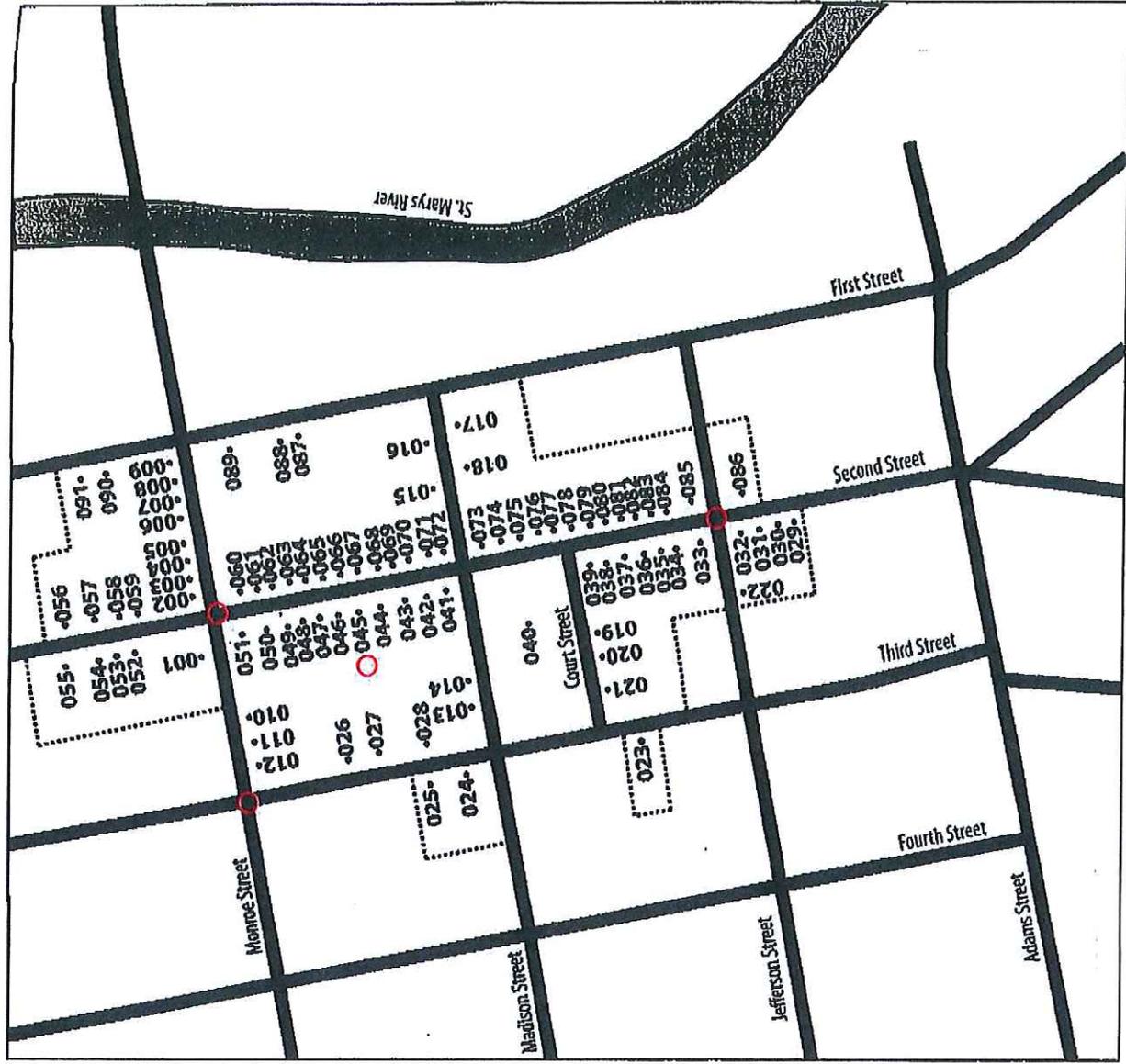


FIGURE 5: Manholes to be lined in the Decatur HD
From Adams County Interim Report
Indiana Historic Sites and Structures Inventory

Five Points Historic District 22001 - 22083

Manhole lining work.
Additional manhole lining
shown on attached
graphics

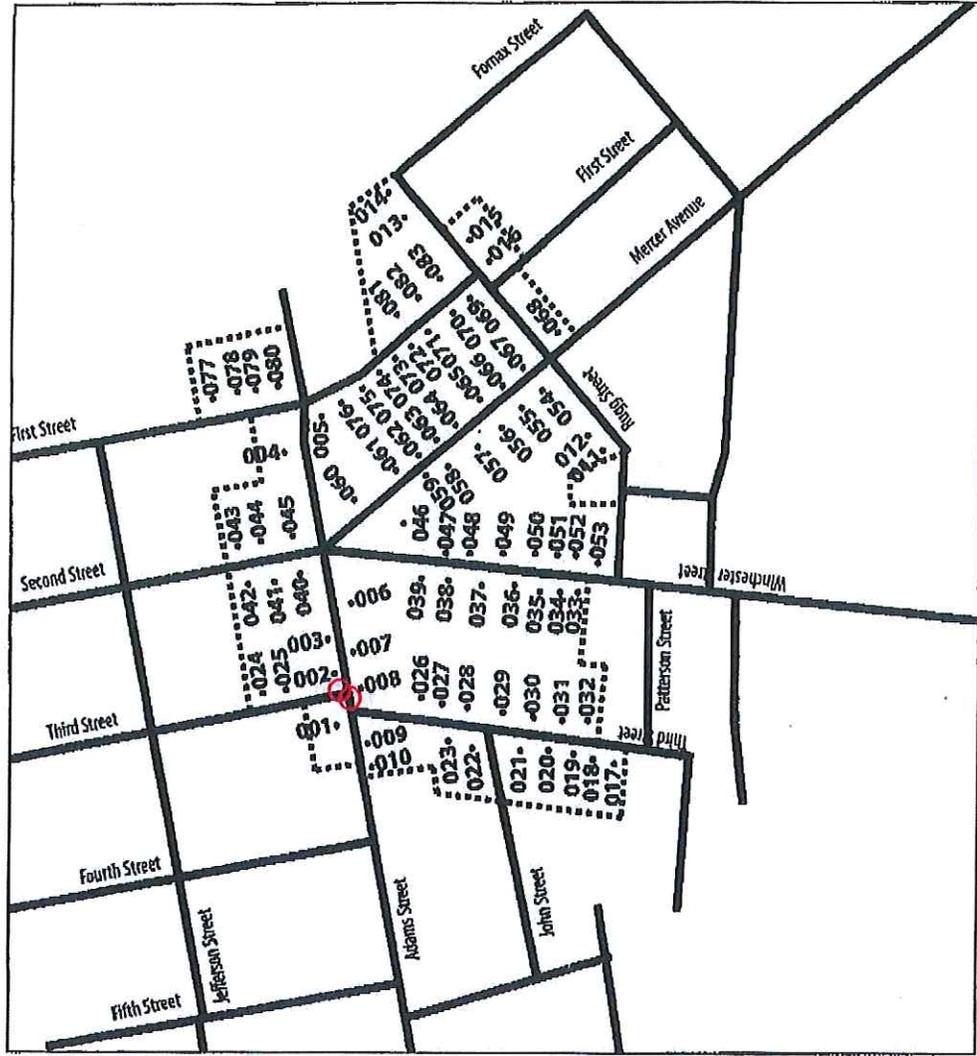
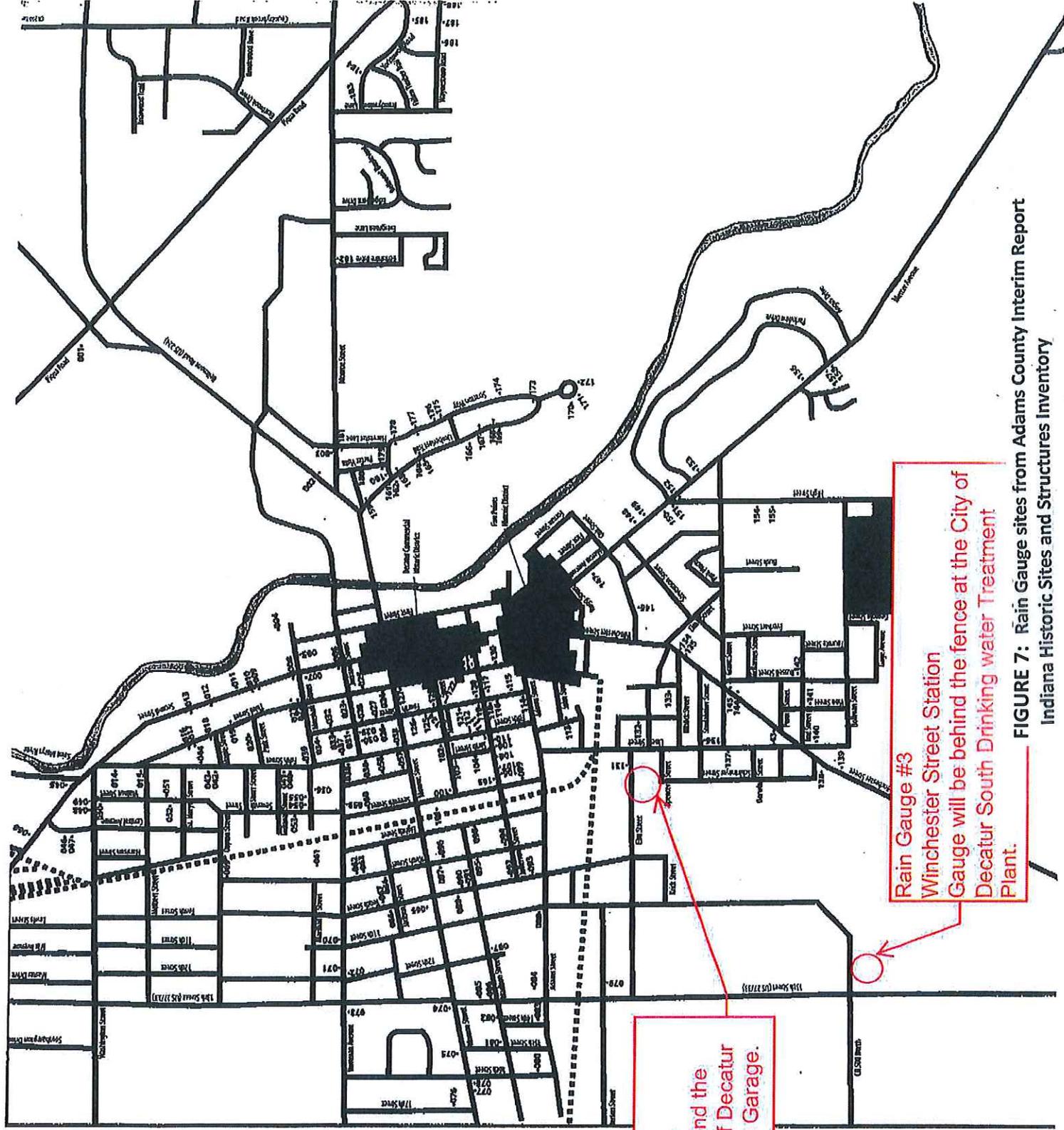


FIGURE 6: Manholes to be lined in the Five Points HD
From Adams County Interim Report
Indiana Historic Sites and Structures Inventory

**City of
Decatur
Scattered
Sites
24001 - 24188**



**Rain Gauge #2
Elm Street Station
Gauge will be behind the
fence at the City of Decatur
Street Department Garage.**

**Rain Gauge #3
Winchester Street Station
Gauge will be behind the fence at the City of
Decatur South Drinking Water Treatment
Plant.**

**FIGURE 7: Rain Gauge sites from Adams County Interim Report
Indiana Historic Sites and Structures Inventory**



**Decatur
Commercial
Historic District
21001 - 21091**

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INDIANA FINANCE AUTHORITY
ENVIRONMENTAL PROGRAMS

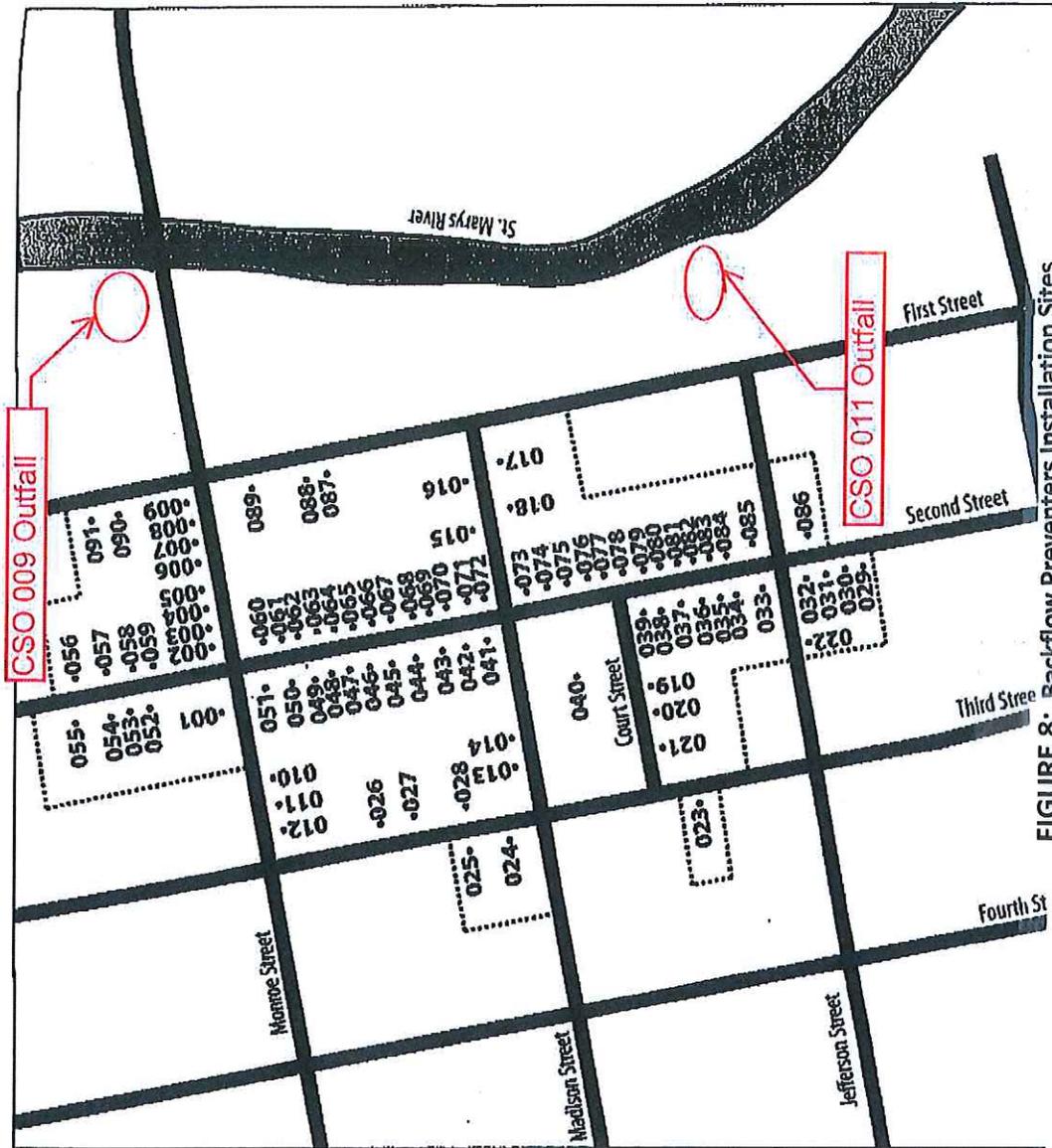


FIGURE 8: Backflow Preventers Installation Sites
From Adams County Interim Report
Indiana Historic Sites and Structures Inventory