



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

### **PRELIMINARY DECISION OF CATEGORICAL EXCLUSION**

TO ALL INTERESTED CITIZENS, ORGANIZATIONS AND GOVERNMENT AGENCIES:

**INDIANA AMERICAN WATER  
Shelbyville Water Main Replacement Projects  
SRF # DW 13 10 73 01**

**Date: October 11, 2013**

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in the Indiana American Water's Preliminary Engineering Report 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:

April Douglas, Senior Environmental Manager  
SRF Programs  
317-234-7294; adouglas at ifa.in.gov

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## CATEGORICAL EXCLUSION

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### I. PROJECT IDENTIFICATION

Project Name and Address: **Water Main Replacement Projects**  
Indiana-American Water (INAWC) – Shelbyville  
555 East County Line Road, Suite 201  
Greenwood, IN 46143

SRF Project Number: DW 13 10 73 01

Authorized Representative: Stacy Hoffman  
Director of Engineering

### II. PROJECT LOCATION

The following open cut water main replacement projects are located in **Shelbyville**, Shelby County in Addison Township in Shelbyville Quadrangle; see Figure 1:

**SHL-1 7<sup>th</sup> Street**: The proposed project is located along Seventh Street from Miller Street to Shelby Street. The project area is located in T12N, R7E, Section 7;

**SHL -2 Revello Avenue**: The proposed project is located along Revello Avenue from Alpine Street to 4<sup>th</sup> Street. The project area is located in T12N, R7E, Section 6;

**SHL -3 Pennsylvania Street**: The proposed project is located along Pennsylvania Street from West Street to Miller Street. The project area is located in T13N, R7E, Section 31;

**SHL -4 LaBelle Street**: The proposed project is located along LaBelle Street from Mary Street to Glenn Street. The project area is located in T13N, R7E, Section 32;

**SHL -5 State Road 9**: The proposed project is located along State Road 9 (South Riley) from McKay Street to Noble Street. The project area is located in T12N, R7E, Section 8;

**SHL -6 Webster Street**: The proposed project is located along Webster Street from Montgomery Street to Miller Street to Locust. The project area is located in T12N, R7E, Section 6;

**SHL -7 Shelby Street**: The proposed project is located along Shelby Street from Fourth Street to Fifth Street. The project area is located in T12N, R7E, Section 6;

**SHL -8 Gordon Street**: The proposed project is located along Gordon Street from Harrison Street to Noble Street. The project area is located in T12N, R7E, Section 5.

### III. PROJECT NEED AND PURPOSE

The proposed projects include obsolete water main replacement in four areas in Kokomo. Corrosion and material strength deterioration in the cast iron pipe have resulted in numerous breaks and leaks in recent years. Customers have reported service disruptions and low water pressures. Replacement of these leaking and failing pipes will reduce system water loss.

The No Action alternative was rejected for these projects because it would result in continued water service disruptions, low pressures, property damage from leaks and breaks, and resident complaints.

**SHL-1 7<sup>th</sup> Street:** The 2-inch cast iron water main has been in service since the 1940s. The selected alternative involves the replacement of the 2-inch cast iron water main along Seventh Street from Miller Street to Shelby Street with approximately 650 feet of 8-inch ductile iron water main; see Figures 2 and 3.

**SHL -2 Revello Avenue:** The 2-inch galvanized water mains have been in service since the 1940s. The selected alternative involves the replacement of the 2-inch galvanized water mains along Revello Avenue from Alpine Street to 4<sup>th</sup> Street with approximately 900 feet of 6-inch ductile iron water main; see Figures 2 and 4.

**SHL -3 Pennsylvania Street:** The 2-inch galvanized water main has been in service since the 1930s. The selected alternative involves the replacement of the 2-inch galvanized water main along Pennsylvania Street from West Street to Miller Street with approximately 830 feet of 8-inch ductile iron water main; see Figures 8, 9 and 10.

**SHL -4 LaBelle Street:** The 2-inch galvanized water main has been in service since the 1940s. The selected alternative involves the replacement of the 2-inch cast iron water main along LaBelle Street from Mary Street to Glenn Street with approximately 830 feet of 6-inch ductile iron water main; see Figures 11 and 12.

**SHL -5 State Road 9:** The 6-inch cast iron water main has been in service since the 1940s. The selected alternative involves the replacement of the 6-inch cast iron water main along State Road 9 (South Riley) from McKay Street to Noble Street with approximately 2,400 feet of 8-inch ductile iron water main; see Figures 2 and 5.

**SHL -6 Webster Street:** The 2-inch and 4-inch galvanized water main has been in service since the 1940s. The selected alternative involves the replacement of the 2-inch and 4-inch galvanized water main along Webster Street from Montgomery Street to Miller Street to Locust Street with approximately 400 feet of 6-inch ductile iron water main; see Figures 13 and 14.

**SHL -7 Shelby Street:** The 2-inch galvanized water main has been in service since the 1940s. The selected alternative involves the replacement of the 2-inch galvanized water main along Shelby Street from Fourth Street to Fifth Street with approximately 490 feet of 6-inch ductile iron water main; see Figures 2 and 6.

**SHL -8 Gordon Street:** The 2-inch galvanized water main has been in service since the 1940s. The selected alternative involves the replacement of the 2-inch galvanized water main along Gordon Street from Harrison Street to Noble Street with approximately 540 feet of 6-inch ductile iron water main; see figures 2 and 7.

#### IV. ESTIMATED PROJECT COST AND FUNDING

##### A. Selected Plan Estimated Cost Summary

###### **SHL-1 7th Street:**

###### **Construction Costs**

Construction Sub-Total	\$ 172,200
Contingencies (10%)	<u>17,300</u>

**Construction Total** \$ 189,500

###### **Non-Construction Costs**

Survey	\$ 2,100
INAWC Furnished Materials	9,800
Project Inspection	<u>2,000</u>

**Non-Construction Total** \$ 13,900

**Project Costs \$ 203,400**

###### **SHL -2 Revello Avenue:**

###### **Construction Costs**

Construction Sub-Total	\$ 258,800
Contingencies (10%)	<u>25,900</u>

**Construction Total** \$ 284,700

###### **Non-Construction Costs**

Survey	\$ 2,000
INAWC Furnished Materials	14,400
Project Inspection	<u>2,700</u>

**Non-Construction Total** \$ 19,100

**Project Costs \$ 303,800**

###### **SHL -3 Pennsylvania Street:**

###### **Construction Costs**

Construction Sub-Total	\$ 232,600
Contingencies (10%)	<u>23,300</u>

**Construction Total** \$ 255,900

###### **Non-Construction Costs**

Survey	\$ 2,800
INAWC Furnished Materials	13,700
Project Inspection	<u>2,500</u>

**Non-Construction Total** \$ 19,000

**Project Costs \$ 274,900**

**SHL -4 LaBelle Street:**

**Construction Costs**

Construction Sub-Total	\$ 254,100
Contingencies (10%)	<u>25,400</u>
<b>Construction Total</b>	<b>\$ 279,500</b>

**Non-Construction Costs**

Survey	\$ 2,800
INAWC Furnished Materials	12,300
Project Inspection	<u>2,500</u>
<b>Non-Construction Total</b>	<b>\$ 17,600</b>

**Project Costs \$ 297,100**

**SHL -5 State Road 9:**

**Construction Costs**

Construction Sub-Total	\$ 527,100
Contingencies (10%)	<u>52,700</u>
<b>Construction Total</b>	<b>\$ 579,800</b>

**Non-Construction Costs**

Survey	\$ 8,700
INAWC Furnished Materials	37,100
Project Inspection	7,200
Permits	<u>200</u>
<b>Non-Construction Total</b>	<b>\$ 53,200</b>

**Project Costs \$ 633,000**

**SHL -6 Webster Street:**

**Construction Costs**

Construction Sub-Total	\$ 155,600
Contingencies (10%)	<u>15,600</u>
<b>Construction Total</b>	<b>\$ 171,200</b>

**Non-Construction Costs**

Survey	\$ 2,100
INAWC Furnished Materials	6,600
Project Inspection	<u>1,200</u>
<b>Non-Construction Total</b>	<b>\$ 9,900</b>

**Project Costs \$ 181,100**

**SHL -7 Shelby Street:**

**Construction Costs**

Construction Sub-Total	\$ 143,000
Contingencies (10%)	<u>14,300</u>
<b>Construction Total</b>	<b>\$ 157,300</b>

**Non-Construction Costs**

Survey	\$ 1,300
INAWC Furnished Materials	6,900
Project Inspection	<u>1,500</u>
<b>Non-Construction Total</b>	<b>\$ 9,700</b>

**Project Costs \$ 167,000**

**SHL -8 Gordon Street:**

**Construction Costs**

Construction Sub-Total	\$ 170,600
Contingencies (10%)	<u>17,100</u>
<b>Construction Total</b>	<b>\$ 187,700</b>

**Non-Construction Costs**

Survey	\$ 1,800
INAWC Furnished Materials	9,300
Project Inspection	<u>1,600</u>
<b>Non-Construction Total</b>	<b>\$ 12,700</b>

**Project Costs \$ 200,400**

**Total Estimated Projects Cost \$2,261,200**

- B.** Indiana American Water will finance the project with a 20-year loan of approximately \$2,261,200 from the State Revolving Fund (SRF) Loan Program at an interest rate to be determined at the time of closing. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

**V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES**

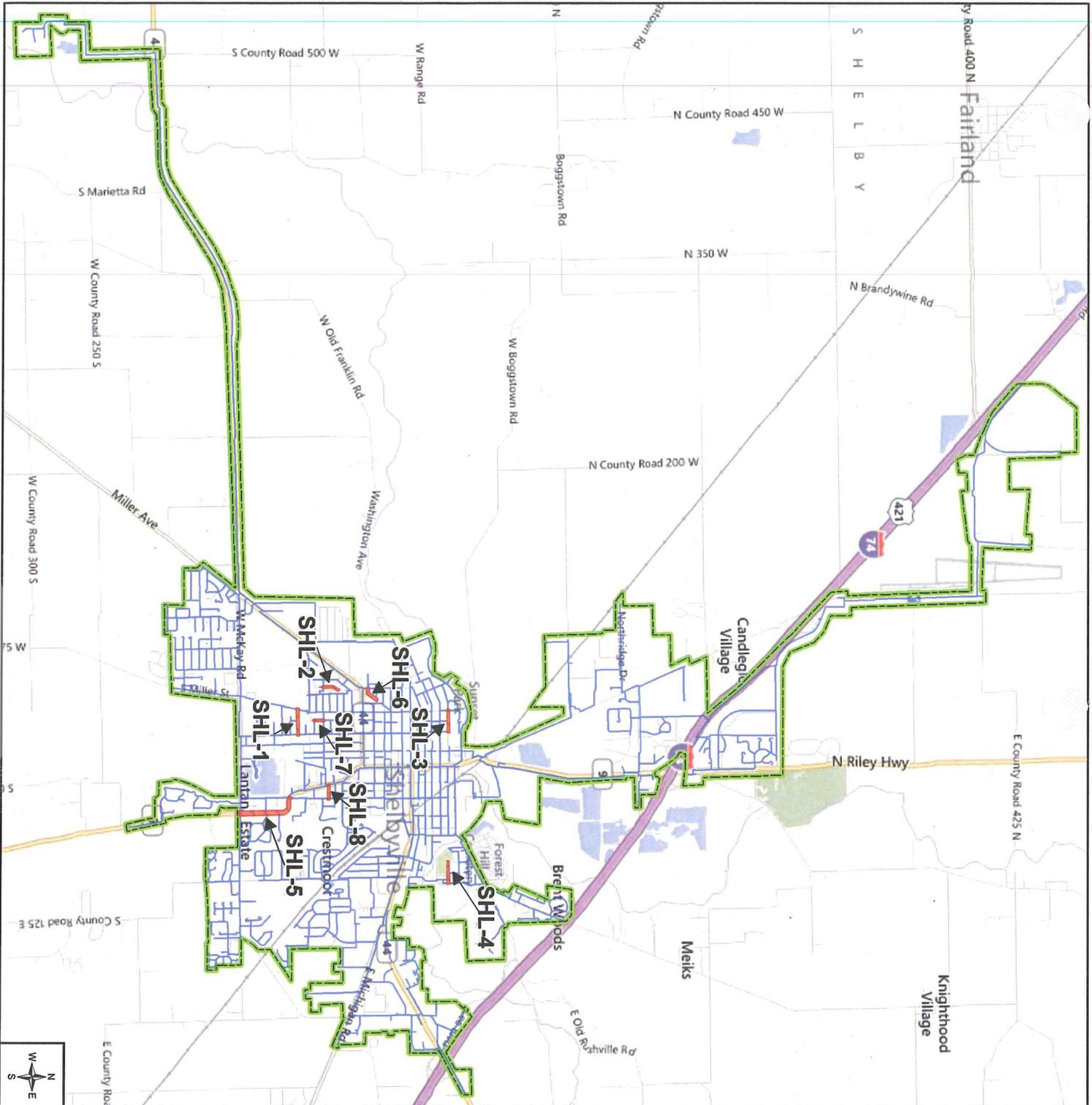
The proposed water main replacement project will occur within the rights-of-way beneath or immediately adjacent to roads that have been previously disturbed. The construction width should be between five feet and twenty feet depending on the location. The project will not affect wetlands, wooded areas, surface waters, 100-year floodplain or prime farmland.

Construction and operation of the project will not alter, demolish, or remove historic properties. If

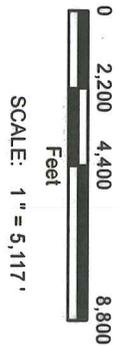
any visual or audible impacts to historic properties occur, they will be temporary and will not alter the characteristics that qualify such properties for inclusion in or eligibility for the National Register of Historic Places. The SRF's finding pursuant to the Section 106 of the National Historic Preservation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

## **VI. PUBLIC PARTICIPATION**

Indiana American Water held a public hearing on October 2, 2013 at Indiana American Water's Shelbyville office describing the proposed upgrades to Shelbyville's drinking water system. The city did not receive comments on the project.



**Legend**  
 Project Location  
 Service Area



**Shelbyville, Indiana  
 Service Area**



**INDIANA  
 AMERICAN WATER**

**Shelbyville District**

**Figure 1**

# Shelbyville Scattered Sites (45163-203)

SHL-125728

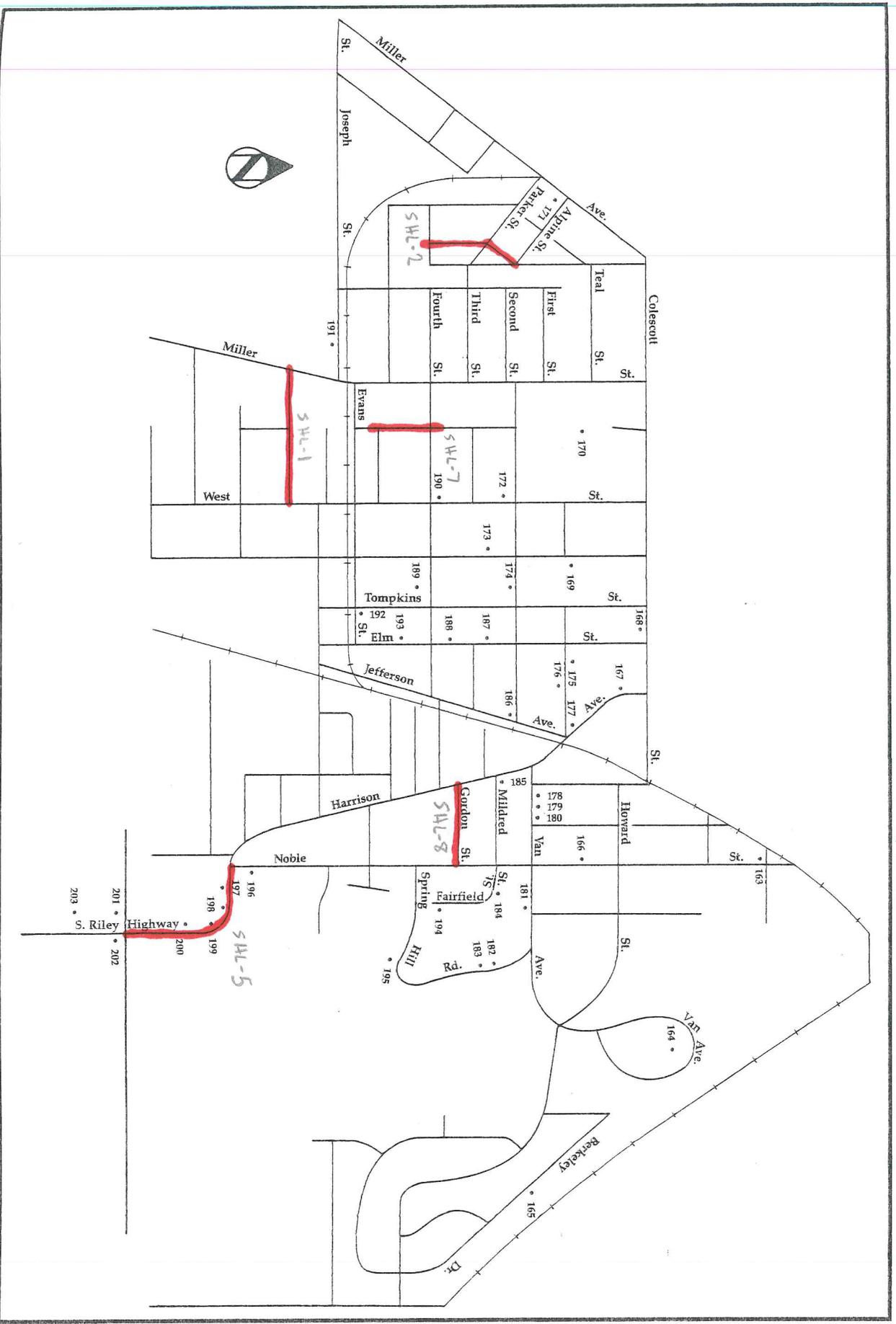


Figure 2



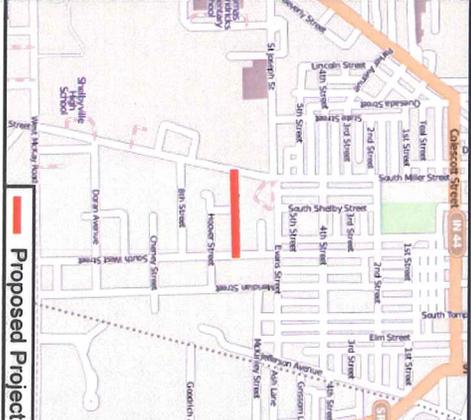
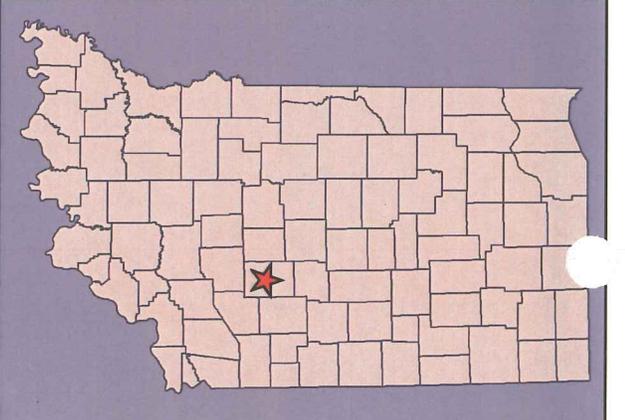
**Project Location** + Hydrant + Street Valve + Service Laterals + Hydrant Laterals + Main

**Project Description:**

Install 650 feet of 8" ductile iron water main to replace 2" cast iron main.  
Main will be installed under sidewalk.



SCALE: 1" = 275'



**System Map**

SHL-1

7th Street

Shelbyville, Indiana

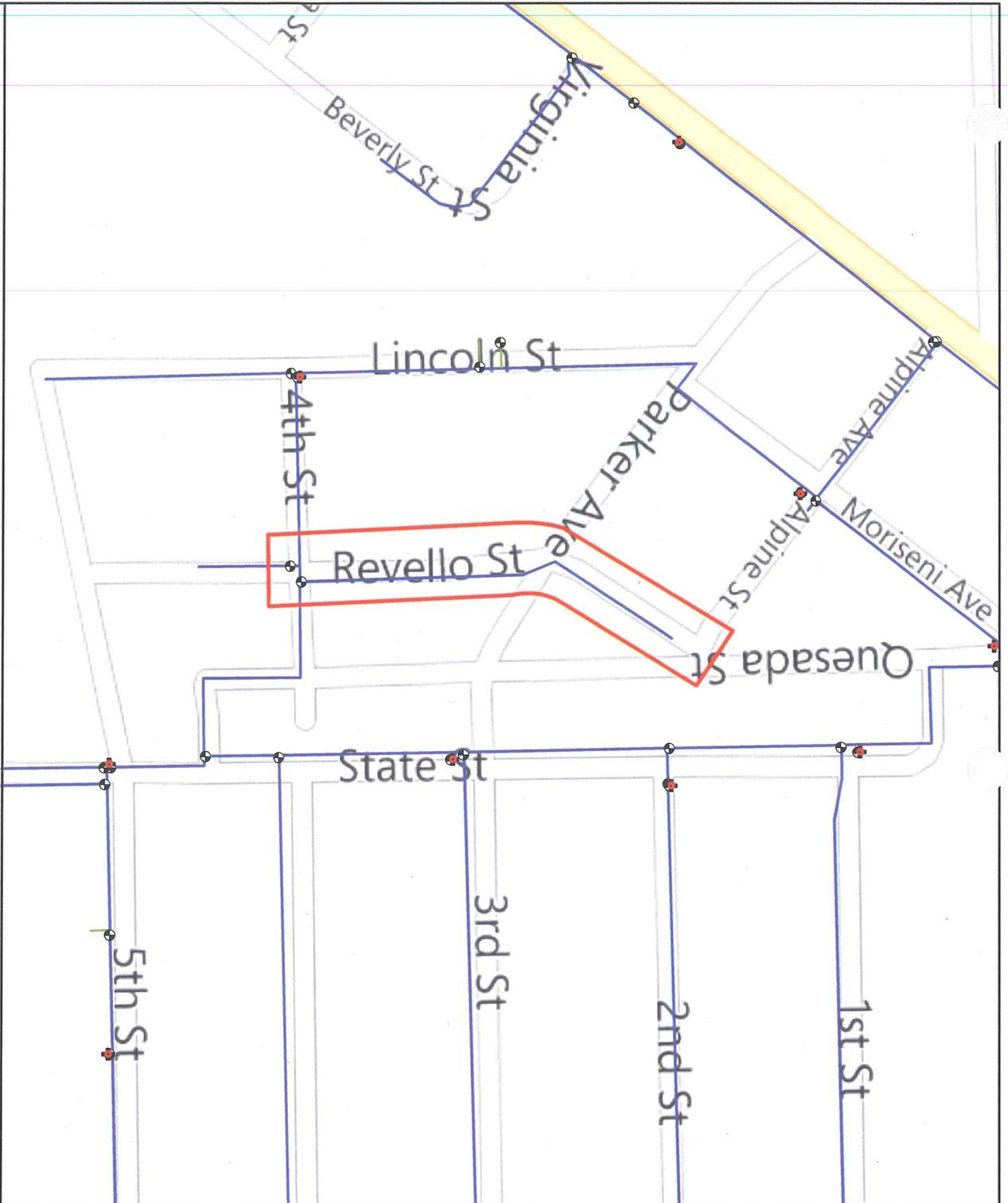


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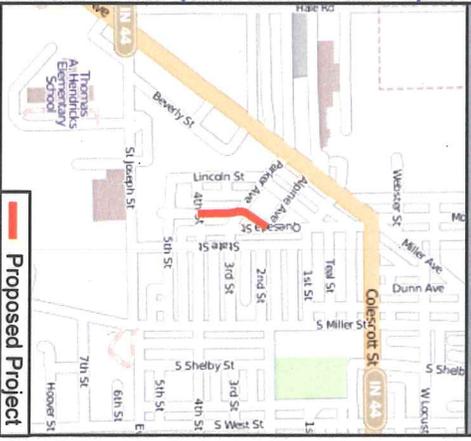
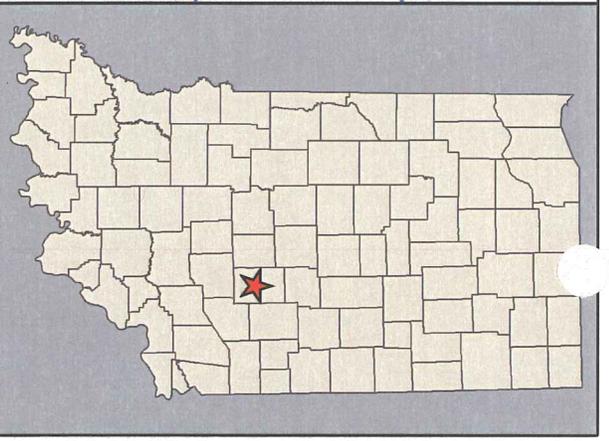
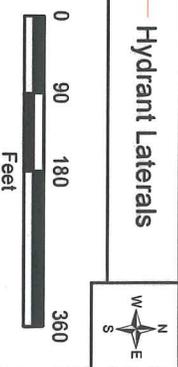
Figure 3



Project Location
 — Main
⊙ Street Valve
⊕ Hydrant
— Service Laterals
— Hydrant Laterals

**Project Description:**

Install 900 feet of 6" ductile iron water main to replace 2" galvanized main.  
 Main will be installed under the existing road.



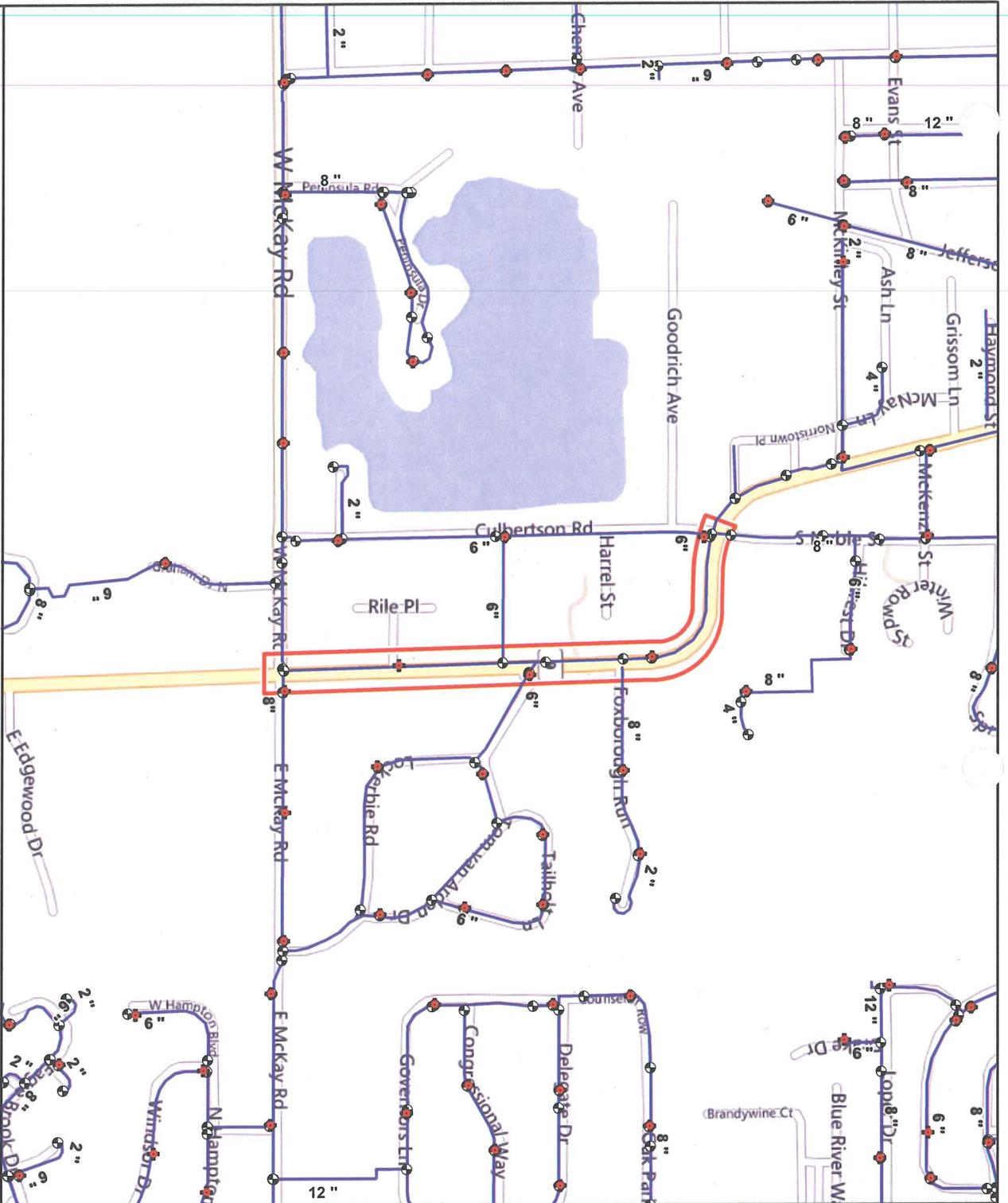
**System Map**  
**SHL-2**  
**Revello Avenue**  
**Shelbyville, Indiana**



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**Shelbyville District**

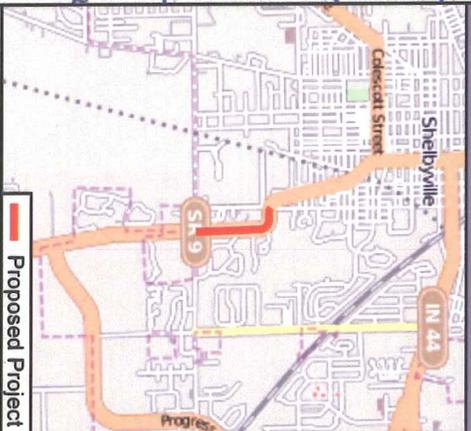
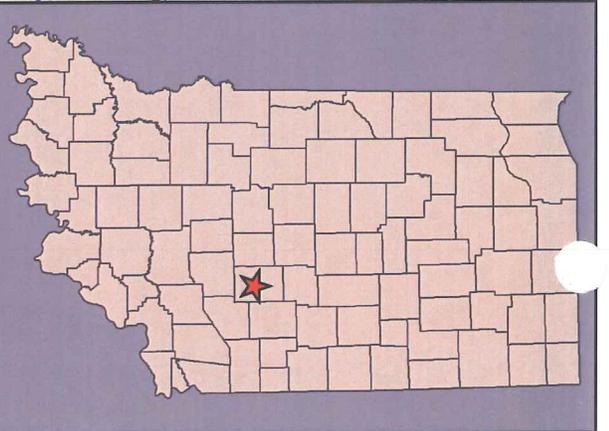
Figure 4



Project Location  
 + Hydrant  
 o Street Valve  
  Service Laterals  
  Hydrant Laterals  
  Main

**Project Description:**

Install 2,400 feet of 8" ductile iron water main to replace 6" cast iron main.  
 Main will be installed in landscaped area of Right-of-Way.



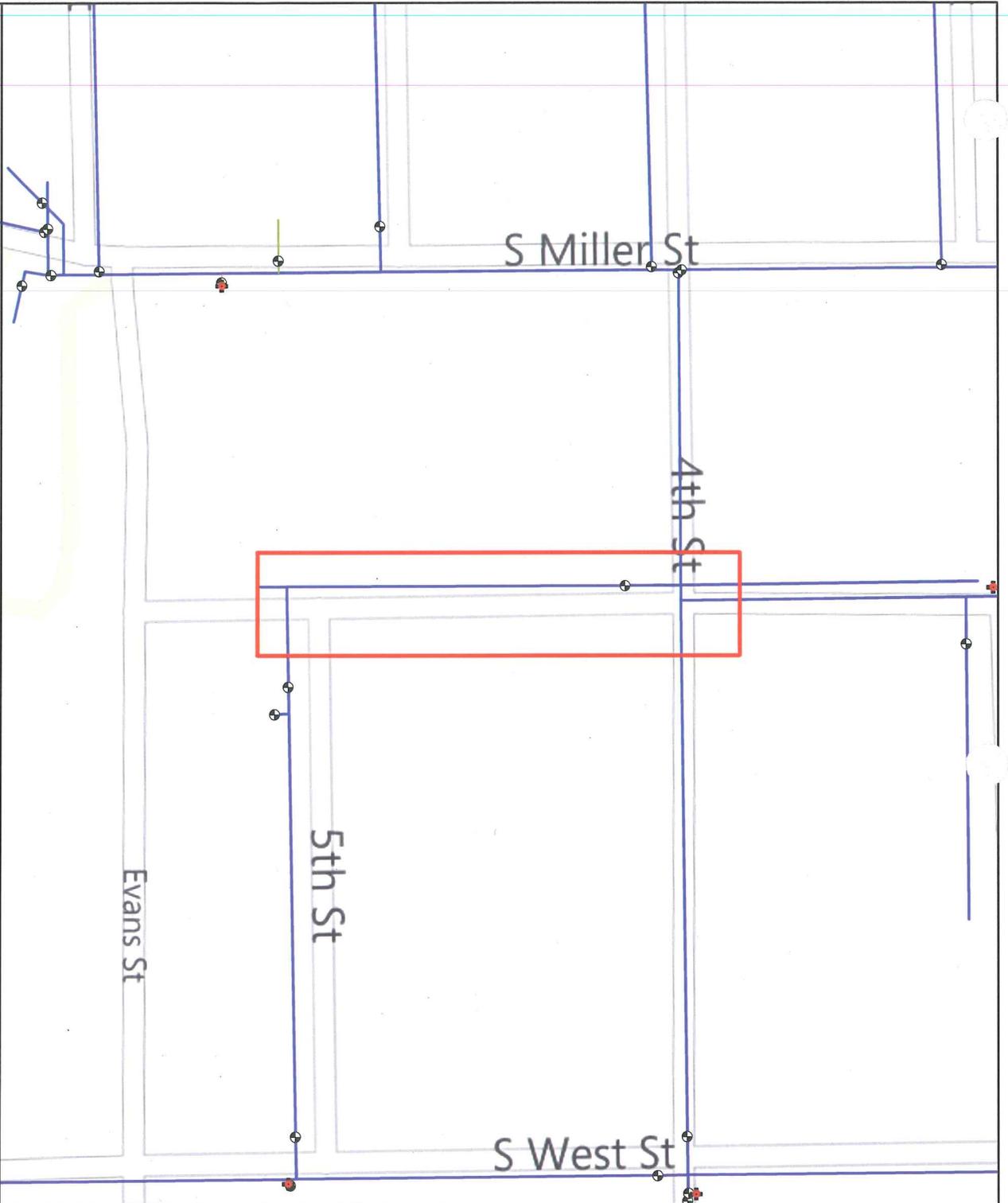
**System Map**  
 SHL-5  
 State Road 9  
 Shelbyville, Indiana



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**Shelbyville District**  
 Revised June 28, 2013

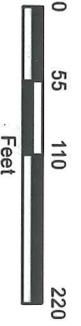
Figure 5



Project Location
 — Main
⊕ Street Valve
+ Hydrant
— Service Laterals
— Hydrant Laterals

**Project Description:**

Install 490 feet of 6" ductile iron water main to replace 2" galvanized main.  
Main will be installed under sidewalk.



SCALE: 1" = 133'



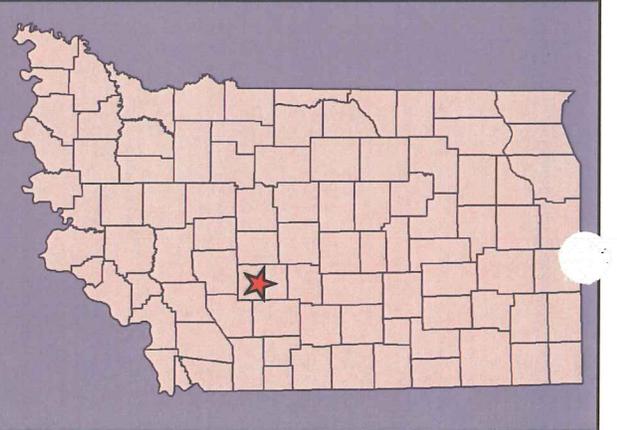
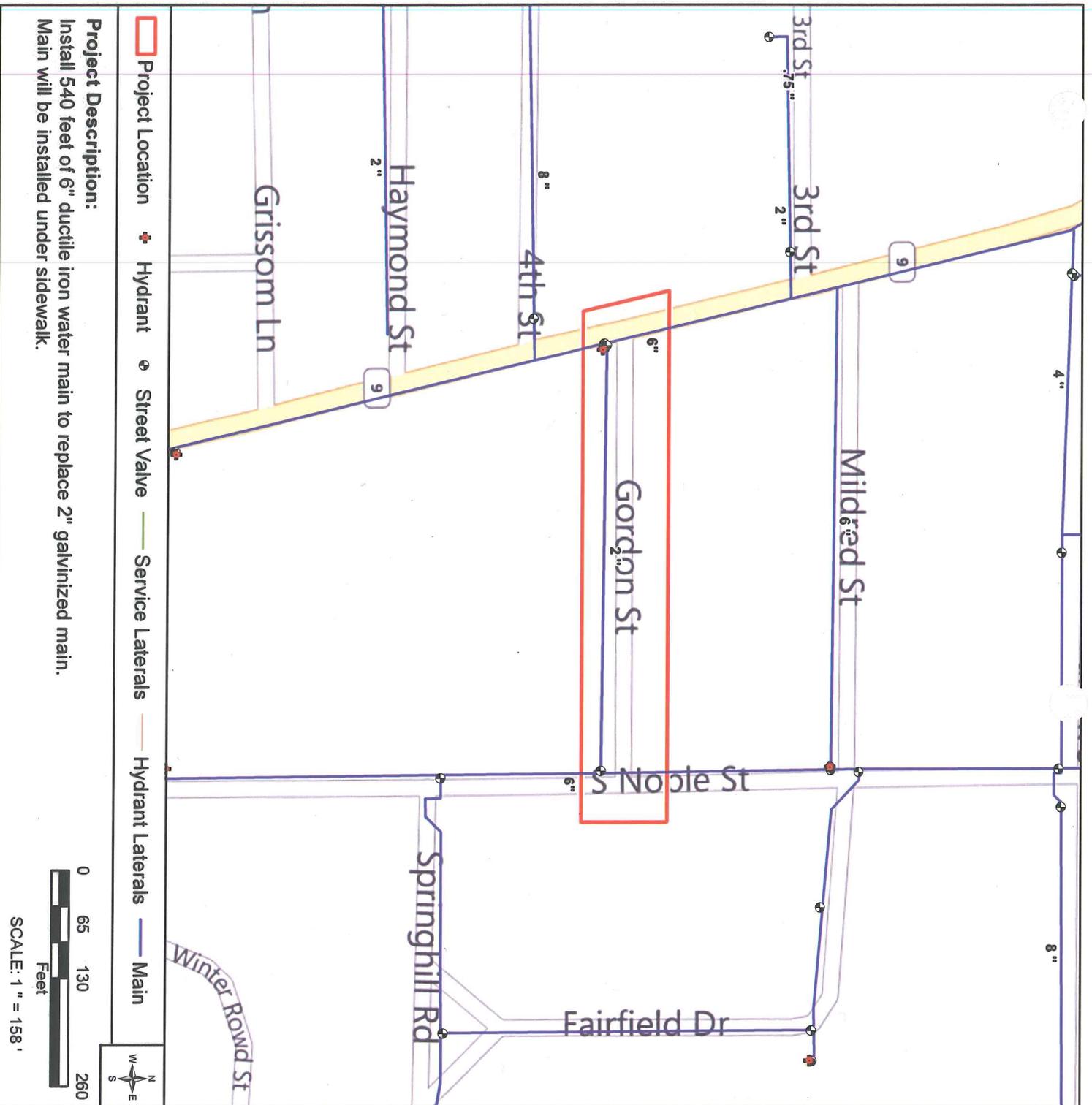
**System Map**  
**SHL-7**  
**Shelby Street**  
**Shelbyville, Indiana**



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**AMERICAN WATER**

**Shelbyville District**

Figure 6



**System Map**  
SHL-8  
Gordon Street  
Shelbyville, Indiana



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Shelbyville District  
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Figure 7

# West Side Historic District (145-585-42001-435)

SHL-3



Figure 8

# Shelbyville Scattered Sites (45024-059)

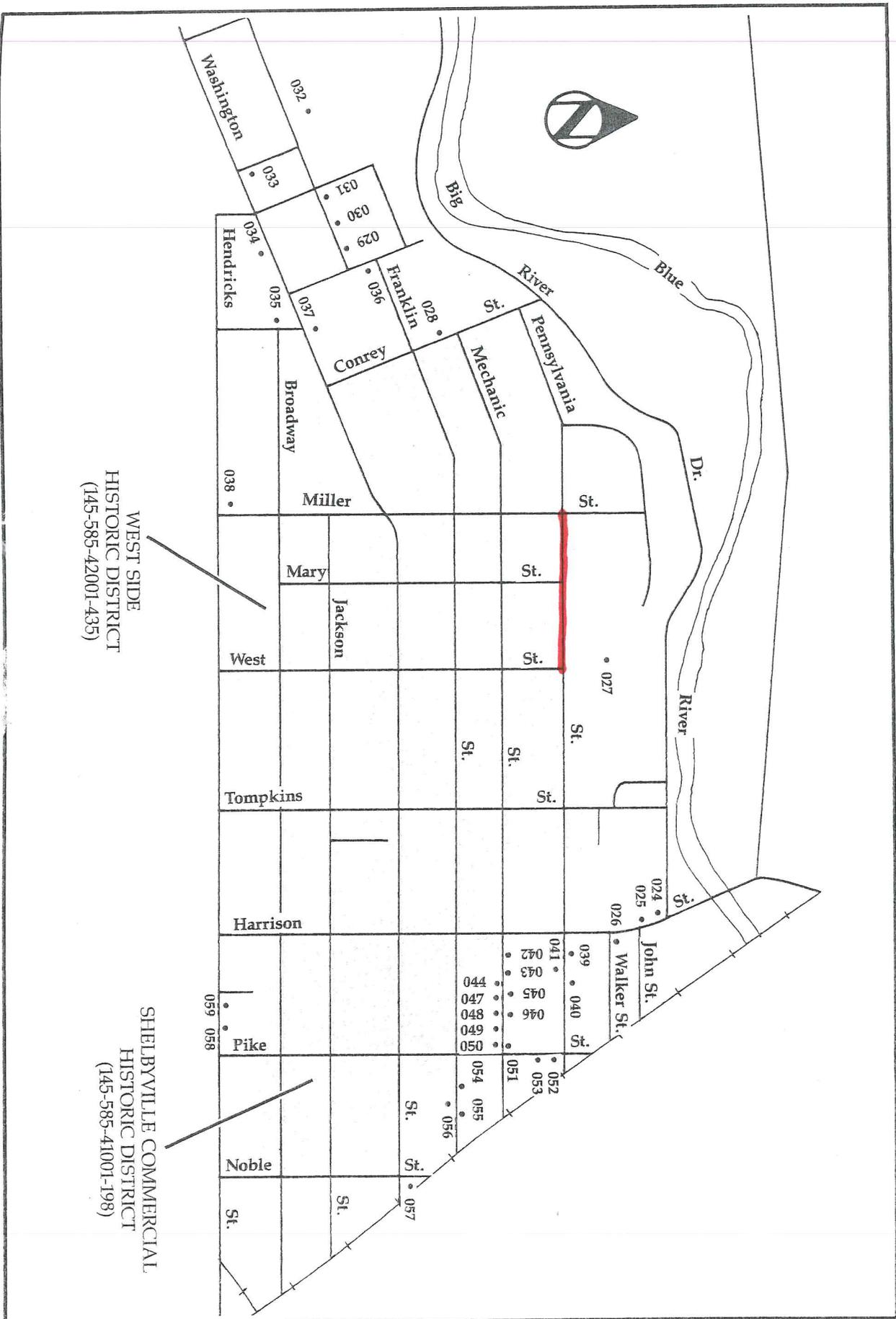
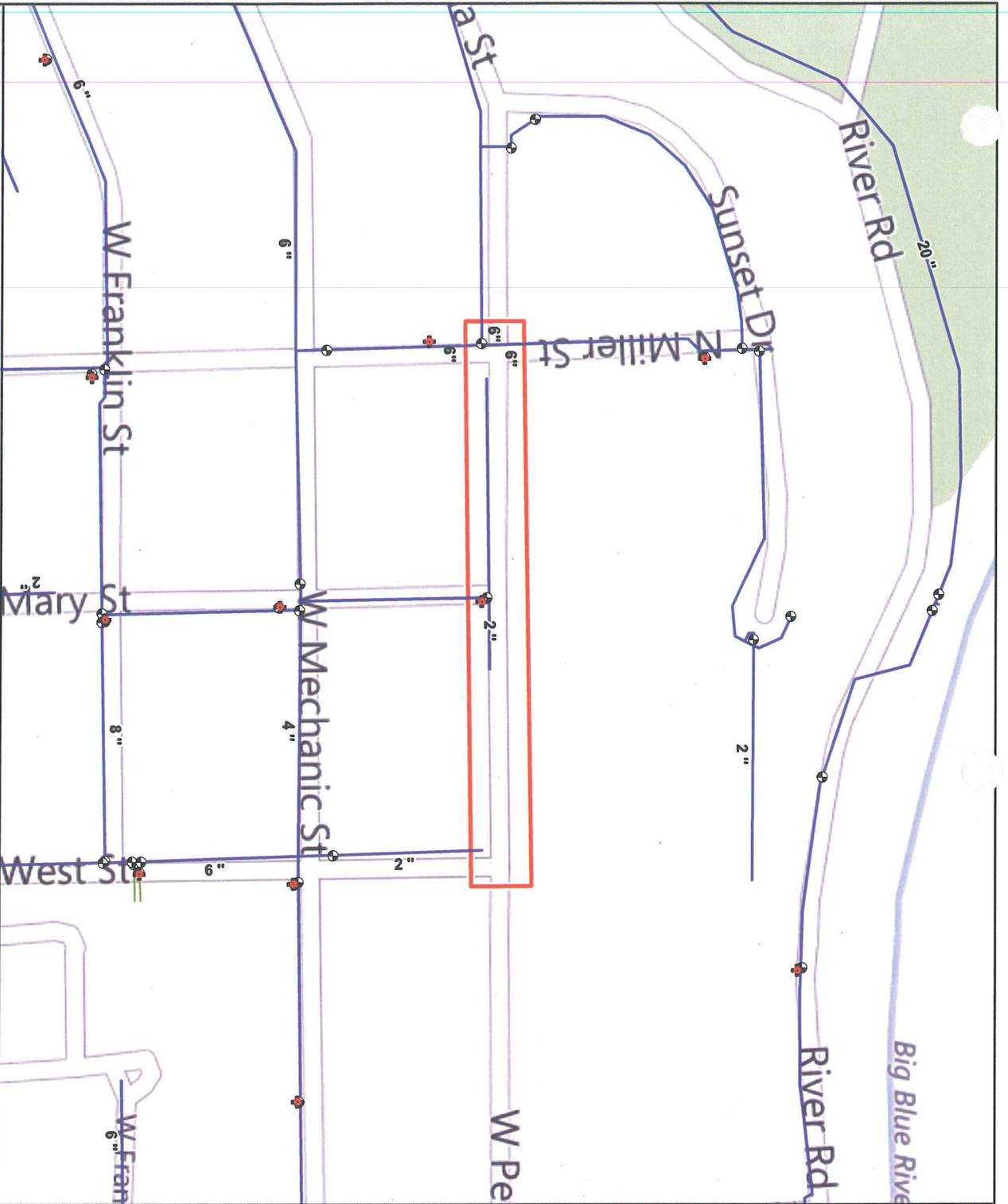


Figure 9

S 4-L-3



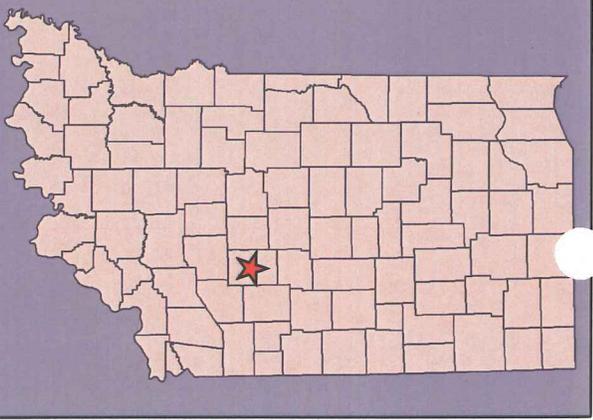
Project Location
 + Hydrant
 o Street Valve
 — Service Laterals
 — Hydrant Laterals
 — Main

**Project Description:**

Install 830 feet of 8" ductile iron water main to replace 2" galvanized main.  
Main will be installed under sidewalk.



SCALE: 1" = 233'



**System Map**  
 SHL-3,  
 Pennsylvania Street  
 Shelbyville, Indiana



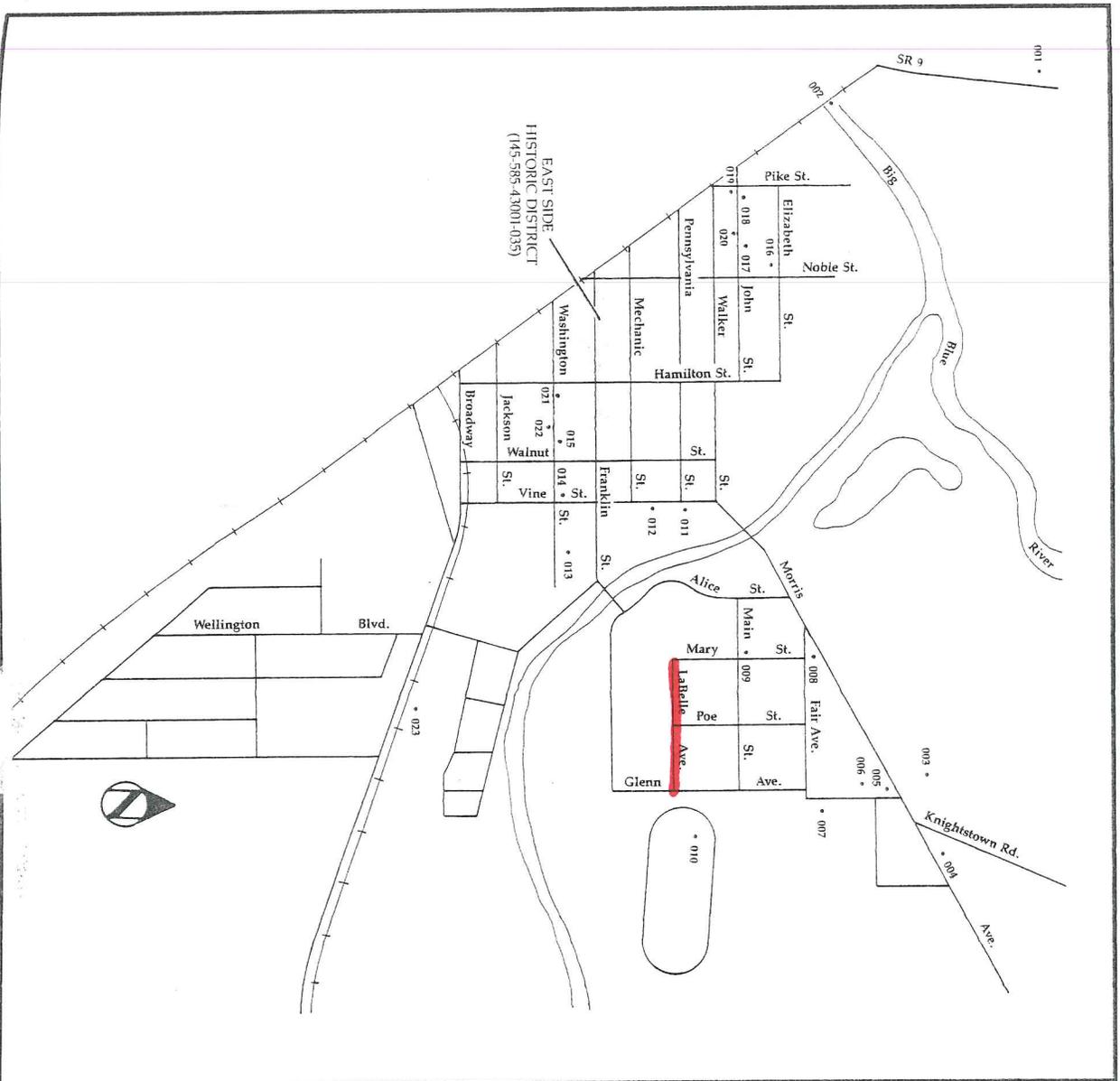
INDIANA  
 AMERICAN WATER

**Shelbyville District**  
 Revised June 28, 2013

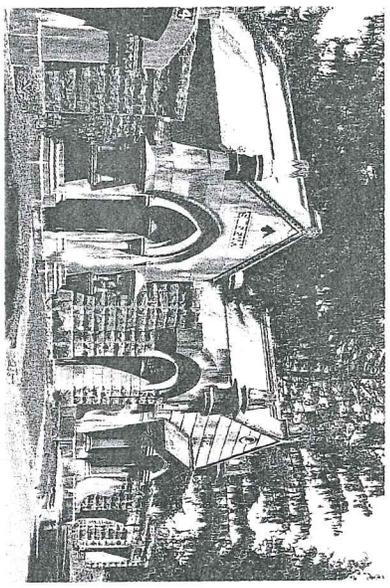
Figure 10

# Shelbyville Scattered Sites (45001-203)

54L-4



- | No. | Rtg. | Description                                                                                                                                  |
|-----|------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 001 | C    | House, SR 9; I-house, c.1870; Vernacular/Construction (585)                                                                                  |
| 002 | O    | Railroad Bridge, off Harrison Street, Warren through truss, c.1900; Engineering, Transportation (585)                                        |
| 003 | N    | Forest Hill Cemetery; Morris Avenue; Cemetery: 1830-present; Office: Craftsman, c.1915; Architecture, Exploration/Settlement, Religion (585) |



- |     |   |                                                                                                                     |
|-----|---|---------------------------------------------------------------------------------------------------------------------|
| 004 | N | Addison Township District No. 9 School, Morris Avenue; Vernacular, c.1900; Education, Vernacular/Construction (585) |
| 005 | C | House, 585 Morris Avenue; Double-pen, 1894; Vernacular/Construction (585)                                           |
| 006 | C | House, 537 Frank Street; English Cottage, c.1920; Architecture (585)                                                |
| 007 | C | House, 508 Frank Street; Bungalow, c.1920; Architecture (585)                                                       |

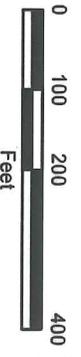
Figure 11



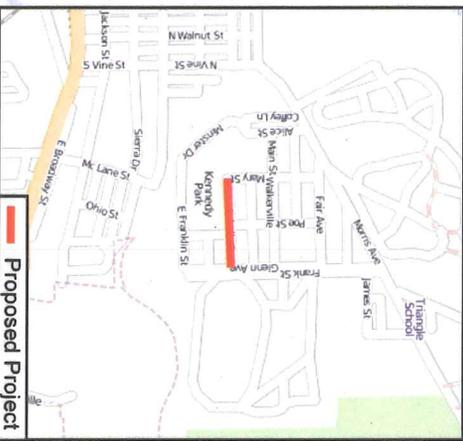
Project Location
 — Main
 ● Street Valve
 + Hydrant
 — Service Laterals
 — Hydrant Laterals

**Project Description:**

Install 830 feet of 6" ductile iron water main to replace 2" and 1" galvanized main.  
Main will be installed under existing road.



SCALE: 1" = 225'



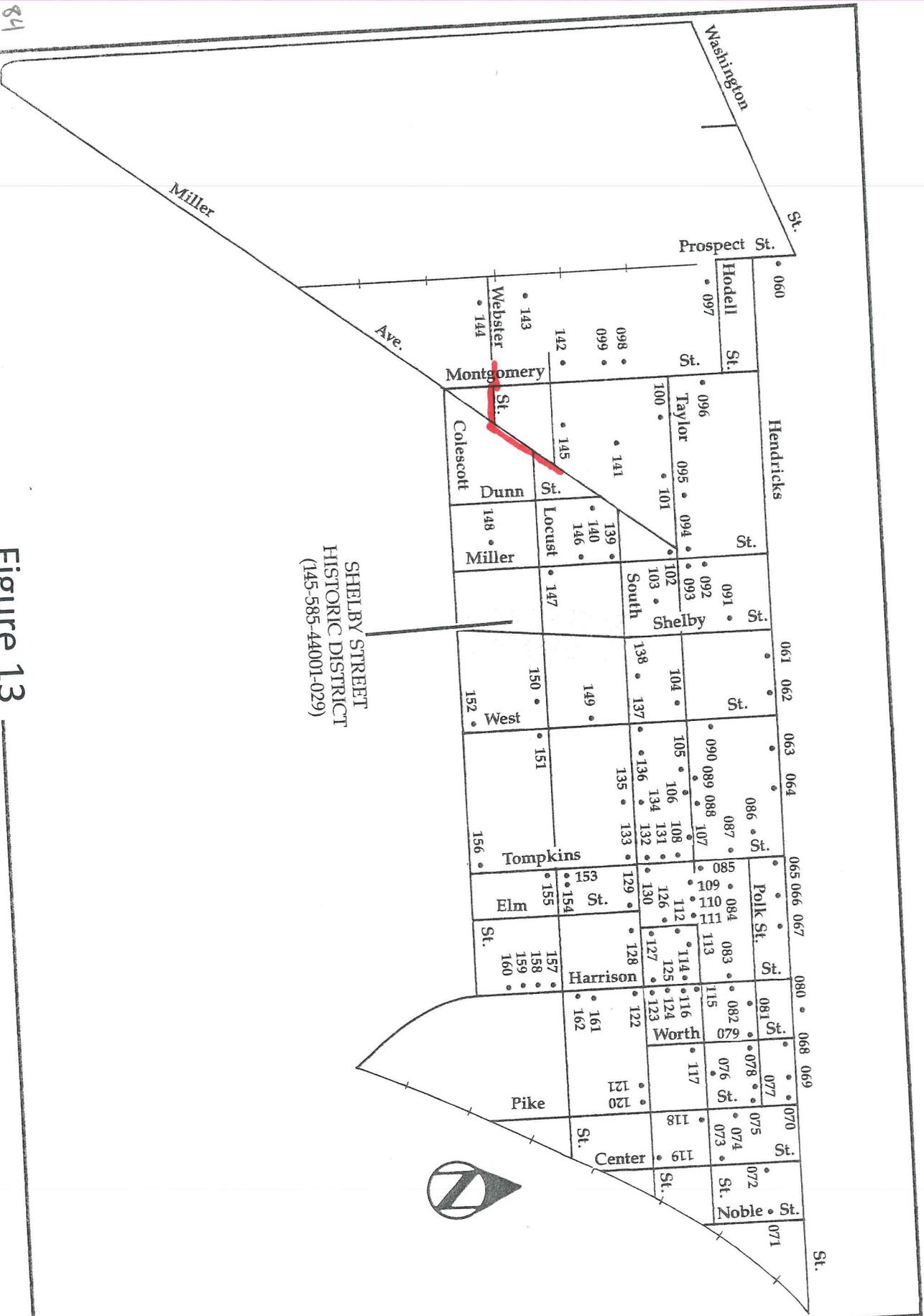
**System Map**  
**SHL-4**  
**Labelle Avenue**  
**Shelbyville, Indiana**



**INDIANA**  
**AMERICAN WATER**  
**Shelbyville District**

Figure 12

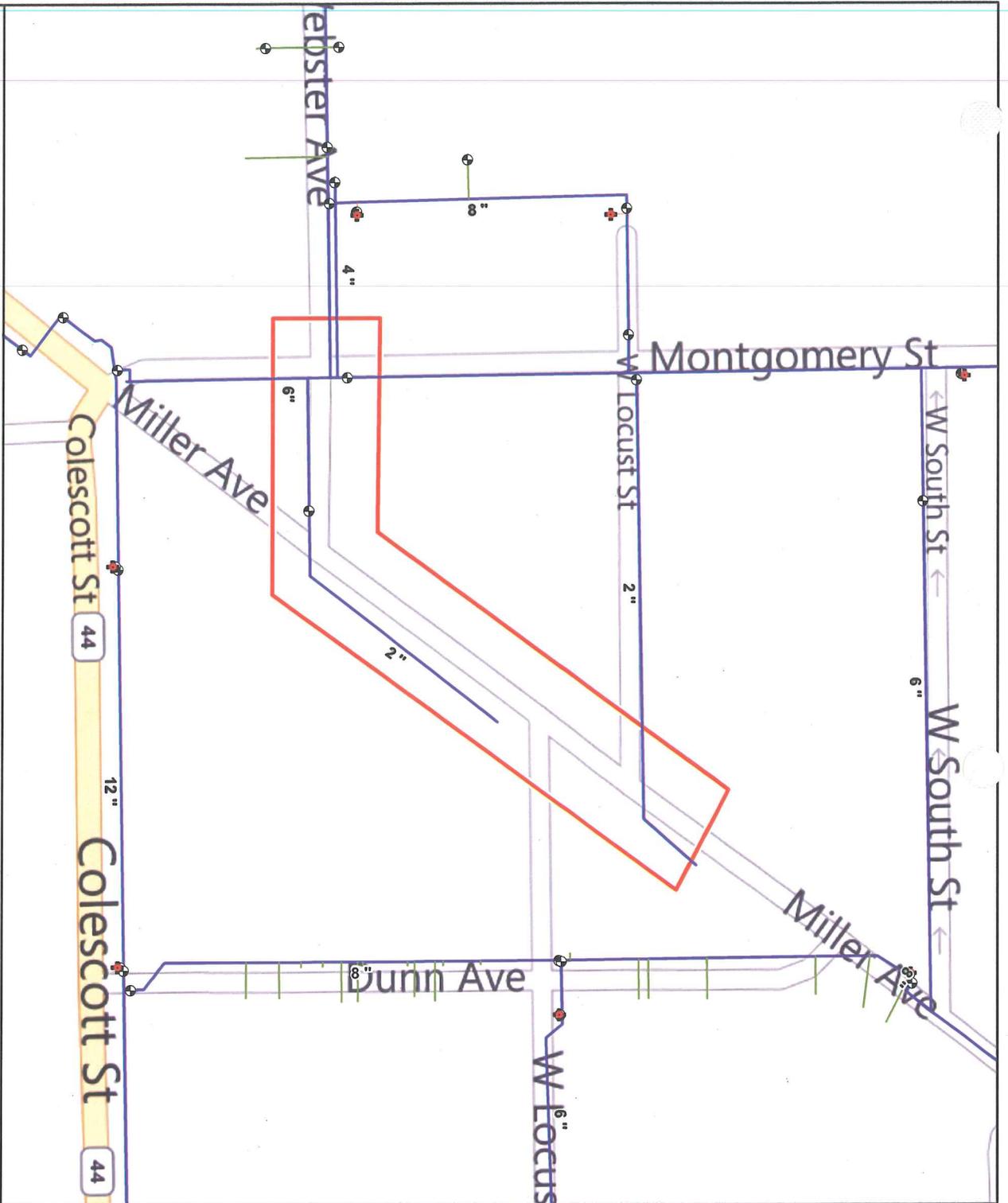
# Shelbyville Scattered Sites (45060-162)



SHELBY STREET  
HISTORIC DISTRICT  
(145-585-44001-029)

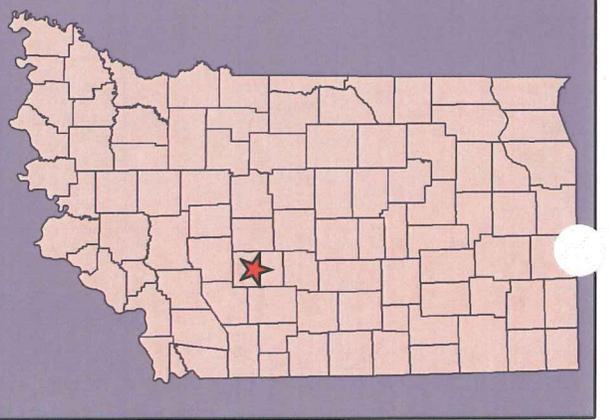
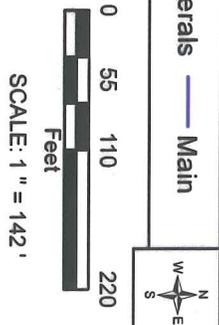
Figure 13

SHL-6



Project Location  
 + Hydrant  
 o Street Valve  
 — Service Laterals  
 — Hydrant Laterals  
 — Main

**Project Description:**  
 Install 400 feet of 6" ductile iron water main to replace 2" and 4" galvanized.  
 Main will be installed in existing road.



  
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Figure 14