



## **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**  
**Richmond Water Main Replacement Projects**  
**SRF # DW 13 09 89 02**

**Date: September 23, 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) – Richmond  
555 East County Line Road, Suite 201  
Greenwood, IN 46143

SRF Project Number: DW 13 09 89 02

Authorized Representative: Stacy Hoffman  
Director of Engineering

### II. PROJECT LOCATION

The following water main replacement projects are located in Richmond, Wayne County, in Wayne Township in the Richmond Quadrangle; see Figure 1:

**RIC-1 South 8<sup>th</sup> Street:** The proposed project is located along South 8<sup>th</sup> Street from South O Street to South Q Street. The project is located in T33N, R1W, Section 8; Figures 2 and 3;

**RIC-2 Southwest A Street:** The proposed project is located along SW A/SW 17<sup>th</sup> from NW 16<sup>th</sup>/SW 18<sup>th</sup> Street to SW A/Main Street. The project area is located in T13N, R1W, Section 6 in; Figures 4 and 5;

**RIC-3 Laird Street:** The proposed project is located along Laird Street from Harris Street to dead end. The project area is located in T14N, R1W, Section 29; Figures 6, 7 and 8;

**RIC-8 Southwest C Street:** The proposed project is located along Southwest C Street from Southwest 4<sup>th</sup> Street to College Avenue. The project area is located in T13N, R1W, Sections 5 and 6; Figures 9, 10, and 11.

### III. PROJECT NEED AND PURPOSE

Corrosion and deterioration have resulted in numerous breaks and leaks in recent years. This has caused a reduction in flow and pressure for customers in these areas. The "No Action" alternative was rejected since the existing water main would continue to deteriorate causing continuous service disruptions, low pressures, leaks, and breaks.

**RIC-1 South 8<sup>th</sup> Street:** The 6-inch cast iron water main has been in service since the 1950s. The selected alternative involves the replacement of the 6-inch cast iron water main along South 8<sup>th</sup> Street from South O Street to South Q Street with approximately 700 feet of 12-inch ductile iron water main; see Figures 2 and 3.

**RIC-2 Southwest A Street:** The 2-inch cast iron/pvc water mains have been in service since the 1940s. The selected alternative involves the replacement of the 2-inch cast iron/pvc water mains along SW A/SW 17<sup>th</sup> from NW 16<sup>th</sup>/SW 18<sup>th</sup> Street to SW A/Main Street with approximately 1,000 feet of 6-inch ductile iron water main; see Figures 4 and 5.

**RIC-3 Laird 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 Laird Street from Harris Street to dead end with approximately 300 feet of 4-inch ductile iron water main; see Figures 6, 7 and 8.

**RIC-8 Southwest C Street:** The 6-inch cast iron water main has been in service since the 1950s. The selected alternative involves the replacement of the 6-inch cast iron water main along Southwest C Street from Southwest 4<sup>th</sup> Street to College Avenue with approximately 800 feet of 8-inch ductile iron water main; see Figures 9, 10 and 11.

#### IV. ESTIMATED PROJECT COST AND FUNDING

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

###### **RIC-1 South 8th Street:**

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

Construction Sub-Total	\$ 244,500
Contingencies (10%)	<u>24,500</u>
<b>Construction Total</b>	<b>\$ 269,000</b>

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

Permit	1,000
INAWC Furnished Materials	<u>21,200</u>
<b>Non-Construction Total</b>	<b>\$ 22,200</b>

**Project Costs \$ 291,200**

###### **RIC-2 Southwest A Street:**

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

Construction Sub-Total	\$ 302,500
Contingencies (10%)	<u>30,300</u>
<b>Construction Total</b>	<b>\$ 332,800</b>

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

Survey	\$ 1,500
INAWC Furnished Materials	<u>25,900</u>
<b>Non-Construction Total</b>	<b>\$ 27,400</b>

**Project Costs \$ 360,200**

**RIC-3 Laird Street:**

**Construction Costs**

Construction Sub-Total	\$ 81,300
Contingencies (10%)	<u>8,100</u>
<b>Construction Total</b>	<b>\$ 89,400</b>

**Non-Construction Costs**

INAWC Furnished Materials	\$ 5,200
Survey	<u>800</u>
<b>Non-Construction Total</b>	<b>\$ 6,000</b>

**Project Costs \$ 95,400**

**RIC-8 Southwest C Street:**

**Construction Costs**

Construction Sub-Total	\$ 195,700
Contingencies (10%)	<u>19,600</u>
<b>Construction Total</b>	<b>\$ 215,300</b>

**Non-Construction Costs**

Survey	\$ 2,000
INAWC Furnished Materials	<u>14,900</u>
<b>Non-Construction Total</b>	<b>\$ 16,900</b>

**Project Costs \$ 232,200**

**Total Estimated Projects Cost \$ 979,000**

- B.** Indiana American Water will finance the project with a 20-year loan of approximately \$979,000 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.

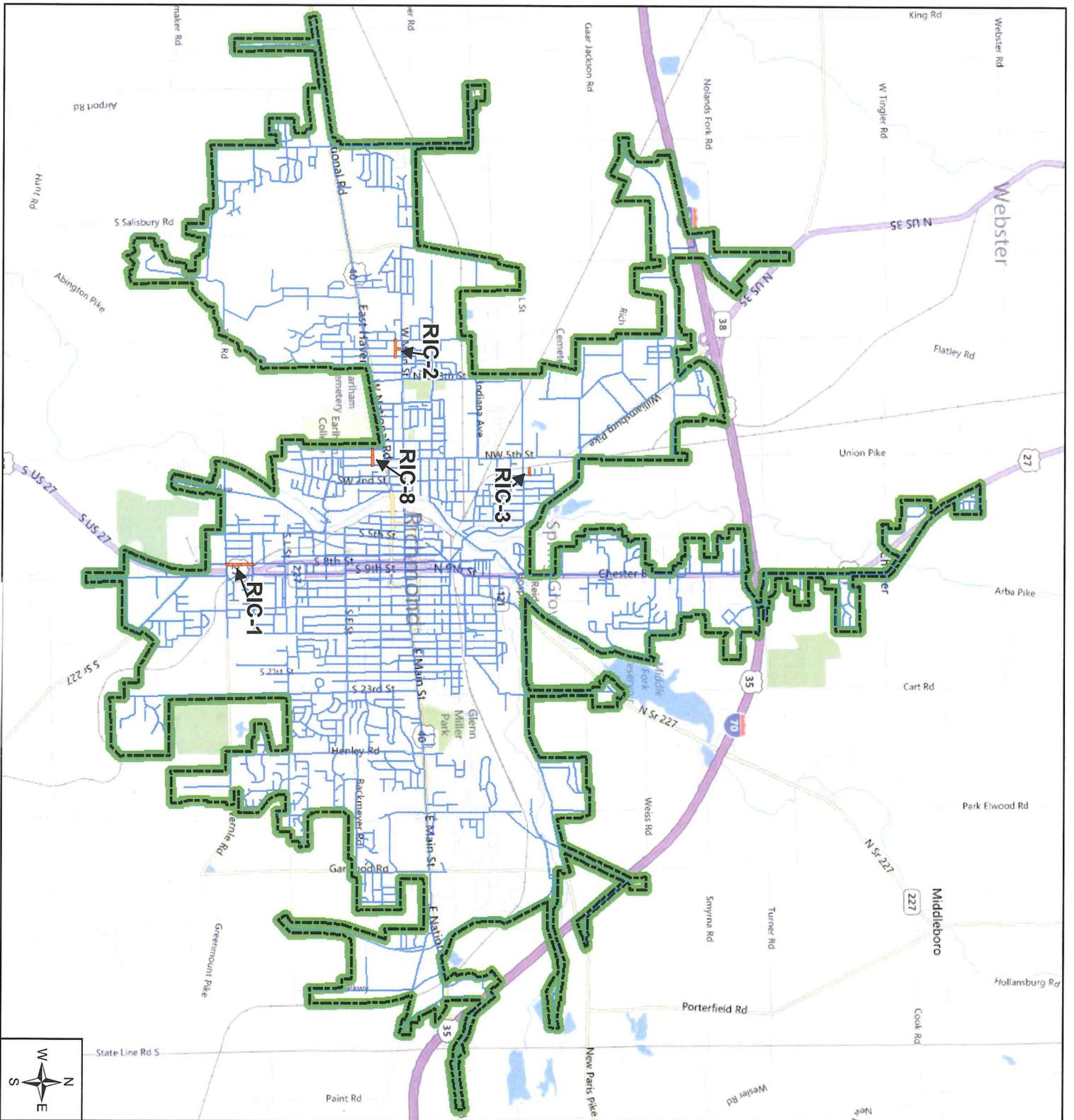
**V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES**

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."

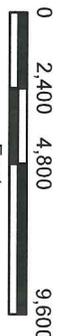
## **VI. PUBLIC PARTICIPATION**

A public hearing was held on April 17, 2013 at 5:30 p.m. at the Richmond City Hall. No written comments were received in the 5-day period following the hearing.



**Legend**

-  Project Location
-  Service Area



SCALE: 1" = 5,817'

**Richmond, Indiana**  
**Service Area**

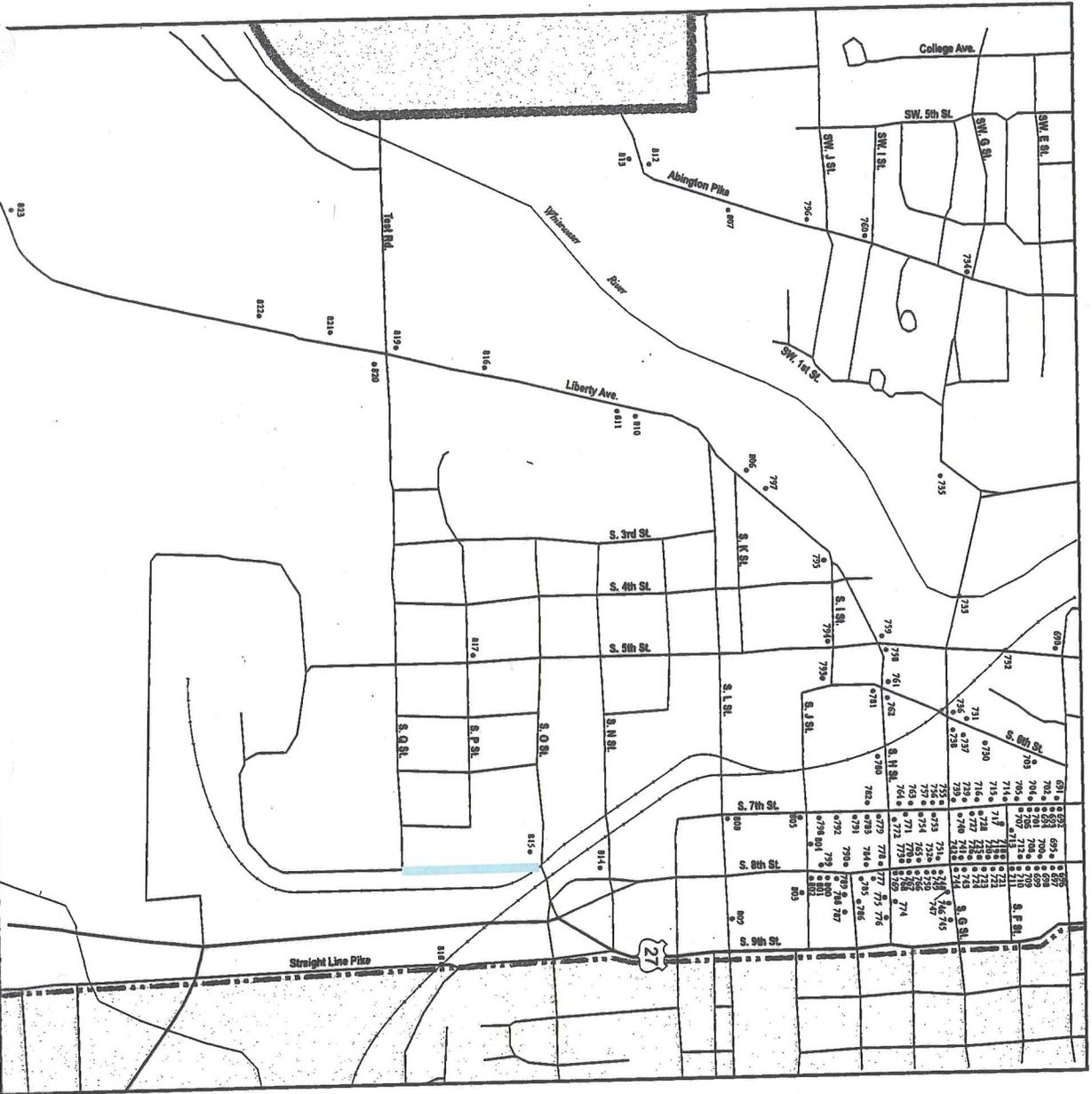


**INDIANA**  
**AMERICAN WATER**  
**Richmond District**

**Figure 1**

# Richmond Scattered Sites - SW Quad (56257-823)

## Enlargement B - Sites 55690-823

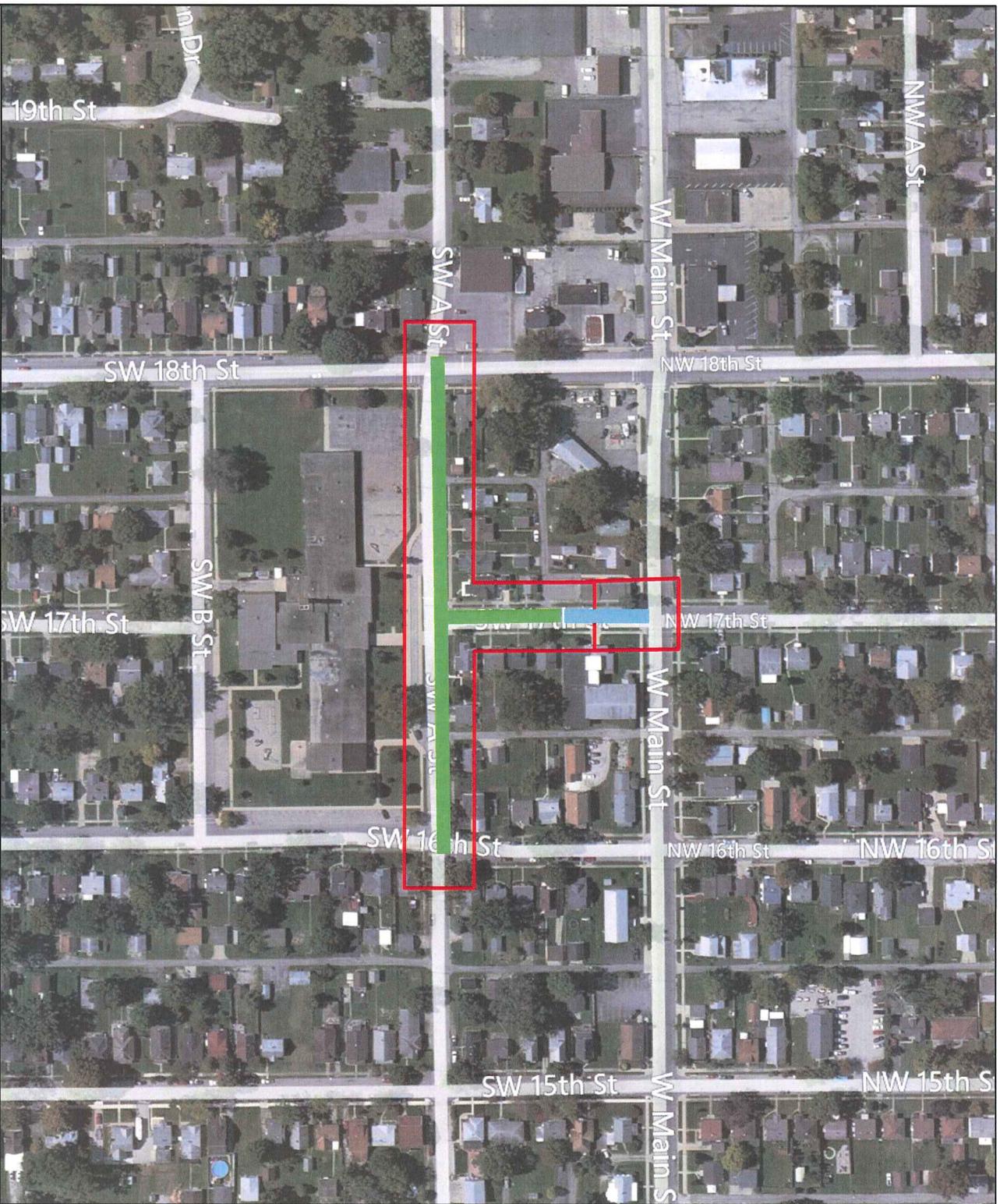


- 257 C Ralston Purina Company Grain Elevator, 505 N 6th St.; square-binned elevator, 1951; *Industry* (536)
- 258 C House, 100 NW E St.; Queen Anne, c.1900; *Architecture* (536)
- 259 C House, 122 NW E St.; Queen Anne, c.1900; *Architecture* (536)
- 260 C House, 443 NW E St.; Queen Anne, c.1900; *Architecture* (536)
- 261 C House, 441 NW E St.; Queen Anne, c.1900; *Architecture* (536)
- 262 C House, 437 NW E St.; Queen Anne, c.1900; *Architecture* (536)
- 263 C House, 333 NW E St.; Queen Anne, c.1900; *Architecture* (536)
- 264 C House, 313 NW E St.; Queen Anne, c.1900; *Architecture* (536)
- 265 C House, 235 NW E St.; Queen Anne, c.1900; *Architecture* (536)
- 266 C House, 233 NW E St.; Queen Anne, c.1900; *Architecture* (536)
- 267 C House, 205 NW E St.; Queen Anne, c.1900; *Architecture* (536)
- 268 C House, 137-137½ NW E St.; Queen Anne, c.1900; *Architecture* (536)
- 269 C House, 125 NW E St.; Craftsman, c.1910; *Architecture* (536)
- 270 N The Twentieth Century Bridge and Grade Separation, Richmond Ave. over Whitewater River; Concrete arch, 1951; *Engineering, Transportation* (536)
- 271 C House, 34 Richmond Ave.; Queen Anne, c.1880; *Architecture* (536)
- 272 C House, 38 Richmond Ave.; Queen Anne, c.1880; *Architecture* (536)
- 273 C House, 44 Richmond Ave.; Bungalow, c.1920; *Architecture* (536)

Figure 2: From the Wayne County Interim Report Historic Sites and Structures Inventory

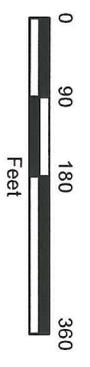




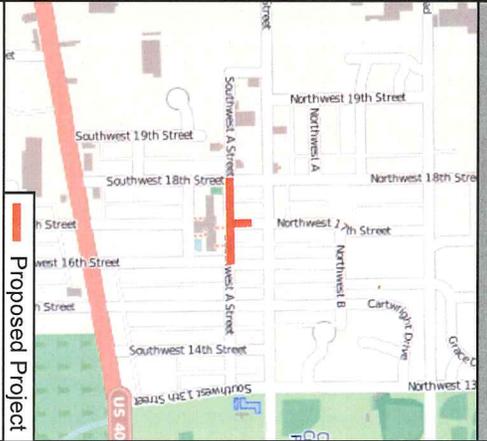
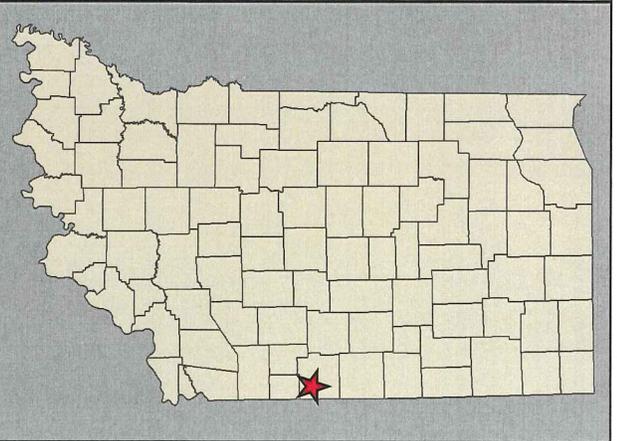


□ Project Location   
 — Proposed Project Replacement   
 — Proposed New

**Project Description:**  
 Install 1000 feet of 6" ductile iron main to replace 2" cast iron and pvc mains.  
 Main will be installed under sidewalk/edge of pavement.



SCALE: 1" = 208'



**Project Area Map**  
 Figure RIC-2.1  
 Southwest A Street  
 Richmond, Indiana



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 Revised June 28, 2013

Figure 5

R5C-3

# Richmond Scattered Sites - NW Quad (56017-256)

## Overall Map - Sites 55017-026, 55060



Figure 6: From the Wayne County Interim Report Historic Sites and Structures Inventory

# Richmond Scattered Sites - NW Quad (56017-256)

## Enlargement - Sites 55027-256

RIC-3

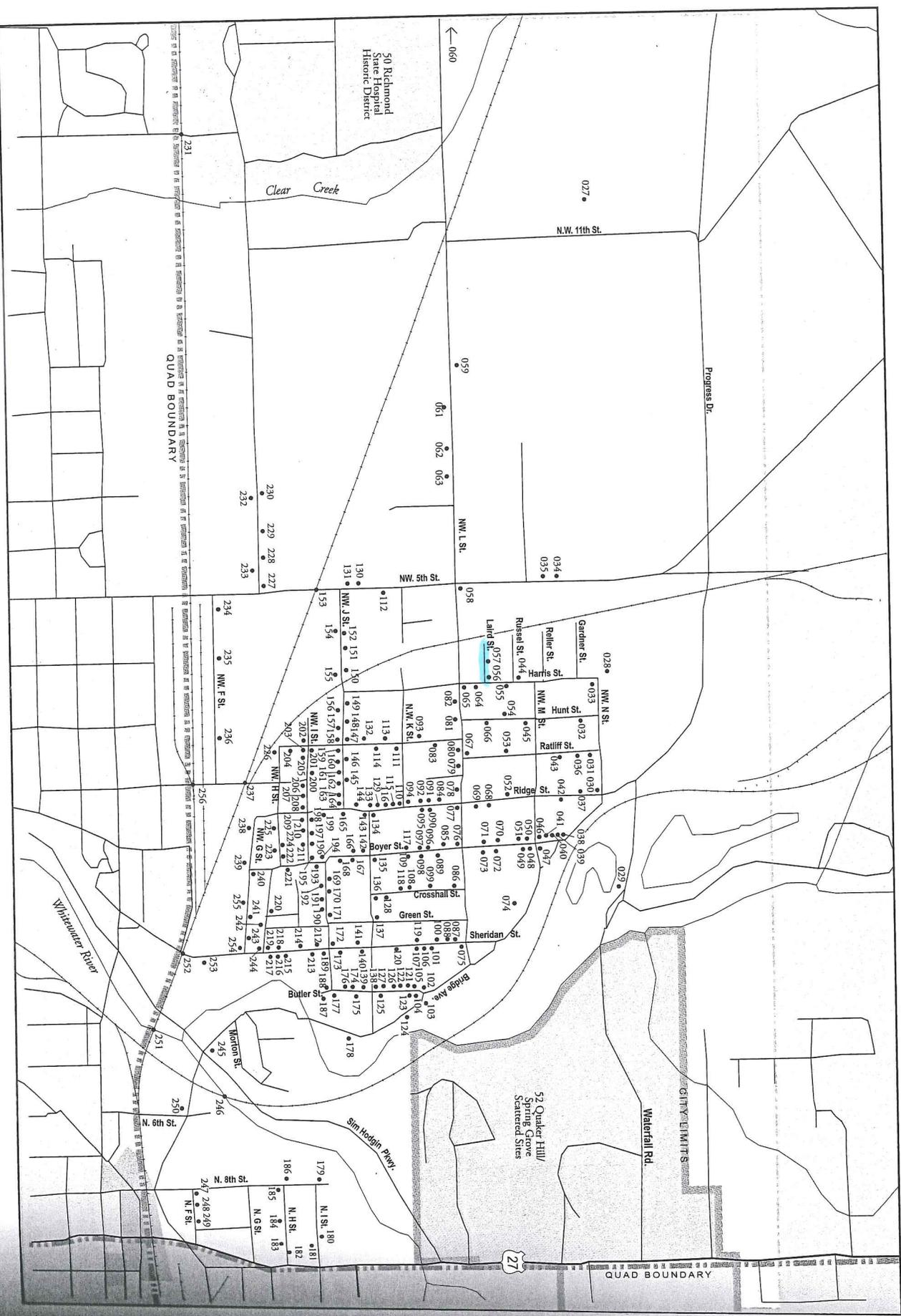
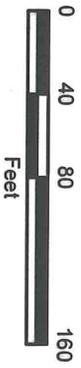


Figure 7: From the Wayne County Interim Report Historic Sites and Structures Inventory

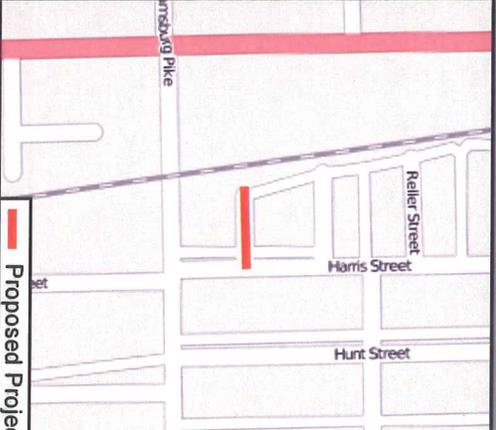


 Project Location  Proposed Project

**Project Description:**  
 Install 300 feet of 4" ductile iron main to replace 2" cast iron main.  
 Main will be installed under pavement.



SCALE: 1" = 80'



**Project Area Map**

Figure RIC-3.1  
 Laird Street  
 Richmond, Indiana



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 Richmond District

Figure 8

# Richmond Scattered Sites - SW Quad (56257-823)

## Enlargement A - Sites 55257-689

Figure RIC-8.8  
Historic Map 2

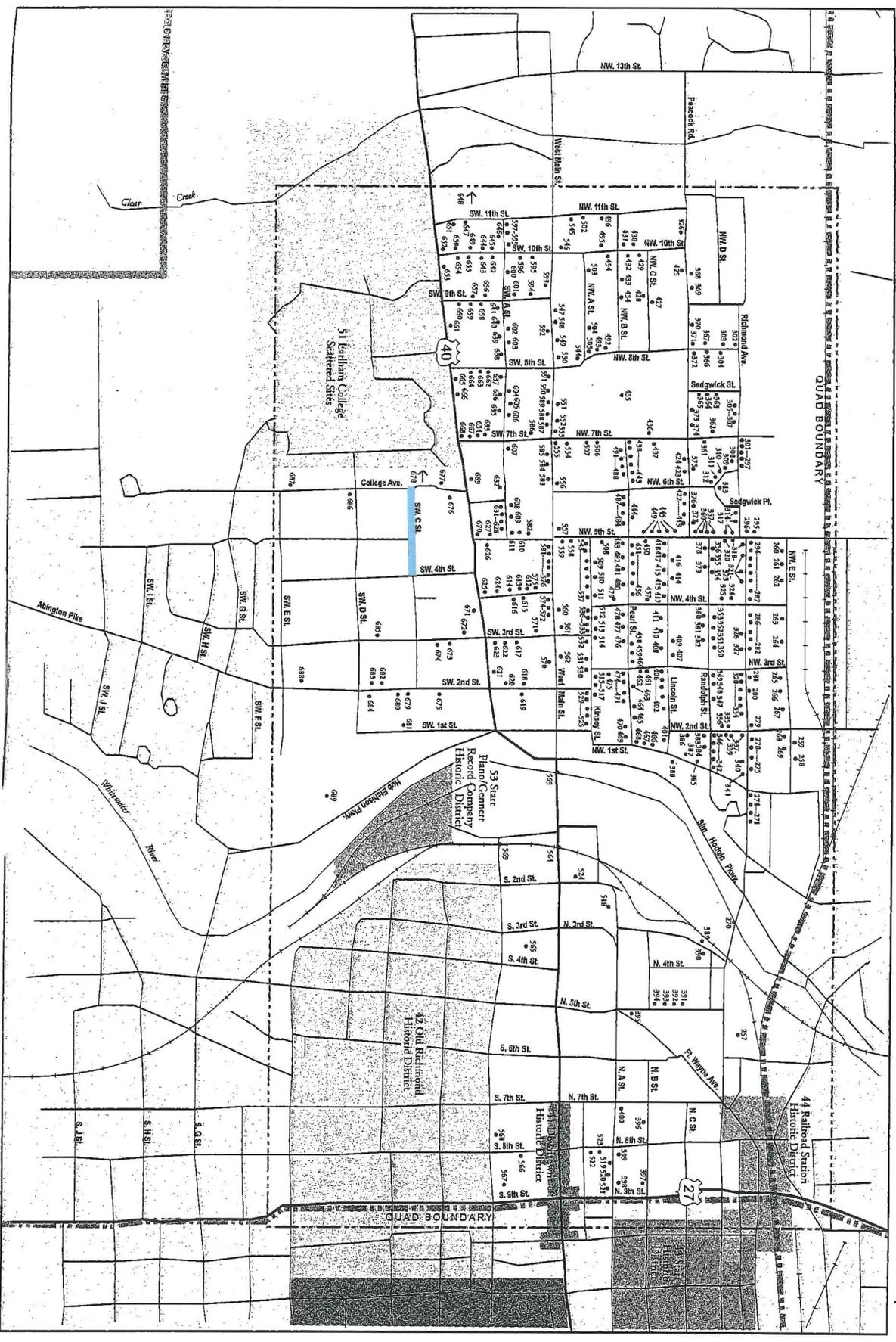
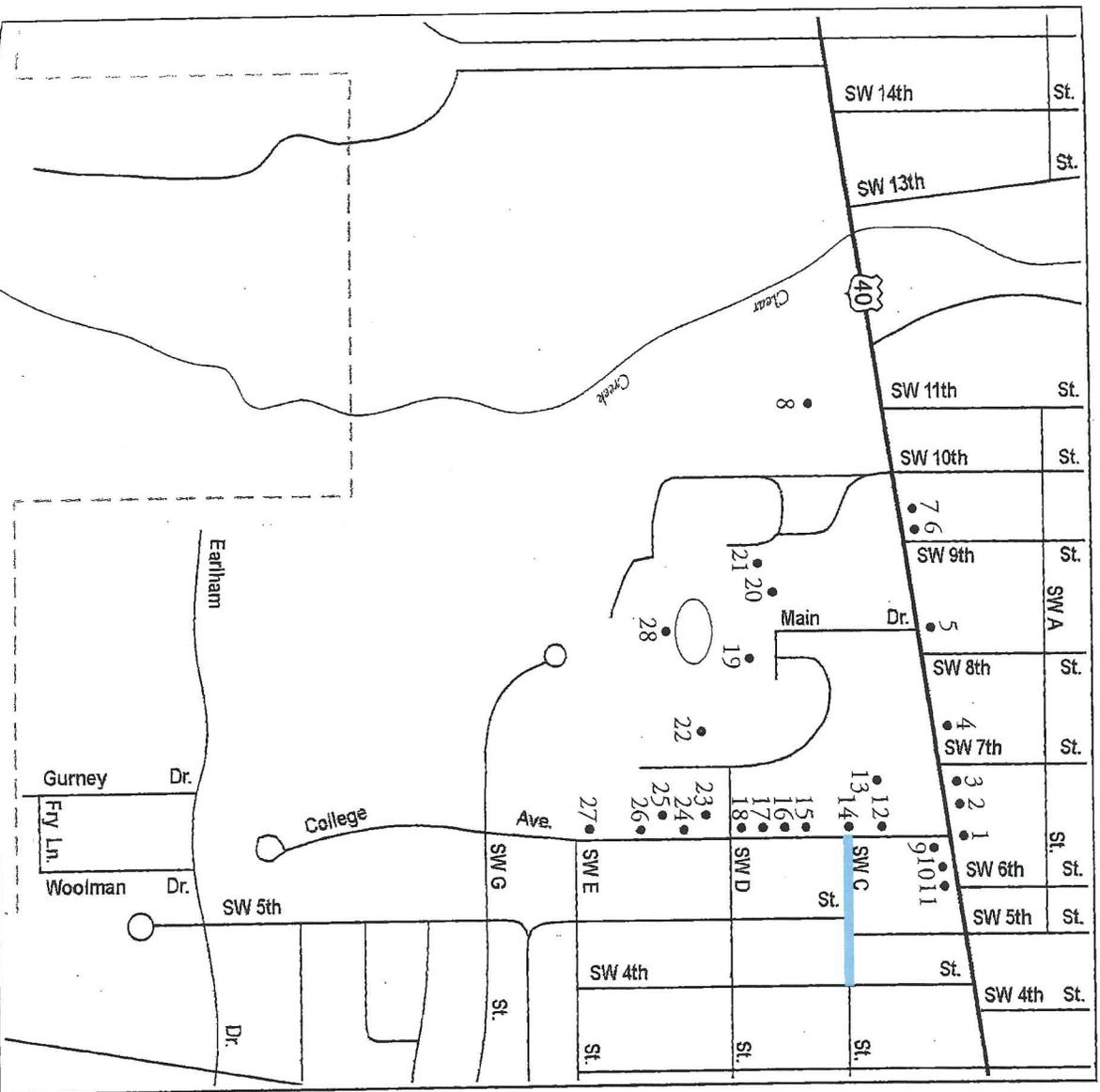


Figure 9: From the Wayne County Interim Report Historic Sites and Structures Inventory

# Earlham College Scattered Sites (51001-028)

RIC-8

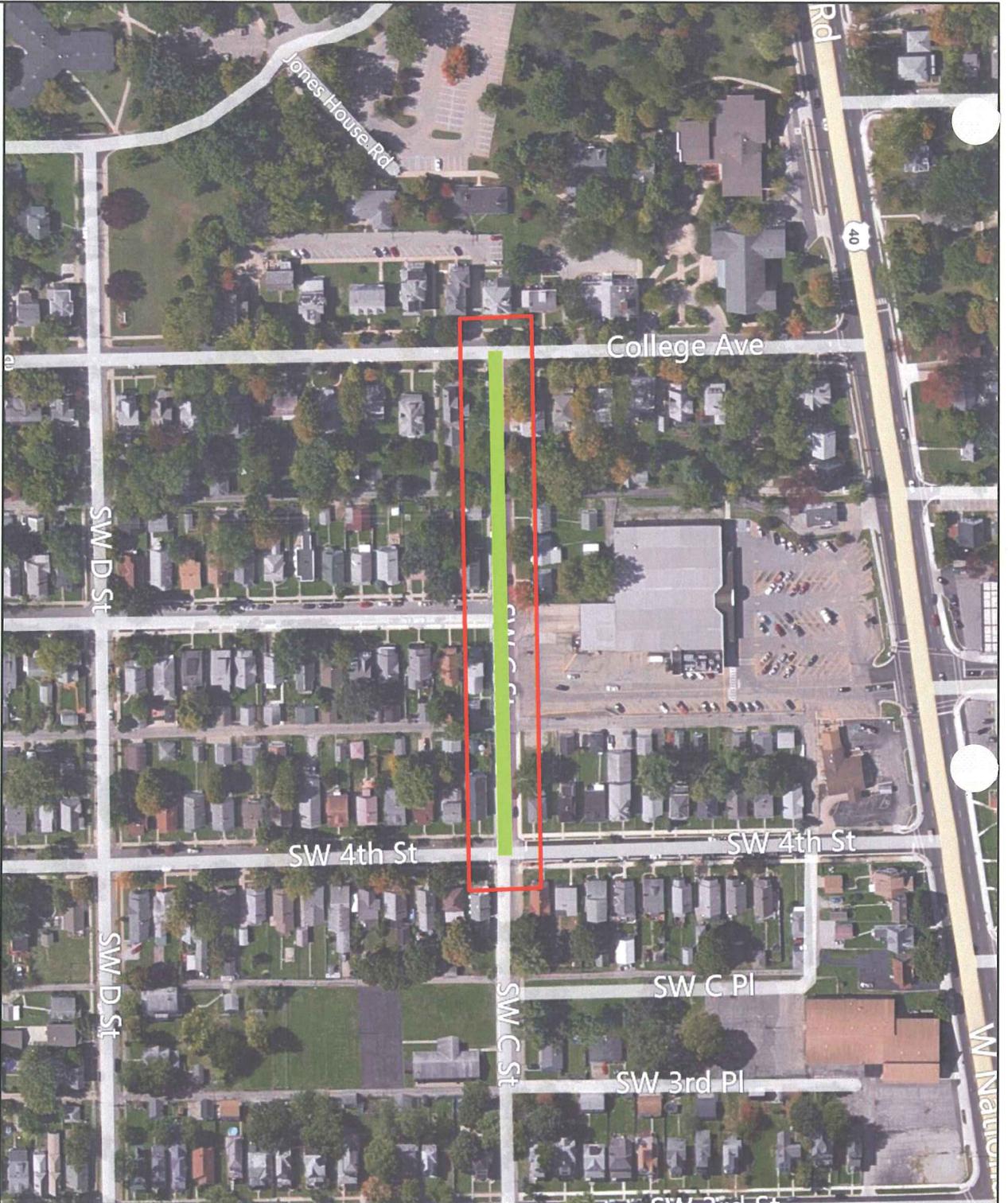


Earlham College was founded in 1847 by the Society of Friends for "the guarded religious education of the children of Friends." At the time, Richmond was the site of the Indiana Yearly Meeting of Friends, the largest Quaker meeting in the world. Richmond was the obvious location for a school. In 1859, the school added a collegiate department and became Earlham College. It was the second largest Quaker college in the world and the first coeducational one.

In 1865, Earlham College began accepting non-Quaker students, and it hired the first non-Quaker professor in 1886. Art and music, originally forbidden from the curriculum, were added in 1890, and intercollegiate athletics began in the same decade. Change did not come without controversy. Protests targeted a professor teaching modernist Bible study methods, and in the 1930s and 1941 many protested the relaxation of rules permitting dancing and smoking. In 1920-21, Earlham was a target for an investigation involving liberalism and evolution.

After World War II, Earlham College greatly expanded. New construction, financial growth, an international body of students, and a new generation of teachers transformed the college. In 1960, Earlham responded to the need for leadership in the Society of Friends and created the only accredited Quaker theological seminary in the world. Earlham also created Conner Prairie, a living history museum near Indianapolis. The college maintains its Quaker identity through its Community Code, curriculum, governance by consensus-seeking, and affiliation with the Indiana and Western yearly meetings of Friends, even though a minority of students are Quaker.

Figure 10: From the Wayne County Interim Report Historic Sites and Structures Inventory



 Project Location  Proposed Project

**Project Description:**  
 Install 800 feet of 8" ductile iron main to replace 6" cast iron main.  
 Main will be installed under sidewalk/edge of pavement.



SCALE: 1" = 200'



**Project Area Map**  
 Figure RIC-8.1  
 Southwest C Street  
 Richmond, Indiana



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Figure 11