



# 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**  
**Kokomo Water Main Replacement Projects**  
**SRF # DW 13 05 34 02**

**Date: September 20, 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, SRF 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) – Kokomo  
555 East County Line Road, Suite 201,  
Greenwood, IN 46143  
SRF Project Number: DW 13 05 34 02

Authorized Representative: Stacy Hoffman,  
Director of Engineering

### II. PROJECT LOCATION (FIGURE 1)

**Vaile Street:** The proposed project is located along Vaile Street from Locke Street to Ohio Street. The project area is located in Howard County, Center Township in the Kokomo East Quadrangle, T24N, R4E, section 31.

**West Taylor Street:** The proposed project is located along West Taylor Street from Phillips Street to McCann Street. The project area is located in Howard County, Center Township in the Kokomo West Quadrangle, T24N, R3E, section 36.

**Market Street:** The proposed project is located along Market Street from Deffenbaugh Street to Wheeler Street. The project area is located in Howard County, Center Township in the Kokomo West Quadrangle, T23N, R3E, section 1.

**Goyer Street:** The proposed project is located along Goyer Street from Foster Street to Boulevard Street. The project area is located in Howard County, Center Township in the Kokomo East Quadrangle, T23N, R4E, 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.

**Vaile Street:** The existing 8-inch cast iron water main has been in service since the 1940s. The selected alternative involves the replacement of the existing 8-inch cast iron water main along Vaile Street from Locke Street to Ohio Street with approximately 1,150 feet of 8-inch ductile iron water main; see Figures 2 and 3.

**West Taylor Street:** The existing 2-inch cast iron water main has been in service since the 1900s. The selected alternative involves the replacement of the existing 2-inch cast iron water main along West Taylor Street from Phillips Street to McCann Street with approximately 1,100 feet of 8-inch ductile iron water main; see Figures 4 and 5.

**Market Street:** The existing 2-inch cast iron water main has been in service since the 1970s. The selected alternative involves the replacement of the existing 2-inch cast iron water main along Market Street from Deffenbaugh Street to Wheeler Street with approximately 850 feet of 6-inch ductile iron water main; see Figures 6 and 7.

**Goyer Street:** The existing 12-inch cast iron water main has been in service since the 1990s. The selected alternative involves the replacement of the existing 12-inch cast iron water main along Goyer Street from Foster Street to Boulevard Street with approximately 4,650 feet of 12-inch ductile iron water main; see Figures 8 and 9.

**IV. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING**

The project cost is estimated to be as follows:

**Vaile Street**

**Construction Costs**

|                           |                   |
|---------------------------|-------------------|
| Construction Cost         | \$ 355,300        |
| Contingencies (10%)       | <u>35,500</u>     |
| <b>Construction Total</b> | <b>\$ 390,800</b> |

**Non-Construction Costs**

|                               |                  |
|-------------------------------|------------------|
| Survey & Engineering          | \$ 3,000         |
| Permits                       | 1,000            |
| INAWC Furnished Materials     | <u>21,000</u>    |
| <b>Non-Construction Total</b> | <b>\$ 25,000</b> |

**Project Costs \$ 415,800**

**West Taylor Street**

**Construction Costs**

|                           |                   |
|---------------------------|-------------------|
| Construction Cost         | \$ 354,100        |
| Contingencies (10%)       | <u>35,400</u>     |
| <b>Construction Total</b> | <b>\$ 389,500</b> |

**Non-Construction Costs**

|                               |                  |
|-------------------------------|------------------|
| Survey & Engineering          | \$ 1,200         |
| INAWC Furnished Materials     | <u>18,100</u>    |
| <b>Non-Construction Total</b> | <b>\$ 19,300</b> |

**Project Costs \$ 408,800**

**Market Street**

**Construction Costs**

|                           |                   |
|---------------------------|-------------------|
| Construction Cost         | \$ 190,800        |
| Contingencies (10%)       | <u>19,100</u>     |
| <b>Construction Total</b> | <b>\$ 209,900</b> |

**Non-Construction Costs**

|                               |                  |
|-------------------------------|------------------|
| Survey & Engineering          | \$ 2,100         |
| INAWC Furnished Materials     | <u>12,500</u>    |
| <b>Non-Construction Total</b> | <b>\$ 14,600</b> |

**Project Costs \$ 224,500**

**Goyer Road**

**Construction Costs**

|                           |                   |
|---------------------------|-------------------|
| Construction Cost         | \$ 673,700        |
| Contingencies (10%)       | <u>67,400</u>     |
| <b>Construction Total</b> | <b>\$ 741,100</b> |

**Non-Construction Costs**

|                               |                  |
|-------------------------------|------------------|
| Survey & Engineering          | \$ 11,900        |
| INAWC Furnished Materials     | <u>66,800</u>    |
| <b>Non-Construction Total</b> | <b>\$ 78,700</b> |

**Project Costs \$ 819,800**

**Total Estimated Project Cost \$ 1,868,900**

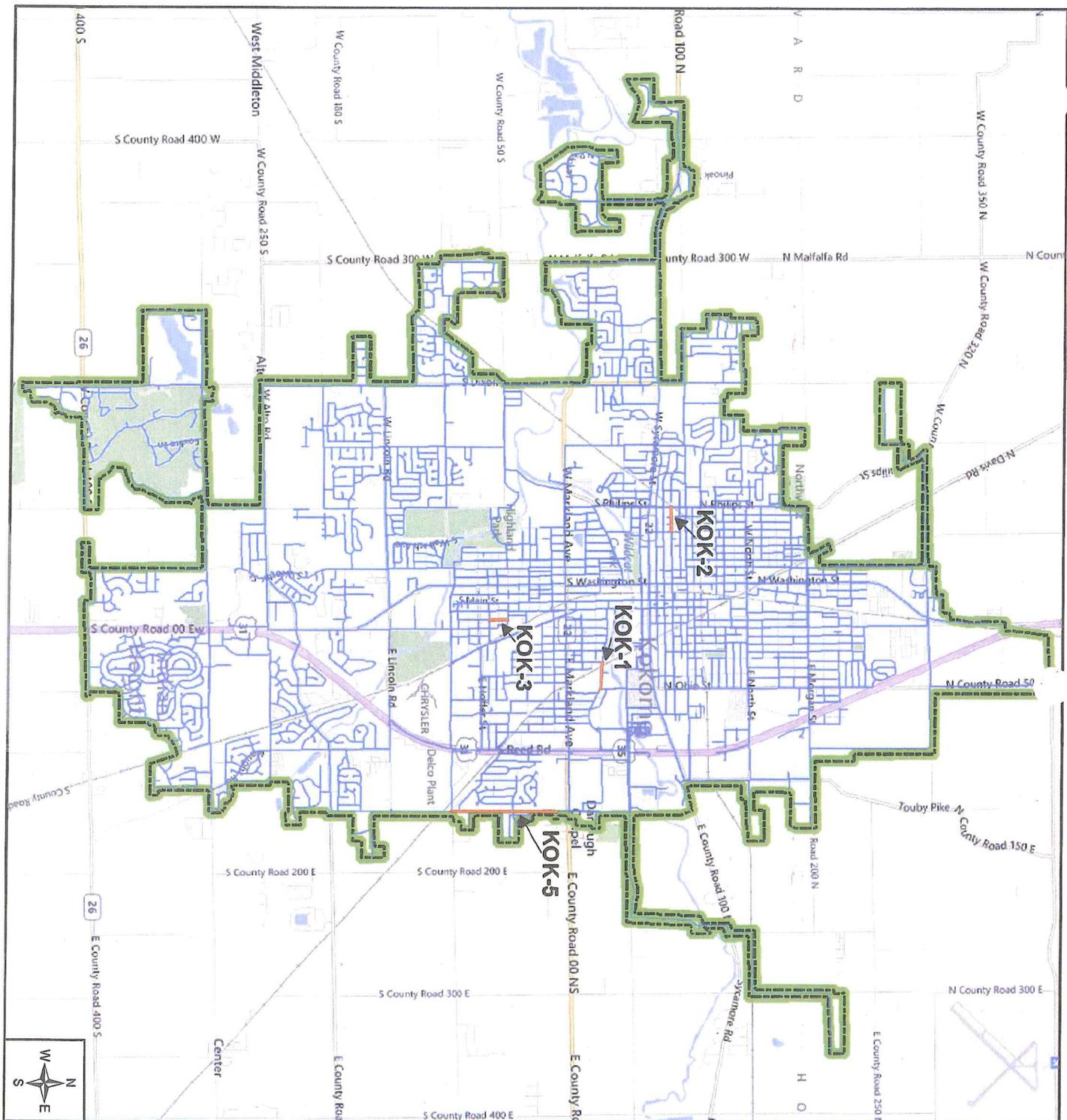
Indiana American Water will finance the projects for the water main replacement projects in Kokomo with a 20-year loan of approximately \$1,868,900 from the State Revolving Fund (SRF) Loan Program at an interest rate to be determined at the time of loan closing. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

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

Consistent with the implementing regulations of the National Historic Preservation Act, the SRF has determined that the proposed undertaking is not a type of activity that has the potential to cause effects to historic properties.

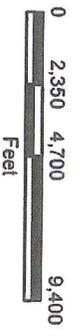
**VI. PUBLIC PARTICIPATION**

Indiana American Water placed a notice in the Kokomo Tribune on April 6, 2013, describing the proposed upgrades to Kokomo's drinking water system. The city did not receive comments on the project.



**Legend**

-  Project Location
-  Service Area



SCALE: 1" = 5,617'

**Kokomo, Indiana**  
**Service Area**



**INDIANA**  
**AMERICAN WATER**  
**Kokomo District**

Revised June 28, 2013

Figure 1

# Kokomo Scattered Sites (46417-477) Southeast Quad, Map 6



Figure 2

## Southeast Quadrant

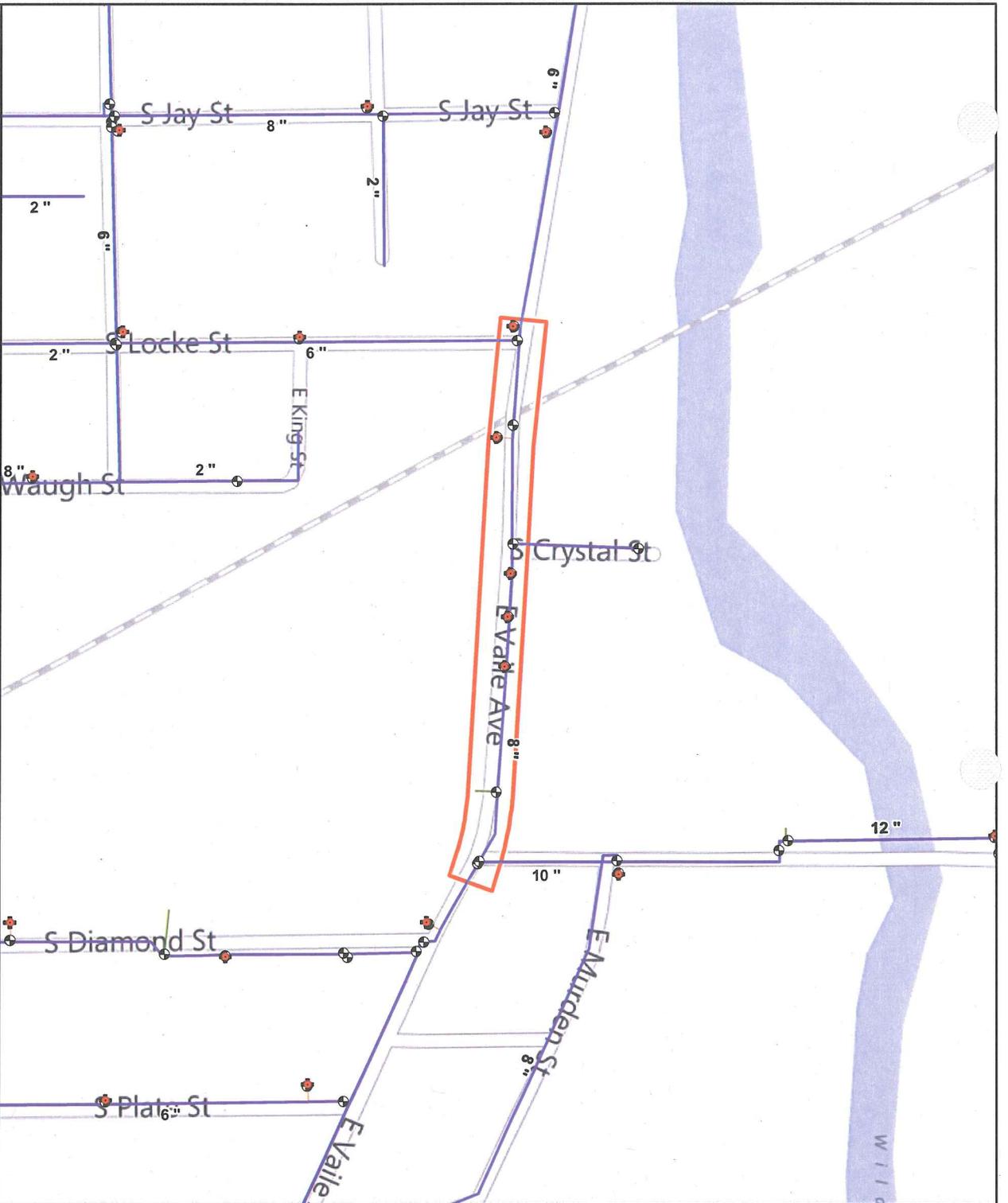
The southeast quadrant, located below the Willie Creek, is the section of the city most reflective of the Gas Boom and automotive industries. The automotive manufacturing plant of the Apperson Brothers, the early partners of Elwood Hayes, constitutes Kokomo's most outstanding historic industrial structure. Hayes situated his own automotive plant further south on Union and Main streets, in an office building that is now an apartment residence. The remaining buildings of the plant became the home of Chrysler Motors in the 1950s. Having since moved its plants farther east to the US 31 by-pass, today Chrysler Corporation is the county's largest employer.

The only true Gas Boom manufacturing resource remaining in Kokomo is the Opalescent Glass Company. Glass manufacturing was a primary draw to the region's wondrous natural resource. The gas well upon which the Opalescent Glass Company was constructed in 1888 was depleted long ago, but the producer of art glass has managed to remain on its original site and continues to serve an international clientele. Other standing resources of the Gas Boom era are buildings of the Kokomo Rubber Company and the Diamond Plate Glass Company. Around these plants are predictable neighborhoods of worker housing, although little remains historically intact. Going farther south, however, the neighborhoods become more modern and affluent, containing one of the city's best groupings of Colonial Revival resources from the middle twentieth century.

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ENVIRONMENTAL PROGRAMS



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

**Project Description:**

Install 1,150 feet of 8" ductile iron main to replace 8" cast iron main.  
 Main will be installed under sidewalk/edge of pavement.

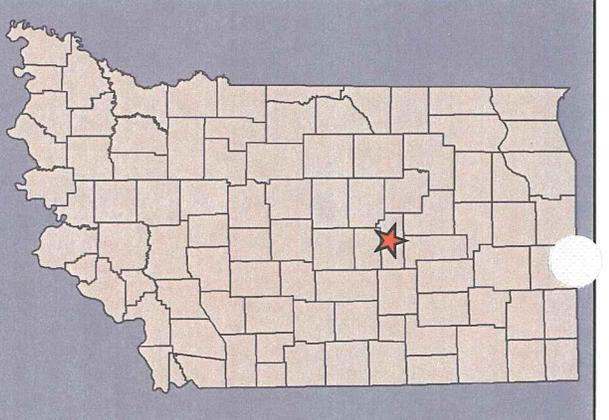
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 ENVIRONMENTAL PROGRAMS



SCALE: 1" = 317'



**System Map**

East Vaile Street  
 Kokomo, Indiana



INDIANA  
 AMERICAN WATER  
 Kokomo District

Figure 3



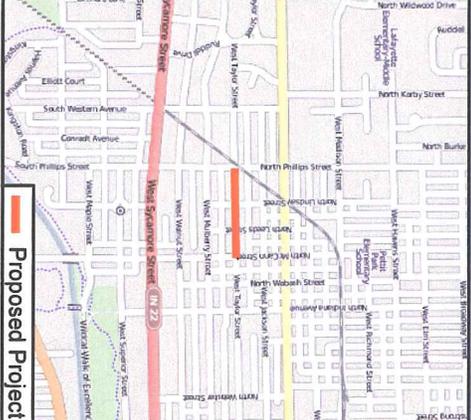
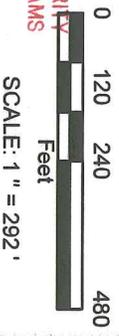


Project Location
 
+ Hydrant
 
+ Street Valve
 
— Service Laterals
 
— Hydrant Laterals
 
— Main

**Project Description:**  
 Install 1, 100 feet of 8" ductile iron main to replace 2" cast iron main.  
 Main will be installed under sidewalk.

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INDIANA FINANCE AUTHORITY  
ENVIRONMENTAL PROGRAMS



**System Map**

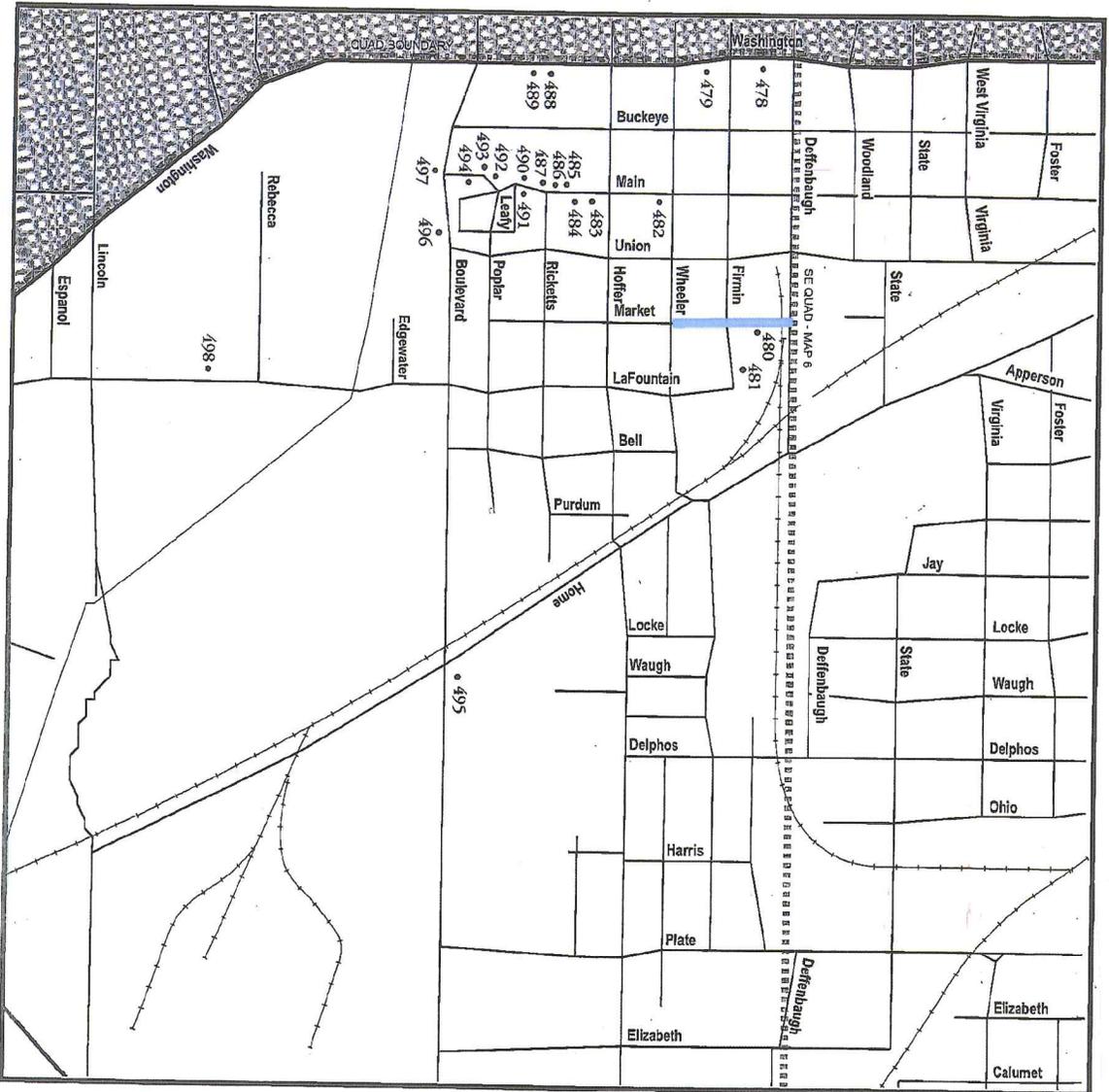
West Taylor Street  
Kokomo, Indiana



INDIANA  
AMERICAN WATER  
Kokomo District

Figure 5

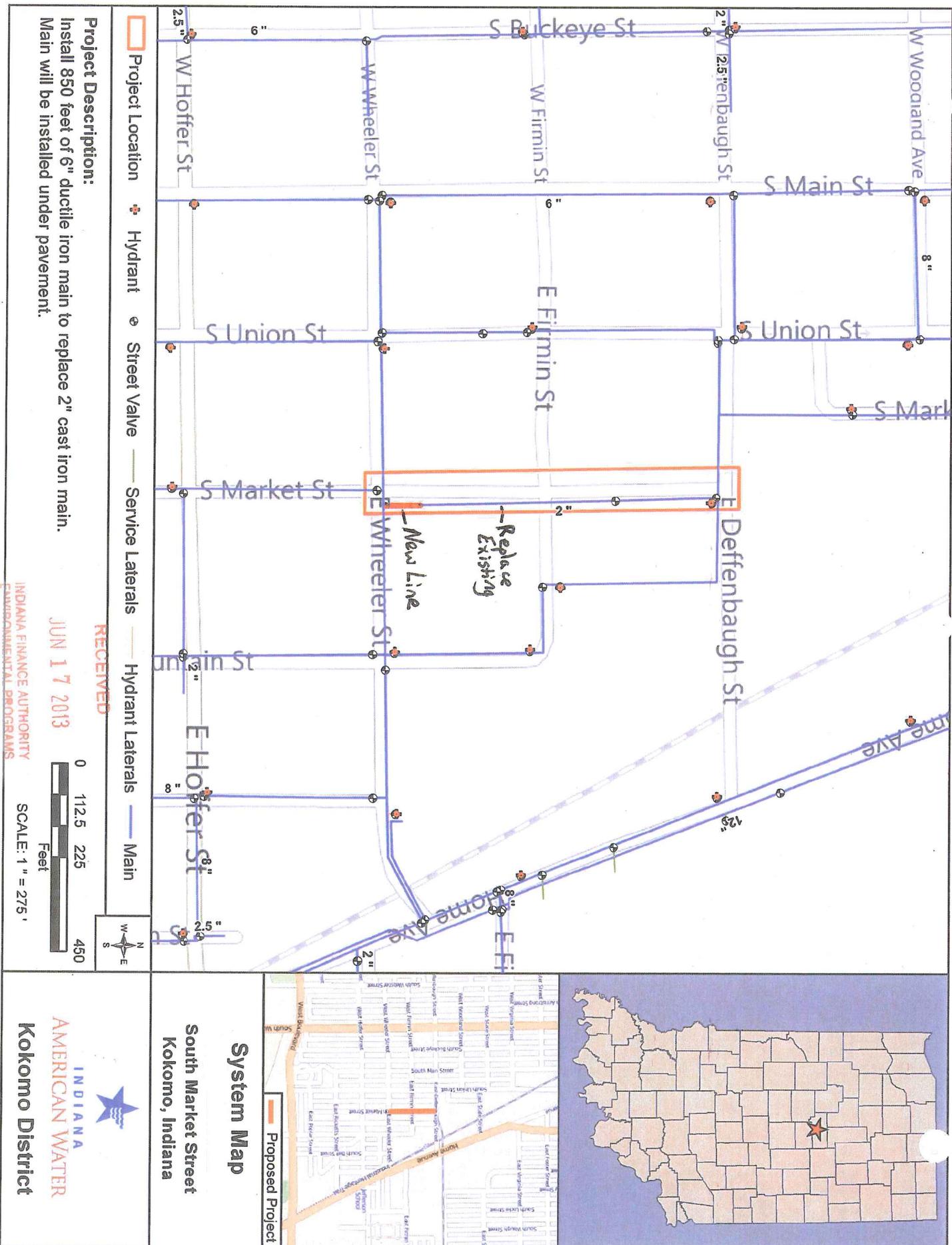
# Kokomo Scattered Sites (46478-498) Southeast Quad, Map 7



## KOKOMO SCATTERED SITES (46478-498)

| No. | Rtg. | Description   |
|-----|------|---|
| 478 | O    | Washington School, 1500 S Washington St.; Art Deco, 1939; <i>Architecture, Education</i> (323)  |
| 479 | C    | House, 1602 S Washington St.; Western bungalow, c.1916; <i>Architecture</i> (323)   |
| 480 | C    | Kokomo Opalescent Glass Company Administration Office, 1310 S Market St.; Craftsman, c.1915; <i>Architecture, Commerce</i> (323)      |
| 481 | C    | Warehouse, E Firmin St.; Romanesque Revival, c.1890; <i>Architecture, Commerce</i> (323)  |
| 482 | C    | Wesleyan Methodist Church, 904 S Main St.; Late Gothic Revival, 1948; <i>Architecture, Religion</i> (323)                             |
| 483 | C    | House, 1806 S Main St.; American four-square, c.1915; <i>Architecture</i> (323)   |
| 484 | C    | House, 1816 S Main St.; Craftsman, c.1917; <i>Architecture</i> (323)  |
| 485 | C    | House, 1819 S Main St.; Colonial Revival cottage, c.1920 (Architect's Small House Service Bureau, builder); <i>Architecture</i> (323) |
| 486 | C    | House, 1821 S Main St.; Bungalow, c.1918; <i>Architecture</i> (323)   |
| 487 | C    | House, 1835 S Main St.; American four-square, c.1918; <i>Architecture</i> (323)   |
| 488 | C    | House, 1810 S Washington St.; Craftsman, c.1918; Outbuilding: garage; <i>Architecture</i> (323)                                       |
| 489 | C    | House, 1820 S Washington St.; Dormer-front bungalow, c.1918; <i>Architecture</i> (323)  |
| 490 | N    | House, 1929 S Main St.; Colonial Revival, c.1925; <i>Architecture</i> (323)   |
| 491 | C    | House, 2002 S Main St.; Craftsman, c.1928; <i>Architecture</i> (323)  |

Figure 6



**Project Description:**  
 Install 850 feet of 6" ductile iron main to replace 2" cast iron main.  
 Main will be installed under pavement.

**Project Location**

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**SCALE: 1" = 275'**

**INDIANA AMERICAN WATER**  
**Kokomo District**

**System Map**  
 South Market Street  
 Kokomo, Indiana

**Proposed Project**

**INDIANA AMERICAN WATER**  
**Kokomo District**

**Figure 7**

# Center Township Scattered Sites (40001-021)

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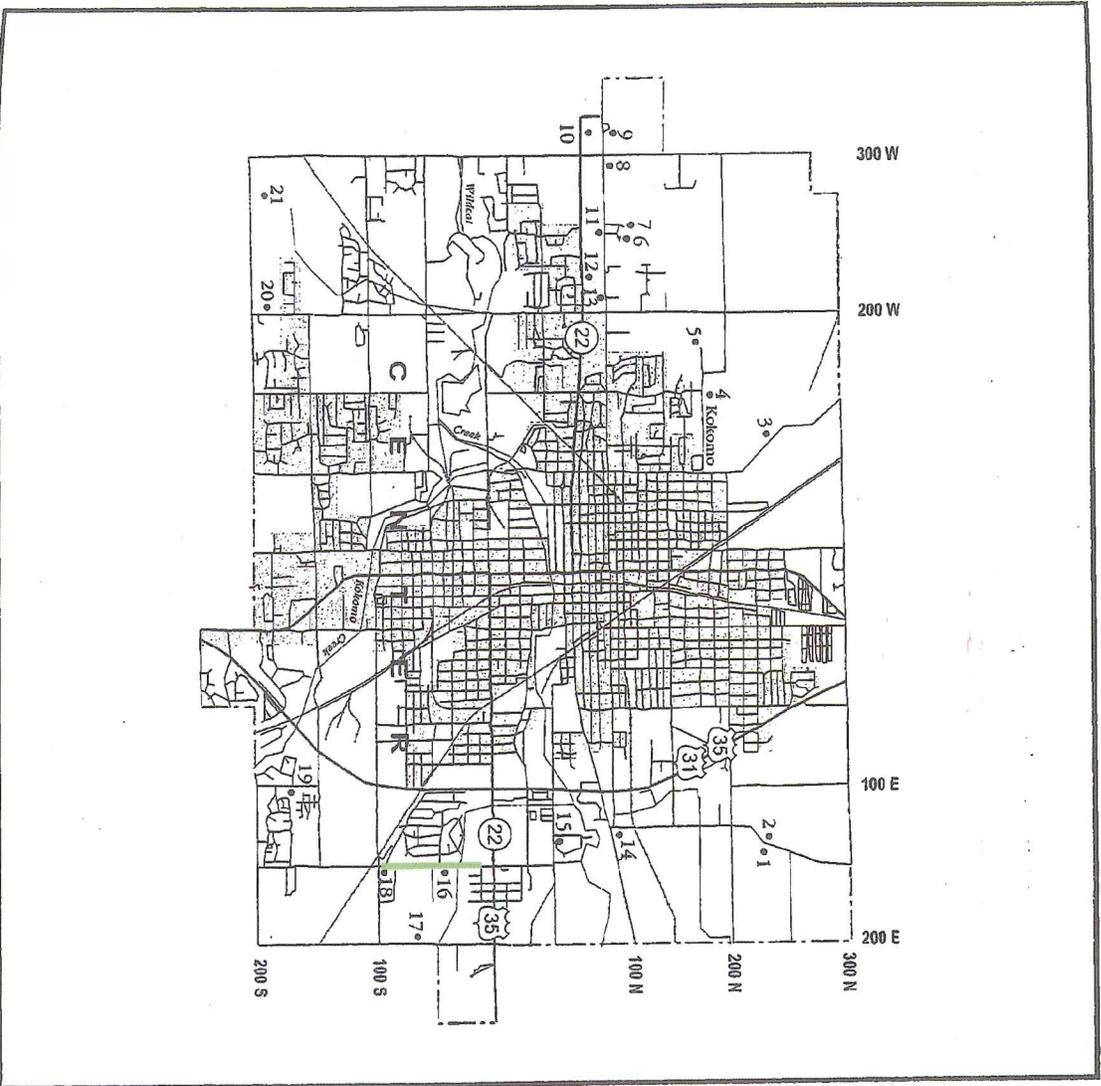


Figure 8

David Foster was already a veteran pioneer of the Old Miami Reserve when he purchased land at the Rapids of the Wildcat Creek in 1842. Having arrived at the town of Burlington, just west of the Reserve, in 1835, he moved his family eastward as the land opened up. He first operated a trading post on Wildcat Creek at the very eastern edge of the Seven-Mile Strip. After the remainder of the Reserve was opened in 1840, he negotiated a purchase at the rapids of the Wildcat, on land that had been the private grant of the Miami tribal chief Lafontaine, a son-in-law of Jean Baptiste Richardville. The location happened to lie at the geographical center of the future Howard County. Foster was in attendance at the first meeting to form the new county, held at the cabin of John Harrison near New London in 1844. Foster lobbied effectively to locate the county seat in his vicinity; he closed the deal by donating land and erecting a courthouse. Because of his generosity, he was allowed to name the future town.

The biography of the local native personality, "Kokomo," will probably never be known. Some accounts give him a dubious reputation, other accounts are more ennobling. In any case, he seems to have been a real person whose name was chosen for the county seat. During its first two years, the town was part of a large township itself called "Kokomo." Center Township was later organized in 1846.

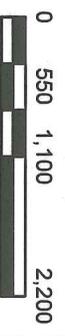
The original forty acres of Foster's donation is the heart of downtown Kokomo, bounded approximately by Washington Street on the west, Taylor Street on the north, Union Street on the east and the Wildcat Creek on the south. From the start, Kokomo was the county's most prominent town. A network of roads was improved to bring the rest of the county to the seat of government: Sycamore Street, forming the south side of the courthouse square, is the old



Project Location
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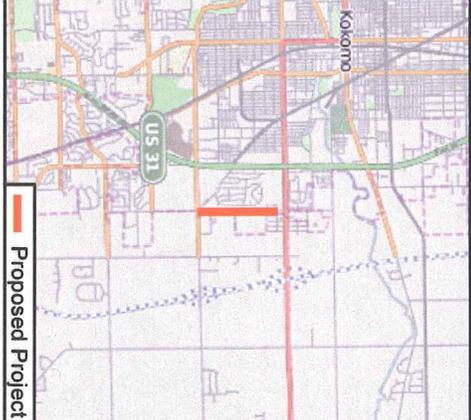
**Project Description:**

Install 4,650 feet of 12" ductile iron main to replace 12" ductile iron main.  
 Main will be installed in grass area of Right-of-Way.



JUN 17 2013  
 INDIANA FINANCE AUTHORITY  
 ENVIRONMENTAL PROGRAMS

SCALE: 1" = 1,417'



**System Map**

Goyer Road  
 Kokomo, Indiana



INDIANA  
 AMERICAN WATER  
 Kokomo District

Figure 9