



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
Northwest Indiana Water Main Replacement Projects
SRF # DW 13 08 45 03**

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

CATEGORICAL EXCLUSION

I. PROJECT IDENTIFICATION

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

SRF Project Number: DW 13 08 45 03

Authorized Representative: Stacy Hoffman
Director of Engineering

II. PROJECT LOCATION

The following water main replacement projects are located in **Northwest Indiana**, see Figure 1:

NWI-1 Portage: The proposed project is located in Cottonwood Mobile Home Park. The project is located in T36N, R7W, Section 2 in Portage Township, Porter Quadrangle, Porter County; Figures 2 and 3;

NWI -2 Gary: The proposed project is located along Garfield Street from West 45th Avenue to West 47th Avenue. The project area is located in Calumet Township, Gary Quadrangle, Lake County in T36N, R8W, Section 32 in; Figures 8 and 9;

NWI -3 Merrillville: The proposed project is located along Swift Street from West 41st Avenue to dead end. The project area is located in Hobart Township, Gary Quadrangle, Lake County in T36N, R8W, Section 26; Figures 10 and 11;

NWI -5 South Haven: The proposed project is located along Raritan Drive from County Road 400W to US 6. New line will be installed to close the line between Raritan Drive and US 6, and County Road 400 West. The project area is located in Portage Township, Portage Quadrangle, Porter County in T36N, R6W, Section 29; Figures 2 and 4;

NWI-6 South Haven: The proposed project is located along McCool Road from US 6 to Pinewood Drive. ~100 feet of new main will be directionally bored under US 6. The project area is located in Portage Township, Portage Quadrangle, Porter County in T36N, R6W, Section 29; Figures 2 and 5;

NWI-7 South Haven: The proposed project is located along Governor Road from US 6 to Lahonda Dr, along North Heritage Road from approximately 400 feet north of Pittsburg Ave to LaHonda Drive, and along LaHonda Drive. The project area is located in Portage Township,

Portage Quadrangle, Porter County in T36N, R6W, Section 29; Figures 2 and 6;

NWI-8 South Haven: The proposed project is located along Eagle Creek Road from Midway Drive to Pinewood Drive and along Fox River Road from Midway Drive to Pinewood Drive along Midway drive. The project area is located in Portage Township, Portage Quadrangle, Porter County in T36N, R6W, Section 29; Figures 2 and 7.

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 this area. The "No Action" alternative was rejected since the existing water main would continue to deteriorate causing continuous service disruptions, low pressures, leaks, and breaks.

NWI-1 Portage: The 2-inch galvanized water main has been in service since the 1960s. The selected alternative involves the replacement of the 2-inch galvanized water main in Cottonwood Mobile Home Park off of Old Porter Road with approximately 2,000 feet of 6-inch ductile iron water main; see Figures 2 and 3.

NWI-2 Gary: The 6-inch cast iron water mains have been in service since the 1960s. The selected alternative involves the replacement of the 6-inch cast iron water mains along Garfield Street from West 45th Avenue to West 47th Avenue with approximately 1,250 feet of 8-inch ductile iron water main; see Figures 8 and 9.

NWI-3 Merrillville: The 6-inch cast iron water main has been in service since the 1960s. The selected alternative involves the replacement of the 6-inch cast iron water main along Swift Street from West 41st Avenue to dead end with approximately 700 feet of 8-inch ductile iron water main; see Figures 10 and 11.

NWI- 5 South Haven: The 6-inch cast iron water main has been in service since the 1960s. The selected alternative involves the replacement of the 6-inch cast iron water main along Raritan Drive from County Road 400W to US 6 with approximately 1,400 feet of 8-inch ductile iron water main; see Figures 2 and 4.

NWI-6 South Haven: The 6-inch cast iron water main has been in service since the 1960s. The selected alternative involves the replacement of the 6-inch cast iron water main along McCool Road from US 6 to Pinewood Drive with approximately 4,077 feet of 12-inch ductile iron water main; see Figures 2 and 5.

NWI-7 South Haven: The 6-inch cast iron water main has been in service since the 1960s. The selected alternative involves the replacement of the 6-inch cast iron water main along Governor Road from US 6 to LaHonda Drive, along North Heritage Road from approximately 400 feet north of Pittsburg Ave. to LaHonda Drive, and along LaHonda Drive with approximately 3,050 feet of 8-inch ductile iron water main; see Figures 2 and 6.

NWI-8 South Haven: The 4-inch cast iron water main has been in service since the 1960s. The selected alternatives involves the replacement of the 4-inch cast iron water main along Eagle Creek Road from Midway Drive to Pinewood Drive, and along Fox River Road from Midway Drive to Pinewood Drive along Midway drive with approximately 4,500 feet of 8-inch ductile iron water main; see figures 2 and 7.

IV. ESTIMATED PROJECT COST AND FUNDING

A. Selected Plan Estimated Cost Summary

NWI-1 Portage:

Construction Costs

Construction Sub-Total	\$ 374,800
Contingencies (10%)	<u>37,500</u>
Construction Total	\$ 412,300

Non-Construction Costs

Survey	\$ 7,100
Engineering	9,100
INAWC Furnished Materials	26,600
Project Inspection	<u>6,000</u>
Non-Construction Total	\$ 48,800

Project Costs \$ 461,100

NWI-2 Gary:

Construction Costs

Construction Sub-Total	\$ 154,500
Contingencies (10%)	<u>15,500</u>
Construction Total	\$ 170,000

Non-Construction Costs

Survey	\$ 5,000
Engineering	7,400
INAWC Furnished Materials	19,700
Project Inspection	<u>3,800</u>
Non-Construction Total	\$ 35,900

Project Costs \$ 205,900

NWI-3 Merrillville:

Construction Costs

Construction Sub-Total	\$ 165,800
Contingencies (10%)	<u>16,600</u>
Construction Total	\$ 182,400

Non-Construction Costs

INAWC Furnished Materials	11,400
Project Inspection	<u>2,100</u>
Non-Construction Total	\$ 13,500

Project Costs \$ 195,900

NWI-5 South Haven:

Construction Costs

Construction Sub-Total	\$ 236,000
Contingencies (10%)	<u>23,600</u>
Construction Total	\$ 259,600

Non-Construction Costs

Survey	\$ 4,100
Engineering	8,100
INAWC Furnished Materials	23,700
Project Inspection	<u>4,200</u>
Non-Construction Total	\$ 40,100

Project Costs \$ 299,700

NWI-6 South Haven:

Construction Costs

Construction Sub-Total	\$ 674,900
Contingencies (10%)	<u>67,500</u>
Construction Total	\$ 742,400

Non-Construction Costs

Survey	\$ 9,900
Engineering	14,400
INAWC Furnished Materials	105,400
Project Inspection	<u>12,200</u>
Non-Construction Total	\$ 141,900

Project Costs \$ 884,300

NWI-7 South Haven:

Construction Costs

Construction Sub-Total	\$ 430,800
Contingencies (10%)	<u>43,100</u>
Construction Total	\$ 473,900

Non-Construction Costs

Survey	\$ 6,400
Engineering	16,700
INAWC Furnished Materials	46,100
Project Inspection	<u>9,200</u>
Non-Construction Total	\$ 78,400

Project Costs \$ 552,300

NWI-8 South Haven:

Construction Costs

Construction Sub-Total	\$ 549,800
Contingencies (10%)	<u>55,000</u>
Construction Total	\$ 604,800

Non-Construction Costs

Survey	\$ 11,700
Engineering	12,400
INAWC Furnished Materials	70,300
Project Inspection	<u>13,500</u>
Non-Construction Total	\$ 107,900

Project Costs \$ 712,700

Total Estimated Projects Cost \$3,311,900

- B.** Indiana American Water will finance the project with a 20-year loan of approximately \$3,311,900 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

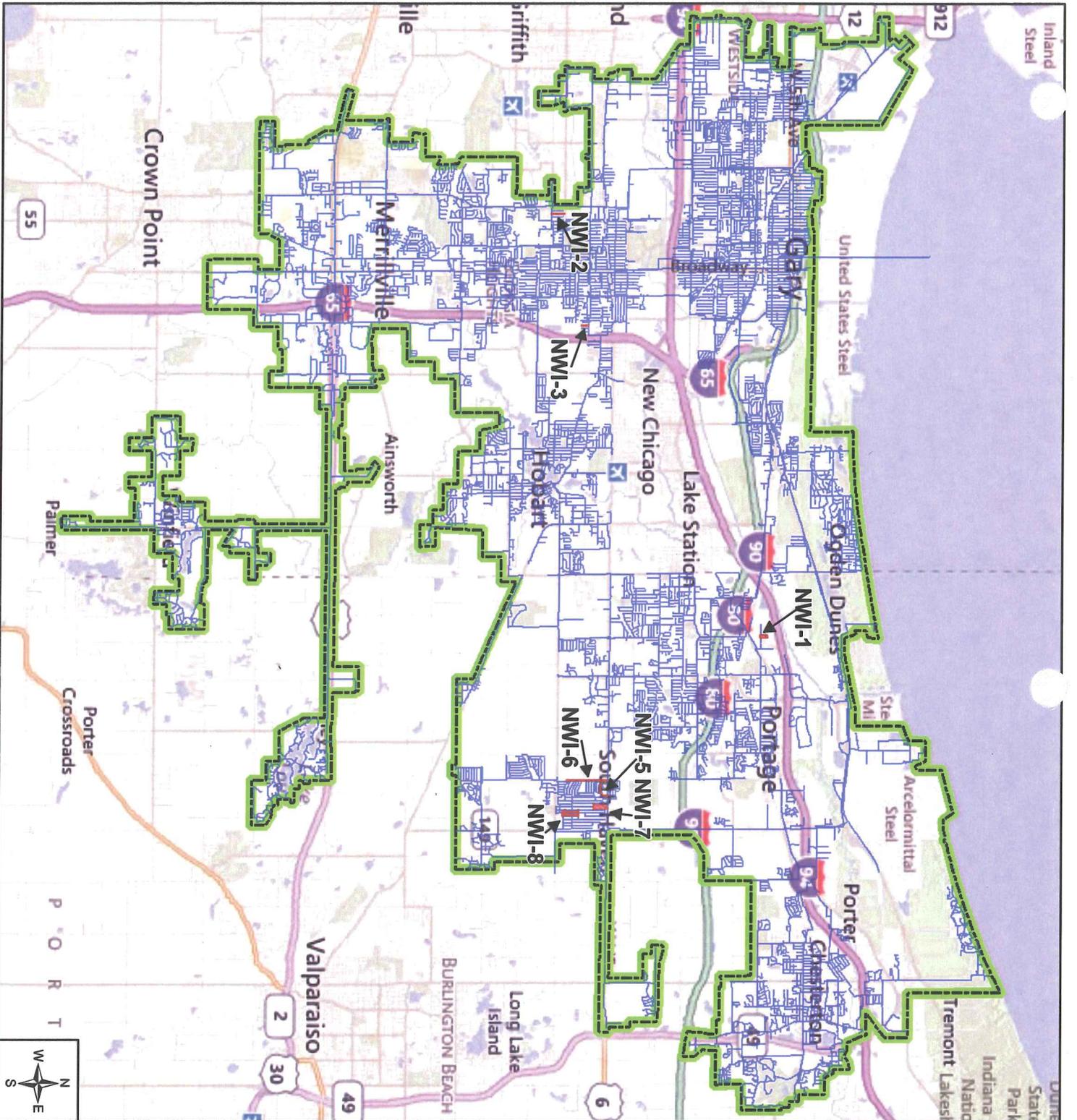
The proposed water main replacement project will occur within the rights-of-way beneath or immediately adjacent to roads that have been previously disturbed. The construction width should

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 9, 2013 at 5:30 p.m. at the Gary office of Indiana American Water. No written comments were received in the 5-day period following the hearing.



 <p>INDIANA AMERICAN WATER Northwest District Revised June 28, 2013</p>	<p>Northwest, Indiana Service Area</p>	<p>0 5,500 11,000 22,000 Feet SCALE: 1" = 13,500'</p>	<p>Legend</p> <ul style="list-style-type: none">  Project Location  Service Area 	
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Figure 1

Portage Township (10001-037)

(Porter Co)
NW 1, 5-8



Portage Township is located in the northwest corner of Porter County. Its northern section borders on Lake Michigan and consists of sandy hills which are bounded on the south by the Little Calumet River. South of the river is a level prairie with rich soil that attracted early inhabitants to the area. The first settlers were the families of Jacob Wolf, Berrett Dorr and Reuben Hurthurt who arrived in the spring of 1834. The township was created by the organization and division of Porter County in 1836 and was probably named for the former home of early settlers from Portage County, Ohio.

Early villages were located along the railroad lines which have crossed the township since the middle of the nineteenth century. Crisman was laid out by its namesake, B. G. Crisman, along the Michigan Central line. A post office was set up here in 1871 and the community had the first store in the area. McCool, named for a pioneer family, was located in a triangle between the Baltimore and Ohio and two other early lines. Small businesses located here and by 1910 the two villages were of comparable size although both now remain only as crossroads. A small station called Dune Park was also erected a mile and a half south of Lake Michigan on the Lake Shore and Michigan Southern line. This site also never grew into a viable community and is now the site for the Port of Indiana. Today's communities include Portage, Ogden Dunes and South Haven, all begun and organized in the twentieth century.

A variety of structures remain as evidence of the township's early settlers and communities. The Italianate-style Josephus Wolf House (100034), built in 1875, and the Elmer E. Wolf House (100037), erected 15 years later, are outstanding examples of one early family who prospered and built prestigious homes in the township. School buildings in Crisman (100008, 100009) and McCool (100012) show the ongoing interest in erecting substantial structures for children's education in these early communities. Fine examples of the township's agricultural heritage are

Figure 2: from the Porter County Interim Report Historic Sites and Structures Inventory

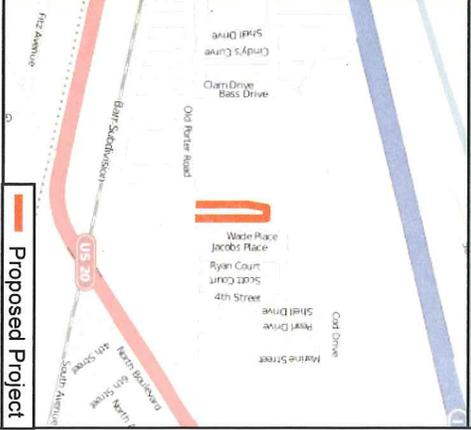
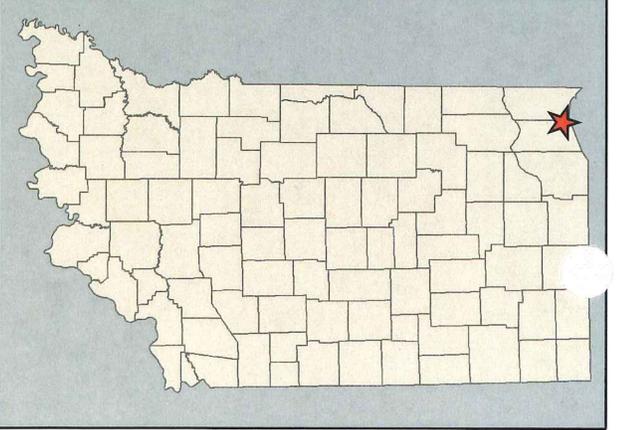


Project Location
 Proposed Project Replacement
 Proposed New

Project Description:
 Install approximately 2,000 feet of 6" ductile iron water main. Existing galvanized water main will be abandoned in place. Main will be installed within asphalt roadway under previously disturbed land.



SCALE: 1" = 233'



Project Area Map
 NW1-1
 Cottonwood Mobile Home Park
 Portage, Indiana

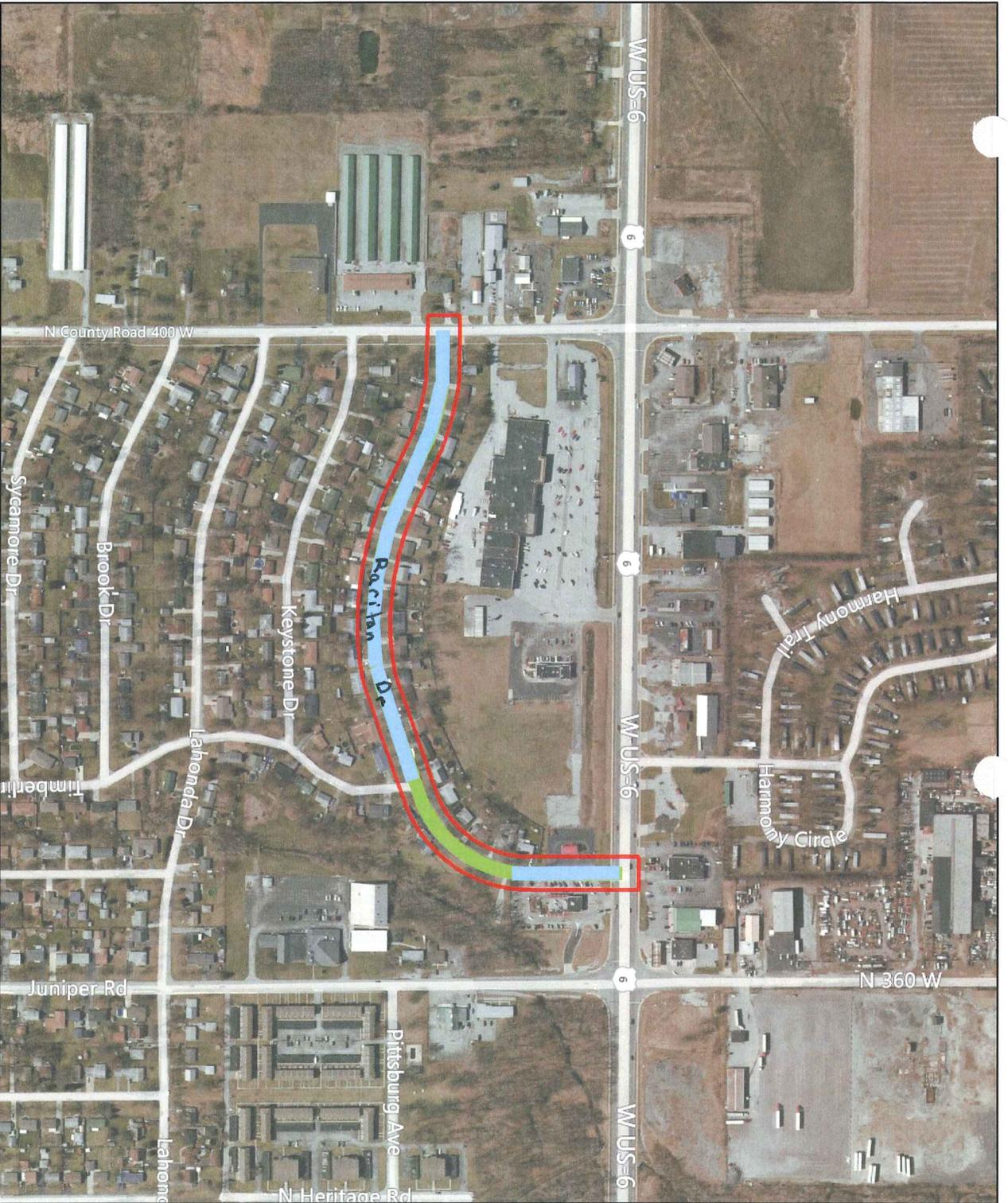


INDIANA
 AMERICAN WATER

Northwest District

Revised August 2, 2013

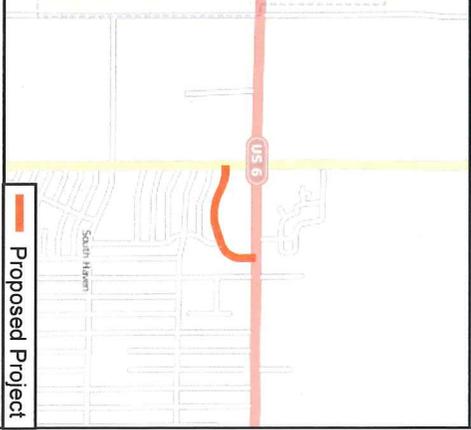
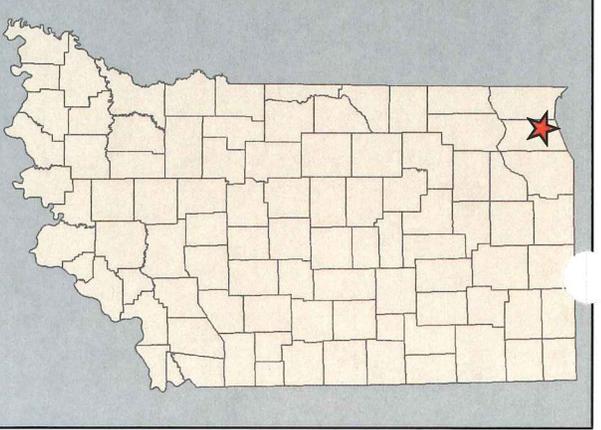
Figure 3



Project Location
 Proposed Project Replacement
 Proposed New

Project Description:

Install approximately 300 feet of 8" ductile iron water main to replace the existing 6" cast iron main and extend the proposed 8" ductile iron main approximately 200 feet north to W US-6, and approximately 900 feet west to N County Road 400 W. Main will be installed within the grass area under previously disturbed land.



Project Area Map
 NWI-5
 Raritan Drive
 South Haven, Indiana



SCALE: 1" = 433'



Northwest District

Revised August 2, 2013

Figure 4

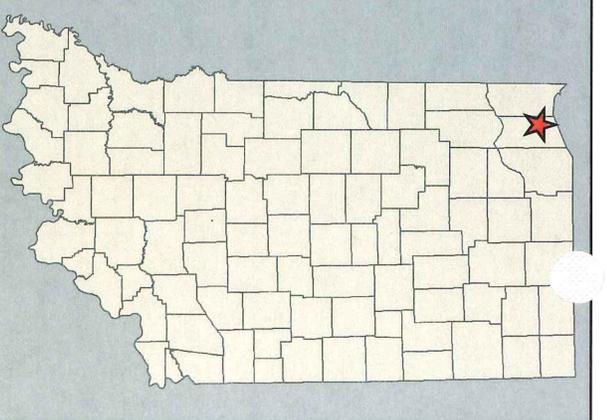


- Project Location
- Proposed Project Replacement
- Proposed New

Project Description:
 Install approximately 3,977 feet of 12" ductile iron water main to replace the existing 6" cast iron main and extend the proposed 12" ductile iron main approximately 100 feet north to W US 6. Main will be installed within the grass area under previously disturbed land.

0 560 1,100 2,200
 Feet

SCALE: 1" = 1,283'



Project Area Map
 NWI-6
 McCool Road
 South Haven, Indiana



INDIANA
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Northwest District

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Figure 5



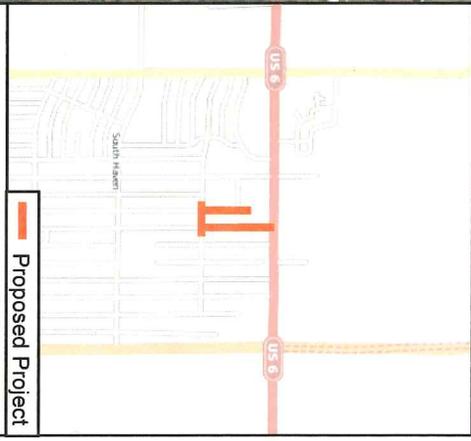
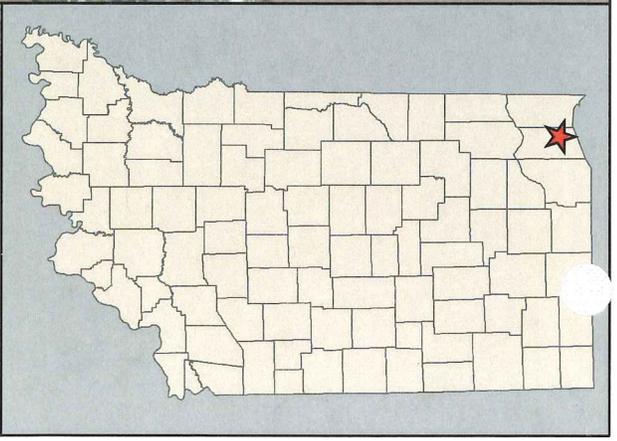
Project Location
 Proposed Project Replacement
 Proposed New

Project Description:

New 8" ductile iron water main, approximately 3,050 feet, will be installed along Governor Road from US 6 to Lakhonda Drive and N Heritage Rd from Pittsburg Ave to Lakhonda Drive and along Lakhonda Drive. The project will be constructed in the grass strip next to the road in previously disturbed land. Existing mains to be abandoned in place.



SCALE: 1" = 467'



Project Area Map
 NWI-7
 Governor Road
 South Haven, Indiana



INDIANA
AMERICAN WATER

Northwest District

Revised August 2, 2013

Figure 6

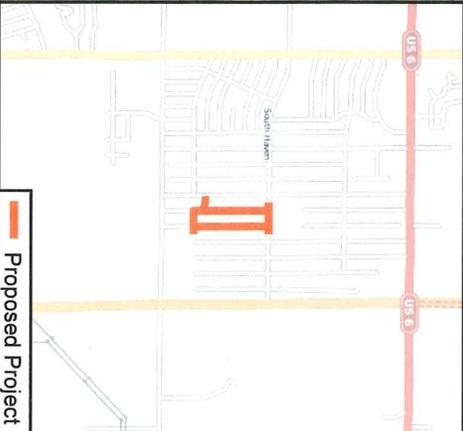
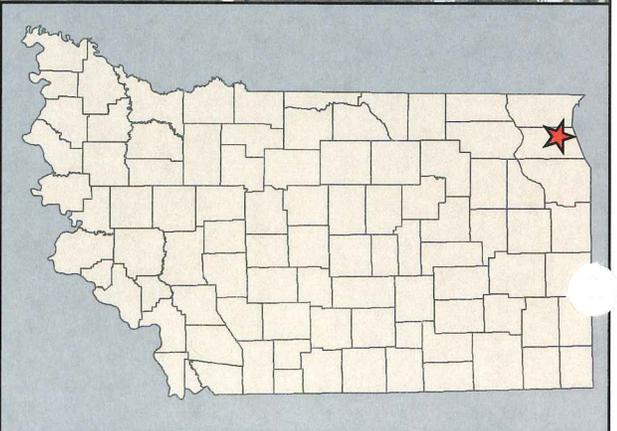


Project Location
 Proposed Project Replacement
 Proposed New

Project Description:
 New 8" ductile iron water main, approximately 4,500 feet, will be installed along Eagle Creek Rd from Midway Dr to Pinewood Dr and Fox River Rd from Midway Dr to Pinewood Dr and along Midway Dr and Pinewood Dr. The project will be constructed in the grass strip next to the road in previously disturbed land. Existing mains to be abandoned in place.



SCALE: 1" = 517'



Proposed Project

Project Area Map
 NW1-8
 Eagle Creek Road
 South Haven, Indiana



INDIANA
AMERICAN WATER

Northwest District

Revised August 2, 2013

Figure 7

Calumet Township (05001-050)

NWI-2

Figure NWI-2.8
Historic Map 2

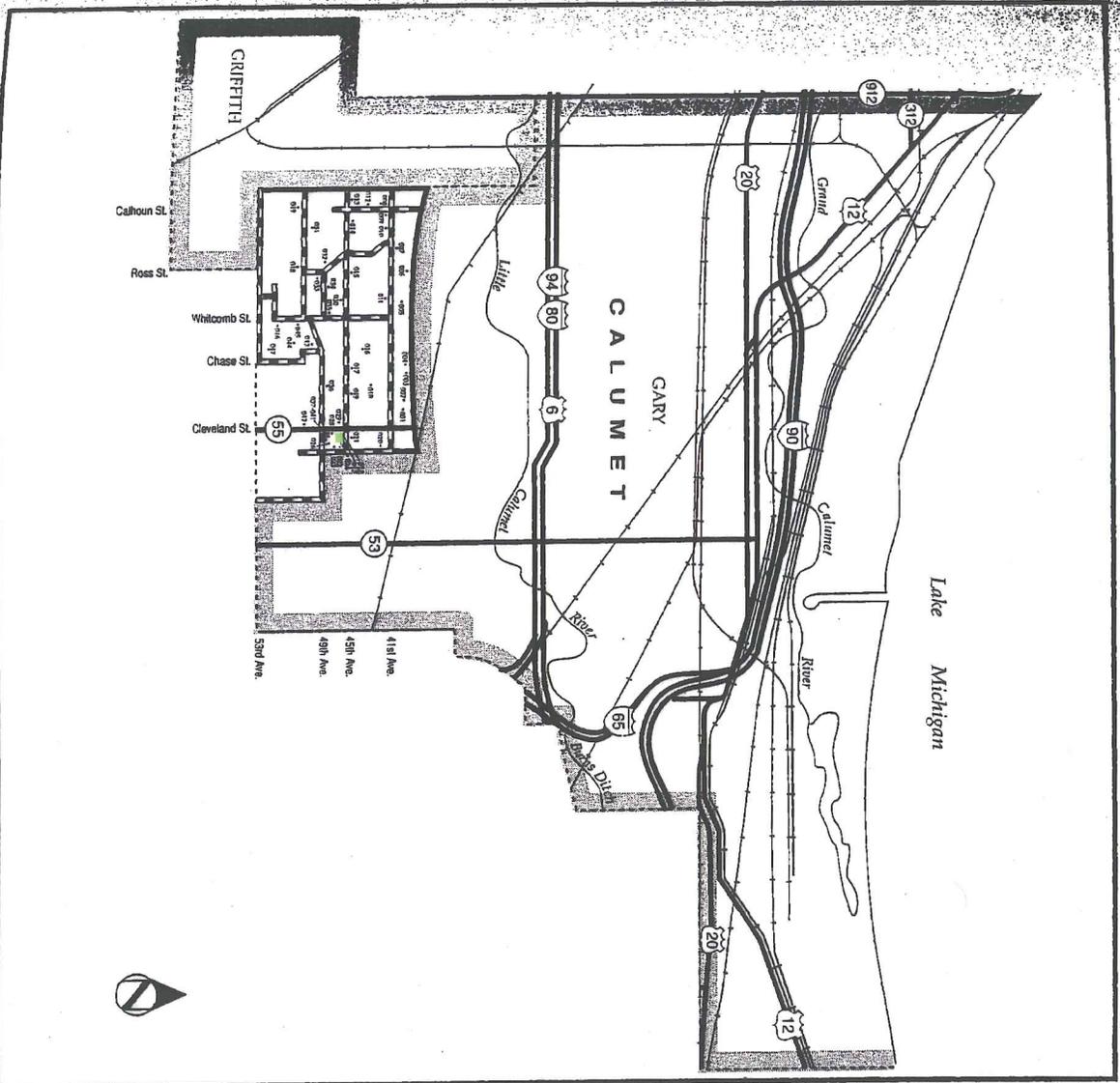


Figure 8: From the Lake County Interim Report Historic Sites and Structures Inventory

Calumet Township is located in the center of Lake County's Calumet Region. The township was organized in 1846 and was named for the river which bisects the area. Calumet Township's location and terrain figured prominently in its development. The large expanses of swampland and dunes, although not conducive to farming, attracted industrial development. Combined with the area's access to Lake Michigan and proximity to Chicago, Calumet Township evolved into the hub of Lake County's industrial activity.

Dominating the township's physical and economic development is the city of Gary. Founded in 1906 by The United States Steel Corporation, this urban center encompasses much of Calumet Township. Other communities included within the township include the railroad community of Miller, founded during the mid 1800s; Tolleston, established in 1851 as a German community; Glen Park, an early twentieth century Gary suburb; and Ross, the only community not included within the present day Gary city limits.

William Ross, one of the county's earliest settlers, gave the community its name. When the Michigan Central Railroad built its tracks through the area during the 1850s, the population increased and the village developed as an agricultural community. With the founding, then the rapid expansion of Gary, much of the area's limited agricultural base was lost and Ross evolved into an extension of Gary's suburbs.

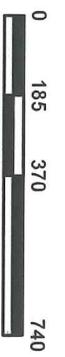
Few resources remain that were associated with Ross. The farm at 4524 West 47th Avenue (05034) and the Ross Cemetery (05047) serve as reminders of this small town. Much of the township's remaining architecture reflects the early twentieth century suburban growth. The houses at 4636 and 4601 Hayes Street (05039, 05040) typify the township's Revival Style cottages. The two houses



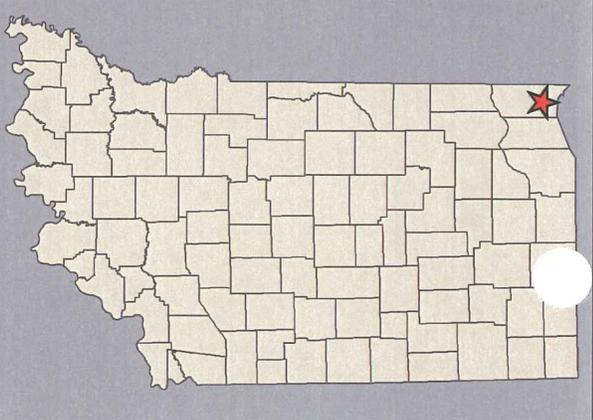
Project Description:

Install 1,250 feet of 6" ductile iron water main to replace 6" cast iron main.
 Main will be installed in grass area of Right-of-Way.

Project Location Proposed Project



SCALE: 1" = 417'



Project Area Map
 NWI-2
 Garfield Street
 Gary, Indiana



INDIANA
 AMERICAN WATER

Northwest District

Figure 9

Hobart Township (00001-039)

Lake Co
NW I-3

Figure NWI-3.8
Historic Map 2

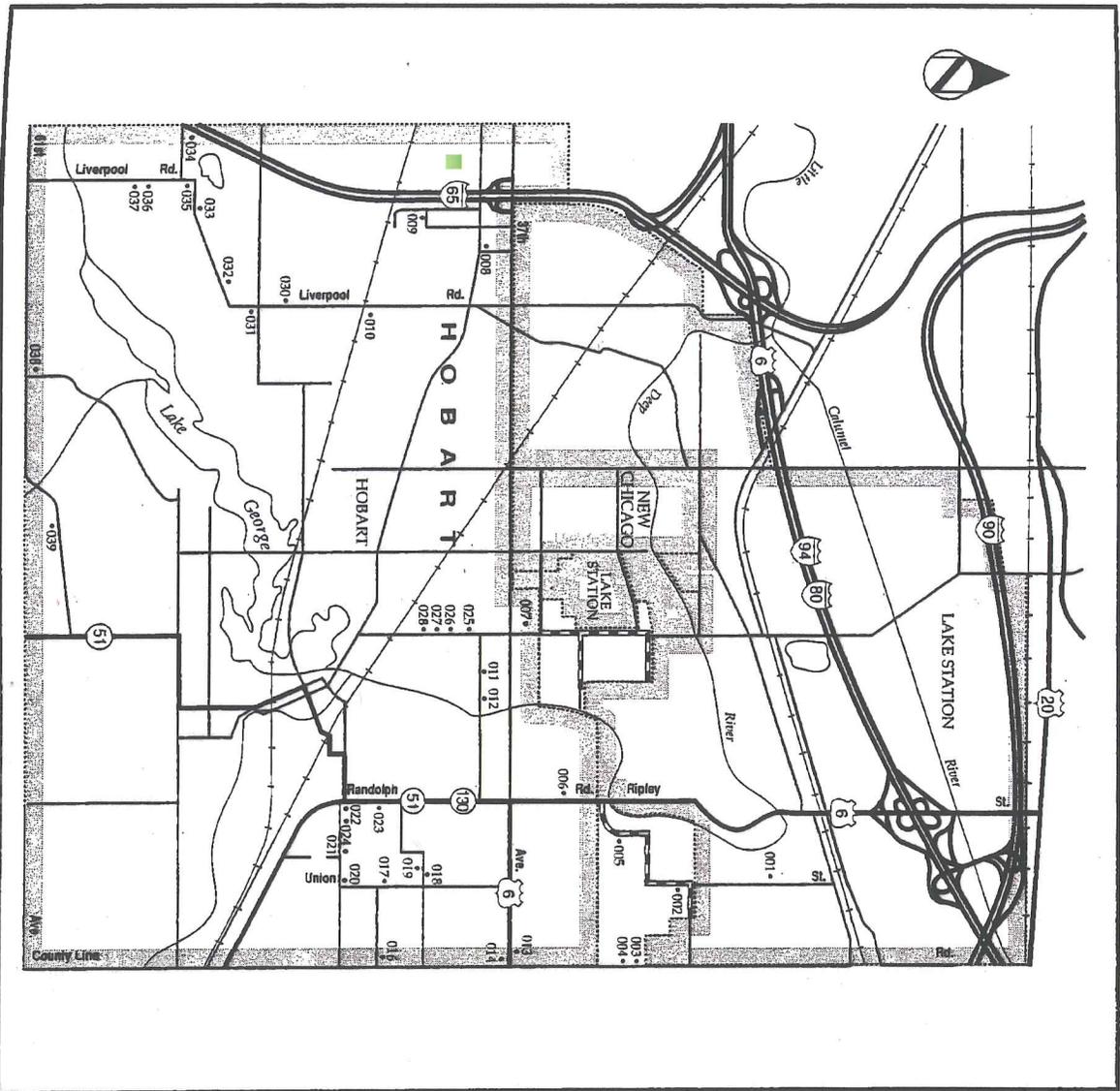


Figure 10: From the Lake County Interim Report Historic Sites and Structures Inventory

Hobart Township is located in the northeast corner of Lake County. Organized in 1849, the township was named for the town of Hobart. Originally, the area was heavily timbered, however, as the land was cleared, its suitability for farming attracted many settlers to the area. Ready access to the Deep River, the township's primary waterway, also promoted settlement activity.

It was along the banks of the river that the township's first village was established. Liverpool was platted in 1836 by three investors who were attracted to the area by the river as well as access to timber. By the following year, two major stagecoach routes passed through Liverpool and in 1839, the county courthouse was built in town, although this designation was short lived. However, as the area's only community, Liverpool did develop as a shipping point for lumber and other goods from the surrounding region.

Just five miles east of Liverpool, George Earle built a dam across the Deep River and in 1846, he opened a sawmill and a gristmill. In 1847 Earle moved the post office from Liverpool to Hobart. A settlement grew around the mills, and in 1849, Earle platted the new town of Hobart. As Hobart steadily grew, Liverpool's fortunes declined until the village eventually faded away.

Few historic resources remain from the township's formative years. The farm at 4795 East 53rd Avenue (00034) is one of the few mid-nineteenth century farmsteads remaining in the area. The house on Randolph Street (00006) dates from 1849.

The opening of the first of three railroad lines through Hobart Township during the 1850s, had a major impact on the area's economy. The lines were not only responsible for the founding of new communities such as Lake Station, laid out in 1852, but these new transportation routes gave the township's farmers access to distant markets, including the lucrative Chicago area, where their crops and livestock were in demand.

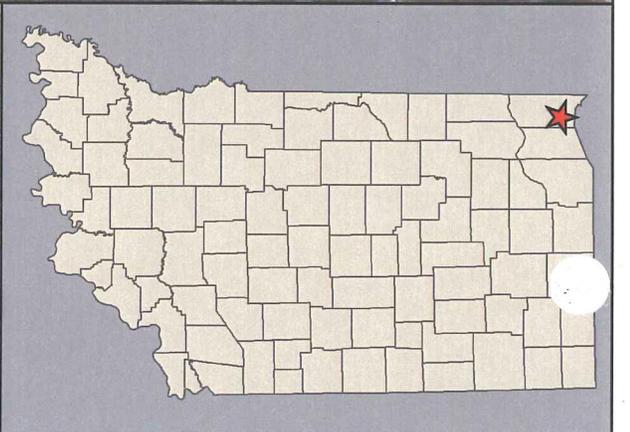


Project Description:
 Install 700 feet of 8" ductile iron water main to replace 6" cast iron main.
 Main will be installed under sidewalk.

 Project Location  Proposed Project



SCALE: 1" = 242'



Project Area Map
 NWI-3
 Swift Street
 Merrillville, Indiana



INDIANA
AMERICAN WATER
 Northwest District

Figure 11