



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

### PRELIMINARY DECISION OF CATEGORICAL EXCLUSION

TO ALL INTERESTED CITIZENS, ORGANIZATIONS AND GOVERNMENT AGENCIES:

**TOWN OF NORTH WEBSTER, INDIANA  
Wastewater Improvements Project  
SRF # WW 14 26 43 01**

**Date: September 12, 2014**

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in the town's Preliminary Engineering Report received by the SRF on June 5, 2014, 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@ifa.in.gov](mailto:adouglas@ifa.in.gov)

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## CATEGORICAL EXCLUSION

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### I. PROJECT IDENTIFICATION

Project Name and Address:                   **Wastewater Improvements Project**  
Town of North Webster  
144 S. Main Street  
North Webster, IN 46555

SRF Project Number:                         WW 14 26 43 01

Authorized Representative:                 Mr. Jon Stroufe, Town Council President

### II. PROJECT LOCATION

The proposed project is located in the Town of North Webster in the Fort Wayne USGS 7.5' quadrangle, Township 33 N , Range 7 E, Sections 10, 11, 14, and 15 in Kosciusko County, Tippecanoe Township. See Figure 1.

### III. PROJECT NEED AND PURPOSE

The purpose of the project is increase the Wastewater Treatment Plant (WWTP) capacity to accommodate flows from the nearby community of Knapp Lake, which intends to connect to North Webster's WWTP in the near future. The original WWTP was installed in the 1970's and a number of mechanical components are in need of replacement and rehabilitation due to age and condition. The collection system was also installed in the 1970's and contains sewer segments that are undersized. Those segments will be replaced with larger diameter pipe to accommodate flow. The system currently includes 25 lift stations which will either be replaced or rehabilitated.

#### Wastewater Treatment Plant Upgrades (Figure 2)

- Installation of an additional clarifier and rehabilitation of the existing clarifiers;
- Replacement of the three blowers with blowers with VFD's;
- Installation of a new dissolved oxygen probe;
- Installation of four fine bubble diffusers;
- Pave over unused drying sludge beds No. 11 and 12;
- Abandon, fill, and cap five small digesters;
- Rehabilitate the Lab/Control Buildings including new rooms for the chlorine and chemicals and a new office space. The lab/control building will be modified to house the lab only; and
- Installation of a new chemical feed for phosphorus removal.

#### Collection System Improvements (Figure 3)

- Sewer System
  - Replace approximately 2,000 LF of 6-inch ductile iron pipe with 10-inch PVC pipe via open-cut installation; and

- Replace approximately 2,100 LF of 8 and 10-inch pipe with 10-inch PVC pipe via pipe-bursting.
- Lift Stations
  - LS#10 – Pump and control replacement. Installation of a back-up power source;
  - Entire replacement of LS#2, 3, 4, 8 and 9 due to the problems with the units and the extent of repairs required;
  - Installation of quick disconnects on all 25 lift stations;
  - Rehabilitation of 20 lift stations including the installation of guide rails, hatch covers, electrical repairs, addition of pumps, valve vaults, alarms and controls as well as conversion from wetwell/drywell configuration to submersible configuration, depending on each lift stations individual needs; and
  - Installation of a dialer alarm system to monitor all lift stations.

The “no action” alternative was considered and was determined to be not feasible. If no action is taken, the Town will not be in compliance with IDEM regulatory requirements.

#### IV. ESTIMATED PROJECT COST, AFFORDABILITY AND FUNDING

<b>Construction</b>	<b>Estimated Cost</b>
WWTP Upgrades	\$1,125,000
Collection System Upgrades	<u>\$1,372,650</u>
Construction Sub-Total	2,497,650
Contingency (10%)	<u>\$249,765</u>
<b>Construction Total</b>	<b>\$2,747,415</b>
<b>Non-Construction</b>	<b>Estimated Cost</b>
Administrative, Legal, Bond	\$100,000
Engineering Fees	
Design	\$244,000
Construction	\$10,000
Permitting, Administration	\$15,000
Preliminary Engineering Report	\$20,000
Project Inspection	<u>\$107,000</u>
<b>Non-Construction Cost</b>	<b>\$496,000</b>
<b>Total Estimated Project Cost</b>	<b>\$3,243,415</b>

Total cost of this project is estimated to be approximately \$3,242,415. North Webster will fund the project with a loan from the State Revolving Fund (SRF) for a 20-year term at an annual interest rate to be determined at 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

All work will occur in areas previously disturbed by construction of the WWTP and collection system. The project will not affect wetlands, wooded areas, surface waters, endangered species, the 100-year floodplain or prime farmland.

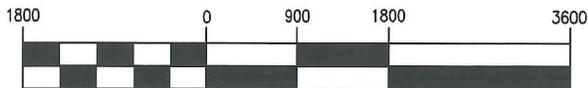
Construction and operation of the project will not alter, demolish, or remove historic properties; see Figures 4 and 5. If any visual or audible impacts to historic properties occur, they will be temporary and will not alter the characteristics that qualify such properties for inclusion in or eligibility 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**

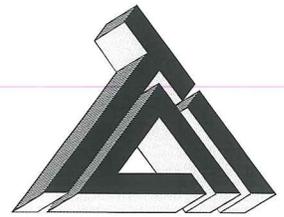
A properly advertised public hearing was held at 6:00 pm on Tuesday March 4, 2014, at the North Webster Community Center located at 301 N. Main Street in North Webster to discuss the Preliminary Engineering Report describing the project. No written comments were received.



**TOWN OF NORTH WEBSTER, IN  
PROJECT AREA**



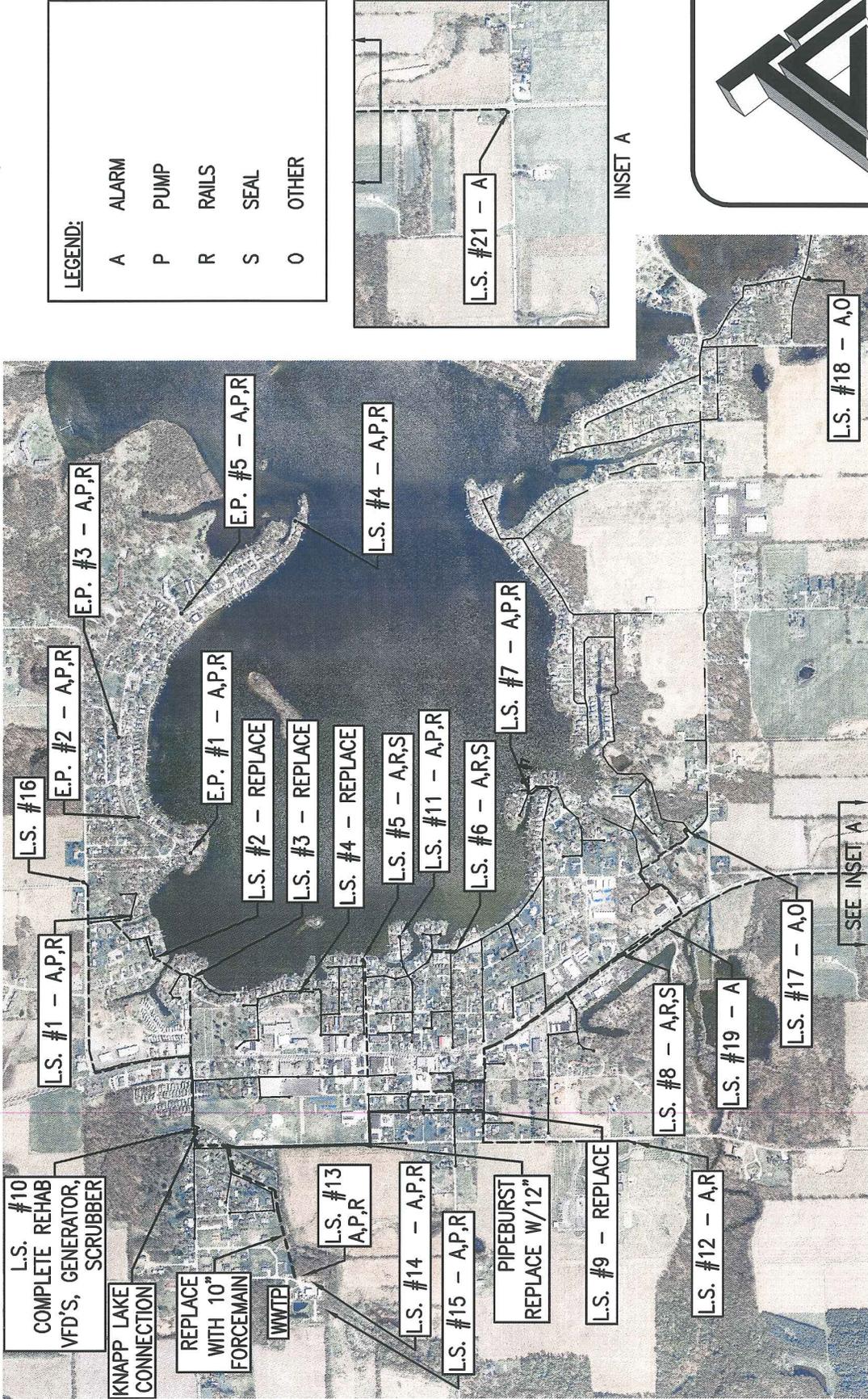
1 inch = 1800 ft.



**TRIAD ASSOCIATES INC.**  
5835 LAWTON LOOP EAST DRIVE  
INDIANAPOLIS, INDIANA 46216  
PHONE: 317-377-5230 FAX: 317-377-5241

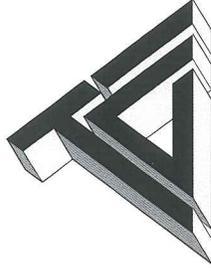
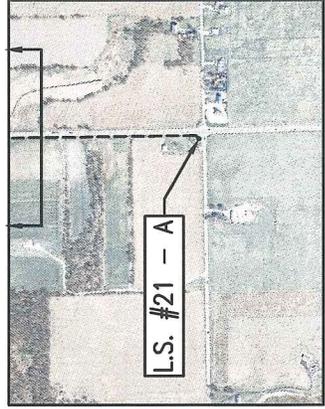
**WASTEWATER PER  
Figure 1**





**LEGEND:**

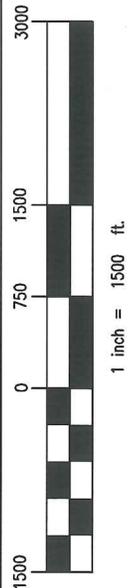
- A ALARM
- P PUMP
- R RAILS
- S SEAL
- O OTHER



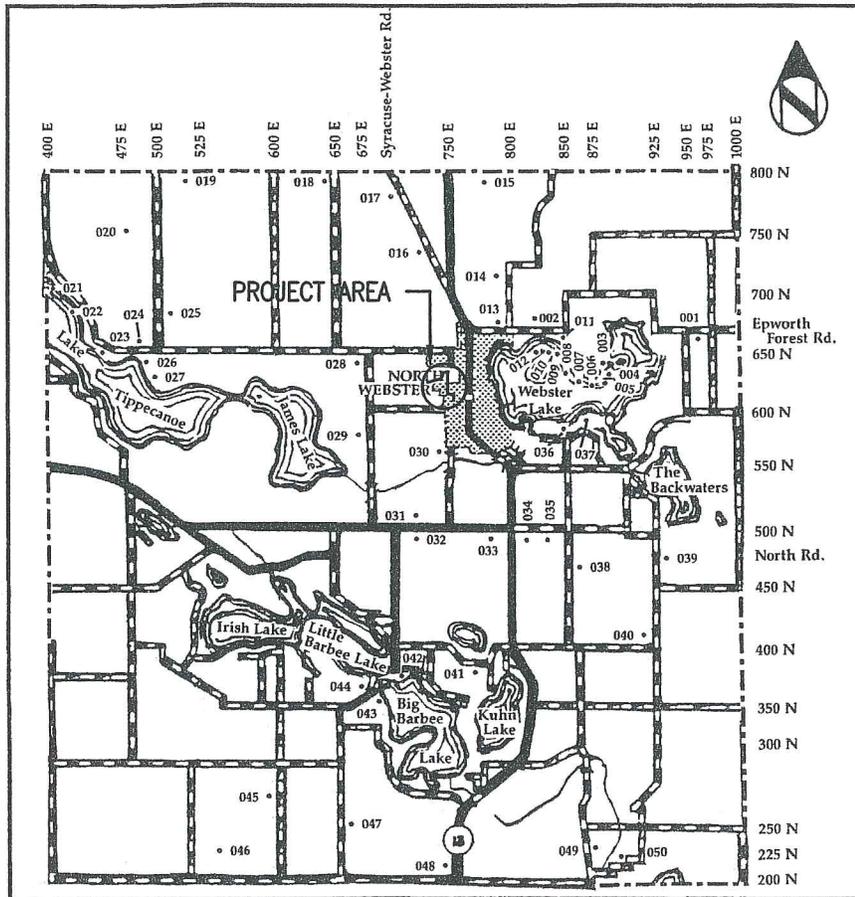
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**WASTEWATER PER  
 Figure 3**

**TOWN OF NORTH WEBSTER, IN  
 PROPOSED LIFT STATION & COLLECTION SYSTEM IMPROVEMENTS**



# Tippecanoe Township (35001-050)



Tippecanoe Township is an area of lakes and marshes in the northeast section of the county. The first white settlers arrived in 1834-35 and located near Webster Lake. The first cabin in the township was built there by Ephraim Muirhead. Muirhead also built the township's first sawmill in 1836 and the first gristmill a year later. A road from White Pigeon, Michigan to Huntington, Indiana was surveyed through the area around the same time linking the new inhabitants of the area with the outside world. The township was officially organized in March 1838.

Resort lakes including most of Tippecanoe Lake, Webster Lake (formerly Boydston Lake) and a chain of lakes known as the Barbees have been a major influence on the township's development. Tippecanoe Lake is the state's third largest and is the headwaters of the Tippecanoe River. A clubhouse for fishermen was built on its south shore in the 1880s. This structure no longer exists. The lake and its surrounding waters developed as a popular summer resort area after the turn of the century. Campgrounds, hotels and cabins were built when the population increased dramatically after the two World Wars. Webster Lake had a series of excursion boat businesses beginning with the steam-powered "City of Webster" in 1906. The township continues to be an area of bustling summer recreation.

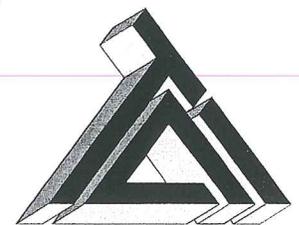
As in other parts of the county, the township is also an area of farms and agriculture. The nineteenth-century tradition can be seen on the Enoch Ebie Farm (35020) with its T-plan house and collection of outbuildings, and a farm (35016) on the Syracuse-North Webster Road. Farming here in the early twentieth century is represented by the L. N. House Farm (35019).

Resort architecture is an integral and very visible part of Tippecanoe Township's architectural heritage from the nineteenth into the present century. Early visitors to James Lake (the upper basin of Lake Tippecanoe) could stay at the Baugher

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## TOWN OF NORTH WEBSTER, IN INTERIM REPORT

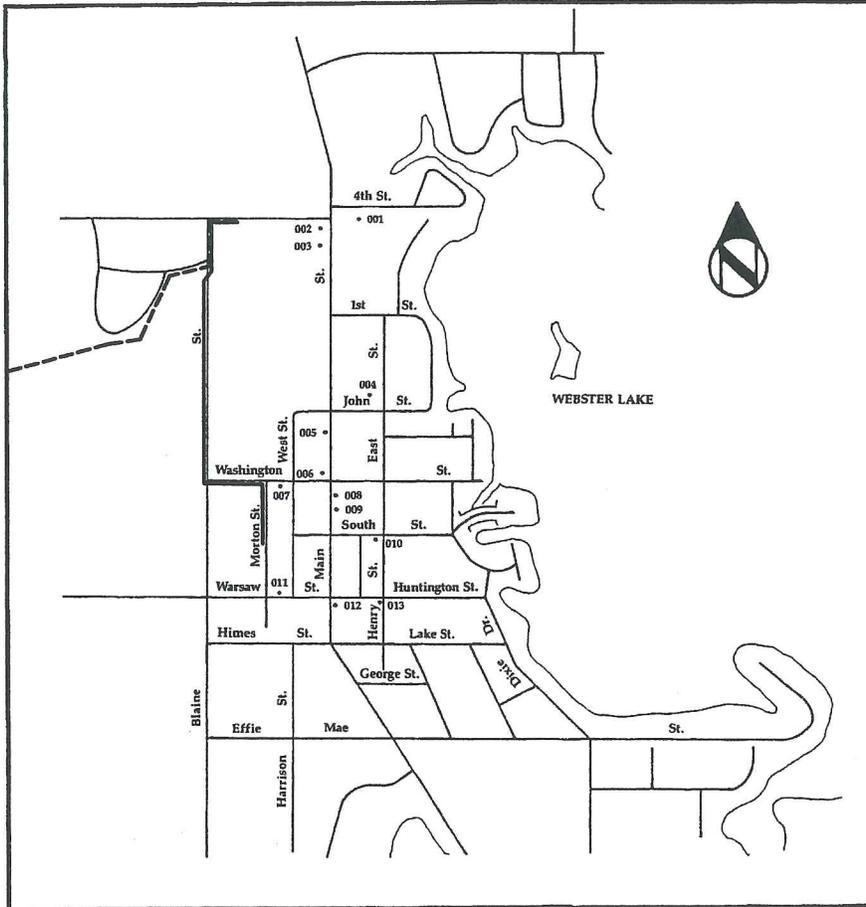
SCALE: NONE



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WASTEWATER PER  
**Figure 4**

## North Webster Scattered Sites (36001-013)



The village of North Webster was laid out in 1837 by R. R. Shoemaker. It was originally called Webster in honor of the New England politician, Daniel Webster. It eventually took the name of its post office, North Webster, which was moved to the village in 1879 from its location a mile east. The first merchant in the village was Henderson Warner who opened a store in 1849. The village was incorporated in 1937.

Located on the west side of what is now Webster Lake, the town originally served as a supply center for the surrounding area. Although North Webster was not located on a railroad line, the merchants were able to provide general goods and banking services to area farmers. As the township grew into a popular resort area, the town served the same function for summer residents. It has remained a small community and has grown little beyond its original boundaries.

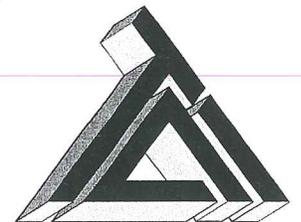
The village retains two fine examples of early nineteenth century Greek Revival architecture—a school and a commercial building. The Warner School (36004) is located behind the current North Webster School on East John Street. It was built in 1838 and was the first schoolhouse in the township. It has been extensively renovated and moved from south of town to its current location. The Bockman Store (36006) on North Main Street has been owned and operated by six generations of the Bockman family. It is one of the best examples of commercial architecture of its kind in the county.

Two adjacent houses on North Main Street recall both centuries of domestic life in the village. A late nineteenth century gabled-ell house (36002), now an antique store, is a stylist vernacular interpretation of the Queen Anne style. Next door stands a somewhat humbler example of the Bungalow style (36003) popular in the early years of this century.

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## TOWN OF NORTH WEBSTER, IN SCATTERED SITES

SCALE: NONE



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**WASTEWATER PER  
Figure 5**