



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

### PRELIMINARY DECISION OF CATEGORICAL EXCLUSION

TO ALL INTERESTED CITIZENS, ORGANIZATIONS AND GOVERNMENT AGENCIES:

**CITY OF MITCHELL  
WASTEWATER TREATMENT PLANT IMPROVEMENTS PROJECT  
SRF PROJECT # WW 14 20 47 01**

**Date: October 24, 2014**

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in Mitchell'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@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 Treatment Plant Improvements**  
City of Mitchell  
407 South 6<sup>th</sup> Street,  
Mitchell, IN 47446

SRF Project Number: WW 14 20 47 01

Authorized Representative: Mayor Gary L. Pruett

### II. PROJECT LOCATION

The proposed project is located at the Mitchell Wastewater Treatment Plant (WWTP). The project area is located in Township 4N, Range 1W, Section 36 in Marion Township in Lawrence County. See Figure 1.

### III. PROJECT NEED AND PURPOSE

Improvements will be made to the Mitchell WWTP as shown on Figure 2. The improvements are needed to replace equipment that has served its useful life and to increase the peak treatment capacity of the WWTP to mitigate future sanitary sewer overflows from the existing equalization basin during large wet weather events. The proposed project generally consists of the following:

- Construction of a new influent channel and mechanically cleaned fine screen, including freeze protection and a roof type shelter,
- Rerouting of the effluent force main from the Equalization Basin Lift Station to downstream of the influent flow meter,
- Replacement and enlargement of the influent flow meter and associated piping,
- Installation of a new flow meter between the Equalization Basin and the Chlorine Contact Tank,
- Replacement of equipment on the existing primary and final clarifiers including scum arms, scum beaches, scum baffles, and weir plates,
- Installation of three oxygen sensors, variable frequency drives on the rotor motors, and construction of a new effluent box in the Oxidation Ditch,
- Replacement of equipment in the Oxidation Ditch including ditch rotor gear boxes and motors, a broken baffle in the middle channel, and three rows of brushes in the inner channel,
- Replacement of the sodium aluminate piping and controls,
- Construction of a new aerobic digester with coarse bubble aerators,
- Replacement of two existing blowers and installation of one new digester blower including variable frequency drives on the blower motors,

- Replacement of the underground air piping with above ground piping,
- Expansion of the chlorine contact tank to accommodate projected peak flows,
- Replacement of chlorine and sulfur dioxide feed equipment and controls,
- Installation of a SCADA monitoring system,
- Replacement of site lighting,
- Replacement of the existing Waste Activated Sludge and primary sludge flow meters,
- Installation of a new Return Activated Sludge flow meter,
- Installation of a new roof and access hatch on the Sludge Handling Building,
- Installation of electric actuators on digester isolation valves,
- Replacement of the existing air compressor and belt filter press feed pump, and
- An alternate bid for installation of algae covers and sludge density current baffles on the final clarifiers is included.

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

Total cost of this project is estimated to be approximately \$3,969,000.

Construction	\$2,909,000
Construction Contingencies	<u>\$ 262,000</u>
<b>Total Construction</b>	<b>\$3,171,000</b>
Administrative and Legal	\$ 31,100
Financial	\$ 31,000
Engineering Planning	\$ 45,000
Design and Bidding Services	\$ 297,800
Construction Engineering	\$ 126,200
Construction Observation	\$ 134,300
Start Up and Programming	<u>\$ 132,600</u>
Total Non-Construction	\$ 798,000
<b>TOTAL PROJECT COST</b>	<b>\$3,969,000</b>

Mitchell will finance the project with a loan from the SRF Loan Program for a 20-year term at an annual fixed 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.

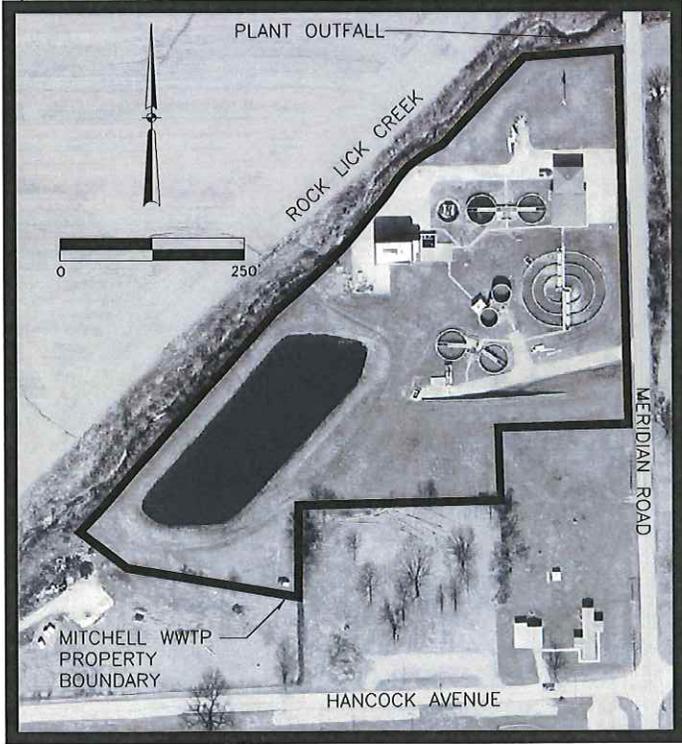
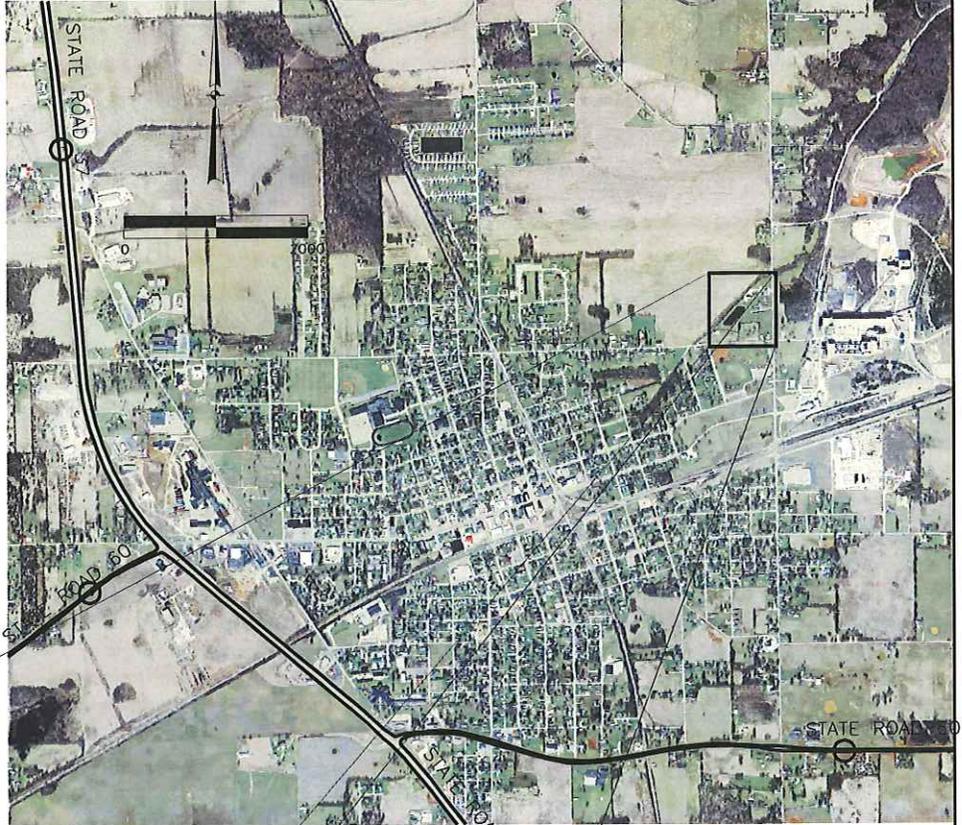
#### V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

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 Section 106 of the National Preservation Act is: "no historic properties affected." See Figure 3.

## **VI. PUBLIC PARTICIPATION**

A properly noticed public hearing was held on May 13, 2014 at 4 pm at the Mitchell City Hall, 407 South 6th Street. No written comments were received in the 5-day period following the hearing.

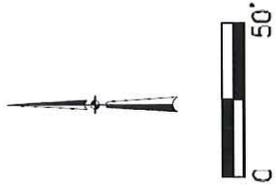
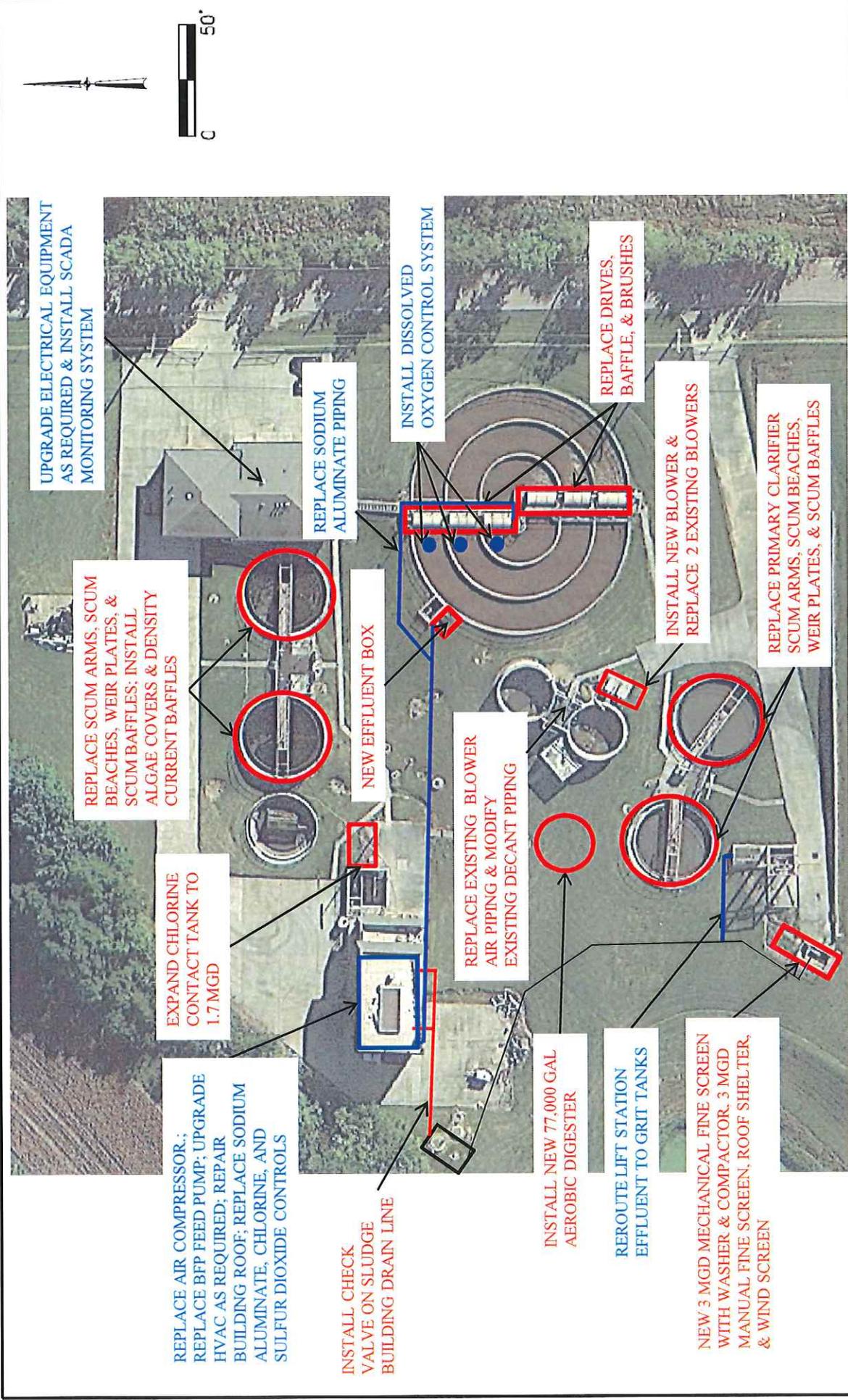
# CITY OF MITCHELL



**FIGURE 1**  
**LOCATION MAP**

CITY OF MITCHELL  
WASTEWATER TREATMENT PLANT IMPROVEMENTS PROJECT  
PRELIMINARY ENGINEERING REPORT

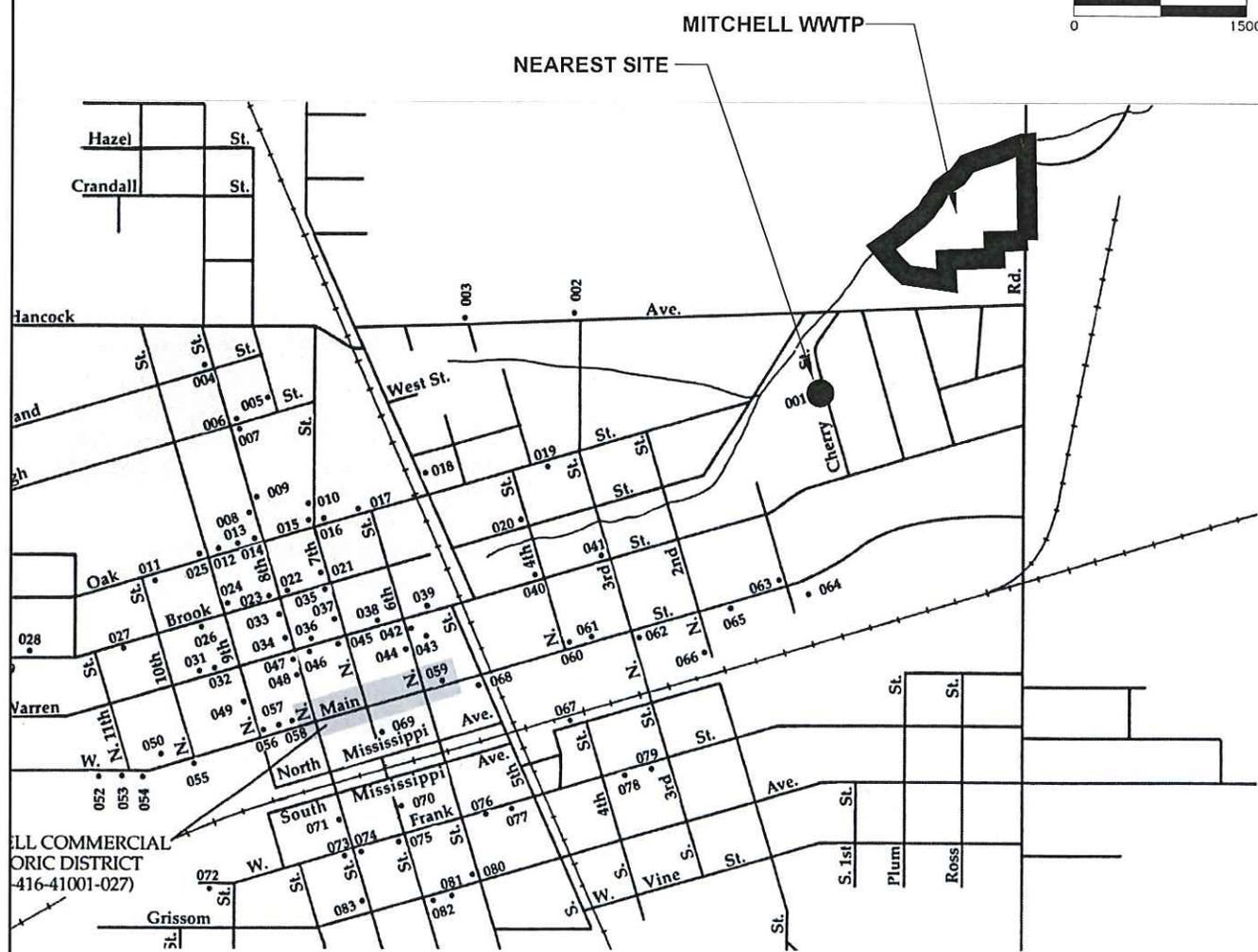




**FIGURE 1**  
**WASTEWATER TREATMENT PLANT IMPROVEMENTS SELECTED PLAN**  
 CITY OF MITCHELL  
 WASTEWATER TREATMENT PLANT IMPROVEMENTS PROJECT  
 PRELIMINARY ENGINEERING REPORT  
 MITCHELL, INDIANA



# Mitchell Scattered Sites (42001-088)



- 001 C House, 225 Cherry Street; Queen Anne Cottage, c.1910; Architecture (416)
- 002 C House, Hancock Avenue; Double-pen, c.1840; Vernacular/Construction (416)
- 063 C House, West Main Street; Double-pen, c.1875; Vernacular/Construction (416)
- 064 C Lehigh Portland Cement Company, East Main Street; Office: Free Classic, 1902; Laboratory: vernacular, c.1900; Garages: vernacular, c.1900; Architecture, Industry, Vernacular/Construction (416)



**FIGURE 3**  
**INTERIM HISTORIC MAP - CITY OF MITCHELL**  
 CITY OF MITCHELL  
 WASTEWATER TREATMENT PLANT IMPROVEMENTS PROJECT  
 PRELIMINARY ENGINEERING REPORT