



## 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 TERRE HAUTE  
WASTEWATER TREATMENT PLANT ADDITIONS AND IMPROVEMENTS  
SRF # WW 10 05 84 01**

**Date: August 30, 2012**

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in the Terre Haute Preliminary Engineering Report for the wastewater treatment plant additions and improvements project 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:

Max Henschen, Senior Environmental Manager  
SRF Programs  
317-232-8623; mhensche at ifa.in.gov

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## CATEGORICAL EXCLUSION

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### I. PROJECT IDENTIFICATION

Project Name and Address:	<b>Wastewater Treatment Plant Additions and Improvements</b> City of Terre Haute 17 Harding Street Terre Haute, Indiana 47807
SRF Project Number:	WW 10 05 84 01
Authorized Representative:	Duke Bennett, Mayor

### II. PROJECT LOCATION

Terre Haute is in Vigo County. The proposed project is located within the property boundaries at the wastewater treatment plant (WWTP) at 3200 South State Road 63. The WWTP is in Honey Creek Township, Section 5, Township 11N, Range 9W, in the Terre Haute USGS 7.5' Quadrangle. See Figure 1.

### III. PROJECT NEED AND PURPOSE

The WWTP is a Class IV 24 million gallons per day (MGD) activated sludge facility. It was constructed in 1963 and has had minor improvements over the years. Although the plant is currently rated at 48 MGD for peak flow, it cannot handle that amount. When the improvements are completed, the new WWTP will still have an average design flow of 24 MGD, and will be able to handle 48 MGD in peak wet weather flow.

The project will update the WWTP to achieve additional wet weather treatment capacity, to replace equipment and processes that have gone beyond their useful life and are no longer cost-effective to operate and maintain, and to increase operational efficiencies.

The additions and improvements will consist of demolition of the operations center, the waste activated sludge and laboratory building, and the sludge and grease lagoons (including proper disposal of the contents of each lagoon). The project also includes construction of a new septage and grease receiving station, a new flow bypass valve vault and junction structure no. 1, improvements to the existing flow equalization basins and flow equalization basin pump station, construction of a new side stream pump station, new blower building with new blowers, four new anoxic tanks, four new aeration tanks, modifications and improvements to four aeration tanks, construction of a new internal recycle pump station and secondary clarifier flow split structure, modifications and improvements to four circular clarifiers, construction of two new circular clarifiers, new return sludge pump building with new return sludge pumps, conversion of the existing sludge pump building to a tank drain pump building, construction of new junction chambers 2 and 3 and plant metering structure, new ultraviolet

(UV) disinfection system , plant water and UV disinfection building, conversion of four primary clarifiers to waste activated sludge storage/holding tanks, construction of a sludge screen in a new sludge screening and waste sludge building, improvements to the digester control building, construction of a new sludge processing building with rotary drum thickener feed pumps, rotary drum thickeners, thickened sludge pumps, polymer feed equipment and centrifuges, installation of four liquid sludge storage tanks and two sludge storage tank buildings with odor control equipment and liquid sludge loading stations, improvements to the secondary control building, improvements to the dewatered sludge storage building, construction of a new plant non-potable water system, new laboratory/administration building, new large-vehicle maintenance building, improvements to the aerobic digester mixing system, and various improvements to the electrical, HVAC, SCADA, and underground piping systems. See Figure 2.

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

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

Wastewater Treatment Plant Additions and Improvements	\$101,900,000
Contingencies	<u>\$ 5,100,000</u>
<b>Total Estimated Construction Cost</b>	<b>\$107,000,000</b>
<b>Non-Construction Costs**</b>	<b><u>\$ 14,800,000</u></b>
<b>Total Estimated Project Cost</b>	<b>\$121,800,000</b>

\*\*includes financial, legal, construction engineering, and construction observation fees

- B. Terre Haute will borrow approximately \$121,800,000 through a 20-year State Revolving Fund (SRF) loan at an 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.

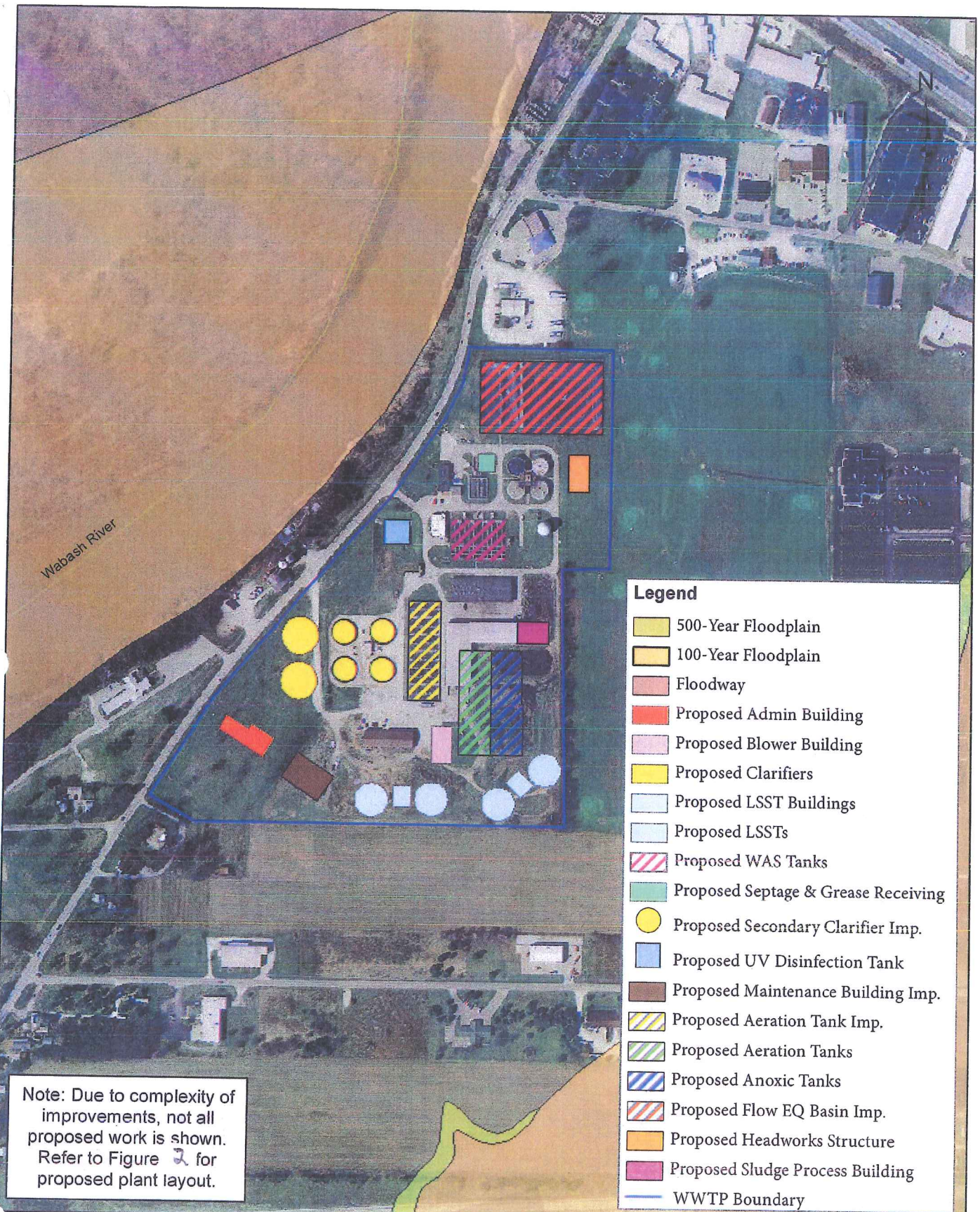
#### V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

All construction will be within the existing wastewater treatment plant property, which has been previously disturbed. Construction and operation of the project will not alter, demolish or remove historic properties; see Figure 3. 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 Historic Preservation Act is: "no historic properties affected."

#### VI. PUBLIC PARTICIPATION

A properly noticed public hearing was held on October 12, 2010, in the Board of Public Works and Safety Board Room in the Terre Haute City Hall at 3:00 pm. The city did not receive written comments during the 5-day public comment period following the public hearing. The project was also discussed at other public hearings and meetings in June and July, 2010.





Note: Due to complexity of improvements, not all proposed work is shown. Refer to Figure 2 for proposed plant layout.

**Figure 1**  
 Terre Haute WWTP Floodplains  
 Source: IndianaMap GIS Atlas (FEMA)

0 125 250 500 Feet



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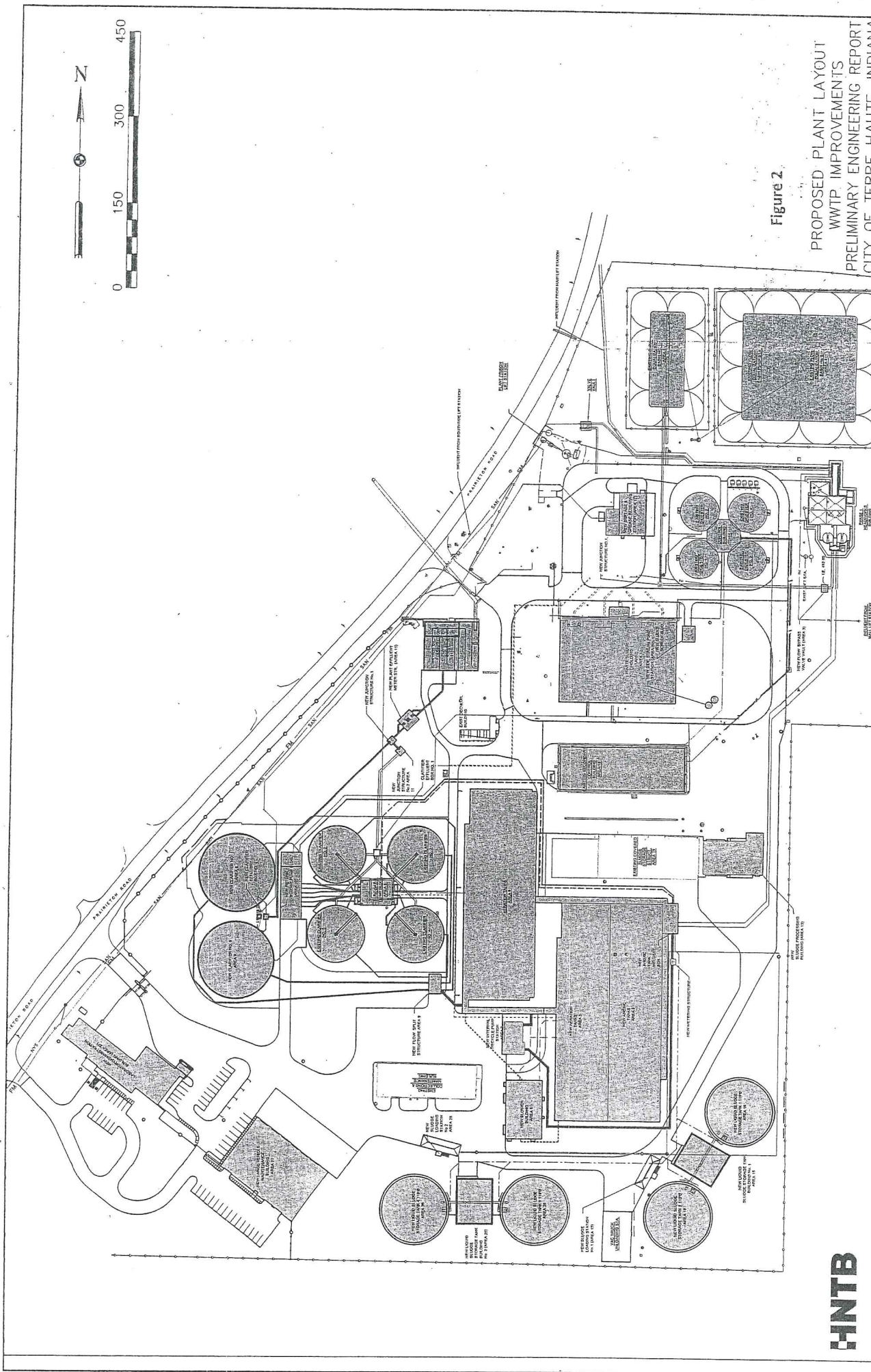
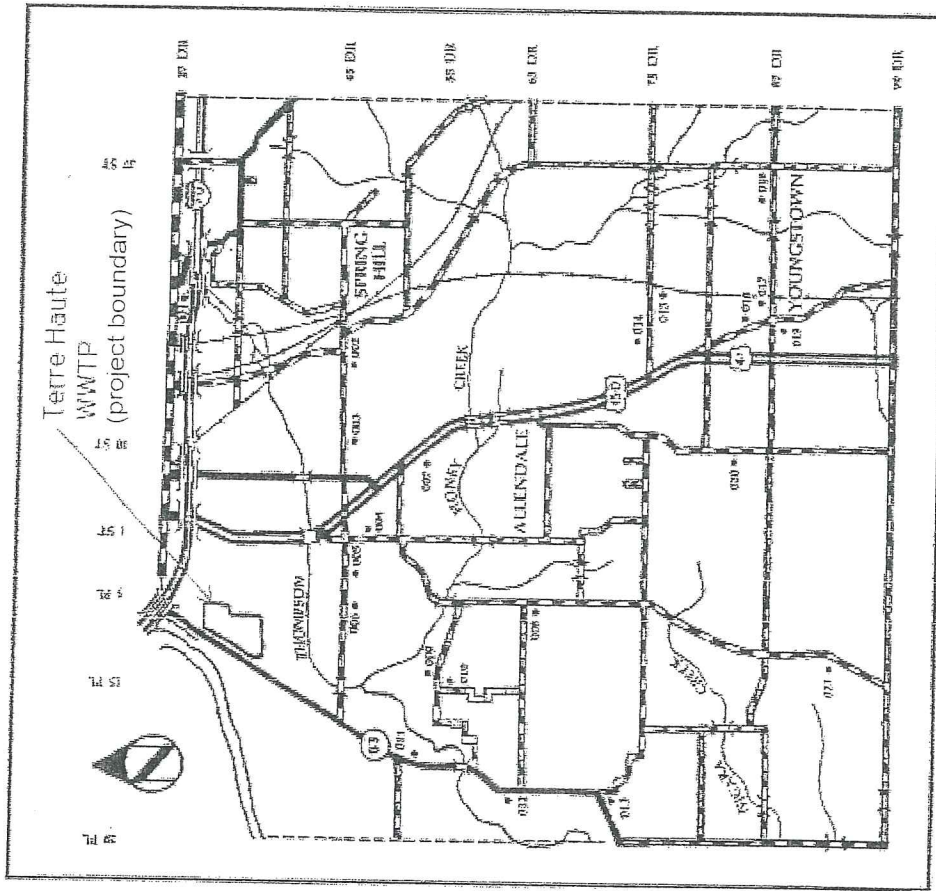


Figure 2.

PROPOSED PLANT LAYOUT  
 WWTP IMPROVEMENTS  
 PRELIMINARY ENGINEERING REPORT  
 CITY OF TERRE HAUTE, INDIANA

# Honey Creek Township (40001-021)

(not to scale)



No.	Reg.	Description
001	N	Farm, 27th Drive, Greek Revival/Colonial Revival, c.1860s; 1920; Architecture (628)
002	N	Klog Farm, 45th Drive; Prairie, c.1930; Architecture (628)
003	N	Maryland School, 46th Drive; Neo-Classical, c.1920; Architecture, Education (628)
004	C	Blockson Farm, First Street; Italianate, c.1880; Architecture (628)
005	C	House, 45th Drive; Colonial Revival, c.1930; Architecture (628)
006	C	Boyer Farm, 45th Drive; Carpenter-Builder/English, c.1880; Architecture (628)
007	C	Boyer Farm, U.S. 41/150; Carpenter-Builder, c.1890; Architecture (628)
008	N	House, 5th Place; Italianate, c.1870; Architecture (628)
009	O	Lambert-Dickson House, 45th Drive; Greek Revival/Italianate, c.1860; Architecture (628)
010	N	Cantrill Farm, Cantrell Road; Italianate, c.1880; Architecture (628)
011	N	Best Farm, State Road 63; Carpenter-Builder/English, c.1900; Architecture (628)
012	N	Fee Farm, State Road 63; Bungalow, c.1920; Architecture (628)
013	C	Pedfit Farm, State Road 63; Bungalow, c.1920; Architecture (628)
014	C	House, 75th Drive; Carpenter-Builder/English, c.1880; Architecture (628)
015	N	Bitter House, 75th Drive; Gothic Revival, c.1870; Architecture (628)
016	C	House, 67th Drive; Carpenter-Builder/English, c.1900; Architecture (628)

Figure 3: from Vigo County Interim Report  
Historic Sites and Structures Inventory