



# State Revolving Fund Loan Programs

## Drinking Water, Wastewater, Nonpoint Source

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### ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

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#### CITY OF NEW HAVEN

#### PRELIMINARY ENGINEERING REPORT ADDENDUM # 2:

#### CSO 001 IMPROVEMENTS – FLOATABLE CONTROLS

#### SRF # CS182 159 02

**DATE:** March 25, 2009

**TARGET PROJECT APPROVAL DATE:** April 24, 2009

#### I. INTRODUCTION

The above entity has applied to the Clean Water State Revolving Loan Fund (SRF) for a loan to finance all or part of the wastewater project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA.

#### II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The SRF Clean Water Program has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 4-4-11, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

#### III. COMMENTS

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the deadline date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

Max Henschen  
Senior Environmental Manager  
State Revolving Fund -- IGCN 1275  
100 N. Senate Ave.  
Indianapolis, IN 46204  
317-232-8623

# ENVIRONMENTAL ASSESSMENT

## I. PROJECT IDENTIFICATION

Project Name and Address:	<b>City of New Haven</b> <b>CSO 001 Improvements – Floatable Control</b> Preliminary Engineering Report Addendum # 2 P.O. Box 570 815 Lincoln Highway East New Haven, IN 46774
SRF Project Number:	CS 182 159 02
Authorized Representative:	Terry McDonald, Mayor

## II. PROJECT LOCATION

New Haven is in Allen County just east of Fort Wayne. The proposed project is located at the city's Combined Sewer Overflow (CSO) Outfall 001 located adjacent to Martin Ditch north of Rose Avenue and east of Green Street. The proposed project area is located in the Fort Wayne East USGS quadrangle, Adams Township, SE ¼ of Section 1, T30N, R13E. See Figure 1.

## III. PROJECT NEED AND PURPOSE

New Haven has completed the construction of the sanitary sewer improvements that were described in the Preliminary Engineering Report (PER) approved by the State Revolving Fund (SRF) Loan Program on April 5, 2002. The purpose of this project is to (1) prevent future backups of the Maumee River into the city's sewer system, (2) provide metering of future overflow events, and (3) prevent future overflows from occurring until the city has maximized its sanitary flow to Fort Wayne, which treats the New Haven wastewater flows. A new outfall location is needed for easier maintenance and access by city personnel.

## IV. PROJECT DESCRIPTION

The proposed CSO 001 Floatable Controls project consists of the installation of a new bypass structure, flow metering, telemetry, floatable control structure, influent and effluent diversion structures, new manholes, and new access drives.

This project is under construction.

## V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

### A. Selected Plan Estimated Cost Summary

#### Construction Costs:

CSO 001 structure	\$47,000
Solids Control Structure	80,000
Mobilization/Demobilization	5,000
Bypass Pumping	1,000
Sewer Piping	25,000
Effluent Structure	15,000
Manholes	46,000
Outfall Structure	35,000
Flow Meters	28,000
Access Drives	9,300
Grading, Seeding, Site Drainage	4,400
SCADA System	48,000
Influent Diversion Structure #1	24,000
	<hr/>
Construction subtotal	\$367,700
Contingency	25,300
<b>Construction Cost</b>	<b>\$393,000</b>

#### Non-Construction Costs

Technical and Inspection Fees	\$57,000
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**Total Estimated Project Cost**                      **\$450,000**

B. New Haven will use the unspent balance of \$312,379 from Loan CS182 159 02 to finance this project. Additional funding will be provided from the city's utility fund. The city will not close on a new SRF loan. The city will close out its loan CS182 159 02.

## VI. DESCRIPTION OF EVALUATED ALTERNATIVES

Under the no-action alternative, the city would not take action to remedy the problems of Maumee River backup into the sewer system, storage capacity of the sewer system, overflow events at CSO 001, maximizing sanitary flow to Fort Wayne for treatment or to properly measure and report overflows, as required by the city's approved Long-Term Control Plan (LTCP). Therefore, this alternative was rejected in favor of the selected plan as described above.

## VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

### A. Direct Impacts of Construction and Operation

**Undisturbed/Disturbed Land:** The project will be constructed on land that has been significantly disturbed by installation of sewer lines and other utilities and the CSO structure.

**Structural Resources** (Figure 2): The project will not affect historic sites or districts. Audible, atmospheric or visual effects of the projects will be temporary. The project will be no closer than 100 feet to St. John's Cemetery across Martin Ditch from the proposed project area. The SRF's finding pursuant to Section 106 of the National Historic Preservation Act is: "no historic properties affected."

**Surface Waters and Wetlands** (Figure 1): The project will not affect wetlands.

**100-Year Floodplain:** The project is located in the 100-year floodplain. Critical structures will be constructed above the 100-year floodplain level.

**Groundwater:** The proposed project will not negatively affect a sole source aquifer or other groundwater resources.

**Plants and Animals:** The proposed project will not affect endangered plants or animals. The project will not require tree removal.

**Prime Farmland:** The project will not affect prime/unique farmland.

**Air Quality:** Air quality will be temporarily impacted by construction activities, including vehicle exhaust and dust.

The proposed project will neither create nor destroy open space and recreational opportunities and will not affect National Natural Landmarks or the Lake Michigan Coastal Zone.

## **B. Indirect Impacts**

The city's Preliminary Engineering Report (PER) states: *The City of New Haven, through the authority of its council, planning commission or other means, will ensure that future development, as well as future collection system or treatment works projects connecting to SRF-funded facilities will not adversely impact archaeological/historical/structural resources, wetlands, wooded areas, or other sensitive environmental resources. The city will require new development and treatment works projects to be constructed within the guidelines of the U.S. Fish and Wildlife Service, IDNR, IDEM, and other environmental review authorities.*

## **C. Comments from Environmental Review Authorities**

The Natural Resources Conservation Service, in correspondence dated January 29 2009, noted that the project *will not cause a conversion of prime farmland.*

This document is the first notice for comment to the U.S. Fish and Wildlife Service, the IDNR Division of Historic Preservation and Archaeology, and the IDNR Environmental Unit.

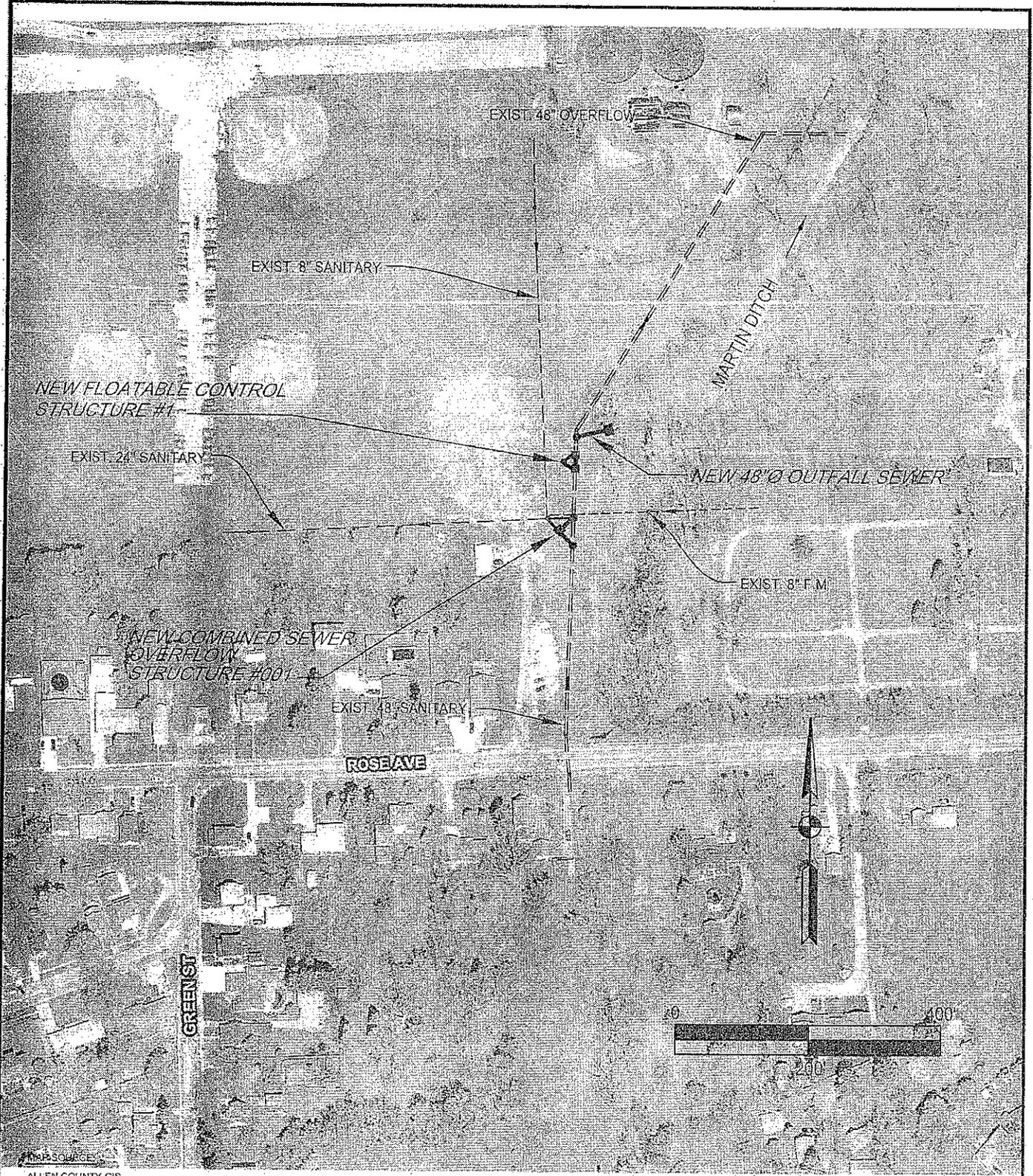
## **VIII. MITIGATION MEASURES**

The city's PER states: *Mitigation measures typically set forth by the IDNR and the U.S. Fish and Wildlife Service will be implemented during construction. Silt fencing will be employed along the Martin Ditch to mitigate erosion along the ditch bank during the construction phase of the project. All bare and disturbed areas will be re-vegetated with a mixture of grasses and*

*legumes upon completion of construction. It should be noted that the new outfall structure has been designed to include energy dissipaters coupled with a concrete outfall slab to further reduce erosion during overflow events at the Martin Ditch.*

## **IX. PUBLIC PARTICIPATION**

A properly noticed public hearing was held on May 1, 2001 at 7:00 p.m., at the City Hall to discuss the findings of the PER.



MAPSOURCE  
ALLEN COUNTY GIS

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**NOTE: NO WETLAND AREAS EXIST WITHIN PROPOSED PROJECT AREA**

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CITY OF NEW HAVEN, INDIANA  
SANITARY SEWER IMPROVEMENTS  
CSO #001 IMPROVEMENTS - FLOATABLE CONTROL

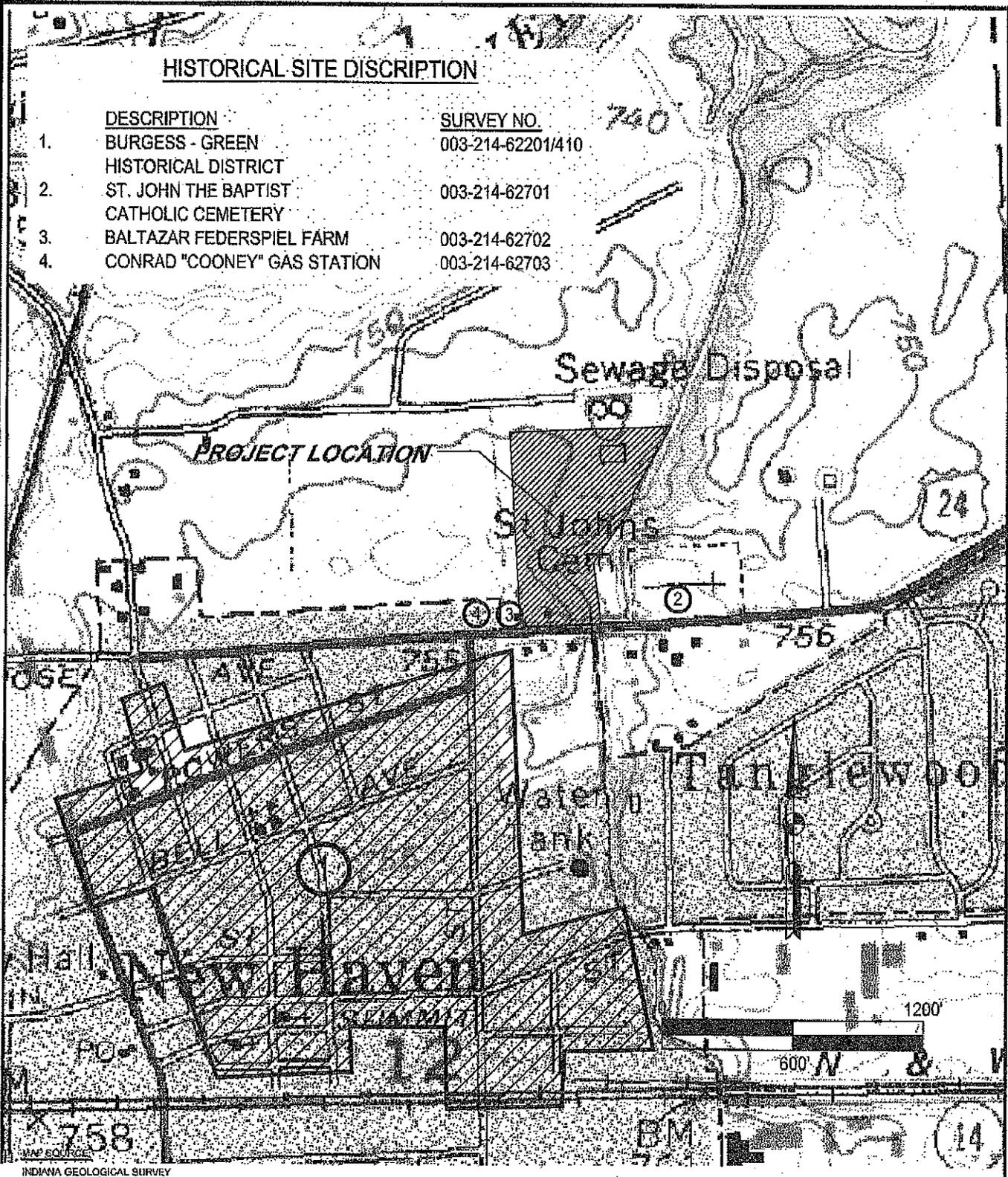
FIGURE

1

Figure 1: Wetlands

# HISTORICAL SITE DISCRPTION

	DESCRIPTION	SURVEY NO.
1.	BURGESS - GREEN HISTORICAL DISTRICT	003-214-62201/410
2.	ST. JOHN THE BAPTIST CATHOLIC CEMETERY	003-214-62701
3.	BALTAZAR FEDERSPIEL FARM	003-214-62702
4.	CONRAD "COONEY" GAS STATION	003-214-62703



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CITY OF NEW HAVEN, INDIANA  
SANITARY SEWER IMPROVEMENTS  
CSO #001 IMPROVEMENTS - FLOATABLE CONTROL

FIGURE 1 - HISTORICAL SITES

FIGURE

**2**