



State Revolving Fund Loan Programs

Drinking Water, Wastewater, Nonpoint Source

ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

CITY OF FORT WAYNE PONTIAC STREET SEWER SEPARATION PROJECT STATE REVOLVING FUND PROJECT WW 09 09 02 04E

DATE: November 23, 2010

TARGET PROJECT APPROVAL DATE: December 23, 2010

I. INTRODUCTION

The above entity has applied to the Clean Water State Revolving Fund (CWSRF) Loan Program 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, which can also be viewed at <http://www.in.gov/ifa/srf/>.

II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The CWSRF 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
100 N. Senate Ave. IGCN 1275
Indianapolis, IN 46204
317-232-8623; mhensche at ifa.in.gov

ENVIRONMENTAL ASSESSMENT

I. PROJECT IDENTIFICATION

Project Name and Address:	Pontiac Street Sewer Separation City of Fort Wayne One Main Street Fort Wayne, IN 46802-1804
SRF Project Number:	WW09 09 02 04E
Authorized Representative:	Kumar Menon, Director of Public Works and Utilities

II. PROJECT LOCATION

The project area is in Fort Wayne in central Allen County in the Fort Wayne East USGS quadrangle, Adams Township, T30N, R13E, section 18; see Figure 1.

III. PROJECT NEED AND PURPOSE

The city has prepared a Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP) to address the reduction and/or elimination of combined sewer overflows within their system. The U.S. EPA approved the city's CSO LTCP on December 28, 2007. According to the CSO LTCP, CSOs into the Maumee River must be reduced to four times in a typical year.

One of the subbasins included in the city's CSO LTCP is subbasin Q06002 in the southeast portion of the city's combined sewer system. That subbasin has two active CSO regulators: Q07 022 and R06 030, which send flows to the combined sewers and, when those sewers are full, to CSOs which discharge into the Maumee River. The sanitary and combined sewers in the subbasin have a variety of problems: surcharging, backups, and overflows. The scope of this particular project is to reduce the number of CSO events at CSO 64, which is fed by Regulator Q07 022. This project is included in the city's CSO LTCP as Control Measure No. 4 and has also been identified as a cost-effective component of the city's Combined Sewer System Capacity Improvements Program.

A city analysis identified the following problem areas: (1) the combined sewer system on Pontiac Street, and (2) excessive infiltration and inflow (I/I) from the area south of the Pontiac Street roundabout.

The city's hydraulic model predicts that when these problem areas are addressed, overflows from CSO 064 will be reduced to two per year, based on typical annual rainfall; this is fewer than the CSO LTCP's goal of four overflow events in a typical year.

IV. PROJECT DESCRIPTION

The recommended improvements include (see Figure 2):

- A. partial sewer separation of the combined sewer on Pontiac Street by installing approximately 2,350 feet of 24-inch diameter storm sewer;
- B. partial sewer separation of combined sewers south of the roundabout on Pontiac Street by installing approximately 600 feet of 12-inch diameter storm sewers; and
- C. increasing the height of the overflow point at Regulator Q07 022 from 791.6 to 793.5 feet.

V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

A. Selected Plan Estimated Cost Summary

<u>Construction Components</u>	<u>Costs</u>
Mobilization/Demobilization	\$ 24,950
Traffic Control	6,000
2350 feet of 24-inch storm sewer	152,750
600 feet of 12-inch storm sewer	27,000
Curbing & Guttering	12,300
Granular Backfill	54,000
8 Storm Manholes	20,000
28 Storm Inlets	49,000
Regulator Alteration	15,000
Regulator Connection	5,000
3000 feet Asphalt Street Replacement	120,000
Erosion Control	3,000
	<u>\$ 489,000</u>
Contingencies	48,900
Total Estimated Construction Cost	\$ 537,900

<u>Non-Construction</u>	<u>Costs</u>
Legal and Accounting	\$ 1,500
Design Engineering	100,000
Construction Engineering & Observation	50,000
Total Estimated Non-Construction Cost	\$ 151,500

Total Estimated Project Cost \$ 689,400

- B. The city will borrow approximately \$689,400 through a 20-year State Revolving Fund Loan Program (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.

VI. DESCRIPTION OF EVALUATED ALTERNATIVES

Several alternatives were evaluated for improvements in the Q06002 subbasin including the "No Action" alternative.

A. "No-Action" Alternative

This alternative was rejected, since the combined sewer system in Subbasin Q06002 would continue to surcharge, create backups and cause four or more overflows per year.

B. Optimal Operation of Existing Facilities

This alternative was rejected since the city already operates the combined and sanitary sewer system as effectively as possible. However, due to the condition of the combined sewer system, wet weather may still provoke surcharges, backups and overflows.

C. Collection System Rehabilitation

This alternative was dismissed, since the rehabilitation of the combined sewer system would not solve the surcharging, backups and overflow problems during wet weather.

D. New Storm Sewer System

This alternative was selected since it proposes a partial separation of the combined sewer by installing a new storm sewer parallel to the combined sewer on Pontiac Street and disconnecting storm inlets tied to a combined sewer in those areas south of Pontiac Street by connecting them to an existing storm sewer to reduce the number of overflows at Regulator Q07 022.

VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

A. Direct Impacts of Construction and Operation

Disturbed and Undisturbed Areas: All of the construction will be within pavement or on sites previously disturbed by construction activity.

Structural Resources (see Figure 3): The project will not affect structural resources. No structures will be altered, demolished or removed. Any audible, visual or atmospheric effects will be temporary and will not affect the characteristics of historic properties. The SRF's finding pursuant to the Section 106 of the National Historic Preservation Act is: "no historic properties affected."

Plants and Animals: The construction and operation of the proposed project will not negatively impact state or federal listed endangered species or their habitat.

Prime Farmland: The proposed project will not cause a conversion of prime farmland.

Wetlands (Figure-2): The proposed project will not affect wetlands.

Surface Waters : The proposed project will not adversely affect waters of high quality listed in 327 IAC 2-1-2(3), exceptional use streams listed in 327 IAC 2-1-11(b), Natural, Scenic and

Recreational Rivers and Streams listed in 312 IAC 7-(2), Salmonid Streams listed in 327 IAC 2-1.5-5(a)(3), or waters on the Indiana Outstanding Rivers list.

100-Year Floodplain: The proposed project will not be constructed within the 100-year floodplain.

Groundwater: Groundwater supplies, sole source aquifers, and drinking water supplies will not be impacted by this project.

Air Quality: Short term negative impacts for construction will include noise and dust during construction operations. The construction and operation of this project will not adversely affect ozone levels and will not increase or decrease airborne pollutants.

Open Space and Recreational Opportunities: Construction and operation of the proposed project will not negatively affect open space and recreational opportunities.

The proposed project 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 will ensure through the authority of its Council, planning commission, or other means, that future development, as well as future distribution system or treatment works projects connecting to SRF funded facilities will not adversely impact wetlands, archaeological/historical/structural resources, 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

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

In correspondence dated January 29, 2009 the Natural Resources Conservation Service stated: *The proposed project to make wastewater treatment plant upgrades and sewer collection system improvements in the City of Fort Wayne, Allen County, Indiana, as referred to in your letter dated January 22, 2009, will not cause a conversion of prime farmland.*

VIII. MITIGATION MEASURES

The city's PER lists the following mitigation measures:

The project will be designed and implemented to minimize soil erosion and mitigation measures cited in comment letters from governing agencies will be implemented.

Erosion control measures including seeding, sodding, inlet protection, silt fence, stone construction entrance and dust control may be implemented in accordance with current soil erosion control practices at the time of construction to reduce/eliminate erosion of soils.

Mitigation measures [regarding impacts to plants and animals] cited in comment letters from the Indiana Department of Natural Resources and the U.S. Fish and Wildlife Service will be implemented.

To mitigate construction noises and the subsequent resident complaints, construction will only be allowed from 8:00 a.m. to 5:00 p.m. Monday through Friday. Appropriate erosion control measures will be implemented during construction to abate dust and airborne dirt particles. The contractor will be required to maintain all equipment in good working order to mitigate noise and air pollution caused by faulty operating equipment.

IX. PUBLIC PARTICIPATION

A properly noticed public hearing was held on March 4, 2009 at 10:00 a.m. at the City County Building, Omni Room, One East Main Street. The city did not receive written comments in the 5-day period following the public hearing.

PONTIAC STREET SEWER SEPARATION

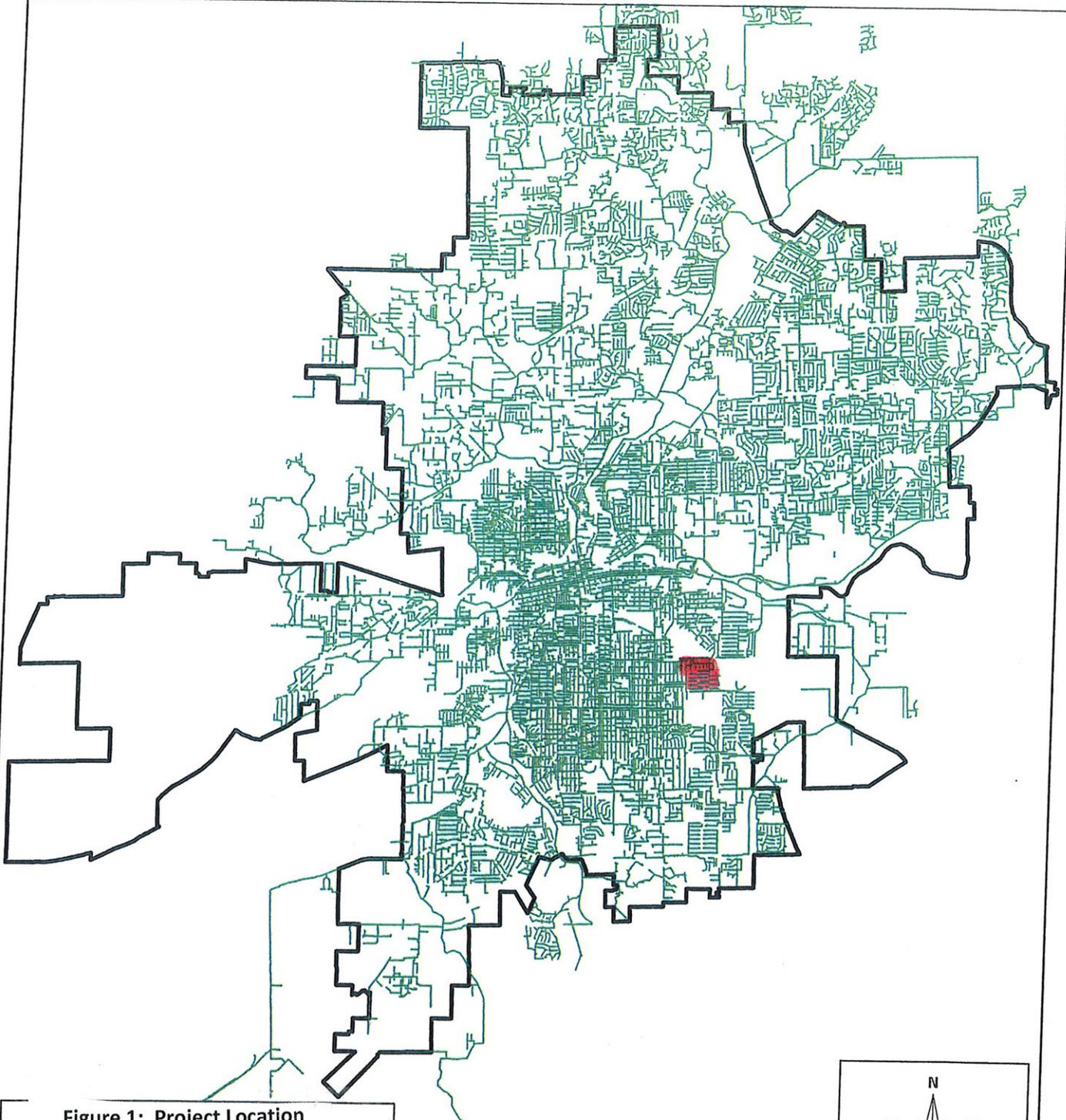
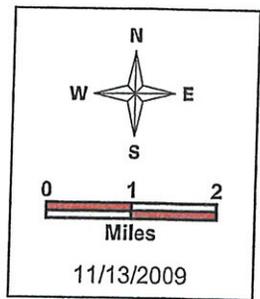
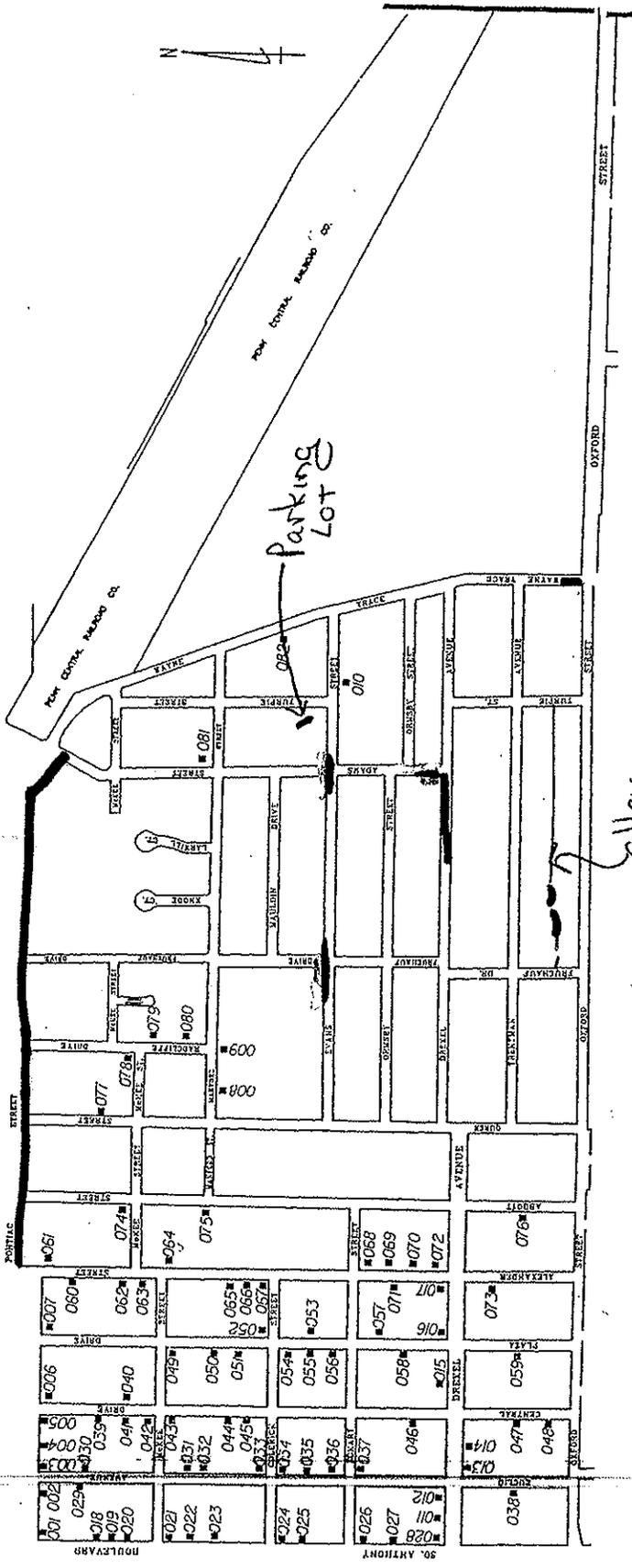


Figure 1: Project Location

-  Sanitary Sewers
-  Pontiac Street Project Location
-  Fort Wayne City Limits



Sector 46 (003-214-46001/46082)



No.	Rtg.	Description	No.	Rtg.	Description
001	C	House, 1814 E. Pontiac Blvd.; Colonial Revival, c.1918; Architecture	005	C	House, 1922 E. Pontiac Blvd.; American Foursquare, c.1910; Architecture
002	N	House, 1824 E. Pontiac Blvd.; Colonial Revival/American Foursquare, c.1900; Architecture	006	C	Walter & Esther Klebe House (The Crescent), 2002 E. Pontiac Blvd.; Colonial Revival, c.1925 (Sears, Roebuck and Co., Chicago, IL); Architecture, Commerce, Social History
003	N	James & Lulu Wyatt House, 1902 E. Pontiac Blvd.; Craftsman, c.1915; Architecture	007	C	House, 2104 E. Pontiac Blvd.; Craftsman Bungalow, c.1910; Architecture
004	C	House, 1910 E. Pontiac Blvd.; American Foursquare, c.1905; Architecture	008	C	House, 2418 Manford St.; Gable-front, c.1900; Architecture
			009	C	House, 2424 Manford St.; American Foursquare, c.1910; Architecture

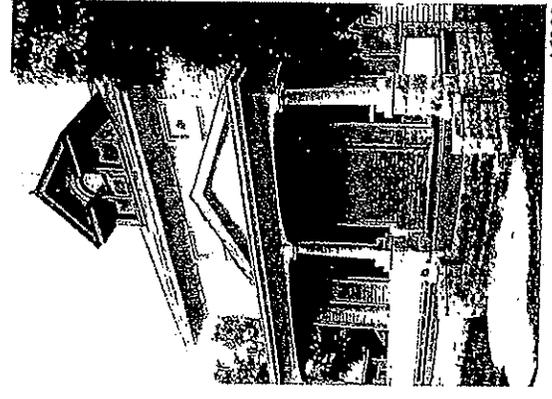


Figure 3: From Fort Wayne Interim Report
Indiana Historic Sites and Structures Inventory

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