



State Revolving Fund Loan Programs

Drinking Water, Wastewater, Nonpoint Source

ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

CITY OF ELKHART

Elkhart Foundry & Machine Company Remediation
STATE REVOLVING FUND PROJECT WW 093020 02

DATE: November 23, 2009

TARGET PROJECT APPROVAL DATE: December 23, 2009

I. INTRODUCTION

The above entity has applied to the Waste Water State Revolving Fund (WWSRF) Loan Program for a loan to finance all or part of the waste water 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 WWSRF 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:

Sarah Hudson
Senior Environmental Manager
State Revolving Fund
100 N. Senate Ave. IGCN 1275
Indianapolis, IN 46204
317-232-8663; sahudson@ifa.in.gov

**ENVIRONMENTAL
ASSESSMENT**

I. PROJECT IDENTIFICATION

Project Name and Address: Elkhart Foundry Remediation Project
City of Elkhart
229 S. 2nd St.
Elkhart, Indiana 46516

SRF Project Number: WW093020 02

Authorized Representative: The Honorable Dick Moore, Mayor

II. PROJECT LOCATION

The proposed project is located in Elkhart, Indiana in Elkhart County, Concord Civil Township. Specifically, the project is located at T 37N, R 5E, Section 5 of the Elkhart USGS quadrangle map. The project will be conducted on the former Elkhart Foundry & Machine Company site which is located at 318 S. Elkhart Avenue (Figure 1 and Figure 2).

III. PROJECT NEED AND PURPOSE

The Elkhart Foundry & Machine Company has been in operation 104 years (1900-2004). The soil is contaminated with metals and the site needs to be remediated.

The selected primary remedial approach for this project is excavation and disposal. Soil with arsenic, lead or other contaminants that exceed the industrial direct contact closure levels will be removed and disposed in an approved landfill. Excavations will be backfilled with appropriate fill materials and the excavations will be rough graded for drainage and to match surrounding grade. Fill material will be placed in continuous layers of up to two feet in thickness and compacted with a vibrating compactor.

IV. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

Estimated Project Cost Summary

Site Preparation and Design;
Development of an Erosion Control Plan and Health and Safety Plan;
Asbestos Removal;
Demolition;
Assessment;
Soil Removal;
Backfill and Site Restoration
Closure Soil Sampling and Groundwater Monitoring; and
Waste Characterization and Landfill Coordination.

Total Estimated Project Cost \$1,600,000

Monitoring activities and operation & maintenance costs are not eligible for SRF assistance.

Elkhart will amend its WWSRF PER to include this project. Elkhart will finance a portion of the Site Remediation project with a 20-year loan of approximately \$1,600,000 from the State Revolving Fund Loan Program (SRF) at an annual interest rate to be determined at the 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

A. Direct Impacts of Construction and Operation

Undisturbed/Disturbed Land:

The environmental impacts will be minimal. All project activities will take place on the former Elkhart Foundry site which has been significantly disturbed and contaminated by construction and industrial activities.

Structural Resources: The project will not affect historic sites, including sites on or eligible for listing on the National Register of Historic Places, according to the Elkhart Scattered Sites Map 5 of the Elkhart County Interim Report (Figure 3) and the historic sites information on the website of the Indiana Department of Natural Resources Division of Historic Preservation and Archaeology. The SRF's finding pursuant to Section 106 of the National Historic Preservation Act is: "*no historic properties affected.*"

Wetlands: Wetlands will not be impacted by the project (Figure 4).

Surface Waters: As part of the remediation, the contaminated part of the Elkhart River stream bank along the project site will be removed and rebuilt. According to the city, "there is a design preference for bioengineered "soft" armoring of the riverbank instead of rip-rap or seawall. The city will also explore incorporation of a canoe / kayak launch using the National Park Service Logical Lasting Launches Design Guidance."

This portion of the Elkhart Rive may be listed on the Natural Resources Commission Non-rule Policy Document, the Outstanding Rivers list.

The 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), and Salmonid Streams listed in (327 IAC 2-1.5-5(a)(3).

Floodplain: The entire project area is in the floodplain (Figure 5). Clean fill will be placed in the floodplain as part of the soil capping. Specifically, fill material will be placed in continuous layers of up to two feet in thickness and compacted with a vibrating compactor.

Groundwater: Dewatering is not anticipated. A Storm Water Pollution Prevention Plan will be prepared and implemented for the site, with specific measures that protect the river from surface runoff during land-disturbing activities. The project will not impact a sole source aquifer.

Plants and Animals: The construction and operation of the project will not negatively impact state or federal-listed endangered species or their habitat. The project will be implemented to minimize impact to non-endangered species and their habitat. Mitigation measures cited in comment letters from the Indiana Department of Natural Resources and the U. S. Fish and Wildlife Service will be implemented.

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

Air Quality: Construction activities may generate some noise, fumes and dust. Construction activities should not impact ozone, airborne pollutants or other air quality concerns.

Open Space and Recreational Opportunities: The proposed project will neither create nor destroy open space and recreation opportunities.

Lake Michigan Coastal Program: The proposed project will not affect the Lake Michigan Coastal Zone.

National Natural Landmarks: Construction and operation of the proposed project will not impact National Natural Landmarks.

Indirect Impacts: The city's workplan states, "*The city will ensure, through local zoning laws or other means, that future development, as well as future collection 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 town 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.*"

Mitigation Measures: A Storm Water Pollution Prevention Plan will be prepared and implemented for the site, with specific measures that protect the river from surface runoff during land-disturbing activities.

B. Comments from Environmental Review Authorities

This document serves as first notice to the Department of Natural Resources, Department of Historic Preservation and Archeology, U.S. Fish and Wildlife Service, and the Natural Resource Conservation Service.

VI. PUBLIC PARTICIPATION

A properly noticed public hearing was held at 9:00am on April 7, 2009 at the Council Chambers – Municipal Building, 229 South Second Street. There were no written comments received by the utility during the period following the hearing.

Figure 2 - Elkhart Foundry - Site Map



<p>BCA CONSULTANTS, INC. 6330 E. 79th SUITE 150 INDIANAPOLIS, IN 46250 317-978-4233</p>	<p>DATE: 03/19/2009</p>	<p>DRAWING TITLE: Boring and Monitoring Well Locations - 2002, 2006, & 2007</p>	<p>PROJECT LOCATION: Former Elkhart Foundry Elkhart, Indiana</p>
	<p>SCALE: 1"=80'</p>		
<p>FIGURE 2</p>			

Figure 3

Elkhart Scattered Sites Map 5 (33261-320)

Project Area

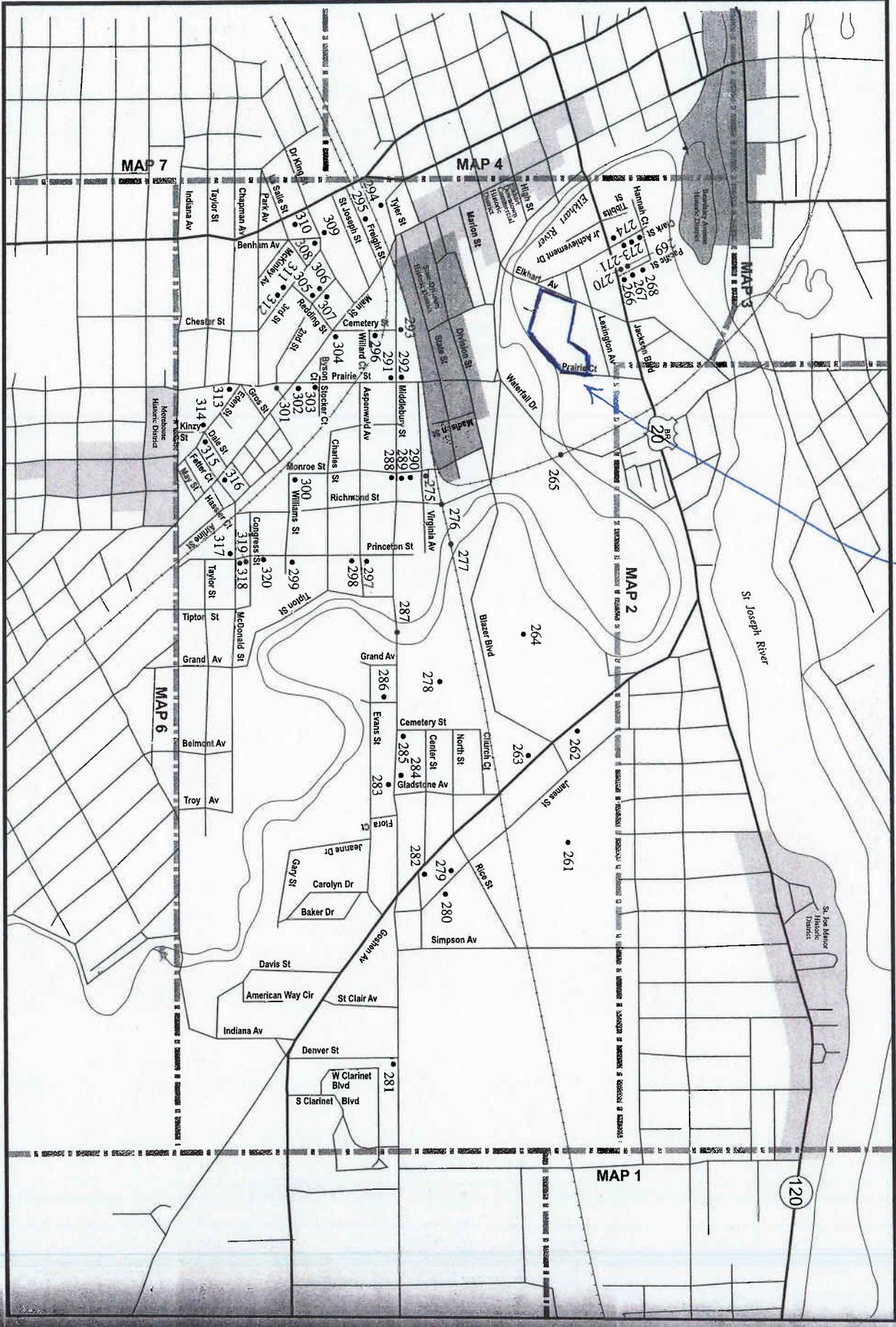


Figure 4- Elkhart Foundry - Wetlands Map - Project Location

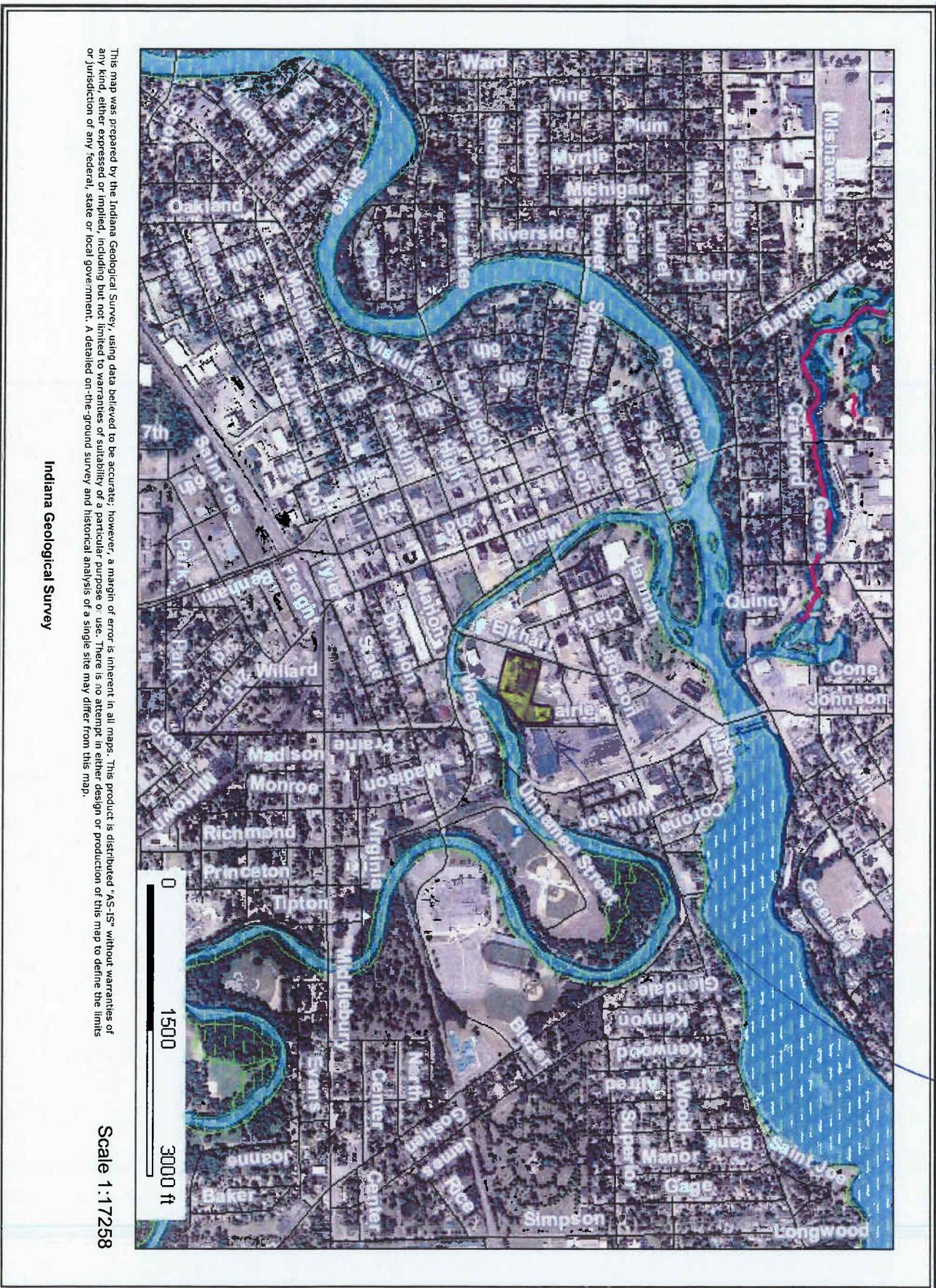


Figure 5 - Elkhart Foundry - Floodplain Map - Project Location

