



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 MISHAWAKA
Juday Creek Lift Station Improvements Project
SRF # WW 09 36 71 03**

Date: January 25, 2010

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in the Preliminary Engineering Report revisions from the Mishawaka Board of Public Works received by the SRF on January 19, 2010 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 (NEPA) 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 EA or an EIS.

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:

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

CATEGORICAL EXCLUSION

I. PROJECT IDENTIFICATION

Project Name and Address: **Juday Creek Lift Station Improvements Project**
City of Mishawaka
Board of Public Works
600 East Third Street
Mishawaka, IN 46546-0363

SRF Project Number: WW 09 36 71 03

Authorized Representative: Mr. Gary E. West, President
Board of Public Works and Safety

II. PROJECT LOCATION

Mishawaka is located in the northeast corner of St. Joseph County. The current and future service areas are one and the same. The project area is the Juday Creek Lift Station located on the west side of Grape Road just north of Tanglewood Drive. The project site is in Clay Township, in the South Bend East quadrangle, T38N, R3E, and NE ¼ of the SE ¼ of Section 33. See Figure 1.

III. PROJECT NEED AND PURPOSE

The Juday Creek lift station serves commercial and residential sanitary sewer customers on the city's north side. It was constructed in 1972 and upgraded in 1992 to accommodate growth on the north side. It is currently the only lift station that pumps wastewater from the north side to the wastewater treatment plant.

The SRF approved the ongoing Juday Creek force main rehabilitation project on September 2, 2009. The contractor had planned to install larger motors on the lift station's pumps and use an abandoned 8-inch force main as a temporary bypass, instead of using temporary bypass pumps. However, due to the age and condition of the three existing pumps, the lift station could not pump at its rated capacity. The pumps currently pump between 1,400 and 1,500 gallons per minute (gpm), but were designed to pump 1,800 gpm.

The "No Action" alternative was rejected for the Juday Creek lift station, since the lift station pumps would continue to deteriorate, operate at reduced capacity and increase the potential for failure. The selected alternative is to replace the three pumps with new 50 hp pumps rated at 1,800 gpm each, with variable frequency drives and new electrical service (see Figure 2).

IV. ESTIMATED PROJECT COST AND FUNDING

Project cost is estimated to be \$676,000. The city will fund the project with a loan from the State Revolving Fund (SRF) for a 20-year term at an annual 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

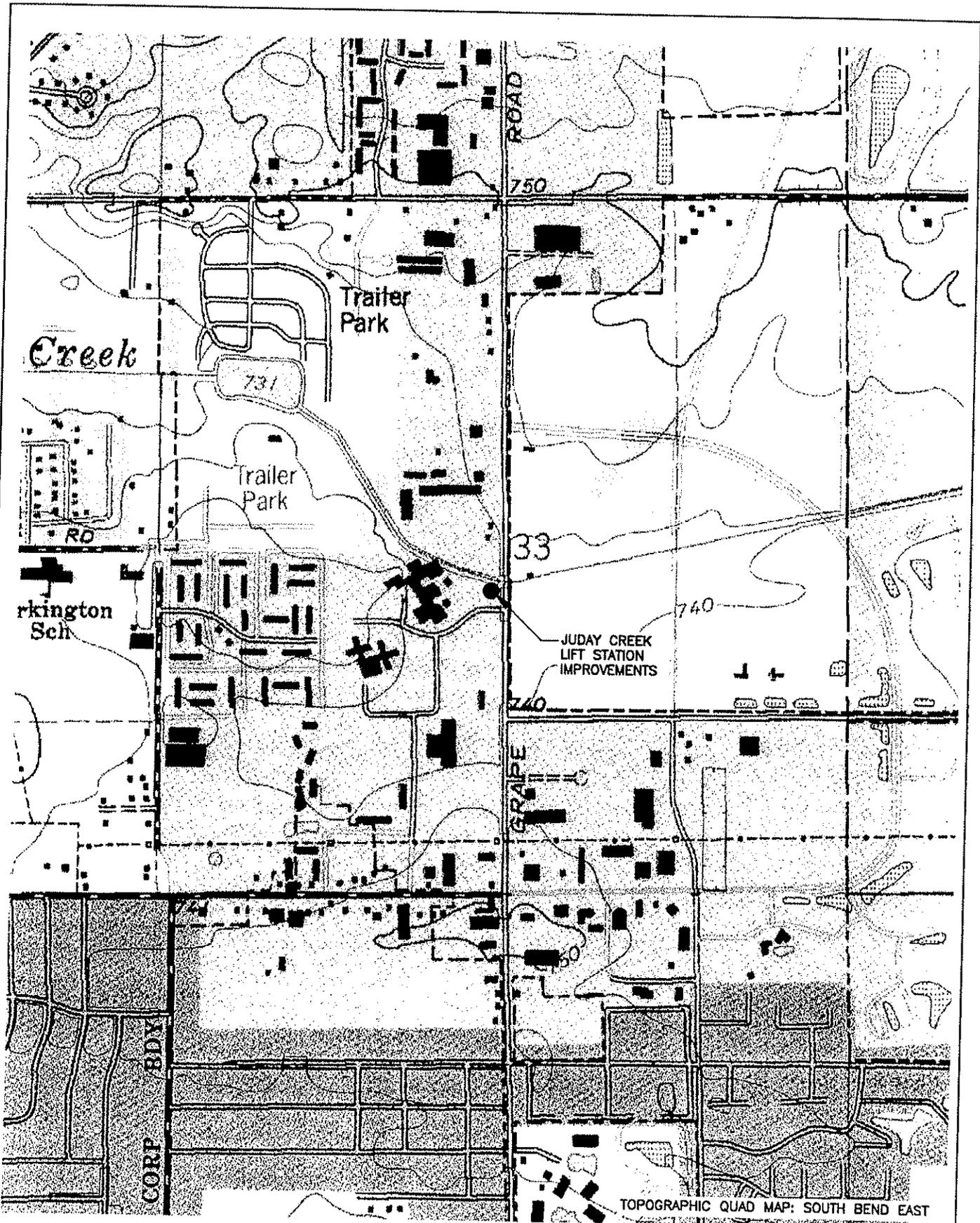
The majority of the Juday Creek lift station project will take place within the existing structure. Conduit replacement may be required adjacent to existing conduit when upgrading the electrical controls and service.

The proposed project will not impact historic sites shown on Figure 3. If any visual or audible impacts to historic sites occur, they will be temporary and will not alter the characteristics that qualify historic properties for inclusion in or eligibility for the State or National registers. The SRF's finding pursuant to Section 106 of the Historic Preservation Act is: "no historic properties affected."

The proposed project will not affect wetlands, surface waters, endangered species or prime farmland. The lift station is within the 100-year flood plain of Juday Creek. However, work will be done inside the existing structure, so no displacement of flood waters will occur. In correspondence dated January 19, 2010, the U.S. Environmental Protection Agency Ground Water and Drinking Water Branch noted that this project will not pose a substantial threat to the St. Joseph Sole Source Aquifer.

VI. PUBLIC PARTICIPATION

A notice was placed in the local newspaper on January 14, 2010 describing that the scope of work for the Juday Creek force main project has been expanded to include the improvements to the Juday Creek lift station described above.



CITY OF MISHAWAKA
WASTEWATER STATE REVOLVING FUND

TOPOGRAPHIC MAP
JUDAY CREEK LIFT STATION IMPROVEMENTS

SCALE IN FEET

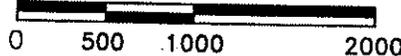
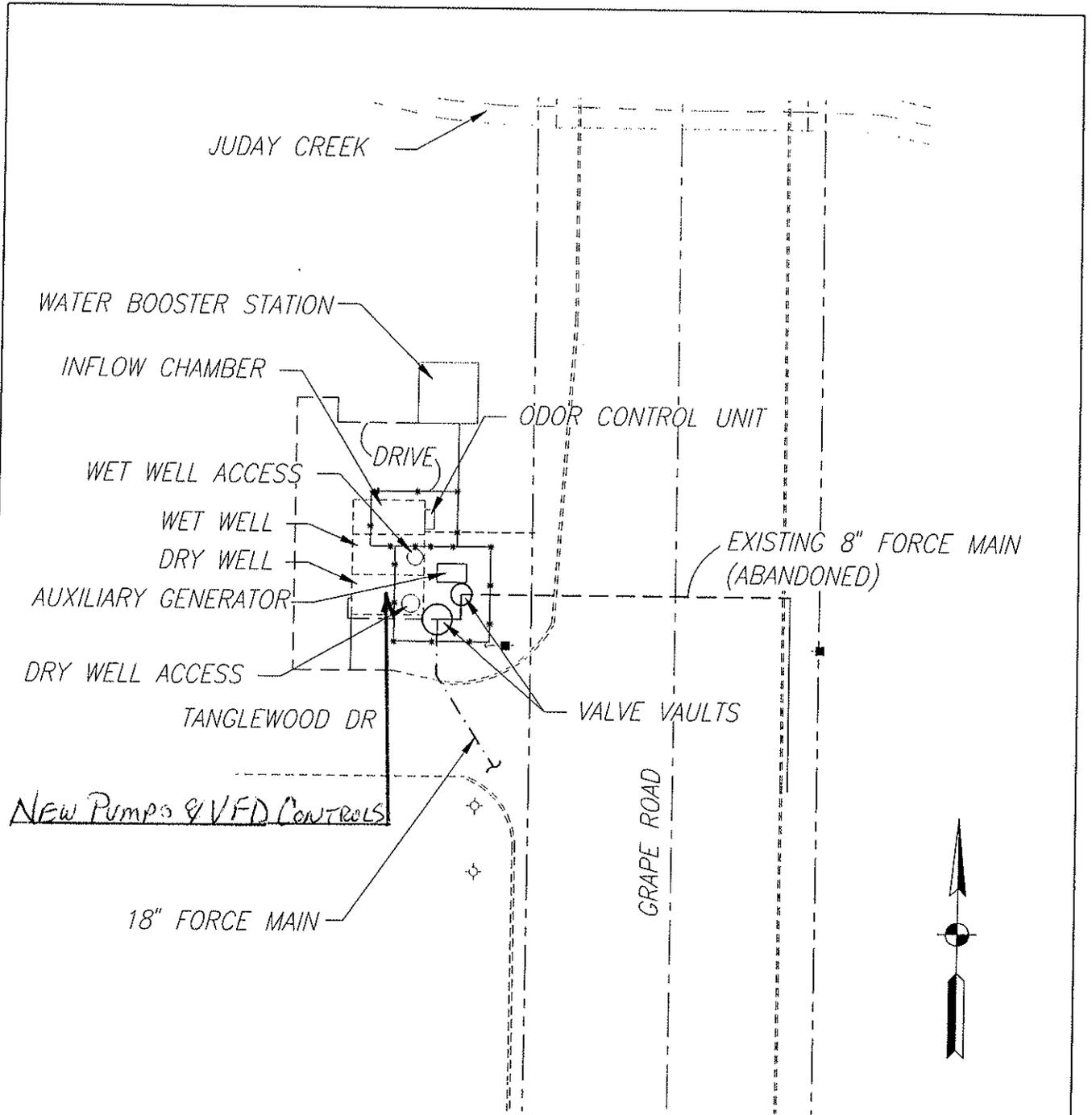


FIG. 1



10/18/2017 10:00 AM 10/18/2017 10:00 AM 10/18/2017 10:00 AM 10/18/2017 10:00 AM 10/18/2017 10:00 AM

LFA

LAWSON-FISHER ASSOCIATES P.C.

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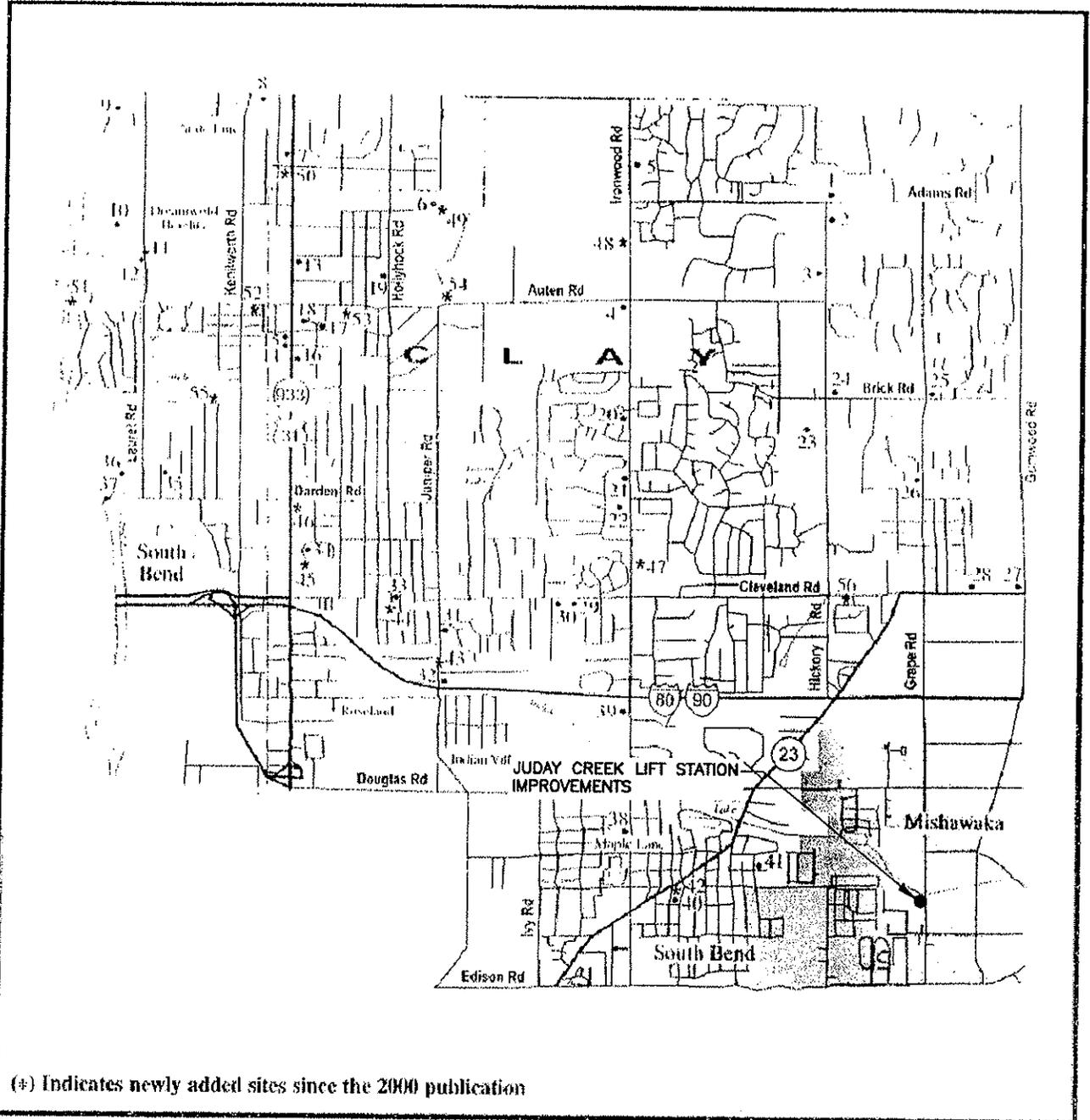
CITY OF MISHAWAKA, INDIANA
 JUDAY CREEK LIFT STATION

SITE PLAN
 FIGURE 2.1

HORIZONTAL SCALE
 1" = 40'
 VERTICAL SCALE

FIG. 2

Clay Township (05001-056)



BACKGROUND IMAGE: INDIANA HISTORIC SITES & STRUCTURES INVENTORY, ST. JOSEPH COUNTY, INDIANA, INTERIM REPORT (2006)

CITY OF MISHAWAKA
 WASTEWATER STATE REVOLVING FUND
 HISTORIC SITES AND STRUCTURES INVENTORY INTERIM REPORT MAP
 JUDAY CREEK LIFT STATION IMPROVEMENTS



SDLZ

FIG. 3