



State Revolving Fund Loan Programs Drinking Water, Wastewater, Nonpoint Source

PRELIMINARY DECISION OF CATEGORICAL EXCLUSION

TO ALL INTERESTED CITIZENS, ORGANIZATIONS AND GOVERNMENT AGENCIES:

EVANSVILLE WATER & SEWER UTILITY

SANDY ACRES LIFT STATION IMPROVEMENTS PROJECT

PRELIMINARY ENGINEERING REPORT F: PROJECT #7
SRF # WW 14 21 82 14

Date: October 22, 2014

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in Evansville's Preliminary Engineering Report F received by the SRF on June 12 2014 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:

April Douglas,
Senior Environmental Manager
SRF Programs
317-234-7294; adouglas@ifa.in.gov

CATEGORICAL EXCLUSION

I. PROJECT IDENTIFICATION

Project Name and Address: **Sandy Acres Lift Station Improvements Project
Preliminary Engineering Report F
Project # 7**
Evansville Water & Sewer Utility
1 NW Martin Luther King Jr. Blvd., Room 104
Evansville, IN 47740-0001

SRF Project Number: WW 14 21 82 14

Authorized Representative: Allen Mounts, Director
Evansville Water and Sewer Utility

II. PROJECT LOCATION

Evansville is located in southeastern Vanderburgh County. The Sandy Acres Lift Station Improvements project area is located in the Evansville South USGS 7.5' topographic quadrangle in Knight Township, T5S, R10W and section 34; see Exhibit 1.

III. PROJECT NEED AND PURPOSE

The purpose of the Sandy Acres Lift Station Improvements project is to provide adequate capacity and address several deficiencies (i.e., only contains one pump, no separate valve pit, no shut off valve and no portable pump connection). This project is being done as part of the implementation of the Capacity, Management, Operation and Maintenance program being implemented by the Evansville Water and Sewer Utility to address a Consent Decree. The project will also provide for a more reliable system since the present one pump lift station will be replaced with a duplex lift station.

The proposed improvements for Project #7 include the following components (see Exhibits 2 and 3):

- A. removal of the existing lift station including pumping equipment and wet well;
- B. construction of a new wet well and valve pit;
- C. installation of two new submersible pumps each having a capacity between 100 and 130 gallons per minute (gpm) with variable frequency drive (VFD) controls;
- D. construction of new valving, metering and piping at the lift station;
- E. construction of 4-inch force main to connect to an existing manhole; and
- F. associated electrical and site work.

Two alternatives were evaluated for the Sandy Acres Lift Station Improvements project, including the "No Action" alternative.

The “No Action” alternative was rejected since the lift station would continue to deteriorate resulting in increase in maintenance costs and eventual failure. Failure of the station would likely result in sanitary sewer overflows.

The Lift Station Replacement alternative would involve the removal of the existing lift station pumps and structure and construction of a new duplex, submersible lift station. **This is the selected alternative.**

IV. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

A. Selected Plan Cost Summary

<u>Construction Components</u>	<u>Costs</u>
Existing Equipment and Structure Removal	\$ 6,400
Bypass Pumping	10,000
Manhole Construction	15,000
Wet Well and Valve Pit Construction	35,000
Submersible Pumps and VFD Controls	75,000
Piping, Valving and Metering at Lift Station	12,500
Sanitary Sewer Construction	4,000
Force Main Construction	22,500
Site Work	10,875
Tree Removal	2,000
Mobilization/Demobilization	<u>15,000</u>
Subtotal	\$ 208,275
Contingency	<u>20,800</u>
Total Construction Costs	\$ 229,075
 Non- Construction Costs	
Engineering Costs	7,500
Project Inspection	<u>20,800</u>
Total Non-Construction Costs	\$ 28,300
Total Estimated Project Costs	\$ 257,375

B. Evansville will borrow \$257,375 from the State Revolving Fund Loan Program through a 20-year loan at a fixed interest rate to be determined at the time of 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

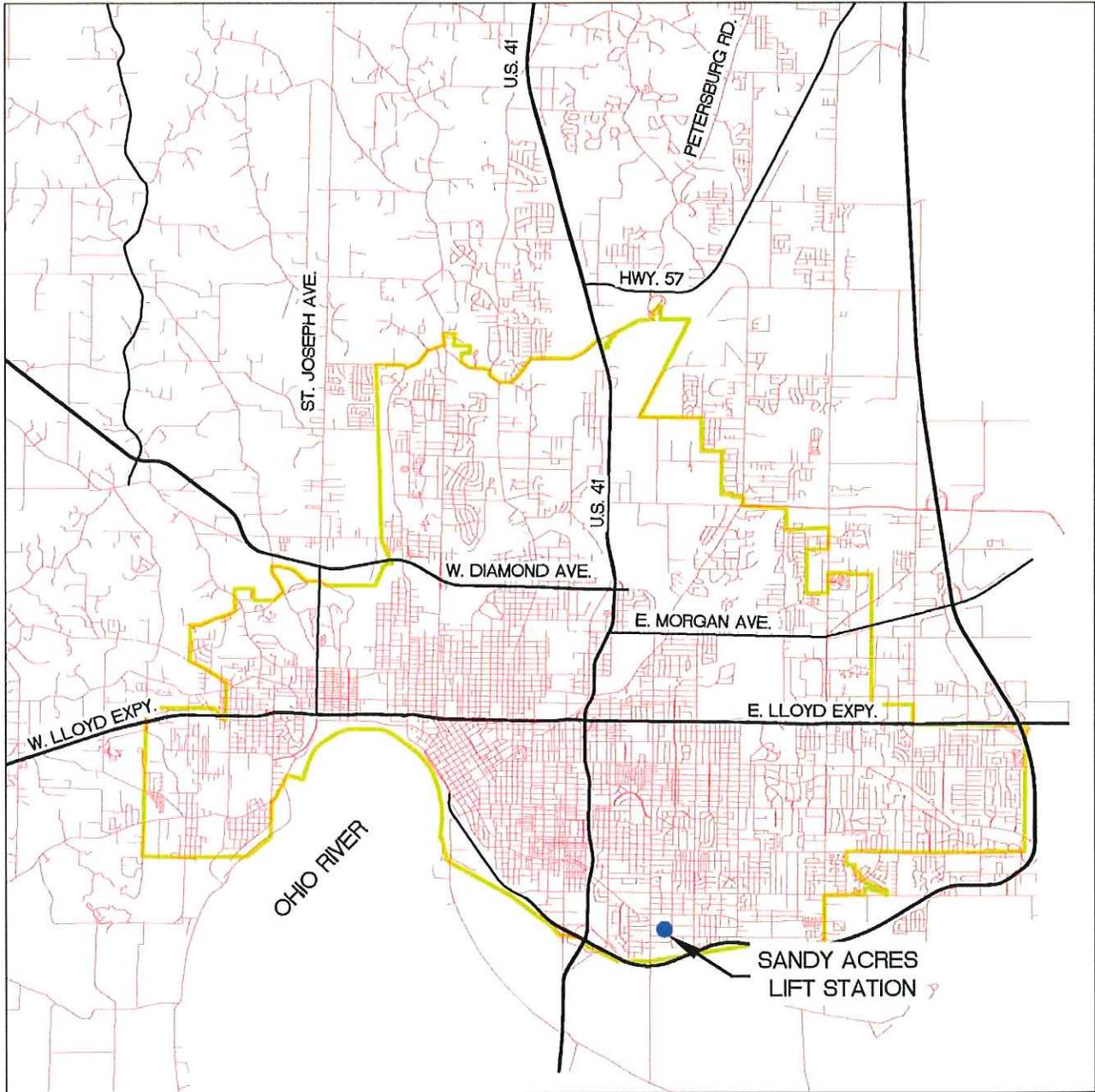
The project will occur in a previously disturbed area and will not affect endangered species or their habitat, streams, wetlands, or the 100-year floodplain.

Construction and operation of the project will not alter, demolish or remove historic properties (see Exhibit 4). 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 Historic Preservation Act is: "no historic properties affected".

VI. PUBLIC PARTICIPATION

A properly noticed public hearing was held at the Evansville Vanderburgh Public Library-North Park Branch on June 25, 2014, at 5:30 p.m. to discuss the Preliminary Engineering Report. There were no comments raised about Project #7 at the hearing and no written comments were received.

UNIVERSITY BLVD.



LEGEND

- EXISTING SANITARY LIFT STATION
- EVANSVILLE CORPORATE LIMITS



0 5000' 10000' 20000'



SCALE: 1" = 10000'

PLOT OF EVANSVILLE WATER AND SEWER UTILITY SANDY ACRES LIFT STATION PROJECT

DATE: 01/20/11
FILE: 01_20_11_SANDY_A
L100_MAP.dwg
DRAWN BY: JLD/2/11



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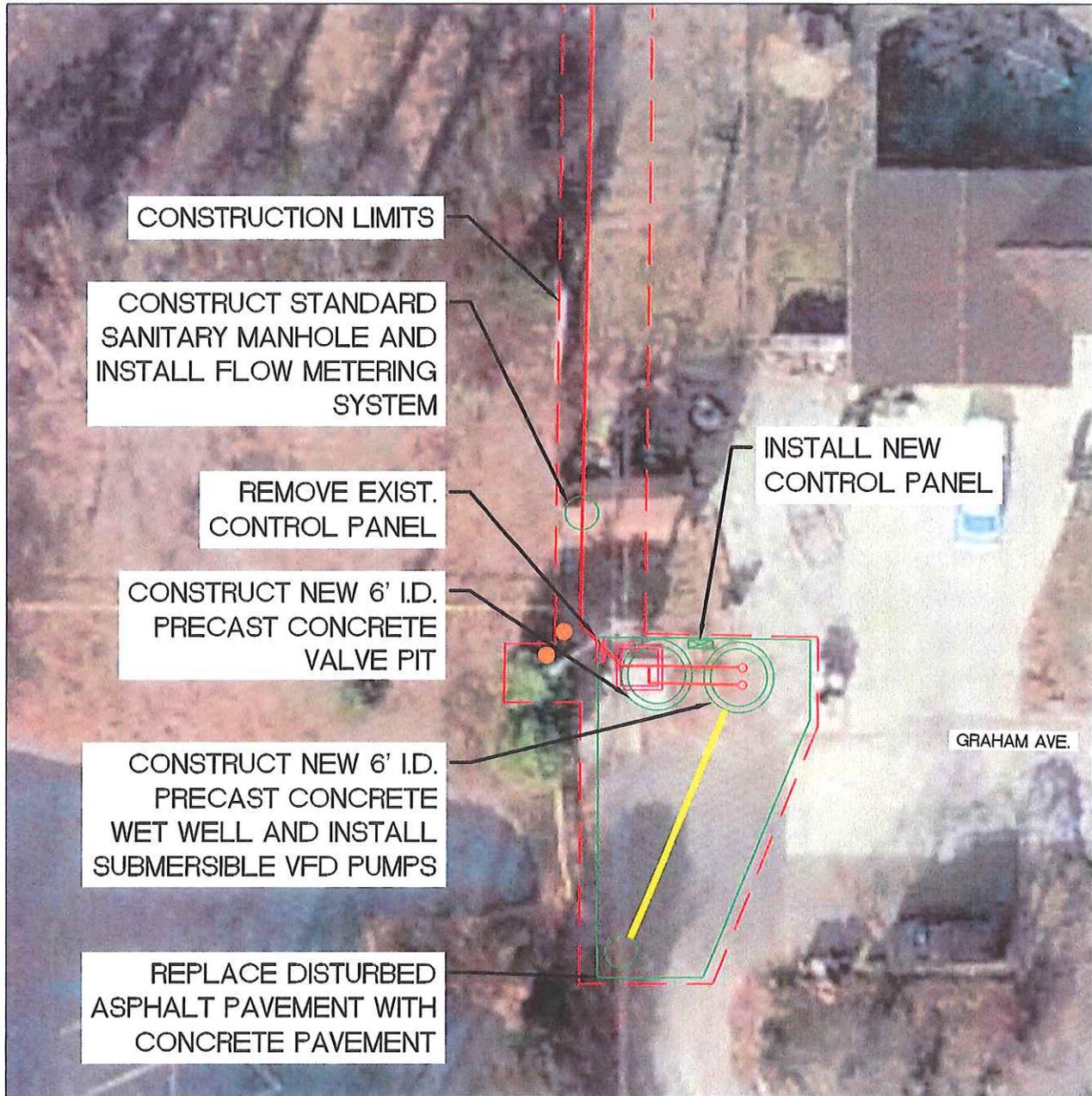
915 MAIN STREET, SUITE 205, EVANSVILLE, INDIANA 47708
TEL: (812) 401-0303 FAX: (317) 293-4737

CITY OF EVANSVILLE WATER AND SEWER UTILITY
PRELIMINARY ENGINEERING REPORT 'F', PROJECT No. 7
SANDY ACRES LIFT STATION IMPROVEMENT PROJECT

OVERALL LOCATION MAP

EXHIBIT

1



AERIAL: WINTER 2010

LEGEND

-  PROP. SANITARY MANHOLE
-  PROP. SANITARY SEWER
-  PROP. FORCE MAIN
-  PROP. CONTROL PANEL
-  PROP. CONC. LIMITS
-  PROP. CONST. LIMITS
-  EXIST. LIFT STATION WET WELL
-  EXIST. CONTROL PANEL
-  EXIST. TREE TO BE REMOVED



SCALE: 1" = 20'



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PROPOSED SITE LAYOUT

EXHIBIT
2

REV. 8/5/14

DIRECTORY...: 001/1/1...: NSU PER'S E. & F. DRAWING EXHIBITS\081815\SANDY ACRES\PER F... L1SCALE...1
 PLOTTED BY: J... DATE: Aug 15, 2014 - 9:38am



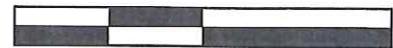
AERIAL: WINTER 2010

LEGEND

-  PROP. SANITARY MANHOLE
-  PROP. FORCE MAIN
-  PROP. CONST. LIMITS



0 20' 40' 80'



SCALE: 1" = 40'

PREPARED BY: VS ENGINEERING, INC. (317) 293-4737
 FILE: 12A SANDY ACRES LIFT STATION IMPROVEMENT PROJECT
 PLOTTED BY: J. SANDY ACRES LIFT STATION IMPROVEMENT PROJECT
 DATE: August 15, 2014 9:40am



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PROPOSED SITE LAYOUT

EXHIBIT

3

