



## 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**

**NORTH PARK INFILTRATION AND INFLOW PROJECT**

**PRELIMINARY ENGINEERING REPORT F: PROJECT #2  
SRF # WW 14 21 82 14**

**Date: October 17, 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](mailto:adouglas@ifa.in.gov)

---

## CATEGORICAL EXCLUSION

---

### I. PROJECT IDENTIFICATION

Project Name and Address: **North Park Infiltration and Inflow Project  
Preliminary Engineering Report F  
Project # 2**  
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 North Park Infiltration and Inflow (I/I) project area is located in the Evansville South USGS 7.5' topographic quadrangle in Center Township, T5S, R10W, section 31; T5S, R11W, section 36; T6S, R10W, sections 5, 6, 7, 8, and 18; and T6S, R11W and sections 1, 12, and 13, see Exhibit 1.

### III. PROJECT NEED AND PURPOSE

The purpose of the North Park Infiltration and Inflow (I&I) project is to alleviate sanitary sewer overflows and basement backups in North Park sanitary sewer system (SSS) basin. Six of the eight subbasins located within the North Park SSS basin were indentified in a sewer evaluation study as higher priority subbasins than any of the other SSS basin. Therefore, this project will reduce I/I within this subbasin by rehabilitating manholes and sewer mains. 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 proposed improvements for Project #2 include the following components (see Exhibits 2, 3 and 4):

- A. cleaning approximately 4,808 feet of sewer pipe ranging in size from 8-inches to 24-inches;
- B. cured-in-place (CIPP) lining approximately 34,000 feet of 8-inch sewer;
- C. CIPP lining approximately 5,300 feet of 10-inch sewer;
- D. CIPP lining approximately 3,500 feet of 12-inch sewer;
- E. CIPP lining approximately 4,100 feet of 15-inch sewer;
- F. CIPP lining approximately 88 feet of 24-inch sewer;
- G. reinstating approximately 1,261 service laterals;

- H. performing point repairs on approximately nine (9) sewer segments;
- I. resetting frames/covers on approximately 15 manholes;
- J. replacing frames/covers on approximately 203 manholes;
- K. replacing chimney/riser on approximately two (2) manholes;
- L. constructing benchwalls/channels on approximately 82 manholes;
- M. grouting joints/voids on approximately 26 manholes; and
- N. lining approximately 2,400 vertical feet of manholes.

Two alternatives were evaluated for the North Park I/I project, including the “No Action” alternative.

The “No Action” alternative was rejected since the manholes and sewer mains will continue to deteriorate which will increase the amount of I/I in the subbasin.

The North Park I/I project alternative involves manhole rehabilitation and sewer main rehabilitation in the North Park SSS basin. **This is the selected alternative.**

#### IV. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

##### A. Selected Plan Cost Summary

<u>Construction Components</u>	<u>Costs</u>
Maintenance of Traffic	\$ 98,950
Bypass Pumping	35,500
Heavy Sewer Cleaning	10,730
CIPP Lining	1,539,080
Lateral Reinstatement	315,250
Point Repairs	62,000
Resetting Frames/Covers	10,560
Replacing Frames/Covers	164,090
Replacing Chimney/Risers	1,380
Constructing Benchwall/Channel	81,180
Cementious Grouting Joints/Voids	2,860
Manhole Lining	480,000
Flow Monitoring – Post Construction	50,000
Mobilization/Demobilization	<u>150,083</u>
<b>Subtotal</b>	<b>\$ 3,001,663</b>
Contingency	<u>300,166</u>
<b>Total Construction Costs</b>	<b>\$ 3,301,829</b>
<b>Non- Construction Costs</b>	
Construction Engineering Costs	25,000
Project Inspection	300,166
<b>Total Non-Construction Costs</b>	<b>\$ 325,166</b>
<b>Total Estimated Project Costs</b>	<b>\$3,626,995</b>

B. Evansville will borrow \$3,626,995 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.

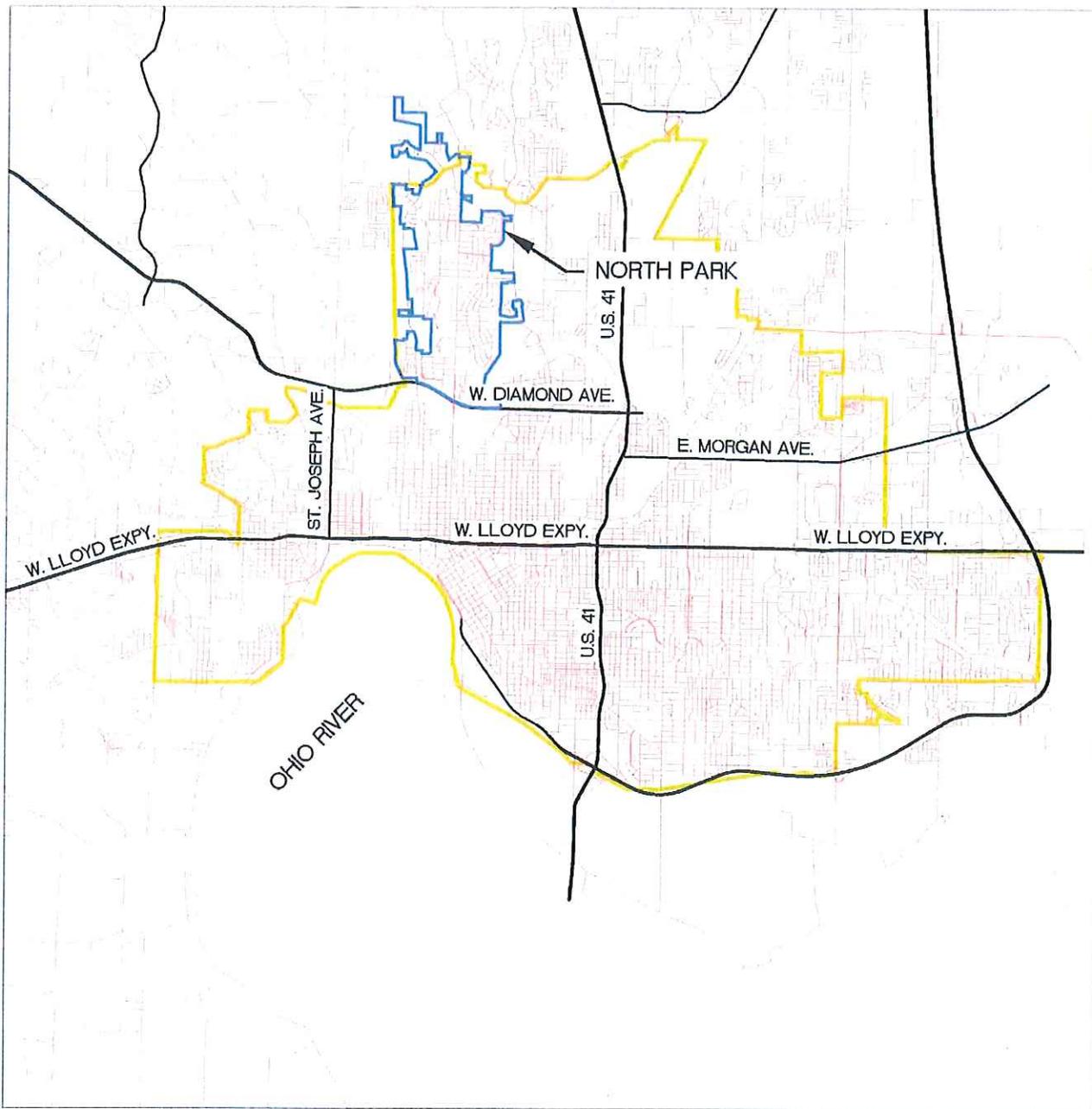
## **V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES**

The project will occur in previously disturbed areas 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 5). 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".

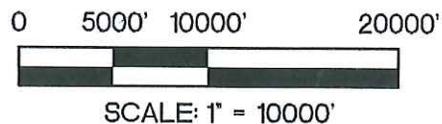
## **VI. PUBLIC PARTICIPATION**

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. One question was raised if larger pipes will be included in this project. The response was this project only addresses defects within the system and that capacity related issues will be addressed as a separate project. No written comments were submitted during the five day comment period.



**LEGEND**

-  EXISTING SANITARY SEWER BASIN
-  EVANSVILLE CORPORATE LIMITS



Program Management \00 Data\4.2 PD Drawings\181105\F-01\_1825A.dwg  
 DATE: 05/29/2014 9:30 AM

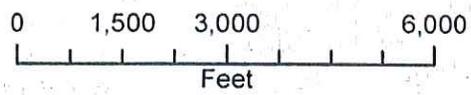
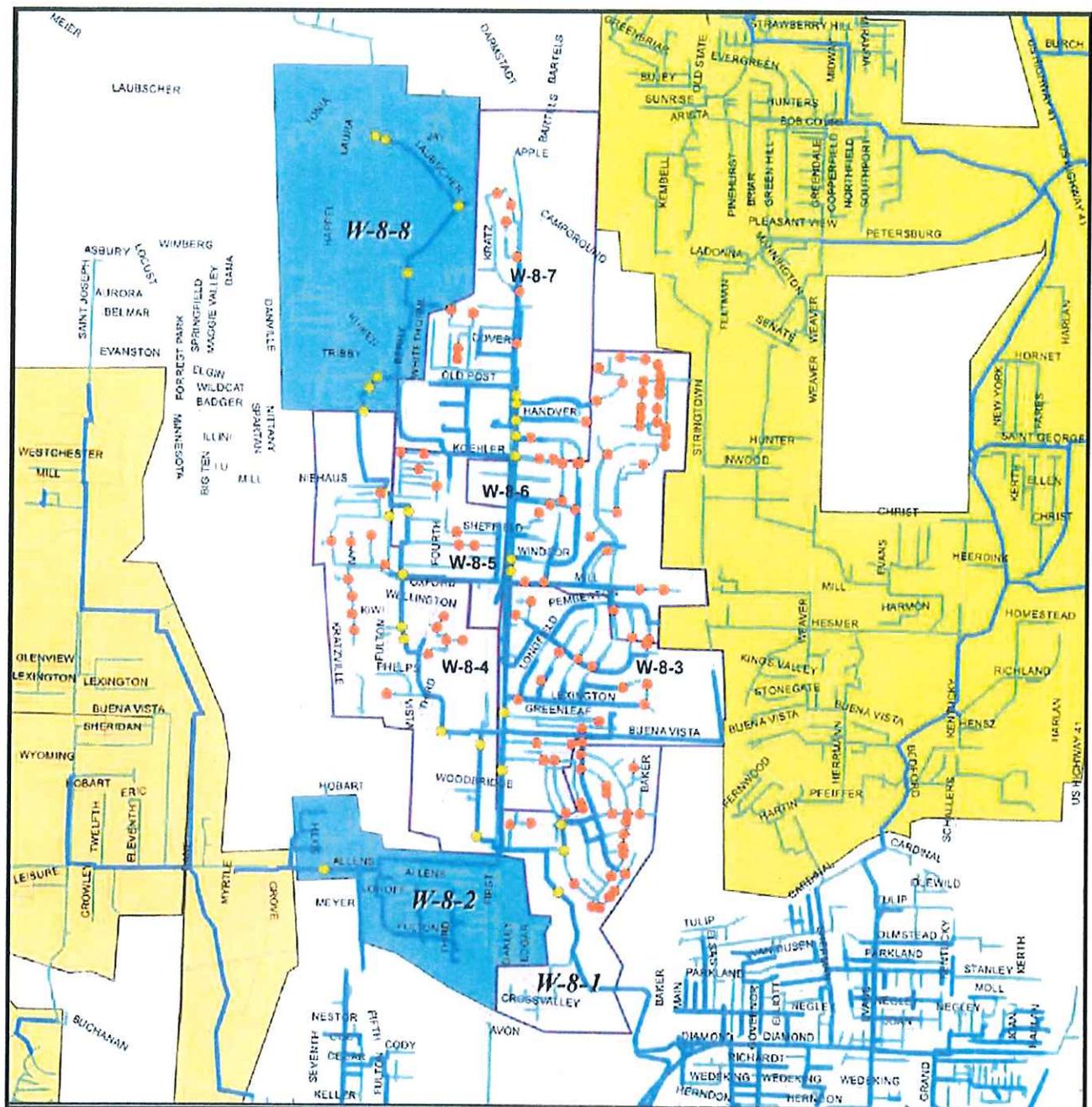
DIRECTOR: J. L. V. Dev. C.  
 PLotted by: J. C. CAMPBELL, LD  
 DATE: 05/29/2014 9:30 AM



815 MAIN STREET, SUITE 308  
 EVANSVILLE, IN 47708  
 PHONE: (812) 818-8888  
 FAX: (812) 401-8810

CITY OF EVANSVILLE WATER AND SEWER UTILITY  
 PRELIMINARY ENGINEERING REPORT F, PROJECT No. 2  
 NORTH PARK INFILTRATION / INFLOW PROJECT  
**OVERALL LOCATION MAP**

**EXHIBIT**  
**1**



**LEGEND**

- Collector Manhole to be Rehabilitated
- Trunk Manhole to be Rehabilitated
- Trunk Sewers
- Collector Sewers
- Priority Subbasins
- North Park (W-8) Basin

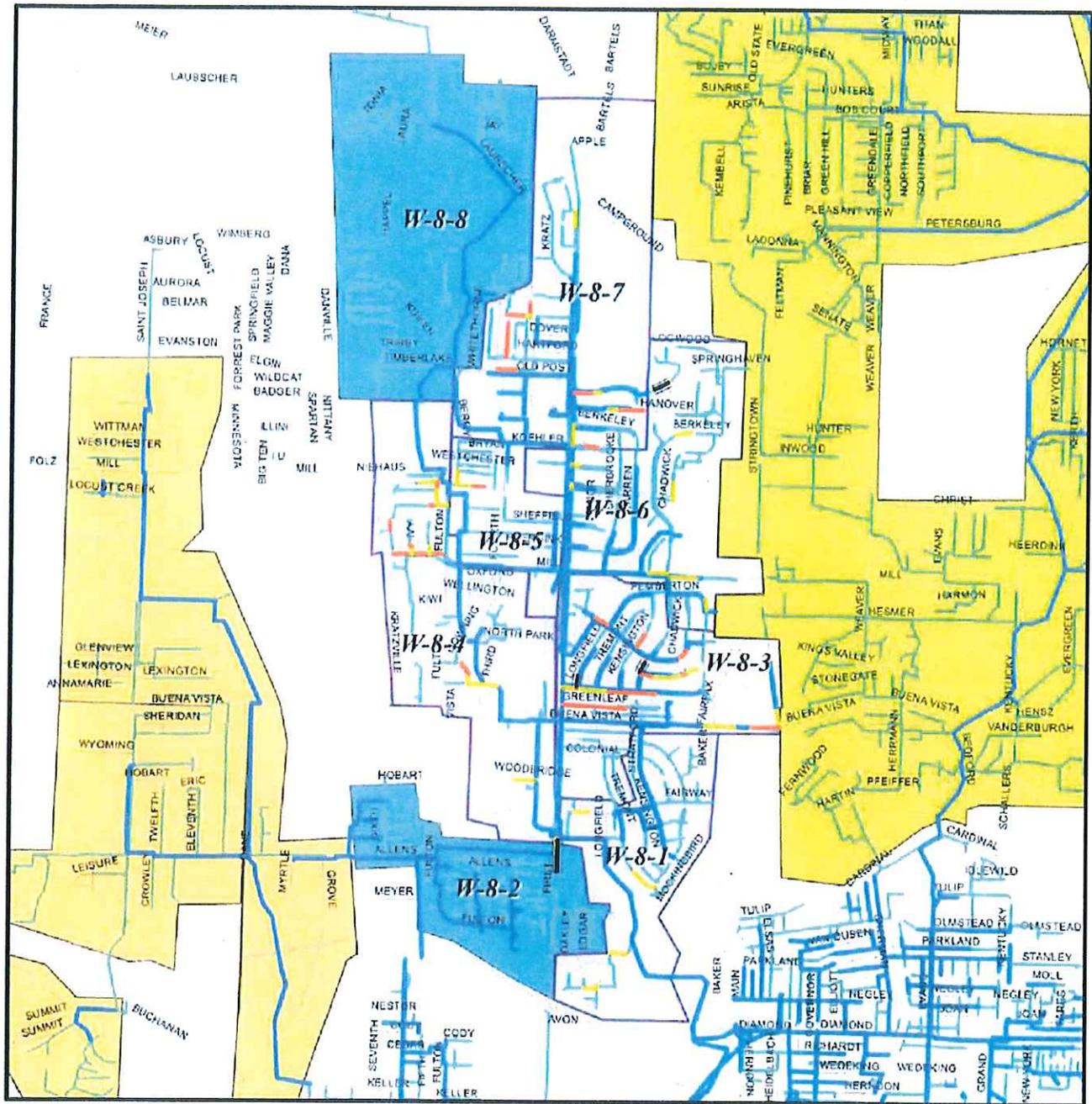
Program Manager: VAO Base/Vaz and Developers/Ernst/SVP/20... (PSCALE)...  
 Director: ... (PSCALE)...  
 DATE: ... 2024 ...



815 MAIN STREET, SUITE 300  
 EVANSVILLE, IN 47708  
 PHONE: (812) 616-8880  
 FAX: (812) 401-8910

CITY OF EVANSVILLE WATER AND SEWER UTILITY  
 PRELIMINARY ENGINEERING REPORT F, PROJECT No. 2  
 NORTH PARK INFILTRATION / INFLOW PROJECT  
**SELECTED ALTERNATIVE-MANHOLE REHABILITATION**

**EXHIBIT**  
**2**



**LEGEND**

- Point Repair
- Major Issue (Priority 3)
- Minor Issue (Priority 2)
- Trunk Sewers
- Collector Sewers
- Priority Subbasin
- North Park (W-8) Basin

Project: Evansville Water and Sewer Utility, 1000 Evansville, IN 47708  
 Date: 08/20/2014  
 Scale: 1" = 1000'



815 MAIN STREET, SUITE 308  
 EVANSVILLE, IN 47708  
 PHONE: (812) 616-6888  
 FAX: (812) 401-8810

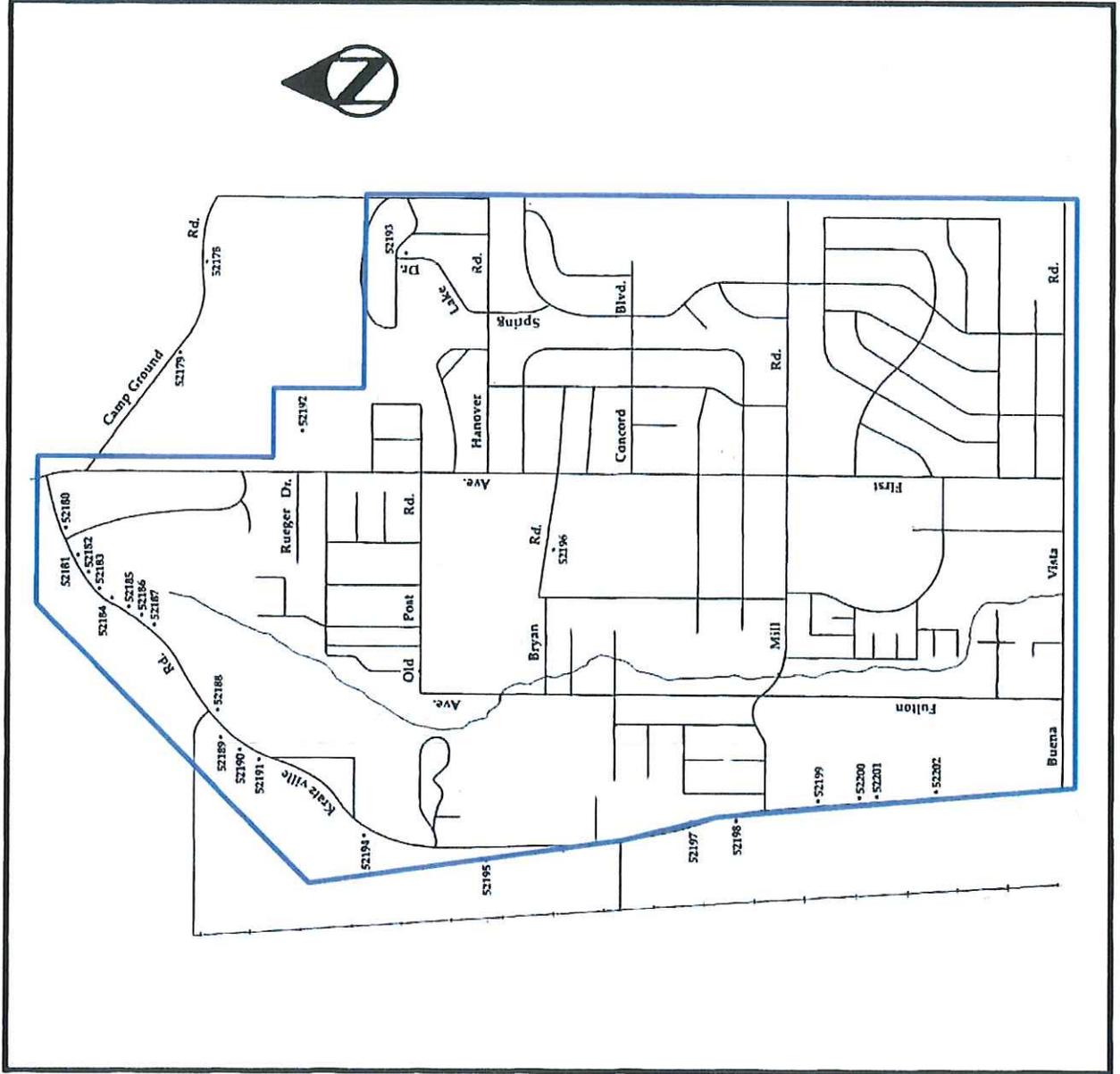
CITY OF EVANSVILLE WATER AND SEWER UTILITY  
 PRELIMINARY ENGINEERING REPORT F, PROJECT No. 2  
 NORTH PARK INFILTRATION / INFLOW PROJECT  
**SELECTED ALTERNATIVE-SANITARY SEWER MAIN REHABILITATION**

**EXHIBIT**

**3**

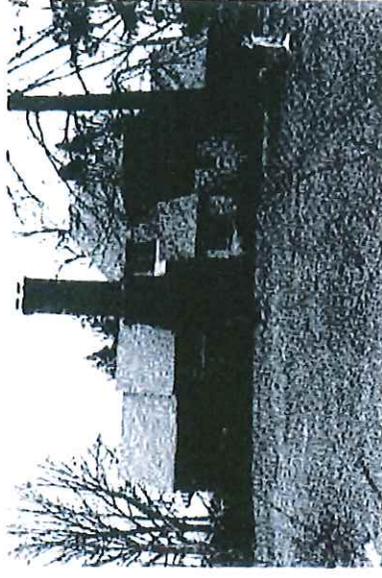


# Evansville Scattered Sites (5217-52202)



No.	Rtg.	Description
52178	C	Camp Ground Park, Camp Ground Road; 1932; Entertainment/Recreation (195)
52179	C	Reservoir, Camp Ground Road; NA, 1928-1929 (Black & Veatch, engineering; Floyd Shafner & Co., contractor); Community Planning, Engineering (195)

52180 N Fred Zeidler House, 6651 Kratzville Road; Tudor Revival, c.1937; Architecture (195)



52180

52181 C House, 6635 Kratzville Road; Gabled-ell, c.1895; Vernacular/Construction (195)

52182 C Laubscher Sanitarium, 6623 Kratzville Road; Neoclassical, 1923; Architecture, Health/Medicine (195)

52183 C House, 6615 Kratzville Road; American four-square, c.1920; Vernacular/Construction (195)

Exhibit 5: From the Vanderburgh County Interim Report Historic Sites and Structures Inventory