



# 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**

**TIEMAN LIFT STATION IMPROVEMENTS PROJECT**

**PRELIMINARY ENGINEERING REPORT F: PROJECT #9  
SRF # WW 14 21 82 14**

**Date: October 3, 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)

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## CATEGORICAL EXCLUSION

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### I. PROJECT IDENTIFICATION

Project Name and Address: **Tieman Lift Station Improvements Project  
Preliminary Engineering Report F  
Project # 9**  
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 Tieman Lift Station Improvements project area is located in the Evansville South USGS 7.5' topographic quadrangle in Pigeon Township, T6S, R11W and section 35; see Exhibit 1.

### III. PROJECT NEED AND PURPOSE

The purpose of the Tieman Lift Station Improvements project is to provide a more efficient pumping operation at this site and to provide for a more reliable pumping system. 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 additional consistency within the collection system since a standard lift station design would be used.

The proposed improvements for Project #9 include the following components (see Exhibit 2):

- A. removal of the existing lift station including pumping equipment and wet well;
- B. construction of a new pressurized grinder pump system having a capacity between 15 and 20 gallons per minute;
- C. construction of new gravity system manhole and piping;
- D. construction of a 1.5-inch forcemain to connect to the existing forcemain; and
- E. associated electrical and site work.

Two alternatives were evaluated for the Tieman Lift Station Improvement 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 pressurized grinder system. **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 Demolition	\$ 5,250
Bypass Pumping	7,500
Manhole Construction	5,000
Low Pressure Grinder Station Construction	20,000
Sanitary Sewer Construction	1,000
Force Main Construction	1,200
Site Work	3,600
Mobilization/Demobilization	<u>5,000</u>
<b>Subtotal</b>	<b>\$ 48,550</b>
Contingency	<u>4,850</u>
<b>Total Construction Costs</b>	<b>\$ 53,400</b>
<b>Non- Construction Costs</b>	
Engineering Costs	5,000
Project Inspection	<u>10,000</u>
<b>Total Non-Construction Costs</b>	<b>\$ 15,000</b>
<b>Total Estimated Project Costs</b>	<b>\$ 68,400</b>

B. Evansville will borrow \$68,400 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

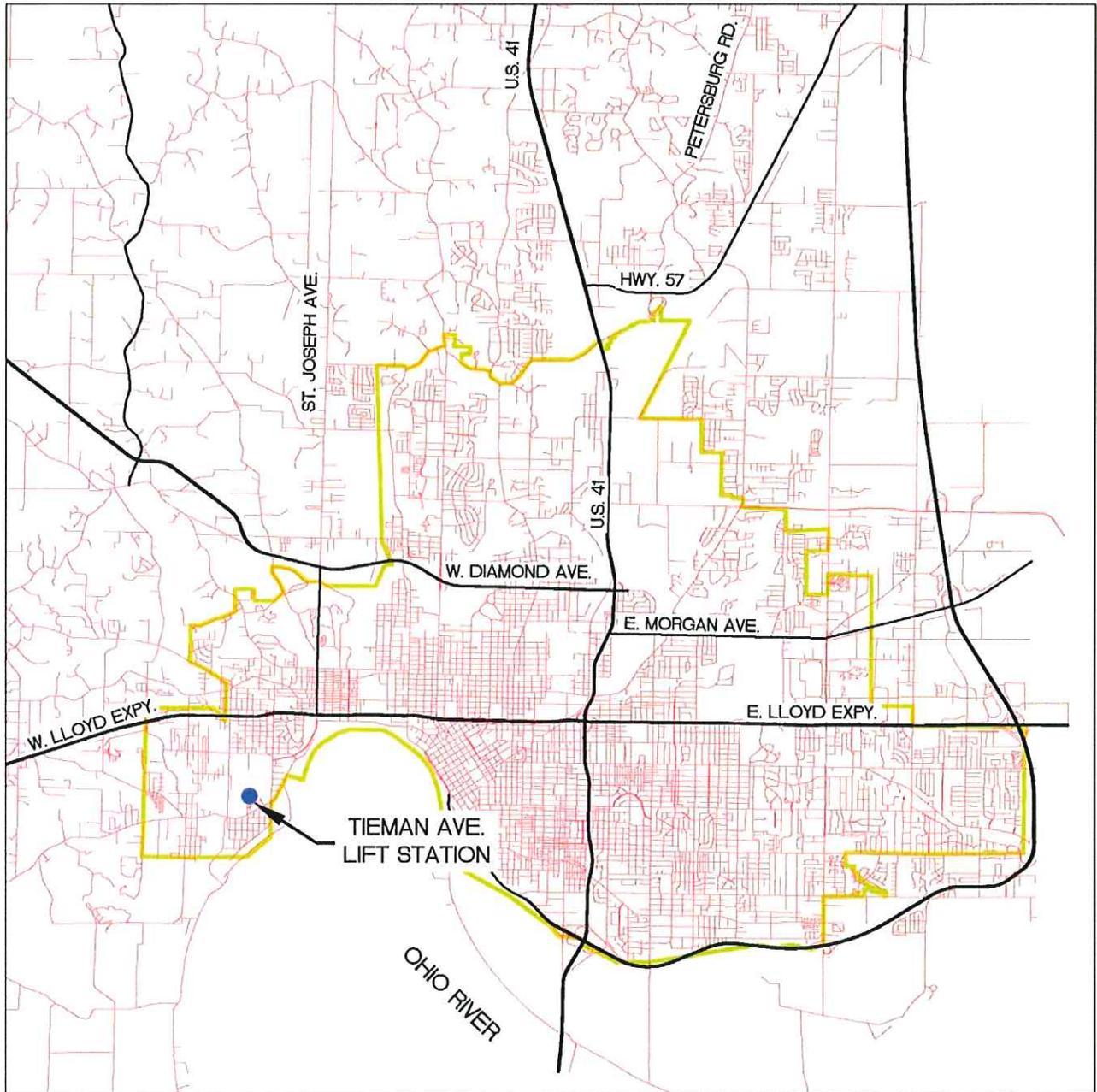
The project will occur in a previously disturbed area and will not affect endangered species or their habitat, streams, wetlands, or the 100-year floodplain.

Construction and operation of the project will not alter, demolish or remove historic properties (see Exhibits 3 and 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**

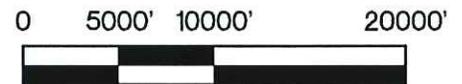
A properly noticed public hearing was held at the Evansville Vanderburgh Public Library-North Park Branch on June 25, 2014, at 5:30 p.m. to discuss the Preliminary Engineering Report. There were no comments raised about Project #9 at the hearing. Written comments were received about this project that concerned costs of the lift station improvements versus the number of entities served. It was questioned whether acquisition of the properties to be served would be more cost effective than the cost for the lift station improvements. In response, the cost associated with the purchase/ razing of the existing properties was compared to the lift station expense. The lift station option is considered the least costly of these options, and it was noted that the proposed use of low pressure grinder pump system versus the traditional lift station is a more cost effective solution.

UNIVERSITY BLVD.



### LEGEND

- EXISTING SANITARY LIFT STATION
- EVANSVILLE CORPORATE LIMITS



SCALE: 1" = 10000'

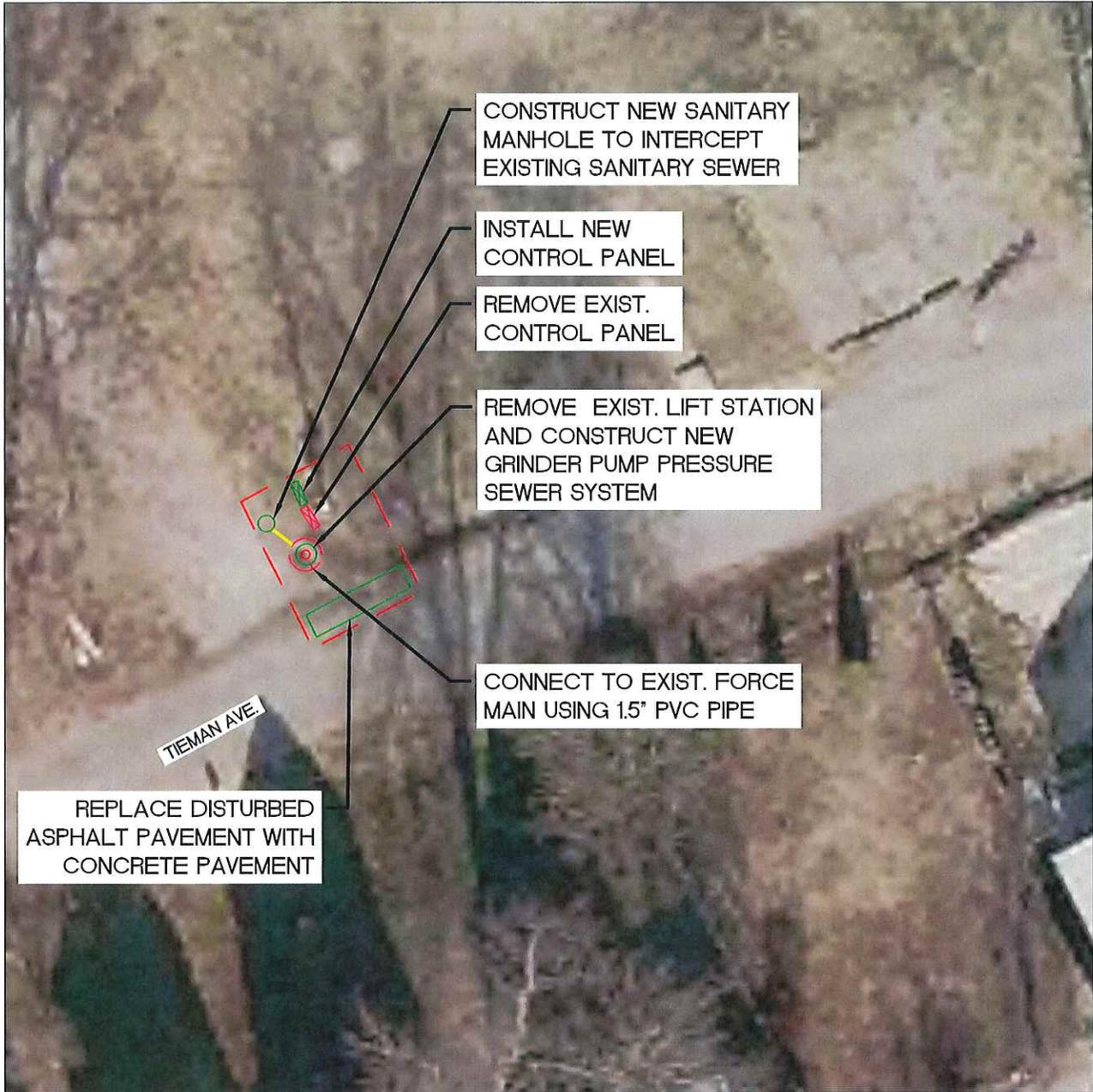
DIRECTOR: D. JOHNSON  
 PLOTTED BY: J. JOHNSON  
 DATE: APR 24, 2014

**VS ENGINEERING, INC.**  
 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. 9  
 TIEMAN AVE. LIFT STATION IMPROVEMENT PROJECT

## OVERALL LOCATION MAP

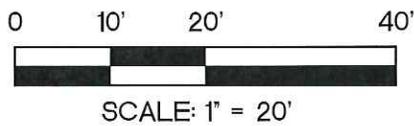
**EXHIBIT**  
**1**



AERIAL: WINTER 2010

**LEGEND**

-  PROP. SANITARY MANHOLE
-  PROP. SANITARY SEWER
-  PROP. FORCE MAIN
-  PROP. CONTROL PANEL
-  PROP. CONST. LIMITS
-  LIMITS OF ASPHALT RESTORATION
-  EXIST. LIFT STATION WET WELL
-  EXIST. CONTROL PANEL



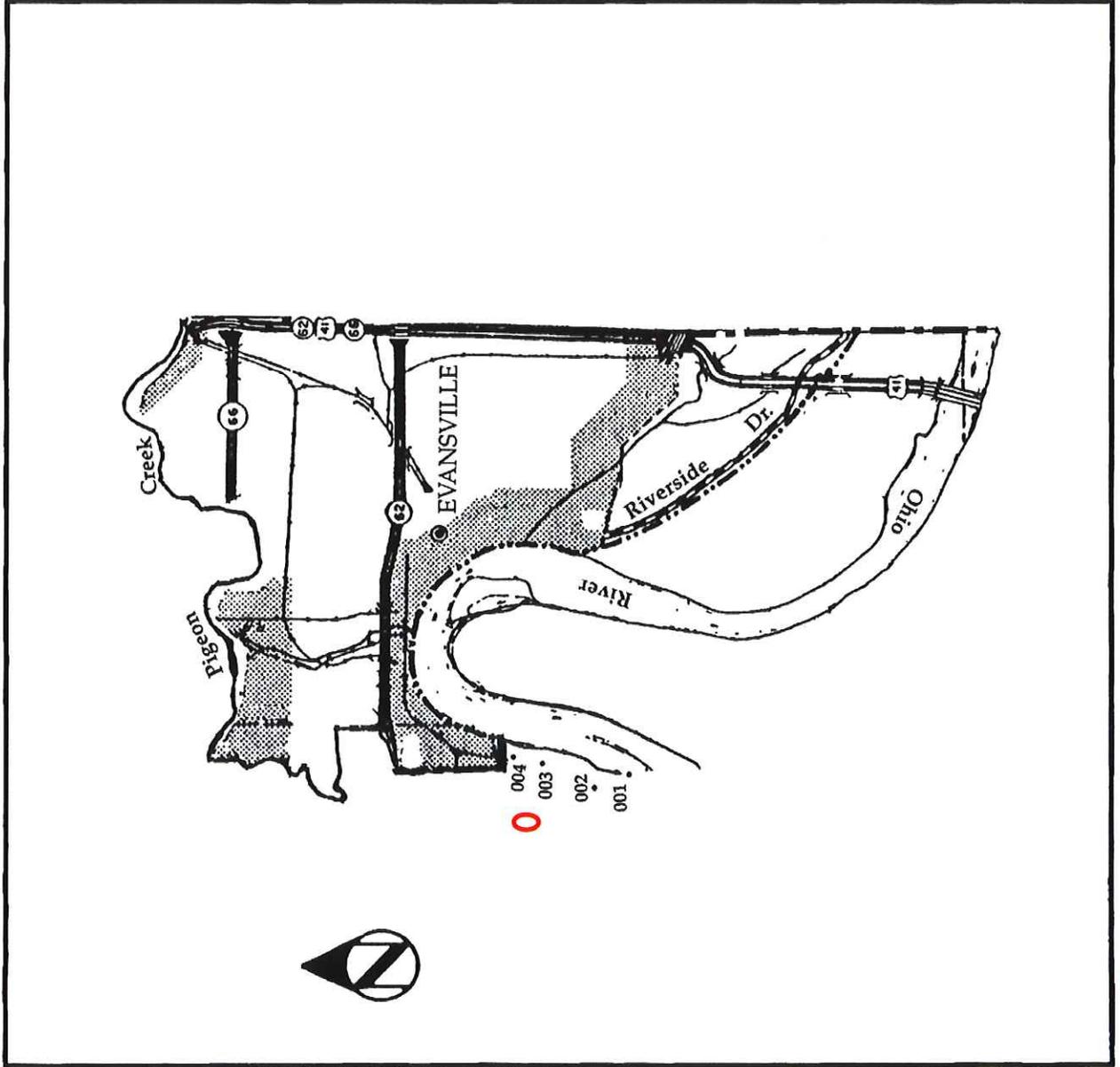
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 PLOTTED BY: J...  
 DATE: AUG 13, 2014 - 9:47am


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**PROPOSED SITE LAYOUT**

**EXHIBIT**  
**2**

# Pigeon Township (35001-004)



Pigeon Township, Vanderburgh County's smallest township, is located in the south central section of the county on a bend of the Ohio River. It was organized in 1818 and was named for Pigeon Creek which flows through the area. Pigeon Township includes the county seat of Evansville so that the township's history and development is closely associated to that of Evansville.

From the year 1812, when land was purchased for what was hoped to be a major regional shipping port, through its formative years and its eventual emergence as a thriving commercial and industrial center, Evansville has dominated the social, commercial, religious, industrial and political spheres of the tri-state area.

The city's development is reflected in its vast collection of significant historic buildings from the downtown's monumental government buildings to significant African-American and German neighborhoods, to the many gracious streetcar neighborhoods of the early twentieth century, to the scores of industrial buildings which employed the thousands of workers who flocked to the city. All these historic resources provide a glimpse into the evolution of one of the state's most architecturally significant cities.

When Hugh McGary purchased over 400 acres of wooded land on a bend in the Ohio River in 1812, he envisioned the development of major shipping center. By 1814, the community of Evansville was named the county seat of the newly organized Warrick County and its future looked bright. However, this optimism was short lived, the town lost its designation with the organization of two additional counties and Evansville languished until 1818 when Vanderburgh County was organized with Evansville as its county seat. By 1819, the town's population reached over 100 and during the following decade, Evansville took on the appearance

# Evansville Scattered Sites (54060-54142)

No.	Rtg.	Description
54060	C	House, 2652 Claremont Avenue; Bungalow, c.1927; Architecture (196)
54061	C	House, 2656 Claremont Avenue; Bungalow, c.1927; Architecture (196)
54062	C	House, 2746 Claremont Avenue; Bungalow, c.1930; Architecture (196)
54063	N	SIGECO Company Power Plant, 2600 Broadway Avenue; Art Deco, 1929 (Stevens and Wood, Inc., architect); Architecture, Engineering, Industry (196)
54064	C	House, 708 S. Barker Avenue; Bungalow, 1928; Architecture (196)
54065	C	House, 722 S. Barker Avenue; Bungalow, c.1915; Architecture (196)
54066	C	House, 2837 C Street; Vernacular, 1910; Vernacular/Construction (196)

