



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

ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

ALLEN COUNTY REGIONAL WATER & SEWER DISTRICT

SEPTIC SYSTEM RELIEF PROJECT BERNEWAY DRIVE AREA PRELIMINARY ENGINEERING REPORT STATE REVOLVING FUND PROJECT # WW14280206

DATE: December 1, 2014

TARGET APPROVAL DATE: December 31, 2014

I. INTRODUCTION

The above entity has applied to the State Revolving Fund (SRF) Loan Program for a loan to finance all or part of the wastewater project described in the Environmental Assessment (EA) attached to this Finding of No Significant Impact (FNSI). 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 in color at <http://www.in.gov/ifa/srf/>.

II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The SRF 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 target project approval date. 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:

Amy Henninger
Compliance Officer
State Revolving Fund -- IGCN 1275
100 N. Senate Ave.
Indianapolis, IN 46204
317-232-6566
ahenning@ifa.in.gov

**ENVIRONMENTAL
ASSESSMENT**

I. PROJECT IDENTIFICATION

Project Name: **Septic System Relief Project – 2014
Berneway Drive Area**
Allen County Regional Water & Sewer District
P.O. Box 11888
Fort Wayne, IN 46861-1888

SRF Project Number: WW14 28 02 06

Authorized Representative: Ric Zehr, President
Board of Trustees

II. PROJECT LOCATION

Allen County Regional Water & Sewer District (ACRWSD) is located in Allen County. The ACRWSD study area is the same as the 20-year service area and includes all of the unincorporated areas within Allen County. The district proposes to install sanitary sewer systems in the Berneway Drive Area in the Fort Wayne West USGS quadrangle, Wayne Township, T30N, R12E, sections 4 (Figure 2).

III. PROJECT NEED AND PURPOSE

Due to failing septic systems and more stringent septic system regulations, residents have approached the District regularly to have sewers extended to their areas. The Berneway Drive Area has eleven individual on-site septic systems. Five structures had no systems on file with the Fort Wayne – Allen County Department of Health (DOH). Five structures have filter bed systems that are over 20 years old and one structure has a filter bed system that is less than 20 years old. The DOH has documented six confirmed failures.

The DOH investigated the on-site systems in the proposed service area. In correspondence dated July 16, 2014, the DOH stated: “...*this Department has documentation of failed onsite systems that are creating public health hazards throughout these areas. Further, we recognize public sewer as the best solution to the problems in these areas, and fully support the ACRW&SD in their on-going efforts to eliminate these areas within Allen County that contain non-point source pollutants.*”

IV. PROJECT DESCRIPTION

The District intends to install a gravity sewer collection system to the area described above. The new collection system will discharge to the City of Fort Wayne for treatment (Figure 35C).

The Berneway Drive Area sanitary sewer system includes installing approximately:

1. 1,925 feet of 8-inch gravity sewer;
2. 100 feet of railroad crossing (casing and carrier pipe);
3. six (6) manholes;
4. 11 service wyes (8- x 6-inch);
5. 400 feet of 6-inch gravity sewer service lateral;
6. 80 square yards of asphalt pavement replacement;
7. 20 square yards of stone driveway repair; and
8. 20 square yards of asphalt driveway repair.

The Berneway Drive Area has an estimated 11 connections and an average design flow of 3,410 gallons per day (gpd) and an estimated peak flow of 13,640 gdp.

V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

A. Selected Plan Estimated Cost Summary

<u>Project Area</u>	<u>Estimated Cost</u>
Berneway Drive Sanitary Sewer System	<u>\$150,000</u>
Subtotal Construction Cost	\$150,000
Less \$30,000 Developer Contribution	(\$30,000)
Contingency	<u>\$15,000</u>
Total Estimated Construction Cost	\$135,000
Total Non-Construction Cost	<u>\$38,000</u>
Total Estimated Project Cost	\$173,000

- B. ACRWSD will borrow approximately \$173,000 for the Berneway Drive Area from the State Revolving Fund (SRF) Loan Program for a 20-year term at a fixed interest rate to be determined at loan closing.

As part of an interlocal agreement that has not been finalized as of this date, the flow from the area will discharge to the City of Fort Wayne for treatment and rates will be established. The SRF will not close the loan with the District until the interlocal agreement between the District and Fort Wayne is executed and submitted to the SRF.

VI. DESCRIPTION OF EVALUATED ALTERNATIVES

The No-Action alternative was eliminated from consideration for both project areas, since failing on-site septic systems would continue to discharge inadequately treated sewage into nearby streams or ditches and cause a potential public health problem.

In addition to the “No Action” alternative, the District evaluated gravity sewer and low pressure sewer systems.

VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

A. Direct Impacts of Construction and Operation

Disturbed and Undisturbed Areas: The district will be crossing an undisturbed private lot perpendicular to Berneway Drive and located west of Martindale Avenue. The construction corridor will be no greater than 30' and no less than 20' in areas where easements were solicited to move out of the existing roadway right-of-ways.

Structural Resources (Figure 33A and 35B): Construction and operation of the project will not alter, demolish or remove historic properties. 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 National Historic Preservation Act is: "no historic properties affected."

Surface Waters: The project will not adversely affect outstanding state resource waters listed in 327 IAC 2-1.3-3(d), exceptional use streams listed in 327 IAC 2-1-11(b), Natural, Scenic and Recreational Rivers and Streams listed in 312 IAC 7-(2), or Salmonid Streams listed in (327 IAC 2-1.5-5(a)(3) or streams on the Outstanding River List for Indiana.

Wetlands (Figure 35E): Wetlands will not be impacted by the construction or operation of the project.

100-Year Floodplain: No portion of the project will be performed or constructed within the 100-Year floodplain

Groundwater: The proposed projects will not impact groundwater. The installation of the proposed sewers may require dewatering during excavation of sewer trenches and grinder pumps.

Plants and Animals: The construction and operation of the sanitary sewer projects will not negatively impact state or federally listed endangered species or their habitat. Selected tree removal is scheduled to occur as part of this project primarily along the route of the sewer that will connect the sewer to the south of the CSX railroad tracks.

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

Air Quality: The proposed projects will not adversely affect air quality, other than temporary impacts due to dust and emission.

Open Space and Recreational Opportunities: The proposed project's construction will neither create nor destroy open space and/or recreational opportunities.

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

National Natural Landmarks: The construction and operation of the proposed projects will not impact National Natural Landmarks.

B. Indirect Impacts

The District's Preliminary Engineering Report (PER) states: *The proposed sanitary sewer system projects will allow the District to provide sewer service regions outside of established municipal service areas. The new sanitary sewage systems will eliminate failing, on-site septic systems and provide users with municipal sanitary sewer service. It is unknown whether or not these sanitary sewer systems will create or attract new development. It is dependent more so on the location of the service area and the availability of undeveloped land adjacent to the sewers within the new service area. The District will ensure, through the authority of its Board and local zoning laws, that future development will not adversely impact environmentally sensitive areas by enforcing the requirements and guidelines of the IDNR, U.S. Fish & Wildlife Service, IDEM, and the Allen County Drainage Board.*

C. Comments from Environmental Review Authorities

In correspondence dated June 12, 2014 the Natural Resources Conservation Service stated (addressing seven sewer extension projects including the Berneway Drive project): *The proposed project regarding the construction of new low pressure sanitary collection sewers coupled with grinder pumps and gravity sewers in the Allen County Regional Water & Sewer District in Allen County, Indiana as referred to in your letter received June 4, 2014, will cause a conversion of prime farmland.*

Farmland impacts will be confined to the Allen County Yoder Area project, which is not the subject of this Environmental Assessment.

The Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology (DHPA), in correspondence dated October 14, 2014, stated: *Pursuant to IC 13-18-21 and 327 IAC 14 and Section 106 of the National Historic Preservation Act (16 USC 470f) and 36 CFR Part 800, the Indiana State Historic Preservation Officer is conducting an analysis of the materials dated September 15, 2014 and received by the Indiana SHPO on September 16, 2014, for the above referenced projects (including the Allen County Yoder Area project)...*

Based on the information provided to our office, we do not believe that there will be any alterations to the characteristic of the above identified historic properties qualifying them for inclusion in or eligibility for the National Register.

In terms of archaeology, no currently known archaeological resources eligible for inclusion in the National Register of Historic Places have been recorded within the proposed project area. No further archaeological investigations appear necessary.

If any prehistoric or historic archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law (IC 14-21-1-27 and 29) requires that the discovery must be reported to the Department of Natural Resources within two (2) business days. In that event, please call (317)232-1646. Be advised that adherence to IC 14-21-1-27 and 29 does not obviate the need to adhere to applicable federal statutes and regulations.

The U.S. Fish and Wildlife Service, in correspondence dated September 10, 2014, stated: *The proposed project consists of the installation of an 8-inch gravity sewer to serve a small residential area along Berneway and Martindale Avenue north of the CSW Railroad and east of Hillegas Road in west-central Fort Wayne. The gravity sewer would cross under the railroad in order to connect with an existing 8-inch sewer in a commercial/ industrial area in the northeast quadrant of the Hillegas Road- Illinois Road intersection. The sewer is proposed to be installed utilizing the open-cut method within a new right-of-way "no greater than 60' and no less than 40'"*

The residential area that would be served by this sewer appears to be less than 12 houses, nestled within a large tract of woodlands. The majority of the woodland is protected in perpetuity as the 110-acre Lindenwood Nature Preserve, a component of the Fort Wayne Parks and Recreation

Department that is also a Dedicated State Nature Preserve. The enclosed brochure provides information about Lindenwood Nature Preserve, which includes the 2-acre pond about 300 feet northeast of the end of Martindale Avenue. The fence line of the Preserve can be seen coursing through the woodland in the graphic provided...

The woodland that would be cleared within a right-of-way 40 to 60 feet wide in order to construct the sewer is the same oak-hickory type protected within Lindenwood Nature Preserve and as such is a remnant of the native forest that originally was present in what is now Fort Wayne. Even though this portion of the woodland is not protected, it is contiguous with the protected Preserve and provides the same valuable habitat for wildlife, particularly migratory birds, as does the Preserve.

We were not provided information on why an open-cut project has been proposed, given that the sewer would need to be installed under the CSX Railroad utilizing jack-and-bore or horizontal directional drilling. Therefore, the entire project should utilize HD and a smaller force main, such as a 4-inch diameter pipe. Given the few houses that would be served by this sewer, a small force main should be sufficient rather than a large gravity sewer. A small force main could be installed along the proposed route or could come from Hillegas Road from the west.

The US Fish and Wildlife Service strongly opposes the project as proposed. The project would destroy old-growth woodland along Berneway and between that road and the CSX Railroad, with the amount of clearing unknown at this time but still significant given the scarcity of this habitat type within the Fort Wayne area. The fact that the site is adjacent to a State Nature Preserve makes the loss even more significant. There is no mitigation available that would compensate for the loss of a portion of this mature woodland.

*ENDANGERED SPECIES: The proposed project is within the range of the Federally endangered Indian bay (*Myotis sodalis*) and rayed bean mussel (*Villosa fabalis*), the proposed endangered northern long-eared bat (*Myotis septentrionalis*), and the candidate eastern massauga rattlesnake (*Sistrurus catenatus*). There is no known habitat for any of these species within the proposed project area, so we agree that the proposed project is not likely to adversely affect these endangered, proposed endangered, and candidate species.*

This precludes the need for further consultation on this project as required under Section 7 of the Endangered Species Act of 1973, as amended. However, should new information arise pertaining to the project plans or a revised species list be published, it will be necessary for the Federal agency to reinitiate consultation.

The IDNR Environmental Unit, in correspondence dated September 8, 2014, stated:

County/Site info: Allen, The Indiana Department of Natural Resources has reviewed the above referenced project per your request. Our agency offers the following comments for your information and in accordance with the National Environmental Policy Act of 1969.

If our agency has regulatory jurisdiction over the project the recommendations contained in this letter may become requirements of any permit issues. If we do not have permitting authority, all recommendations are voluntary.

Regulatory Assessment: *Format approval by the Department of Natural Resources under the regulatory programs administered by the Division of Water is not required for this project.*

Natural Heritage Database: *The Natural Heritage Programs' data have been checked. The high quality natural areas and species below have been documented within ½ mile north of the project area. The Divisions of Nature Preserves do not anticipate any impacts to the Nature Preserve or natural communities as a result of this project.*

- A) *MANAGED LAND*; Lindenwood Nature Preserve
- B) *COMMUNITIES*: 1. Dry-Mesic Upland Forest 2. Mesic Upland Forest
- C) *ANIMAL*: Kirtland's Snake (*Clonophis kirtlandii*) state endangered

Fish & Wildlife Comments: Avoid and minimize impacts to fish, wildlife, and botanical resources to the greatest extent possible, and compensate for impacts. The following are recommendations that address potential impacts identified in the proposed project area.

- 1) *Directional Boring: Directional boring is the recommended method for crossing heavily forested parcels and streams with utility lines. The directional boring method would significantly reduce potential impacts to the Kirtland's Snake and forested habitat. If directional drilling can be used, there are no restrictions necessary to minimize impacts to this species.*

Equip directional drilling pits with erosion controls such as silt fencing or other appropriate devices such that drilling mud does not leave the immediate area of the pit or enter the stream.

- 2) *Open-trench: The Division of Fish Wildlife understands directional boring is not always an option. If the open trench method will be used, consider installing the line along the north side of Berneway to reduce impacts to forested habitat. Also, the utility line should be installed and revegetated as quickly as possible.*

To minimize impacts to the Kirtland's snake when using the open-trench method, any excavation/ digging should only take place between April 1 and October 31 to avoid harming hibernating snakes. One week prior to the start of construction, a trenched-in silt fence should be placed around any areas where excavation or digging will occur. Before the silt fence is installed, all logs, trash, or other debris should be removed from the construction areas to keep snakes from hiding under the debris. Any equipment, materials, or debris that is left in the area overnight should be checked for the presence of Kirtland's snakes prior to the start of work each day. Any vegetation to be removed should also be done either one week prior to construction, or preferably between October and April before construction, if possible.

Any reptiles or amphibians encountered in the project area should be removed, unharmed, and immediately placed outside the construction area. Removal of any state endangered species and eastern box turtles will require a permit issued by the Division of Fish and Wildlife. Please contact Linnea Petercheff at (317) 233-6527 or lpetercheff@dnr.in.gov regarding this permit, if needed.

- 3) *Post Construction Maintenance: If the utility area is to be maintained, maintain as narrow of an area as needed. The remaining acreage within the right-of-way/ easement should be revegetated after construction using a mixture of grasses, sedges, wildflowers, shrubs, and trees native to Northern Indiana. Do not mow, cut, or spray the area.*

The additional measures listed below should be implemented to avoid, minimize, or compensate for impacts to fish, wildlife, and botanical resources:

- 1. *Revegetate all bare and disturbed areas with a mixture of grasses (excluding all varieties of tall fescue) and legumes as soon as*

- possible upon completion; low endophyte tall fescue may be used in the ditch bottom and side slopes only.*
2. *Minimize and contain within the project limits all tree and brush clearing.*
 3. *Do not cut any trees suitable for Indiana bat roosting (greater than 3 inches dbh, living or dead, with loose hanging bark) from April 1 through September 30.*
 4. *Appropriately designed measures for controlling erosion and sediment must be implemented to prevent sediment from entering the stream or leaving the construction site; maintain these measures until construction is complete and all disturbed areas are stabilized.*
 5. *See and protect all disturbed streambanks and slopes that are 3:1 or steeper with erosion control blankets (follow manufacturer's recommendations for selection and installation); seed and apply mulch on all other disturbed areas.*
 6. *Plant five native trees, at least 2 inches in diameter-at-breast height, for each tree which is removed that is ten inches or greater in diameter-at-breast height.*

VIII. MITIGATION MEASURES

The District's PER lists the following mitigation measures:

The project areas will comply with IDEM's Rule 5 requirements with respect to the mitigation of soil erosion and a detailed plan will be submitted for approval with the completed construction plans and specifications. Mitigation measures cited in typical comment letters from the Indiana Department of Environmental Management concerning the use of straw bale barriers, silt fencing or earthen berms to prevent soil erosion will be incorporated into the erosion control plans and specifications and implemented during construction. Careful preparation of the plans and specifications will ensure that soil erosion is kept to a minimum.

Any permit issued for construction activity within a wetland may require mitigation for the replacement of the habitat lost from the construction activity. Mitigation would include the restoration or creation of wetland at least as large as the site affected. Obtaining construction permits in wetland areas when other upland sites are available is also difficult...No structures associated with the proposed projects will be constructed on Wetland identified on the NWI map.

Mitigation measures concerning soil erosion cited in typical comment letters from IDEM and the Indiana Department of Natural Resource will be implemented during construction.

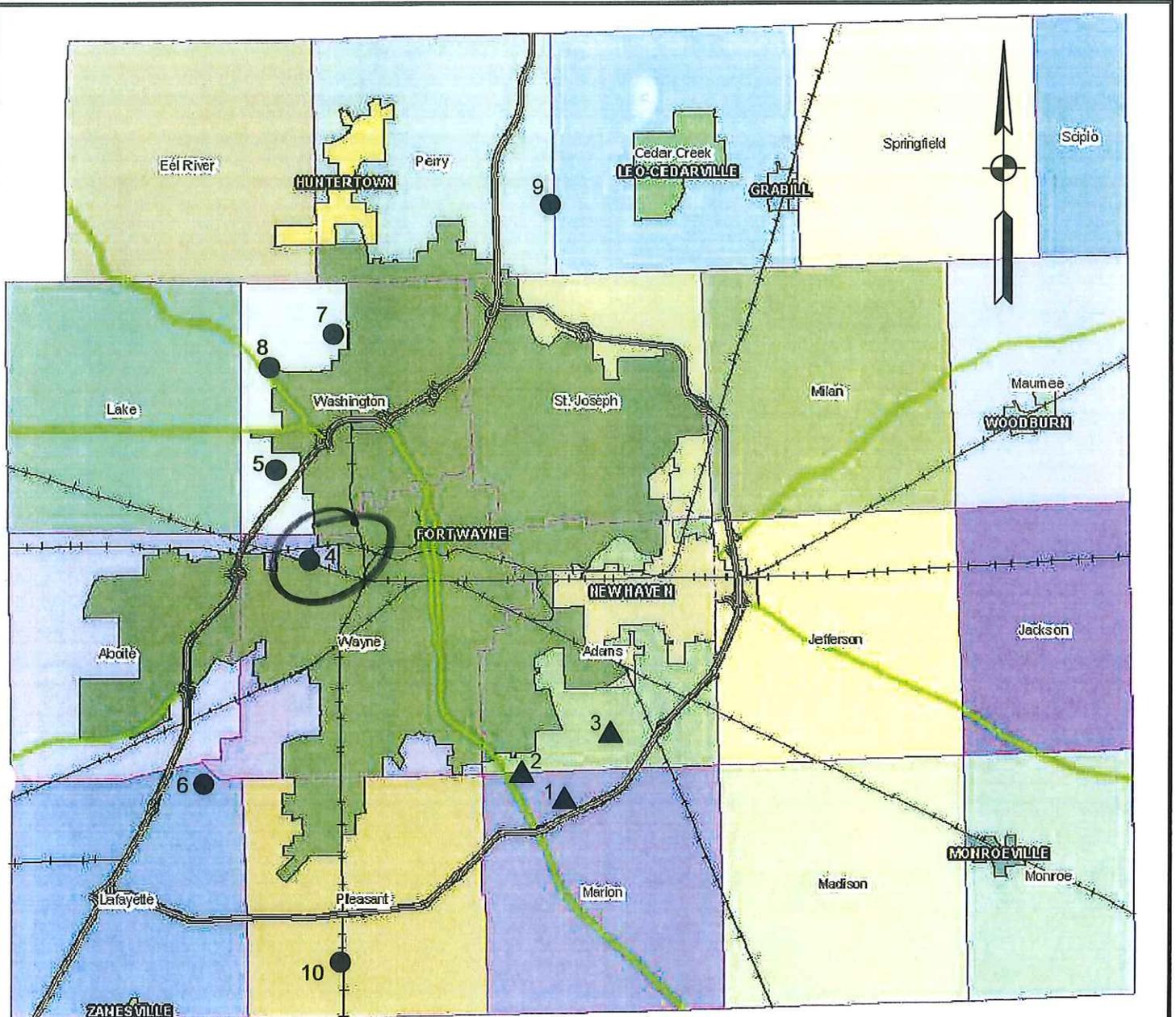
To minimize non-conformance with 326 IAC 6-4, "Fugitive Dust Emissions", reasonable and proper construction techniques and clean-up practices will be provided. In addition, wetting, sweeping streets and/or chemical stabilizers (calcium chloride) will be used to control dust generated during all phases of the proposed projects. Please note that 326 IAC 6-4-6(3) provides for an exception of the Rule "...from construction or demolition activity where every reasonable precaution has been taken in minimizing fugitive dust emissions." Exhausts of construction equipment will be required to have mufflers for noise and air pollution abatement.

Mitigation measures exist for this project as relates to tree removal and stream crossings. The District will make every effort to comply with the mitigation measures previously discussed as well as any new measures set forth in the formal environmental evaluation..

In supplemental documentation to the PER dated November 17, 2014 the community states: *With regard to the Berneway Service Area, we have examined several ways to mitigate the impact to the trees due to concerns set forth by USFW and at this point it is not possible to completely bore the area of the trees due to constraints with respect to alignment and the railroad crossing. Furthermore, it has always been the District's policy to extend conventional gravity sewers into new service areas whenever possible to avoid the future long term operation and maintenance costs associated with grinder pumps and a pressure collection system. In an effort to mitigate to the greatest extent possible the potential tree clearing, we will ensure through the design that the larger bore pit associated with the proposed cased crossing of the existing railroad be placed on the south side of the tracks and that the smaller receiving pit be located to the north of the tracks. Alignment north of the tracks will be set forth to the greatest extent possible through the least dense portion of the woods to further mitigate tree removal impacts to the area.*

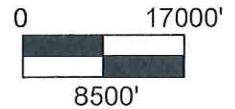
IX. PUBLIC PARTICIPATION

A properly publicized public hearing was held at 12:30 p.m., on June 25, 2014, at the Commissioner's Courtroom Suite 035 located in the Citizen's Square Building. There were no questions raised during the hearing and the city received no written comments in the ten day post-hearing period.



▲ LOCATIONS - HESSEN CASSEL CONSOLIDATION - 2014

● LOCATIONS - SEPTIC SYSTEM RELIEF PROJECTS - 2014



- | | |
|--|--|
| 1 - TRENTMAN-THOMPSON RD. SERVICE AREA | 4 - BERNEWAY DR. SERVICE AREA |
| 2 - U.S. 27-MAPLES-JENNIFER DR. SERVICE AREA | 5 - GERDING WOODLAND-KROEMER-LEESBURG RD. SERVICE AREA |
| 3 - ADAMS CENTER-PAULDING-TILLMAN RD. SERVICE AREA | 6 - WHIPPORWILL-LOWER HUNTINGTON RD. SERVICE AREA |
| | 7 - WALLEN COMM-WALLEN RD. SERVICE AREA |
| | 8 - GOSHEN-FRITX-COOK-STEELE SERVICE AREA |
| | 9 - TONKEL-HURSH-MARS-CRAWFORD RD. SERVICE AREA |
| | 10 - YODER SERVICE AREA |



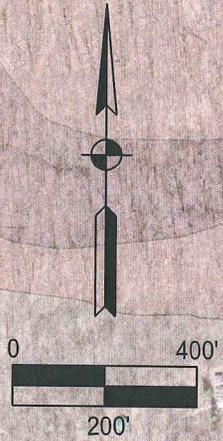
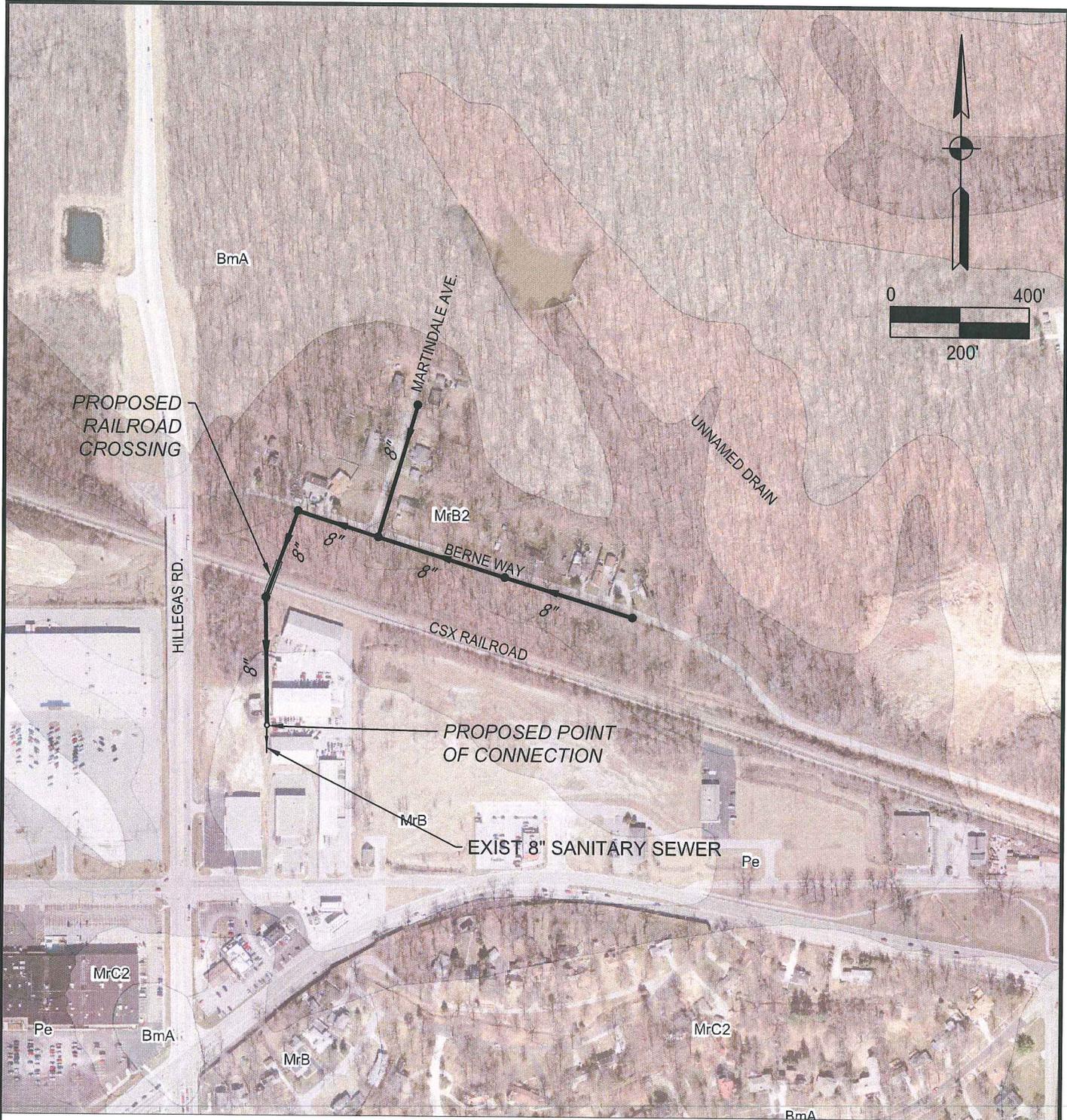
7256 Company Dr. Indianapolis, IN 46237 (317) 858-1177
 101 Plaza East Blvd. Ste 200 Evansville, IN 47715 (812) 474-1177
 9604 Coldwater Rd. Ste 203 Fort Wayne, IN 46825 (260) 494-3223

ACRWS - PRELIMINARY ENGINEERING REPORT
 SEPTIC SYSTEM RELIEF PROJECTS - 2014

FIGURE 2 - GENERAL PROPOSED DISTRICT SERVICE AREAS - ALLEN COUNTY

FIGURE

2



LEGEND

- EXISTING SANITARY WITH MANHOLE
- PROPOSED GRAVITY SEWER WITH MANHOLE

MAP SOURCE:
ALLEN COUNTY GIS - SOILS MAP

REVISED 8/18/14



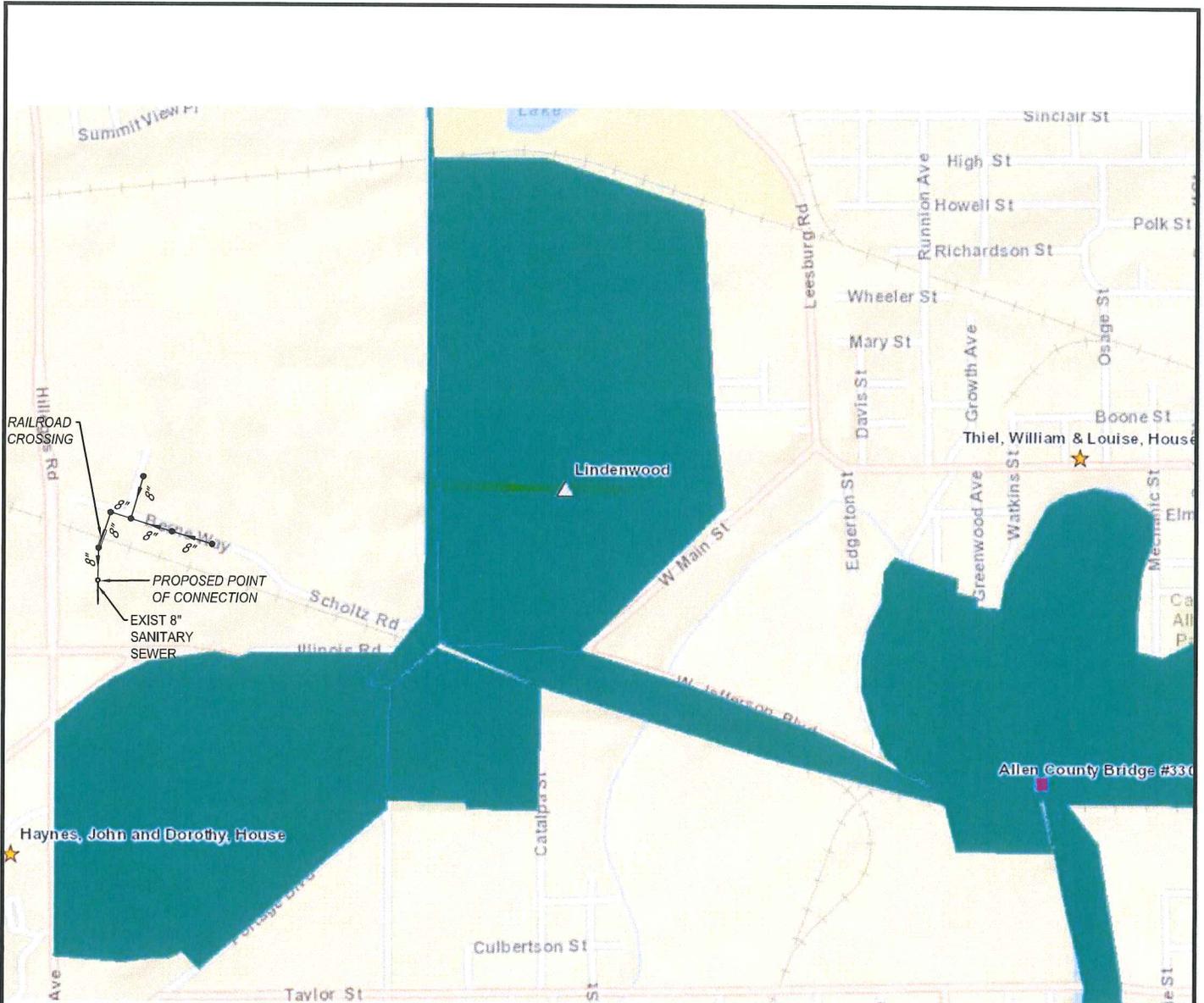
7250 Company Dr. Indianapolis, IN 46237 (317) 888-1177
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 9694 Coldwater Rd. Ste. 203 Fort Wayne, IN 46825 (260) 494-3223

ACRWSD - PRELIMINARY ENGINEERING REPORT
SEPTIC SYSTEM RELIEF PROJECTS - 2014

FIGURE

FIGURE 35C - BERNEWAY DRIVE
PROPOSED SERVICE AREA - SOILS MAP

35C



LEGEND

- EXISTING SANITARY WITH MANHOLE
- PROPOSED GRAVITY SEWER WITH MANHOLE
- ◆ Override 1
- △ Cemeteries
- Outstanding
- Notable
- Contributing
- Non-Contributing
- Demolished
- Unknown
- Unknown
- Outstanding
- Demolished
- Unknown
- National Register Sites
- Contributing
- Non-Contributing
- Demolished
- Unknown
- Historic Districts
- World Street Map



NO SCALE

MAP SOURCE:
INDIANA DNR - SHAARD GIS

REVISED 8/18/14

7256 Company Dr.
Indianapolis, IN 46237
(317) 886-1177

101 Plaza East Blvd, Ste. 200
Evansville, IN 47715
(812) 474-1177

9604 Cokewater Rd, Ste. 203
Fort Wayne, IN 46825
(260) 494-3223

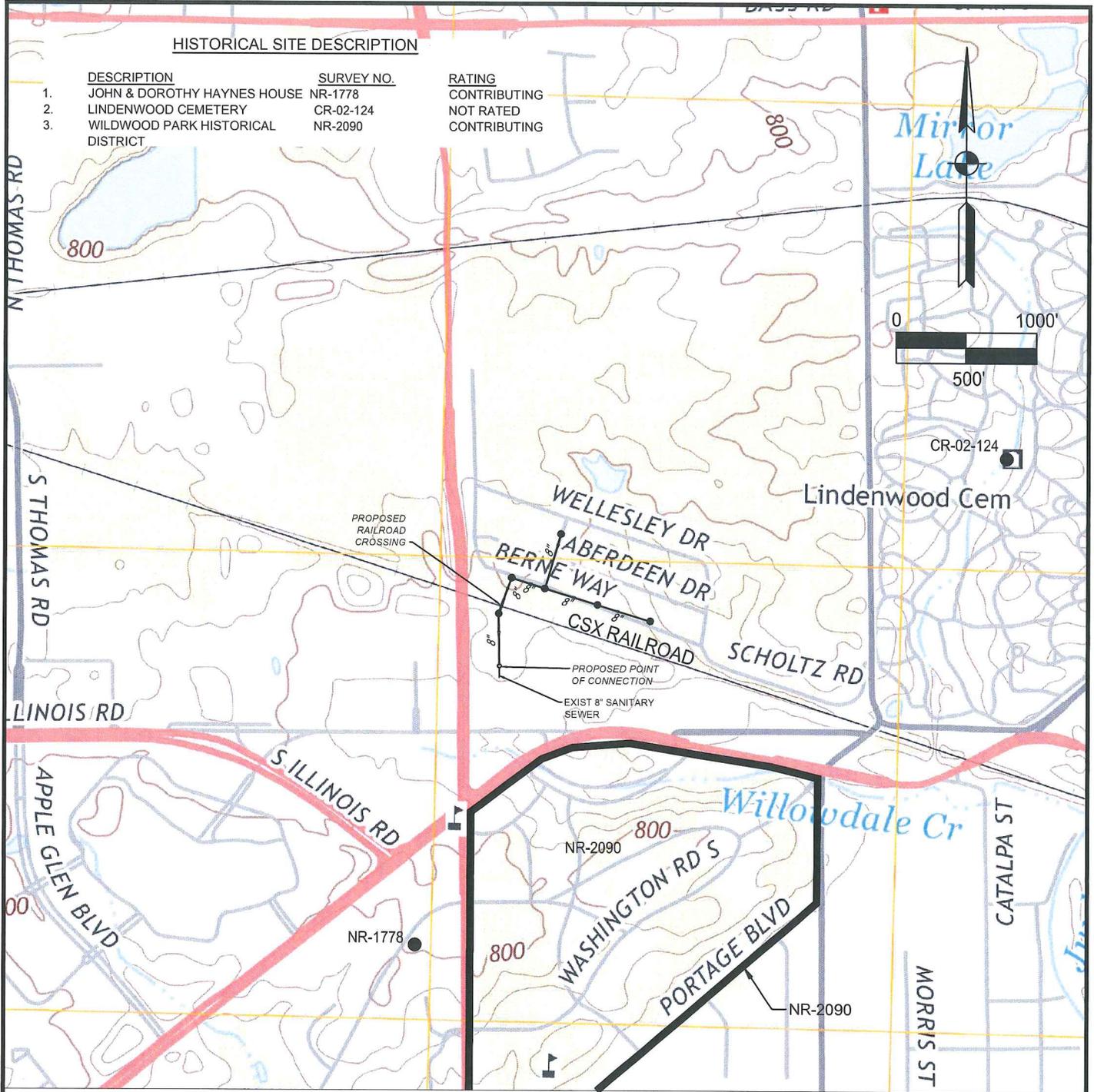
ACRWS - PRELIMINARY ENGINEERING REPORT
SEPTIC SYSTEM RELIEF PROJECTS - 2014

**FIGURE 33A - BERNEWAY DRIVE
PROPOSED SERVICE AREA - HISTORICAL SITES**

FIGURE
33A

HISTORICAL SITE DESCRIPTION

	DESCRIPTION	SURVEY NO.	RATING
1.	JOHN & DOROTHY HAYNES HOUSE	NR-1778	CONTRIBUTING
2.	LINDENWOOD CEMETERY	CR-02-124	NOT RATED
3.	WILDWOOD PARK HISTORICAL DISTRICT	NR-2090	CONTRIBUTING



LEGEND

- EXISTING SANITARY WITH MANHOLE
- PROPOSED GRAVITY SEWER WITH MANHOLE

MAP SOURCE:
USGS - 2013 FORT WAYNE WEST QUADRANGLE, IN, 7.5-MINUTE

REVISED 8/18/14



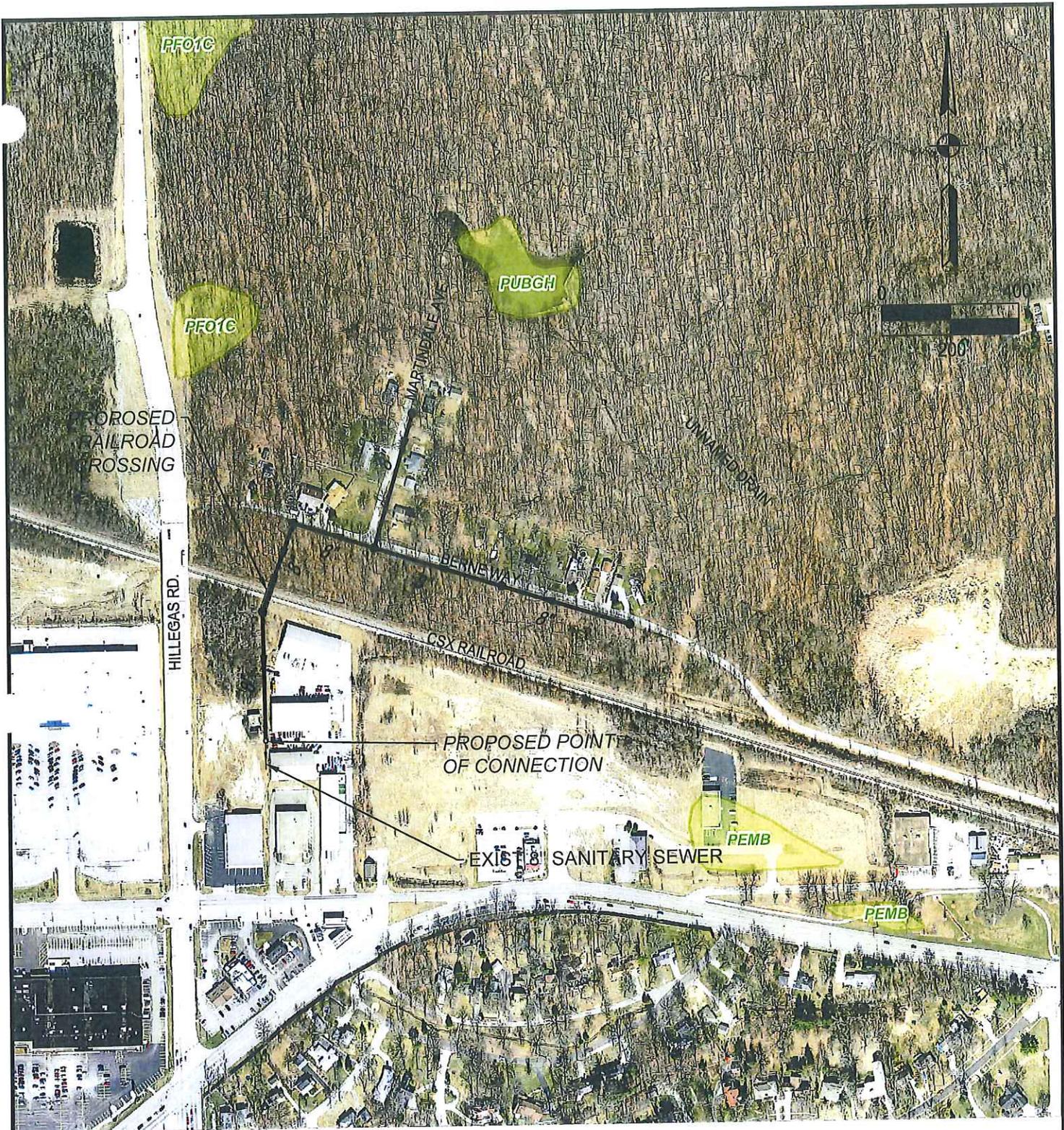
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ACRWSD - PRELIMINARY ENGINEERING REPORT
SEPTIC SYSTEM RELIEF PROJECTS - 2014

**FIGURE 35B - BERNEWAY DRIVE
PROPOSED SERVICE AREA -
TOPOGRAPHY MAP W/ HISTORICAL SITES**

FIGURE

35B



LEGEND

- EXISTING SANITARY WITH MANHOLE
- PROPOSED FORCEMAIN

MAP SOURCE:
ALLEN COUNTY GIS - WETLANDS



7256 Company Dr Indianapolis, IN 46237 (317) 888-1177
101 Plaza East Blvd Ste 209 Evansville, IN 47715 (812) 474-1177
9604 Coldwater Rd Ste 203 Fort Wayne, IN 46825 (260) 494-3223

ACRWSD - PRELIMINARY ENGINEERING REPORT
SEPTIC SYSTEM RELIEF PROJECTS - 2014

FIGURE 35E - BERNEWAY DRIVE
PROPOSED SERVICE AREA - WETLANDS MAP

FIGURE

35E