



State Revolving Fund Loan Programs

Drinking Water, Wastewater, Nonpoint Source

ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

CITY OF CROWN POINT Addendum No. 1 SRF PROJECT WW 14 33 45 04

DATE: July 21, 2016

TARGET PROJECT APPROVAL DATE: August 22, 2016

I. INTRODUCTION

The above entity has applied to the Clean Water State Revolving Fund (SRF) Loan Program for a loan to finance all or part of the wastewater project described in the accompanying Environmental Assessment (EA). 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 at <http://www.in.gov/ifa/srf/>.

II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The SRF Clean Water Program 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 approval date above. 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:

April Douglas
Senior Environmental Manager
State Revolving Fund
100 N. Senate Ave. IGCN 1275
Indianapolis, IN 46204
317-234-7294; adouglas@ifa.in.gov

ENVIRONMENTAL ASSESSMENT

I. PROJECT IDENTIFICATION

Project Name and Address: **Addendum No. 1
Indiana Avenue/Greenview Place
Sewer Replacement
City of Crown Point
101 N. East Street
Crown Point, IN 46307**

SRF Project Number: WW 14 33 45 04

Authorized Representative: The Honorable David Uran, Mayor

II. PROJECT LOCATION

The project is located in Lake County, Center Township, Crown Point USGS Quadrangle, township 34N, range 8W, section 16. See Figures 1 and 2.

III. PROJECT NEED AND PURPOSE

The intersection of Indiana Avenue and Greenview Place experiences both sewage back-up into area residences and flooding during rain events. Flooding poses potential hazards to traffic at the intersection and combined sewage should not be permitted to back-up into homes. The City proposes to route more storm water out of the intersection during storm events. The flow through the existing east trunk line routes through the Broadway Street Lift Station and continues to the Madison Street Lift Station. Due to the additional flows desired to be redirected through this trunk line, the capacity of Broadway Street Lift Station will need to be increased. This capacity increase has been designed and is included as a part of the City's Long Term Control Plan project.

IV. PROJECT DESCRIPTION

The pipe will be increased from 8" to 12". This pipe will route additional storm flows to the east trunk line. Either open cut construction or pipe bursting will be used to install the new pipe in this area. Excavation will be minimized to cause the least impact possible to the stream. The limits of disturbance is estimated at 10 feet wide. It is anticipated that trenching will be done using shoring or benching in order to minimize the limits of disturbance. All disturbed ground will be returned to the original state as soon as possible after work is complete.

V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

City of Crown Point will finance the projects estimated cost of \$55,000 with funds from an existing loan from the State Revolving Fund Loan Program.

VI. DESCRIPTION OF EVALUATED ALTERNATIVES

The “**No Action**” alternative is not practical, environmentally sound nor economical. Continued use of the existing 8” pipe would lead to continued backups and flooding of the area as the pipe has insufficient capacity to handle flow, which would not address the Long Term Control Plan.

Intersection Improvements: The pipe will be increased from 8” to 12”. This pipe will route additional storm flows to the east trunk line. This is the selected alternative to relieve storm water from entering the combined sewer.

VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

A. Direct Impacts of Construction and Operation

Disturbed/Undisturbed Land: The land is previously disturbed by previous construction activity and the project will be implemented in the right of way.

Structural Resources: 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.

It is anticipated that the project will cross the ditch and that dewatering will be required for installation of the 12” pipe. This water will be conveyed to an adjacent storm sewer. Bypass pumping is also anticipated. Sewage will be conveyed to a sanitary manhole.

Wetlands (Figure 3): Figure 3 indicates that the ditch is located a bit further south than shown by the National Wetland Inventory, and as such the project does cross the ditch. The ditch is a riverine wetland and will be temporarily impacted by the project.

Mitigation measures to lessen and compensate for wetland impacts cited in comment letters about the project from the Indiana Department of Natural Resources and the U.S. Fish and Wildlife Service will be implemented.

Floodplain: The project will not include dredge or fill in the floodway without a permit from IDNR Division of Water. No change in grade will occur within the floodplain.

Groundwater: The project will not impact a drinking water supply or sole source aquifer.

Plants and Animals: A 12” and 18” storm and sanitary sewer currently exist in the potential cross country route through the ravine area in an established utility corridor. Any overgrown bush within the utility corridor will be removed for the replacement and installation of the sewers.

Prime Farmland: The project will not convert prime farmland.

Air Quality: Construction activities may generate some noise, fumes and dust, but should not significantly affect air quality.

Open Space and Recreational Opportunities: The project will neither create nor destroy open space or recreational opportunities.

Lake Michigan Coastal Program: The project will affect the Lake Michigan Coastal Zone.

National Natural Landmarks: Construction and operation of the proposed project will not affect National Natural Landmarks.

B. Indirect Impacts

The city's Addendum No. 1 states: *The City of Crown Point, through the authority of its council, planning commission, or other means will ensure that future development, as well as future collection system or treatment works projects connecting to SRF-funded facilities, will not adversely impact wetlands, wooded areas, steep slopes, archaeological/historical/structural resources or other sensitive environmental resources. The City will require new development and treatment works projects to be constructed within the guidelines of the U.S. Fish and Wildlife Service, IDNR, IDEM, and other environmental review authorities.*

C. Comments from Environmental Review Authorities

This is the first notice to the United States Fish and Wildlife Service and the Department of Natural Resources Environmental Unit. The Natural Resources Conservation Service was not contacted because the proposed project will not cause a conversion of prime farmland.

In correspondence dated July 8, 2016, the Indiana Department of Natural Resources Division of Historic Preservation and Archaeology stated:

Pursuant to IC 13-18-21 and 327 IAC 14 and Section 106 of the National Historic Preservation Act (54 U.S.C. § 306108) and 36 C.F.R. Part 800, the Indiana State Historic Preservation Officer ("Indiana SHPO") is conducting an analysis of the materials dated July 8, 2016 and received by the Indiana SHPO on the same day, for the above indicated project in Crown Point, Center Township, Lake County, Indiana.

Based on our analysis, it has been determined that no historic properties will be altered, demolished, or removed by the proposed project. No archaeological investigations appear necessary provided that all project activities remain within areas disturbed by previous construction.

As stated in our letter dated June 16, 2016, we note that project activities may be within 100 feet of a cemetery (CR-45-80, Historic Maplewood Cemetery). Please be aware of the cemetery development plan requirement in Indiana Code 14-21-1-26.5 ... regarding ground disturbance within 100 feet of a cemetery. In addition, please be aware of the restrictions on utility construction in Indiana Code (IC) 23-14-44-1 ...

If any prehistoric or historic archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law (Indiana Code 14-21-1-27 & 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 Indiana Code 14-21-1-27 & 29 does not obviate the need to adhere to applicable federal statutes and regulations, including not but limited to 36 C.F.R. Part 800.

VIII. MITIGATION MEASURES

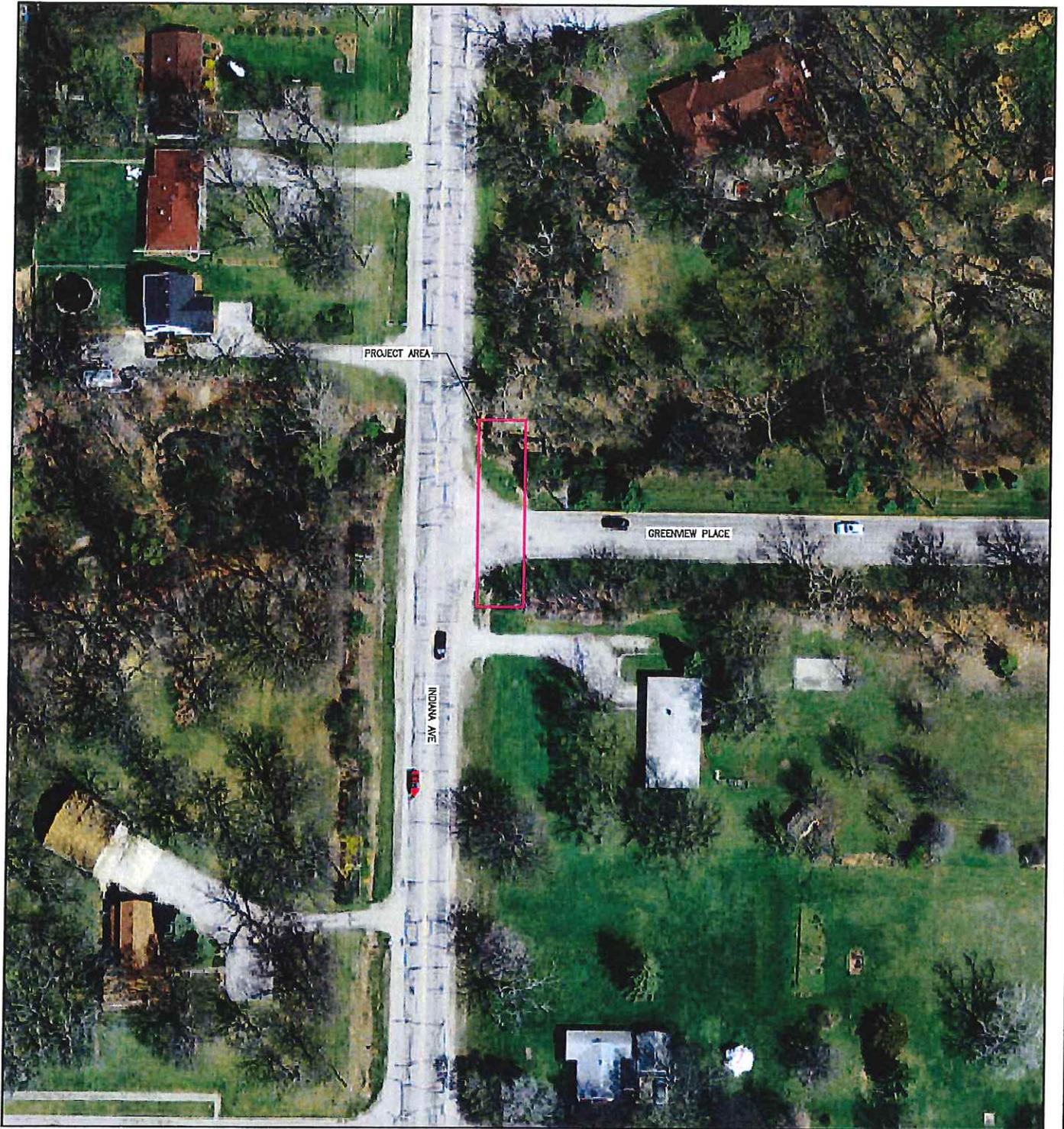
The City of Crownpoint's Addendum No. 1 states:

The majority of the environmental impacts will occur during construction of the proposed improvements. These issues will be temporary in nature, since no significant impacts to environmental, historical, or other regulated resources are involved. These temporary construction impacts include the potential for noise, dust, and construction site erosion. Provisions will be included in the construction specifications to limit such problems and to provide erosion control in accordance with current state standards. The work is expected to be completed during normal working hours, restricting any work related nuisances to those hours. All construction equipment will be required to have mufflers to reduce noise pollution. Additionally, reasonable and proper construction techniques and clean up practices will be required by the contractor to reduce dust emissions. Proper surface wetting practices will be required. Erosion control measures including seeding, drainage inlet protection, and silt fencing will also be utilized.

IX. PUBLIC PARTICIPATION

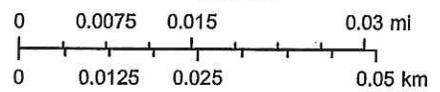
A public notice was published on July 15, 2016 in the Northwest Indiana Times. No written comments were received during the 5-day comment period following the public notice.

Figure 1 - Indiana Ave. and Greenview Place



June 9, 2016

1:1,000

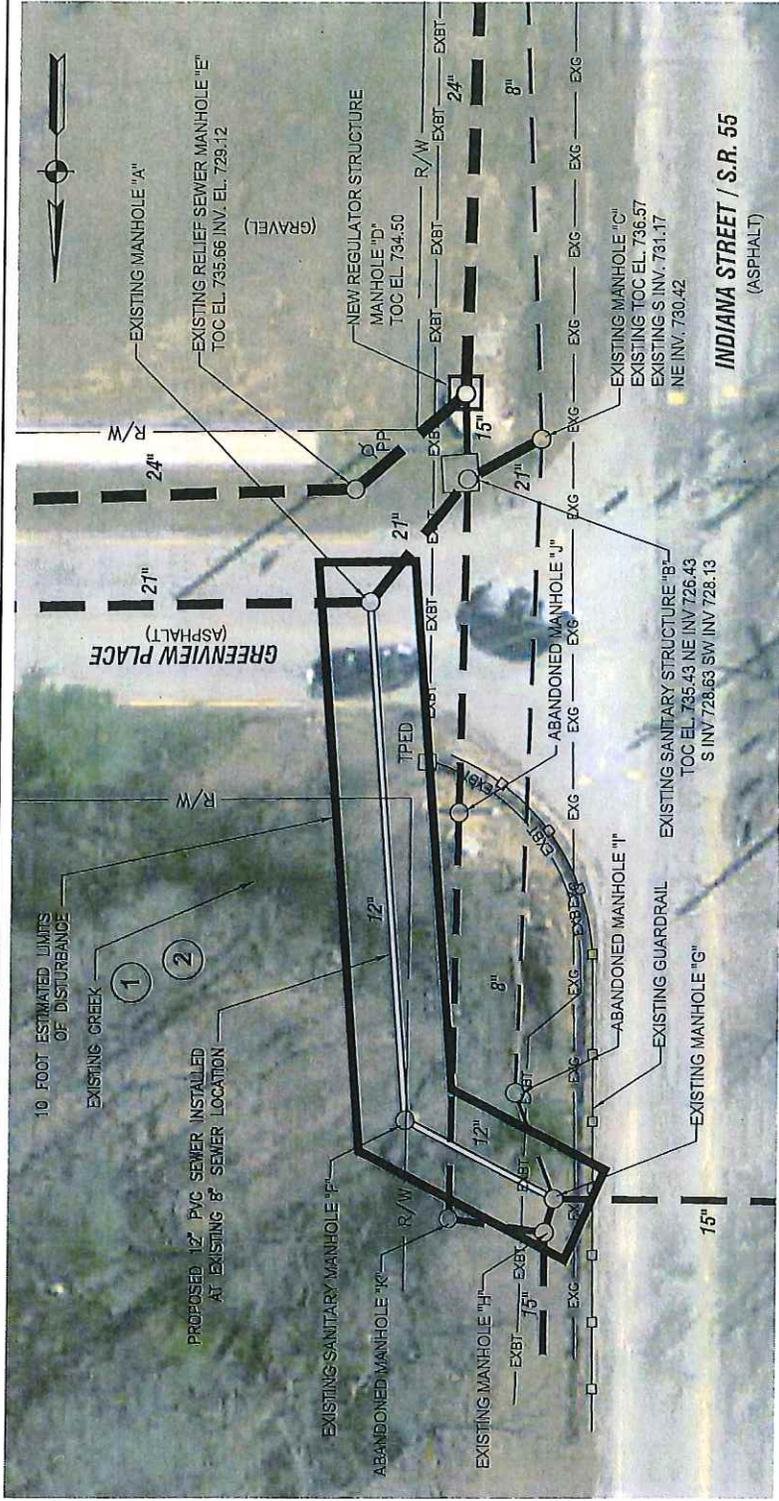


COMMONWEALTH
ENGINEERS, INC.

CITY OF CROWN POINT, INDIANA
PER ADDENDUM NO. 1
WASTEWATER TREATMENT PLANT IMPROVEMENTS PROJECT
INDIANA AVE. AND GREENVIEW PLACE

CODED NOTE:

- 1 - CONTRACTOR SHALL CONFIRM PRIOR TO CONSTRUCTION ACTIVITIES OR ORDERING OF MATERIALS IF EXISTING PIPE CASING EXISTS AT CREEK CROSSING.
- 2 - INSTALL 24" STEEL CASING AROUND NEW 12" SEWER MAIN IF THERE IS NO CASING PRESENTLY INSTALLED FOR THE EXISTING SEWER PIPING.

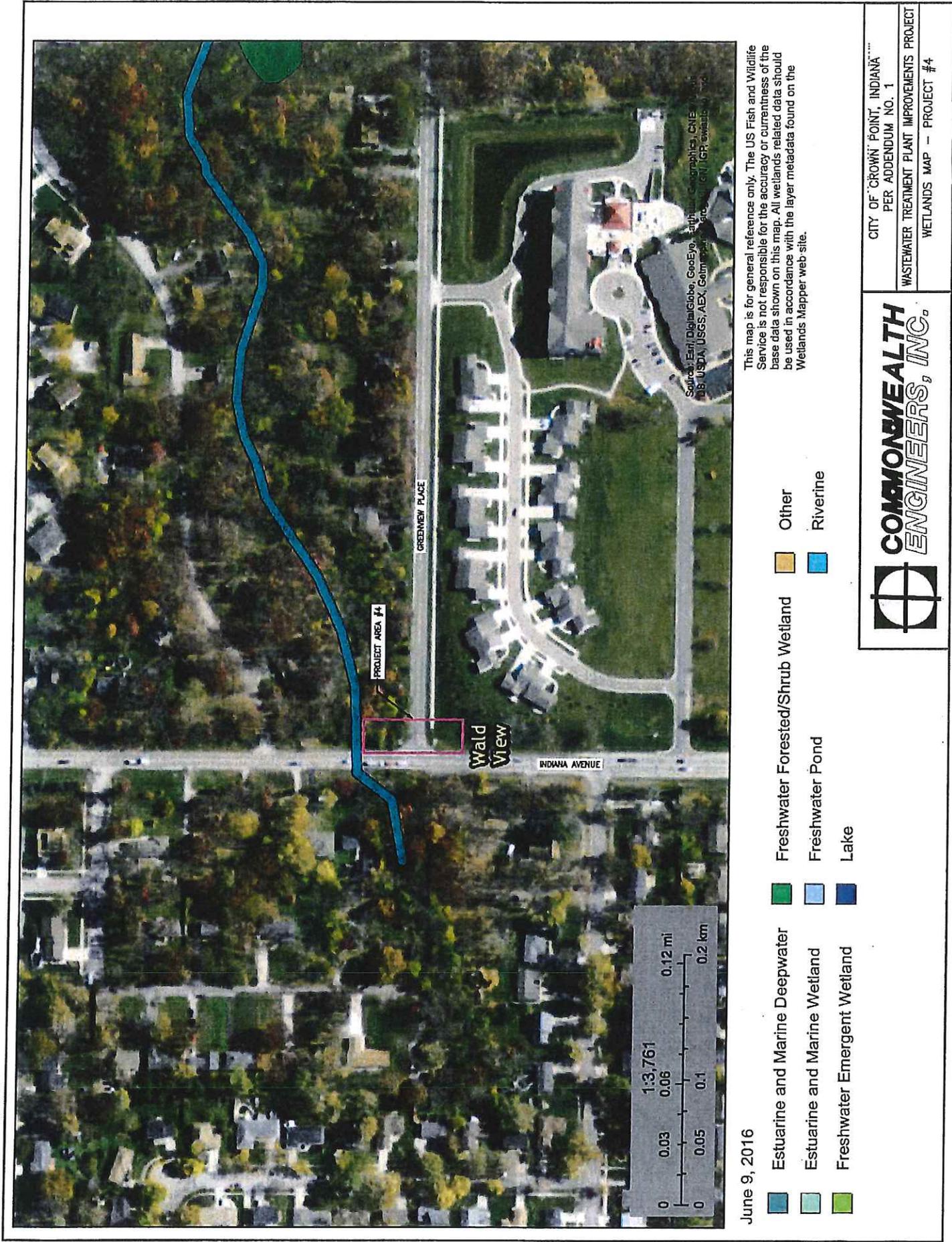


745			
740	EXISTING MANHOLE "A"	TOC EL. 737.0±	APPROXIMATE-GRADE ELEVATION, SHOWN AS REFERENCE ONLY
735			
730			
725			
720	EXISTING MANHOLE "F"	TOC EL. 737.0±	
715	PROPOSED 12" PVC SEWER TO BE INSTALLED AT MIN. 0.22% SLOPE	INV. EL. 725.60±	
710	PROPOSED 12" PVC SEWER TO BE INSTALLED AT MIN. 0.22% SLOPE	INV. EL. 724.35±	
705			



CITY OF CROWN POINT
 LAKE COUNTY, INDIANA
 INTERSECTION OF INDIANA AVE. AND GREENVIEW PL.
 EXISTING SEWER LAYOUT - PROJECT #4 IMPROVEMENTS

Figure 2 – Proposed project



June 9, 2016

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



CITY OF CROWN POINT, INDIANA
 PER ADDENDUM NO. 1
 WASTEWATER TREATMENT PLANT IMPROVEMENTS PROJECT
 WETLANDS MAP - PROJECT #4

Figure 3 – Wetlands map