The City of East Peoria
Storm Water Management Plan

November - 2025

By

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Introduction

The City of East Peoria was fortunate to be the recipient of $34,685 of funding thru the Tri-County Regional Planning Commission (TCRPC) for enhancing the City's Storm Water Management System. This is Phase 2 of the Storm Water Management System project. Patrick N. Meyer & Associates, Inc. (PNMAI) was selected as the consultant from the attached Request for Qualifications submittal. (Exhibit A)

Findings

As in phase 1, cooperation amongst the City, TCRPC, and PNMAI was key for the success of this project. Conversations with the City produced a focus on the outfalls in one of the many bluff areas as noted on the map in Phase 1 while we continued the emphasis in Phase 2. (Exhibit B) TCRPC and PNMAI developed a list of attributes (Exhibit C) to be collected and the inventory commenced. Some of the attributes are purely characteristics of the material, while other attributes were collected for IEPA's NPDES (Illinois Environmental Protection Agency's National Pollutant Discharge Elimination System) purposes. PNMAI was also able to collect photographs of each outfall. As outfalls were being collected, PNMAI was fortunate to be able to collect other missing information for the Storm Water Management System. Inventory of the storm water features proved to be tedious and dangerous at times. Outfall inventory challenged the staff with thick brush and steep slopes. Traffic was also a concern on busier streets. PNMAI was able to collect over 300 outfalls in Phase 1 and approximately 270 outfalls in Phase 2. Phase 2's contract dictated the work schedule from April to October. Outfall collection was hindered by the time of year when the plants were leafed out and vegetation was thick.

There were four attributes that might signal immediate action.

A-Level of Erosion

B-Televise

C-Buried

D-Pipe Condition

The Level of Erosion was classified as such. The approximate percentage of the total collected is also noted.

Level 1-Severe Erosion (>5 ft)	~10% of all outfall were Level 1
Level 2-Medium Erosion (1-5 ft)	~25% of all outfall were Level 2
Level 3-No erosion, fully protected	~65% of all outfall were Level 3

This is likely the most important attribute. The Level 1-Severe Erosion sites were the most concerning. Some outfalls were noted to have up to 30 ft of erosion present. Some of these severely eroded spots were dangerously close roadways and/or residential/commercial buildings. We expect to further this discussion with a City/TCRPC/PNMAI field trip to the high priority severely eroded locations. The highest priority Level 1-Severe Erosion sites will likely need to be addressed with stone riprap and heavy equipment. Some Level 1-Severe Erosion and most Level 2-Medium Erosion locations could be addressed with log check dams. Exhibit D typifies erosion issues. Exhibit E denotes past photographs of riprap projects. Exhibit F includes information and examples regarding log check dams.

Televising and Buried were was also noted attributes. PNMAI identified both of these attributes since some of the pipe locations were either unknown as far as direction or they were buried. The City could utilize this list to perform further investigation to enhance the inventory. A photograph of a buried pipe is in Exhibit G.

The last attribute that might require immediate action is the Pipe Condition. PNMAI noted the conditions of pipes as to whether they were rusted and/or they had holes. Pipe Condition concerns occurred mostly in Corrugate Metal Pipes (CMP). The history of CMPs began with installation in the 1970's. CMPs have

traditionally been less cost for material and for installation purposes. However, they are believed to have a 40 year life span. We are now 50 plus years since the first installation. The harsh Midwest winters promote the necessity of salt on the roads; the salt also takes its toll on the metal of the CMPs. Many of the Level 1 Erosion spots listed above were a cause of CMP failures. It would seem proactive for the City to identify these CMPs and pre-empt failures of Level 1-Severe Erosion by investing in pipe-rehabilitation such as CIPP (Cured In Place Piping). CIPP is simply installing a liner in an existing pipe without digging. See Exhibit H for an example of a deteriorated CMP. Exhibit I contains CIPP projects.

The Future-A Plan of Action

Patrick N. Meyer & Associates, Inc. suggests the following plan of action regarding the City of East Peoria's Storm Water Management System.

1. Field Trip to physically see the high priority Level 1-Severe Erosion locations. Identify funding to address the high priority Level 1-Severe Erosion locations. Exhibit J identifies Phase 1 top 10 of 30 high priority projects with approximately $1.2 million. This exhibit also includes location maps and photographs. The City dedicated resources and all of these 10 plus more have been corrected. Similarly, Exhibit J also identifies Phase 2 top 10 of 30 high priority projects with approximately $1.1 million.
2. Establish a schedule for City staff or contractors to televise outfall pipes (including the ones noted in the inventory as Televised and Buried), establish a condition of the pipes and a priority for CIPP. Establish funding for this task.
3. Seek funding to continue the inventory of the Storm Water Management System. With Phase 1 and Phase 2 complete, there is approximately 1/3 of the City's storm water infrastructure left to be inventoried. The City has secured Phase 3 funding and anticipates work to be completed by the end of 2026.

Exhibit A

Patrick N. Meyer & Associates, Inc.
15109 West Bittersweet Court
Brimfield, Illinois 61517
Mobile: (309) 696-1935
Email: pmeyer@mtco.com

March 19, 2025

Michael Bruner, Planner
Tri-County Regional Planning Commission
456 Fulton Street, Suite 401
Peoria, IL 61602

Re: Request for Qualifications for the City of East Peoria's Stormwater Management System

Dear Mr. Bruner:

Thank you for the opportunity to submit our qualifications for the City of East Peoria's Stormwater Management System.

The attachments that follow are the components of our response to the Request for Qualifications.

1. Project Work Program (Approach)
2. Project Capacity and Schedule
3. Background and Prior Experience
4. Project Management and Team
5. Additional Strategies

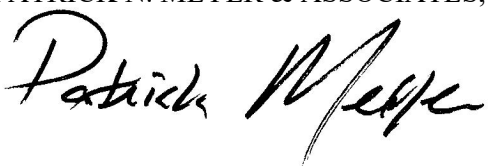
As requested, the company's contact information is stated at the top of the letter and our FEIN # is 36-4475074.

We do not actually have a website, our firm has been successful in word of mouth advertising. We have long standing relationships with all of our clients. New clients have been referred to us by many of these long standing relationships as well as local, state, and federal elected officials and their staff.

If you have any questions and/or comments, please do not hesitate to contact me at (309) 696-1935.

Sincerely,

PATRICK N. MEYER & ASSOCIATES, INC.



Patrick N. Meyer, P.E., M.B.A.
Civil Engineer

Enclosure

Patrick N. Meyer & Associates, Inc.

Below is the information requested; our responses are highlighted in yellow.

5.2 Project Work Program (Approach)

- We anticipate working with the City of East Peoria and the Tri-County Regional Planning Commission to complete a successful project in the most cost efficient and time-saving manner as possible. We have worked as partners with Tri-County and a number of municipalities to achieve great success in past projects. This particular project seems to be an ideal situation where the funded dollars can be spent in the most cost-efficient manner possible by combining efforts from all involved. We anticipate an arrangement where the consultant leads and assists the coordinated efforts involving the City of East Peoria staff member with data collection. We will then continue those efforts with the Tri-County staff for processing of the data. The final step will be the interpretation of the data in a format that will be concise and useful for the City of East Peoria in the future endeavors. Some of the obstacles that we may encounter are the conditions in the field. Heavy thicket, slick soils and steep slopes are the biggest obstacles that we anticipate facing. Sometimes, extensive leaf cover may impede the GPS signal. Patrick N. Meyer & Associates, Inc. is licensed in the State of Illinois as a design firm. Patrick N. Meyer is licensed in the State of Illinois as a Professional Engineer.

5.3 Project Capacity and Schedule

- Our team has the capacity to complete this project. This type of work requires both physical and mental skills capable to traverse up and down ravines, pull heavy lids, and collect the data electronically. The best time to do this type of work is actually now when the trees have not leafed out or late in the fall when the leaves have fallen. We would like to get started as soon as possible and get as much done before the leaves make it difficult to observe the outfalls and obtain clear pictures. We anticipate the schedule as follows.

March 31, 2025	Contract signed
April-October	Data collection and compilation of report details
November 30, 2025	Final draft of report submitted to TCRPC.

5.4 Background and Experience

- The team for this project is somewhat unique in the fact that we have decades of experience working with this type of project. The company's entire existence has been working with local agencies with a pointed focus on streets and drainage infrastructure. We had the opportunity to complete Phase 1 of this project in with extreme success. The very same people who worked on the initial project will be working on this Phase also.
- full legal name: Patrick N. Meyer & Associates, Inc.
- date of establishment: May 2001
- type of entity and business expertise: Consulting Engineering specializing in Local Government Agencies
- brief history: Assisting Local Government Agencies in virtually all needs including but not limited to streets, drainage, sewer, water, mapping, zoning, tax-increment financing, motor fuel tax funds, etc.
- any business current ownership structure: Solely owned by Patrick N. Meyer
- and any recent or materially significant proposed change in ownership: not applicable

• At least three (3) work experiences similar to this project description.

- Infrastructure inventory is quite common and with the advance in technology it has become attractive to many local governments. We have been fortunate to be able to be involved with many different infrastructure inventories. We have worked with these local governments and the Tri-County Regional Planning Commission to succeed in producing these projects. Some of the more recent projects included infrastructure inventory in the City of East Peoria, Village of Mackinaw, Village of Bartonville, City of Delavan, Limestone Township, and the Village of Peoria Heights. We are also the coordinator for the area storm water group known as CICN (Central Illinois Committee on NPDES Phase II Storm Water Regulations). This group has effectively addressed many things associated with storm water, including outfalls, erosion, access by the contractor, area wide projects, etc.

Below is a list of contact names for reference purposes over the past years.

- City of East Peoria
  Rick Semonski, Supervisor of Streets
  309-698-4716
  Email: ricksemonski@cityofeastpeoria.com
- Limestone Township Road District
  Randy Neal, Highway Commissioner
  309-645-3344
  Email: road@limestonetownship.org
- Village of Bartonville
  Mayor Leon Ricca
  309-696-6665
  Email: mayor@bartonville.org

There will be no subconsultants on this project.

5.5 Project Management and Team

– Patrick Meyer will be the project manager who has over 31 years of experience with the area's local agencies, and has been working closely with the City of East Peoria for all of those 31 years. Bentley Hall may also assist with the project. Bentley Hall is a retired foreman for the City of East Peoria Public Works. He worked for the City for a total of 30 years and has intimate knowledge of most of the City's infrastructure. Cody Boertlein and Nolan Meyer are the college construction and engineering students who have both the physical stamina and mental capacity to perform the arduous work. Both of these young men were essential workers in Phase 1 and have gained valuable experience in the field.
– This statement is to confirm that Patrick N. Meyer & Associates, Inc and the assigned staff have not had a record of substandard work or engaged in any unethical practices ever.

5.6 Additional Strategies

– We feel that a huge savings to the City is the ability to work hand-in-hand with Tri-County Regional Planning Commission in the data collection. Our long history of assisting local agencies with the assistance of TCRPC has enabled the most cost effective use of funds with the maximum amount of product.

- A Statement of Qualifications of:
  - The firm and any subcontractors (if any);
  - The lead team member; and
  - The individuals to be assigned to the project;
    - Please see the attached Statement of Qualifications for reference. Patrick Meyer & Associates, Inc. has assisted the City of East Peoria for the past 31 years in engagements with the Tri-County Regional Planning Commission, other municipalities, and the Illinois Department of Transportation projects.
    - Patrick Meyer will be the lead team member. Patrick has been the direct contact for the entire 31 years of service to the City.
    - Bentley Hall may also assist with the project. Bentley Hall is a retired foreman for the City of East Peoria Public Works. He worked for the City for a total of 30 years and has intimate knowledge of most of the City's infrastructure.
    - Cody Boertlein may also assist with the project. Cody is a senior Construction Management student at Illinois State University. In 2021 in Limestone Twp and in 2022 in the City of East Peoria, he collected storm water infrastructure information and coordinated with Tri-County Regional Planning Commission for the processing of the collected data.
    - Nolan Meyer may also assist with the project. Nolan graduated in December from Brimfield High School, is taking 13 hours at Illinois Central College, and will be a freshman at the University of Iowas in Fall 2025. In 2022 in the City of East Peoria, he assisted in the collection of storm water infrastructure information.

Attachment I: Identification of Projects Table

Name of Project	Client Name	Client Contact	Contact Title	Contact Number	Contact Email	Project Location	Project Type/Description	Key Team Members Involved	Experience for Consultant, Sub-Consultant, or Key Team Member
TCRPC-East Peoria Storm Water Inventory	City of East Peoria	Rick Semonski	Supervisor of Streets	309 698 4716	ricksemonski@cityofeastpeoria.com	City of East Peoria	Phase 1 of Storm Water Inventory	Patrick Meyer, Bentley Hall, Cody Boertlein, Nolan Meyer	All team members played a critical role in the collection of storm water infrastructure utilizing the program "Field Maps". Worked intimately with TCRPC to produce reliable and useful end product.
Limestone Twp Road District-Storm Water Inventory	Limestoen Twp Road District	Randy Neal	Highway Commissioner	309 645 3344	road@limestonetownship.org	Limestone Twp	Storm Water Inventory	Patrick Meyer, Cody Boertlein	All team members played a critical role in the collection of storm water infrastructure utilizing the program "Field Maps". Worked intimately with TCRPC to produce reliable and useful end product.
Various Municipal GIS infrastructure inventory	Brimfield Twp, Cincinnati Twp, City of Delavan, City of Elmwood, Jubilee Twp, Medina, Twp, Princeville Twp, Millbrook Twp,Village of Bartonville, Village of Mackinaw, Village of North Pekin, Village of Peoria Heights, Village of South Pekin	Upon requestt	Upon request	Upon request	Upon request	All Agencies listed to the left	Coordination with TCRPC and the Local Agency for the electronic collection and display in GIS fro various infrastructure	Patrick Meyer, Cody Boertlein, Nolan Meyer, Sienna Meyer	All team members played a critical role in the collection of storm water infrastructure utilizing the program "Field Maps". Worked intimately with TCRPC to produce reliable and useful end product.

Patrick N. Meyer & Associates, Inc.

15109 West Bittersweet Court
Brimfield, Illinois 61517
Office/Mobile: 309-696-1935
Email: pmeyer@mtco.com

PERSONNEL

PATRICK N. MEYER, P.E., M.B.A.

15109 W Bittersweet Ct
Brimfield, IL 61517
(309) 696-1935

EDUCATION:

Professional Engineer, 1999, Illinois – 62-053349

Master of Business Administration
Bradley University, Peoria, IL
August 1995-December 1999
Overall GPA: 3.6/4.0

Bachelor of Science in Civil Engineering, Minor: Spanish
Bradley University, Peoria, IL
August 1989-May 1994
Overall GPA: 3.6/4.0, Magna Cum Laude

EXPERIENCE:

Patrick N. Meyer & Associates, Inc. (May 2001-present, unless otherwise noted)
Patrick N. Meyer, P.E., M.B.A., Peoria, IL

- Project Engineer for Street Improvements and other various projects in East Peoria, IL (2001-present)
- Village Engineer and/or Project Engineer for various agencies/projects
  - Local Agencies within Tazewell County
    Armington, IL (2020-present)
    Delavan, IL (2011-present)
    Mackinaw, IL (2009-present)
    Minier, IL (2019-present)
    Morton, IL (2018-present)
    North Pekin, IL (2013-present)
    South Pekin, IL (2001-present)
    Morton Twp, IL (2005-present)
    Cincinnati Twp, IL (2005-present)
    Elm Grove Twp, IL (2021-present)
  - Local Agencies within Peoria County
    Bartonville, IL (May 2001-2005, 2009-present)
    Medina Twp, IL (2005-present)
    Kickapoo Twp, IL (2005-present)
    Limestone Twp, IL (2005-present)
    Millbrook Twp, IL (2022-present)
    Brimfield Twp, IL (2024-present)
    Princeville Twp, IL (2024-present)
    Jubilee Twp, IL (2024-present)
- Local Agencies within Mclean County

Danvers, IL (2010-present)
Hudson, IL (2021-present)

- Local Agencies within Woodford County
  Spring Bay, IL (2001-present)
  Kappa, IL (2012-present)
- Managed multiple Municipal, Township, County, State, and Federal projects.
- NPDES Phase II Storm Water coordinator for various Municipalities, Townships, and Counties.

Project Manager/Project Engineer (May 1994-May 2001)
Randolph & Associates, Inc., Peoria, IL

- Project Engineer for Street Improvements and other various projects in East Peoria, IL
- Performed roles as Project Manager, Village Engineer, Resident Engineer, and Project Engineer.
- Managed multiple Municipal, Township, County, and state projects.

Co-operative Education. (January 1992-August 1993)
Illinois Department of Transportation, Peoria, IL

- Accomplished tasks associated with planning, design, and construction phases.

Summer Employment. (May 1990-August 1991)
Adams County Highway Department, Quincy, IL

- Assisted with survey and inspections of roads and bridges.

Traffic Surveyor. (March 1990-April 1990)
Bascor, Inc., Chicago, IL

- Recorded traffic counts for a portion of the Chicago to Peoria expressway

REFERENCES:

Rick Semonski
Supervisor of Streets, City of East Peoria
Telephone: (309) 698-4716

Mayor Leon Ricca
Village President, Village of Bartonville
Telephone: (309) 696-6665

Mike Schopp
Superintendent of Public Works, Village of Bartonville
Telephone: (309) 369-0195

Randy Neal
Limestone Township Highway Commissioner
Telephone: (309) 645-3344

PATRICK N. MEYER, P.E., M.B.A.
Civil Engineer

Professional Engineer, 1999, Illinois – 62-053349

Bradley University, 1994, Bachelor of Science, Civil Engineering

Bradley University, 1999, Master of Business Administration

Project experience has included design of roadways, bridges and sidewalks; site design; traffic studies; and construction inspection.

Mr. Meyer has served as Village Engineer for the Village of Bartonville for nearly 25 years; this required coordination between Village officials, residents, Illinois Department of Transportation, and the Economic Development Council for the Peoria Area. Patrick served as the Village's representative to the Tri-County Regional Planning Commission and has been a member of the PPUATS Technical Committee for nearly 27 years. Mr. Meyer currently serves as the Village/Township Engineer and as Project Engineer for various local agencies, Patrick also assists the City of East Peoria with various roadway and storm water projects (he has done so for the past 31 years)

Mr. Meyer also coordinates roadways, stormwater, sanitary, environmental, survey, ordinance revision and regulation, subdivision and commercial development and national, state and local grants for various other municipalities

The Environmental Protection Agency is currently enforcing the National Pollutant Discharge Elimination System (NPDES) Phase II Storm Water requirements for various communities. Mr. Meyer is coordinating the majority of the affected agencies in the Peoria, Woodford, and Tazewell County area. The coordination effort has included municipalities, townships, and counties in the area. Patrick has been extremely involved in the details and the regulations of the EPA's requirements and has a working relationship with the EPA's officials in charge of enforcing the program.

General Projects

EPA's NPDES Phase II Storm Water Requirements, Tri-County Area (Peoria, Tazewell, and Woodford) Illinois
Acted as the liason between the majority of the affected municipalities, townships, and counties and the Illinois Environmental Protection Agency to meet the requirements set forth in the National Pollutant Discharge Elimination System (NPDES) Phase II Storm Water program. Assisted the organization with submitting their individual Notice of Intents and the annual reports for the life of the storm water program. The list of organizations include the municipalities of Bartonville, East Peoria, Morton, North Pekin, Pekin, South Pekin, and Washington; the townships of Kickapoo, Medina, and Fondulac; and Peoria County. 2002-present.

FEMA/IEMA Disaster Assistance funds, City of East Peoria-Village of Bartonville-Village of South Pekin, Limestone Township Road District, Hollis Township Road District, Illinois
Coordinated with the Federal Emergency Management Agency (FEMA) and the Illinois Emergency Management Agency (IEMA) and performed assessment, assembled bid documents, procured bids from qualified contacts, performed construction observation, and submitted final documentation for these agencies to receive reimbursement for nearly $2 million worth of projects at various locations. 2013-2015

Snow Removal Reimbursement, Village of Bartonville, Illinois
Coordinated with the Illinois Emergency Management Agency and performed required labor, equipment, and materials documentation for the Village of Bartonville to receive reimbursement for the 1999 Snow Emergency Reimbursement Program. 1999

911 Antenna on Water Towers, Village of Bartonville, Illinois
Coordinated with the Village of Bartonville, the local Emergency Telephone Systems Board (ETSB), the Federal Aviation Administration, and the Illinois American Water Company (IAWC) to construct an antenna structure and equipment shelter for the ETSB on an IAWC water tower. 1999-2000

Subdivision Review, Village of Bartonville, Illinois
Coordinate with the Village of Bartonville, Peoria County, and subdivision developers to ensure proper compliance with the Village of Bartonville's subdivision code. 1996-2005, 2009-present.

PPAUTS Technical Committee, Village of Bartonville, Illinois
Mr. Meyer represents the Village of Bartonville's concerns and interests on the Peoria Pekin Urban Area Transportation System Technical Committee. Patrick secured approximately $924,000 of federal funding through the PPUATS organization for Lafayette Avenue in the Village of Bartonville. 1996-2005, 2009-present.

PPAUTS Technical Committee, City of East Peoria, Illinois
Mr. Meyer represents the City of East Peoria's concerns and interests on the Peoria Pekin Urban Area Transportation System Technical Committee. 2005-present.

Tri-County Regional Planning Commission/APWA (American Public Works Association) Annual Seminar
Patrick has served on the planning committee since 1998 to help facilitate speakers on topics for the annual meeting. Mr. Meyer has also spoke on several occasions regarding various topics.

Powerhouse Improvements, Village of Bartonville, Illinois
Coordinated with a local design firm to secure Brownfield funding through the State of Illinois. Site is the former Powerhouse for State Mental Hospital. The soil and the building are contaminated with hazardous materials. 2002-2005

Walnut St. Drainage, City of East Peoria, Illinois
Designed a drainage improvement involving a residential area, a lake, and the City of East Peoria's storm sewer system. Coordinated with the City of East Peoria and local residents. 1999

Cole Street Parking Analysis, City of East Peoria, Illinois
Designed an alternative to convert the City of East Peoria's existing bi-directional street into a one-way street to accommodate more parking and improved traffic flow. 2000

Boley Site Design, City of Washington, Illinois
Designed site plan for a 55,000 SQ ft manufacturing facility involving building placement, drainage issues and utilities. Coordinated the interests of the Manufacturer and the City of Washington's applicable ordinances. 1999

Army reserve Center Drainage/Parking Improvements, Village of Bartonville, Illinois
Designed and observed the construction of improvements to the 4.2 acre parking lot of the Area Maintenance Support Activity (AMSA); AMSA is a support unit for the US Army Reserve. Improvements including base repair, surface treatment, security upgrades, and drainage issues. Coordinated the interests of the Federal and State of Illinois Governments, the Construction Management Company, the Contractor and the applicable ordinances of the Village of Bartonville. 2000

Contract Maintenance, Various Streets, Village of Morton, Illinois
Bituminous surface removal, bituminous surface course, binder course, combination concrete curb and gutter, Portland cement concrete sidewalk, base repair, manhole adjustments and storm sewer. Managed construction and coordination between community and contractor. $1,040,000 (2000)

Drainage Improvements Near Lincoln/Main, North Pekin, Illinois
Performed design and construction observation for two 10 foot by 5 foot concrete box culvert extensions and two 240 feet parallel runs of 66 inch corrugated metal pipe connecting to the before-mentioned 10' x 5' structure on one end and connecting to a double 4 foot by 6 foot skewed concrete box culvert. Area drains and roadway drainage were connected to the 66 inch pipes. $140,000, 2000

Lincoln/Main Intersection Improvements, North Pekin, Illinois
Performed design and construction observation for widening existing 20 foot roadway to a 36 foot face to face of curb roadway. The project involved bituminous widening, curb and gutter, inlets, concrete pipe, bituminous surface removal, bituminous binder, bituminous surface, and pavement marking. $55,000, 2000

Filling Steam Tunnels, Industrial Park, Bartonville, Illinois
Performed design and construction observation for improving abandoned steam tunnels of the old State Mental Hospital. The project involved utility and adjacent property coordination, asbestos abatement, concrete masonry walls, and controlled low strength material. The improvements increased the structural stability and safety of specified tunnels. $30,000, 2000

Dry Bottom Retention Pond, Bartonville, Illinois
Performed design and construction observation for creation of a dry bottom retention pond. The project established the retention are on a vacant lot in a residential area that was previously being used for landscape waste. The lot was also continuously plagued with water problems because of natural and man-made drainage situations. The improvements involved inlets, concrete pipe, corrugated metal pipe, polyvinyl chloride pipe, stone riprap, earth excavation, earth embankment, and a 230 foot long by 3 foot high modular concrete retaining wall. $33,000, 2000

Highways

Interstate 74 (I-155 to Tazewell/Woodford County Line), IDOT District 4
Prepared planning report for an 8 mile stretch including guardrail design, pavement patching, and clear zone criteria. $1.25 million; 1992. Planning Engineer

Roads and Streets

Lafayette Avenue Improvements, Bartonville, Illinois
Composed the application and received grant money totaling $924,000 via the PPUATS organization. Organized the selection process and complied with all aspects of the federal funding process. Intricately involved in the development of the project from citizen input to the final stages of the IDOT approval process. $1.3 million, 2001-2005, Civil Engineer

Broadmoor Heights Drainage Improvements, Bartonville, Illinois
Coordinated with Congressman Ray LaHood's office and received federal funding totaling more than $1.3 million. The project will involve widening of streets, curb and gutter, storm sewer, sidewalks and an overlay. This part of the Village is one of the oldest and antiquated in regards to roadway infrastructure. $3 million, 2004-2005, Civil Engineer

Sidewalk Improvements, Bartonville, Illinois
Initialized an application that encompassed letters and pictures from a local grade school class with special needs. Coordinated with Congressman Ray LaHood's office to receive $500,000 to improve sidewalks near the school and in other areas of the Village. $500,000, 2004, Civil Engineer

Sidewalk Improvements, North Pekin, Illinois
Initialized an application with a local grade school for an IDOT Safe Routes to School project. Performed all aspects of Preliminary Engineering, Design Engineering (while overseeing subconsultant), and Construction Engineering. $400,000, 2010, Civil Engineer.

Sidewalk Improvements, Elmwood, Illinois
Initialized an application with a local grade school for an IDOT Safe Routes to School project. Performed all aspects of Preliminary Engineering, Design Engineering (while overseeing subconsultant), and currently performing Construction Engineering. $300,000, 2008-2014, Civil Engineer.

Sidewalk Improvements, Bartonville, Illinois

Initialized an application that encompassed letters and pictures with a local grade school for an IDOT ITEP project. Performed all aspects of Preliminary Engineering, Design Engineering (while overseeing subconsultant), and Construction Engineering. $800,000, 2010, Civil Engineer

Entec Rd Extension Improvements, Bartonville, Illinois
Coordinated with a selected engineering firm an implemented the planning, design, and construction of a 1,100 foot extension to a major connector in an Industrial Park. Roadway included complete design as well as right-of-way acquisition, several high-pressure gas main crossings, and NPDES Phase II compliance. $530,000, 2004-2005, Civil Engineer

Irving Street Improvements/RecPlex Parking Lot, City of Peoria, Illinois
Project Development Report, Design, Final Plans and Specifications for 2500 feet of urban street and 450 space parking lot for new recreational complex on the Peoria Riverfront. The project included coordination with numerous governmental and private agencies that were affected by the project. Final Plans included grades, paving, drainage, ticket booths, landscaping, lighting and signalization of the revised Adams Street/Irving intersection. $2.5 million, 1999, Design Engineer

Contract Maintenance, Various Streets, Village of Bartonville, Illinois
Bituminous surface course, binder course, combination concrete curb and gutter, portland cement concrete sidewalk, base repair, manhole adjustments, storm sewer. Developed estimate of cost and special provisions, finalized project, and managed coordination between community and contractor. 1997-2005, 2009-present. Project Engineer/Resident Engineer/Project Manager

Intersection Design, Meadows Avenue (FAU 6757/U.S. Route 150) and Access Road to EastSide Centre Sports Complex, IDOT District 4, East Peoria, Illinois
Projected future traffic flow for sports events such as football, softball, and soccer. Design of p.c.c. base course, p.c.c. base course widening, curb and gutter, storm sewers, and striping. Prepared final plans. $200,000; 1997. Project Engineer

FAU 6730, Main Street Improvements, IDOT District 4, Morton, Illinois
Curb and gutter, sidewalk, driveways, sanitary sewer, traffic signals, street lights, patching, concrete box culvert, p.c.c. base course. Kept extensive documentation of project's pay items including material inspection/testing. Prepared daily diary entries, weekly reports, pay estimates. Worked closely with contractor to aid in interpretation of plans. $1.4 million; 1996. Project Engineer/Resident Engineer

MFT Day Labor Maintenance, IDOT Districts 3 and 4, Various Communities
Street sweeping, salt/cinders, mowing, sidewalk, snow removal, tree removal, and ditch and storm inlet cleaning. Developed resolution, estimate of cost, and special provisions; finalized project, and managed coordination between community and IDOT. Project Engineer/Project Manager

District 3: Henry 1994-1995, **Toluca** 1995

District 4: Bartonville 1995-2005, 2009-present; **Creve Coeur** 1994; **North Pekin** 1994-2000, 2006-2013; **South Pekin** 1997-2000; 2003-present; **Delavan** 2011-present; **Danvers**-2010-present; **Hudson**-2021-present

MFT Material Proposal Maintenance, IDOT District 4, Various Communities
Sealcoating. Developed resolution, estimate of cost, and special provisions; finalized project; and managed coordination between the community and IDOT. Project Engineer/Resident Engineer/Project Manager

Bartonville 1995-2005, 2009-present; **Creve Coeur** 1995 **North Pekin** 1994-2000, 2006-2013;

Spring Bay 2001-present; **South Pekin** 1997-2000; 2003-present; **Delavan** 2011-present; **Danvers**-2010-present; ; **Hudson**-2021-present

MFT Contract Maintenance, IDOT Districts 3 and 4, Various Communities
Performed maintenance on various streets throughout including coldmilling, overly, ditching, aggregate shoulder, striping, inlets, concrete patching, bituminous surface course, binder course, and hot mix sand seal coat; roadway recycling; combination concrete curb and gutter; portland cement concrete sidewalk; base repair; underdrains/manhole adjustments; storm sewer and erosion projects. Developed resolution, estimate of cost, and special provisions; finalized project; and managed coordination between community, contractor, and IDOT. Project Engineer/Resident Engineer/Project Manager

District 3: El Paso 1994-1995; **Toluca** 1994-1996

District 4: East Peoria 1994-present; **Bartonville** 1995-2005, 2009-present;

Sunnyland Street Improvements, IDOT District 4, East Peoria, Illinois
MFT Contract Construction - Recycling of base with overlay, p.c.c. driveway pavement, driveway pavement removal, and removal and replacement of top portion of manholes. Developed resolution, estimate of cost, and special provisions; finalized project; and managed coordination between the City and IDOT. $272,000; 1994 Project Engineer/Resident Engineer

HSIP (Highway Safety Improvement Program) Regulatory and Warning Sign Removal and Replacement, IDOT District 4, Various Local Agencies in Tazewell and Peoria Counties, Illinois
Federal funded project that was coordinated between 12 different agencies (City of East Peoria, City of Pekin, Village of Bartonville, Village of Bellevue, Village of Morton, Hollis Township Road District, Kickapoo Township Road District, Limestone Township Road District, Medina Township Road District, Village of South Pekin, Village of North Pekin). The project was applied for and received funding, developed agreements between the local agencies, estimate of cost, and special provisions; construction inspection,; finalized project; and managed coordination between the Local Agencies and IDOT. $1.3 million; 2010-2014. Project Engineer/Resident Engineer

City-wide Street Inventory, East Peoria, Illinois
Developed a Street Inventory System that has functionality, simplicity, and interaction with GIS (Geographical Information System). Each year all of the streets in the City are evaluated based on certain criteria. The list is sorted according to the criteria to produce an annual project that will address the most – deteriorated streets. 1994-present Project Engineer.

Construction Inspection

War Memorial Drive and University Street, IDOT District 4, Peoria, Illinois
Assisted resident engineer in the improvement of a high volume intersection. Inspected milling, reflective crack control, bituminous paving, paint pavement marking, traffic signal installation, combination concrete curb and gutter, sidewalk, and island pavement. Performed yield checks for paving operation and kept daily quantities of all items. $1.2 million; 1993. Assistant Resident Engineer

Knoxville Avenue (War Memorial Drive to Pioneer Parkway), IDOT District 4, Peoria, Illinois
Assisted resident engineer in the construction of a 3- mile stretch of an urban highway, including the

inspection of milling, reflective crack control, bituminous paving, paint pavement marking lines, and detector loops. Performed yield checks for paving operation and kept daily quantities of all items. $750,000; 1993. Assistant Resident Engineer

Bridge Inspections, Adams County, Illinois
Inspected pouring of bridge abutments and construction of pre-cast beam bridge. 1990 - 1991. Assistant Resident Engineer

Recreation Projects

Henry Recreational Park, Illinois Department of Conservation, Open Space Lands Acquisition and Development Project, City of Henry, Illinois
Improvement of existing tennis court, construction of new tennis court, two basketball courts, playground, sidewalk, drainage, and parking. Organized bid specifications and construction inspection. $192,000; 1996. Project Engineer/Resident Engineer

River Trail of Illinois, City of East Peoria, Illinois
Design of 1.4-mile section of 10' wide bituminous trail along Farm Creek connecting to the existing trail at Camp and Main Streets as well as Washington Street and River Road. Included horizontal and vertical alignment, pavement structure, abutments for a pre-fabricated bridge, a 10 foot diameter tunnel, temporary and permanent easements, handicapped accessibility, site drainage plan, and hydraulic reports. Required permitting for various governmental agencies and wetland delineation. $800,000; 1999-2000

River Trail of Illinois, City of East Peoria, Illinois
Construction of portion of 10' wide bituminous trail along Farm Creek connecting to the existing trail at Camp and Main Streets as well as Washington Street and River Road. Included horizontal and vertical alignment, pavement structure, connection to the 10 foot diameter tunnel, temporary and permanent easements, accessible to the disabled. 2007.

EastSide Centre Sports Complex, East Peoria, Illinois
Design of new 2-lane boulevard roadway, intersection design study for entrance permit, storm sewer design, stormwater retention, sanitary sewer, water main, 10 softball/baseball fields, and 6 soccer fields for 102-acre site. Included design of erosion control plan for ~100 acres. Involved dust and traffic control, benches. Roadway design consisted of both p.c.c. pavement and bituminous pavement. $5 million; 1995. Project Engineer

Site Design

Irving Street Improvements/RiverPlex Parking Lot, City of Peoria, Illinois
Project Development Report, Design, Final Plans and Specifications for 2500 feet of urban street and 450 space parking lot for new recreational complex on the Peoria Riverfront. The project included coordination with numerous governmental and private agencies that were affected by the project. Final Plans included grades, paving, drainage, ticket booths, landscaping, lighting and signalization of the revised Adams Street/Irving intersection. $2.5 million, 1999, Project Engineer

Traffic Studies

Emergency Traffic Control Signals, Tri-County Regional Planning Commission, East Peoria and Bartonville, Illinois
Produced a planning report detailing existing site conditions and proposed alternatives (including costs). 2001. Project Manager

Traffic Counts, East Peoria Landfill, East Peoria, Illinois
Recorded traffic counts for Siting Application for the City of East Peoria. 1997. Traffic Surveyor

Traffic Counts, Central Illinois
Recorded traffic counts for a portion of the proposed Chicago to Peoria expressway. 1990. Traffic Surveyor

Water Projects

Entec Water Main Extension, Village of Bartonville, Illinois
Designed and performed construction observation for 12" and 8" water main with three fire hydrants. Developed estimate of cost and special provisions, finalized project, and managed coordination between the Village, contractor and Illinois-American Water Company. $56,000; 1998. Project Engineer/Project Manager

Water Tower Removal and Replacement, Village of South Pekin, Illinois
Coordinated Illinois EPA funding, subconsultant design, and construction inspection on 150,000 gallon water tower and removal of old tower. Developed estimate of cost and special provisions, finalized project, and managed coordination between the Village and the IEPA. $1.3 million; 2010-2011. Project Engineer/Project Manager

Water Tower Removal and Replacement, City of Delavan, Illinois
Currently coordinating subconsultant design, and will perform construction inspection on 250,000 gallon water tower and removal of old tower. Will develop estimate of cost and special provisions, finalize project, and manage coordination between the City and the IEPA. $1.3 million; 2014-2015. Project Engineer/Project Manager

Other Municipal Services

Comprehensive Plan and Land Use Map, Village of Bartonville, Illinois
Procurement and analysis of community data, planning, and meetings to project and plan for future growth. Coordinated and conducted meetings related to development of Comprehensive Plan and Land Use Map; documented information generated; wrote and provided administrative and support services for development of Plan documents. Facilitated intergovernmental agreements between various government agencies involving several municipalities and counties. 1998 Project Engineer/Assistant to Coordinator

Codes and Standards, Village of Bartonville, Illinois
Finalized subdivision codes and Village Construction Standards. 1997. Project Manager

Redevelopment Area Proposal
Worked closely with the Peoria Area Economic Development Council to form a proposal referencing a redevelopment area in downtown Bartonville.

Building Commissioner Duties
Worked on a day-to-day basis with the Village to organize and improve the Village's building plan review and building inspection for both residential and commercial developments.

Sidewalk Improvements, IDOT District 3, Henry, Illinois
MFT Contract Construction. Developed resolution, estimate of cost, engineering agreement, and special provisions; finalized project; and managed coordination between the City and IDOT. $26,000;1994 Project Engineer

Various Survey Projects, Adams County, Illinois
Assisted the survey crew in laying out of new and proposed roadway improvements, proposed curves and turning radii, area for detention ponds, abutments for bridges, and borrow pits. Operated level, theatolite, rod, and range pole. 1990 - 1991. Survey Crew

Bentley Hall

21275 N 250 East Rd, Congerville, Illinois 61729

EXPERIENCE

PATRICK N. MEYER AND ASSOCIATES, INC.-SUBCONTRACTOR Brimfield, IL

Construction Inspector May 2010-present

- Supervised road work completed according to IDOT and city specifications: milling, overlay, heat scarification, patching and placement of CCC&G, traffic control; implemented ADA specifications on new and existing sidewalks; recorded and prepared payment quantity schedules for contract negotiations for cities and general contracting firms; coordinated materials testing

CITY OF EAST PEORIA PUBLIC WORKS East Peoria, IL

Street Department Working Foreman 1971-2010

- 4 years as a laborer, 3 years laborer/driver/operator.
- 30 years as a working foreman / lead man in charge of a crew of 14 to 20 men running Street Department operations including
  - paving streets and ditching, underground piping for storm sewers, plowing snow, operating heavy equipment, inspecting new driveway inspections, ordering materials for new products, scheduling jobs on day to day basis, planning for future projects, dealing directly with the homeowners, and contractors, striping streets, signing streets, crack sealing, spray patching, bituminous patching, supplying crews with equipment and tools, work putting up East Peoria Festival of Lights, mowing right of way.

Cody Boertlein

262 E 1925 North Rd, Danvers, IL 61732

cody.boertlein@gmail.com (309) - 200 - 6752

WORK EXPERIENCE

Road Work Experience with Bentley Hall: *May 2018 - August 2021*

- Measured and quantified project costs, helped resolve project cost complications
- Documented public utilities and roadway conditions, communicated issues to be fixed by the municipality
- Worked with many different contractors and municipalities on various construction projects
- Assisted with the oversight and project planning with Bentley Hall and Pat Meyer (Municipality Civil Engineer)

Bentley Hall's Contact Info: (309)-621-1863

Stormwater Inventory Collection for Limestone Township: *May 2021 - August 2021*

- Collected data on stormwater infrastructure in Limestone, using the GIS GPS system
- Located storm structures and inspected conditions, transferred data on conditions to the Township for further investigation
- Worked with Pat Meyer and the Tri-County Regional Planning Commission database to upload data (Andrew Hendon)

Andrew Hendon's Contact Info: (309)-712-5745

Stormwater Inventory Collection for the City of East Peoria: *August 2022 - December 2022*

- Collected data on stormwater data on stormwater infrastructure and specifically stormwater outfalls in the City of East Peoria, using the GIS GPS system
- Used precise GPS points (utilized GPS equipment) to map out locations of stormwater data
- Revised and updated previous collection data on over 300 storm outfalls throughout the municipality, uploaded data to the commission database
- Took pictures and inspected the conditions of the storm outfalls for any damage or wear
- Created a detailed, documented list, of the most severe outfalls (based on current condition) and transferred the data to the City of East Peoria for further investigation
- Worked with Pat Meyer and the Tri-County Regional Planning Commission database to upload data (Brittney West)

Britney West's Contact Info: (309)-673-9796

Engineering Technician *March 2021 - Present*

- Assisted in the oversight of various construction projects within multiple municipalities
- Directly supervised road work according to the specifications of the project
- Kept detailed notes and quantities of the projects, to help determine project costs
- Overseen many construction operations such as: milling/paving, concrete, heat scarification, sealcoating, patching, striping, storm and water utility work
- Documented public utilities, current roadway conditions, and project materials
- Communicated issues to be fixed by the municipality

Patrick Meyer's Contact Info: (309)-696-1935

EDUCATION

Illinois State University, Normal, IL:

- Working towards a Bachelor of Science
- Major: Construction Management

SKILLS

- Hardworking
- Construction Documentation
- Quick Learner
- Self Motivated

AWARDS

High Honors/GPA:

- Maintained between a 3.75 and a 4.00 GPA while in High School. Graduated Magna Cum Laude.
- Transferred from Bradley University to ISU with a 3.02 GPA
- Currently hold a 3.55 GPA at ISU

NOLAN P. MEYER

15109 W Bittersweet Ct
Brimfield, IL 61517
(309) 696-4421
Nolan.P.Meyer@gmail.com

EDUCATION:

Illinois Central College
East Peoria, IL
Fall 2022-present
(began taking classes from ICC Sophomore year of high school)
Overall GPA: 3.897 /4.0 (29 hours completed-13 hours Spring 2025)

Brimfield High School
Brimfield, IL
August 2021-December 2024
(fulfilled graduation requirements mid senior year)
Overall GPA: 4.002 /4.0

EXPERIENCE:

Engineering Technician (May 2023-present)
Patrick N. Meyer & Associates, Inc., Brimfield, IL

- Document filing, historical photographic evidence in the field, construction observation of roadways, storm water infrastructure inventory.

Concession Worker (May 2021-present)
Slugger Peoria, Peoria, IL

- Opened, worked, and closed team store for a major sports entertainment arena

REFERENCES:

Karen Barrow
Brimfield High School Teacher
Telephone: (309) 309-446-3349

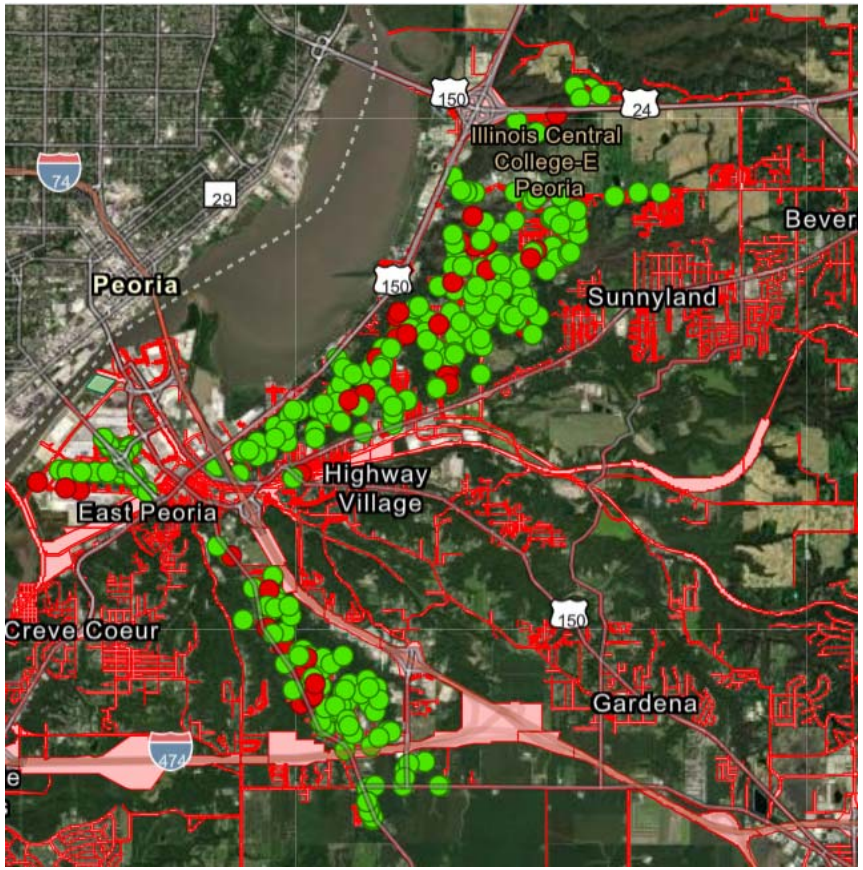
Rick Gaa
Slugger Peoria
Telephone: (309) 253-2603

Exhibit B

Map of Project Area

(Green Dots Identify Outfalls Collected-Red Dots Need More Information)

Phase 1



Phase 2

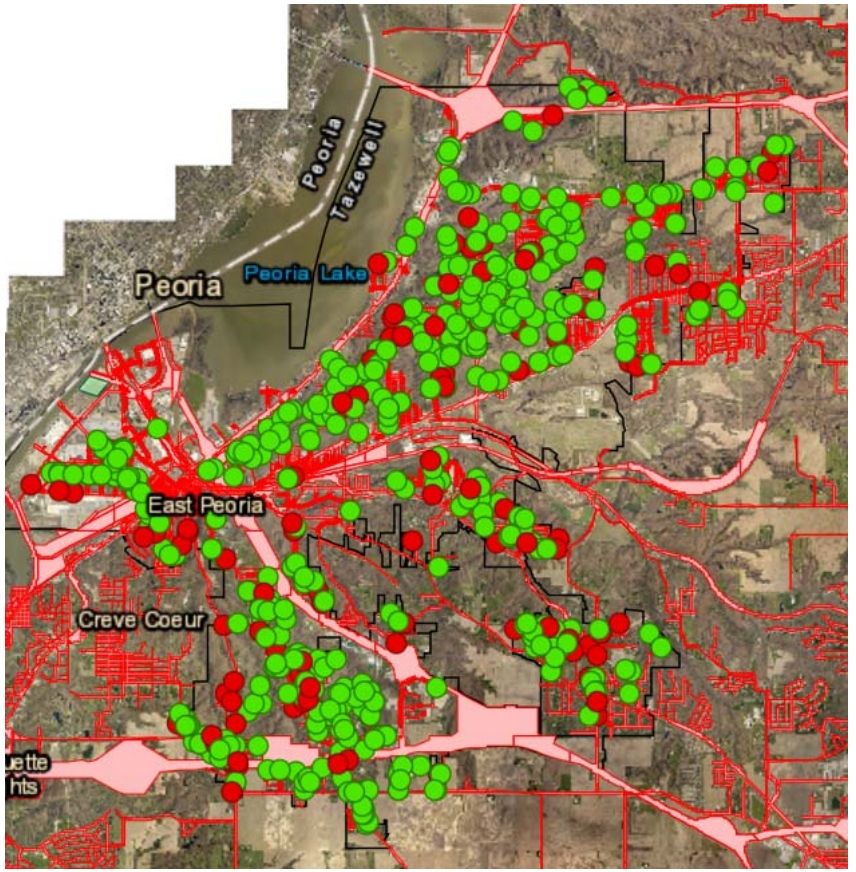


Exhibit C

List of Attributes

OBJECTID	Material Type	Diameter (inches)	Date Inspected	Outlet Name	Location	Pipe Condition	Erosion Condition
232	Corrugated Metal	15	11/12/2022 19:29			Very Poor	1 - Severe Erosion (>5ft)

Depth of Erosion (ft)		VI - Color	VI - Odor	VI - Clarity	VI - Float	VI - Settled Soli	VI - Suspended Solids?
30 ft	30	Clear	No	Clear	No	No	No

VI - Foam?	VI - Oil Sheen?	VI - Other Commer	Field Inspected?	Headwall?	GlobalID	Notes	Headwall Notes
No	No	The pipe has extrer	Yes	No	0f44b5ce	Pipe sections ar	None

Ownershi	Status	Televise	Buried	x	y		
Public	Completed	No	No	-89.5446343	40.6339		

Exhibit D


example of Level 1-Severe Erosion-pipe was rusted through and caused erosion on a very steep hill


example of Level 1-Severe Erosion-water eroded at end of pipe causing pipe to no support underneath- then pipe breaks off causing more erosion and repeating the process


example of Level 1-Severe Erosion-100 ft elevation change from the top of the pipe to the bottom of the ravine


apparent pieces of pipe that have broken off over the years.
gutter drains on hillside that need to go to the bottom of the hill


example of
Level 1-Severe
Erosion-30 ft
depth

Exhibit E


example of dangerous ravine stabilization requiring riprap, specialized machinery, and highly skilled workers-125 ft elevation change from top of hill to bottom of hill


example of dangerous ravine stabilization requiring riprap, specialized machinery, and highly skilled workers-125 ft elevation change from top of hill to bottom of hill
TB235


example of dangerous ravine stabilization requiring riprap, specialized machinery, and highly skilled workers-125 ft elevation change from top of hill to bottom of hill


final product of ravine stabilization- nearly 250 tons of riprap

Exhibit F


newly constructed log check dam---10 ft high

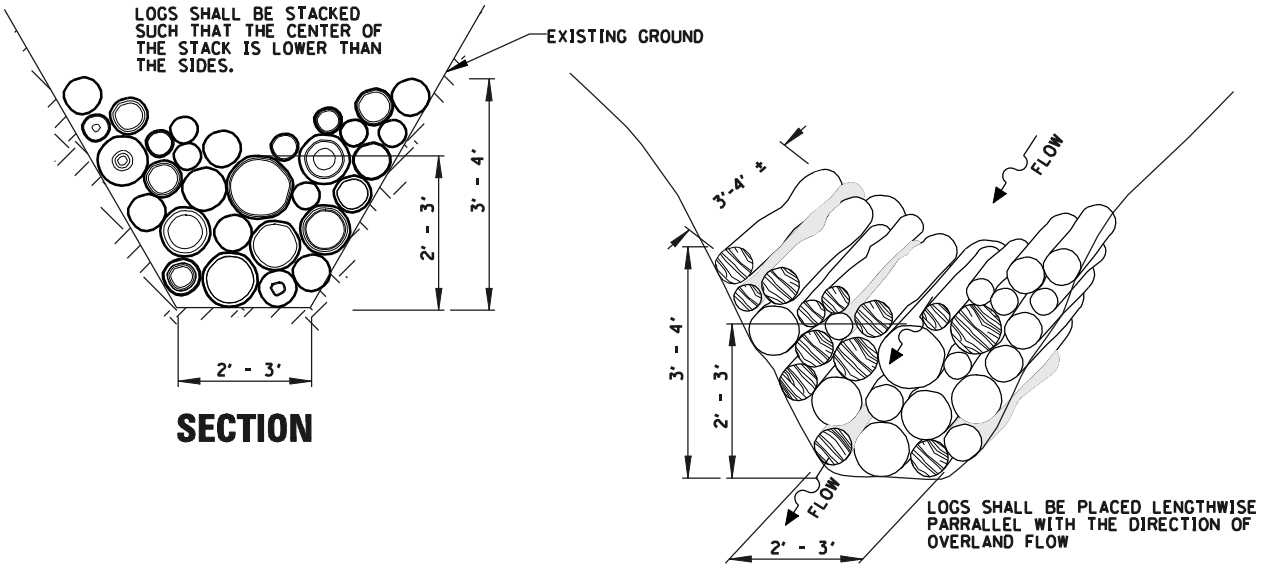

newly
constructed
log check
dam---6 ft high


newly
constructed
log check
dam---4 ft high


3 years old---
gained back 2
ft of material


3 years old---
gained back 2
ft of material

FACT SHEET



WHAT:

Small stack of logs placed in zero order or first order drainage ways that carry surface water flow only after storm events or snow melt.

WHY:

The logs are stacked to stabilize the slope grade, slow the water runoff, store a small amount of sediment, and reduce erosion.

WHERE:

Appropriate in ditches, swales, overland flow areas. Stabilizers can be placed in series down a slope such that the bottom of the upstream stabilizer is just above the top of the next downstream stabilizer. Do not place in watercourses, streams or major drainage ways.

DETAILS:

Maximum height should be approximately 3' to 4' with a 1' notch or V depression in the center to control flow.

MAINTENANCE:

Inspect during and after large storms or extended periods of rain. Inspect for erosion around top edges, scour and infilling. Re-arrange or remove logs to correct scour issues.

EXAMPLES:

Log check dams have been constructed and are available for viewing at the Camp Wokanda Demonstration Site.

Reference: USFWS Low Tech V Log Check Dam Standard

CLIENT: TRI-COUNTY REGIONAL PLANNING COMMISSION FOREST MANAGEMENT SPECIFICATIONS	TITLE: LOG GRADE STABILIZER "LOW TECH "V" LOG CHECK DAM"	PROJECT NO. 07-167
		SHEET OF
		DRAWING NO.

CHRISTOPHER B. BURKE ENGINEERING LTD.
202 NE Madison Avenue Suite 301 Peoria, Illinois 61602 (309) 676-9000

DSGN.			SCALE:	1:10	
DWN.			DATE:		
CHKD.			PLOT DATE:	7/20/2007	

FILE NAME P:\07167\Civil\Exhibits\logcheckdam.dgn

pmeyer@mtco.com

From: Figge, Gene <Gene.Figge@Illinois.gov>
Sent: Wednesday, January 9, 2019 11:09 AM
To: Patrick Meyer; Bennett, Todd; Thorp, Jason
Cc: Huson, Todd; Jungles, Paul
Subject: RE: [External] FW: Log Check Dams

I am fine with it, but that is not something you will ever get a formal blessing on from the Agency. That is the sort of thing we just do not do because as inspectors we are not omnipotent. All you will ever get is something along the lines of "it appears to be in compliance with the Act and Regulations." So, it appears to be in compliance with the Act and Regulations when executed in this manner.

Gene Figge
Environmental Protection Specialist
412 SW Washington
Peoria, IL 61602
309/671-3070

From: pmeyer@mtco.com <pmeyer@mtco.com>
Sent: Wednesday, January 09, 2019 11:04 AM
To: Bennett, Todd <Todd.Bennett@Illinois.gov>; Figge, Gene <Gene.Figge@Illinois.gov>; Thorp, Jason <Jason.Thorp@Illinois.gov>
Cc: Huson, Todd <Todd.Huson@Illinois.gov>; Jungles, Paul <Paul.Jungles@Illinois.gov>
Subject: [External] FW: Log Check Dams

Todd/Gene/Jason…did you have any more thoughts regarding our log check dams…I would really like to get your blessings from both land and storm water…

Sincerely,

Patrick

Patrick N. Meyer & Associates, Inc.
Patrick N. Meyer, P.E., M.B.A.

From: pmeyer@mtco.com <pmeyer@mtco.com>
Sent: Wednesday, October 10, 2018 11:20 AM
To: 'Bennett, Todd' <Todd.Bennett@Illinois.gov>; 'Figge, Gene' <Gene.Figge@Illinois.gov>; 'jason.thorp@illinois.gov' <jason.thorp@illinois.gov>
Subject: Log Check Dams

Todd/Gene/Jason…

As we discussed, we have been recommending log check dams as a good way to naturally deter erosion. Here is an example standard and a real life example. We have seen a significant amount of sediment trap behind the log check dams in a relatively short amount of time…as much as 1 ft in a 2 years. I believe Todd supports the use of these…I wanted to send the attachments to Gene and Jason to help you realize the benefit. Please comment back.

Sincerely,

Patrick

Patrick N. Meyer & Associates, Inc.
Patrick N. Meyer, P.E., M.B.A.

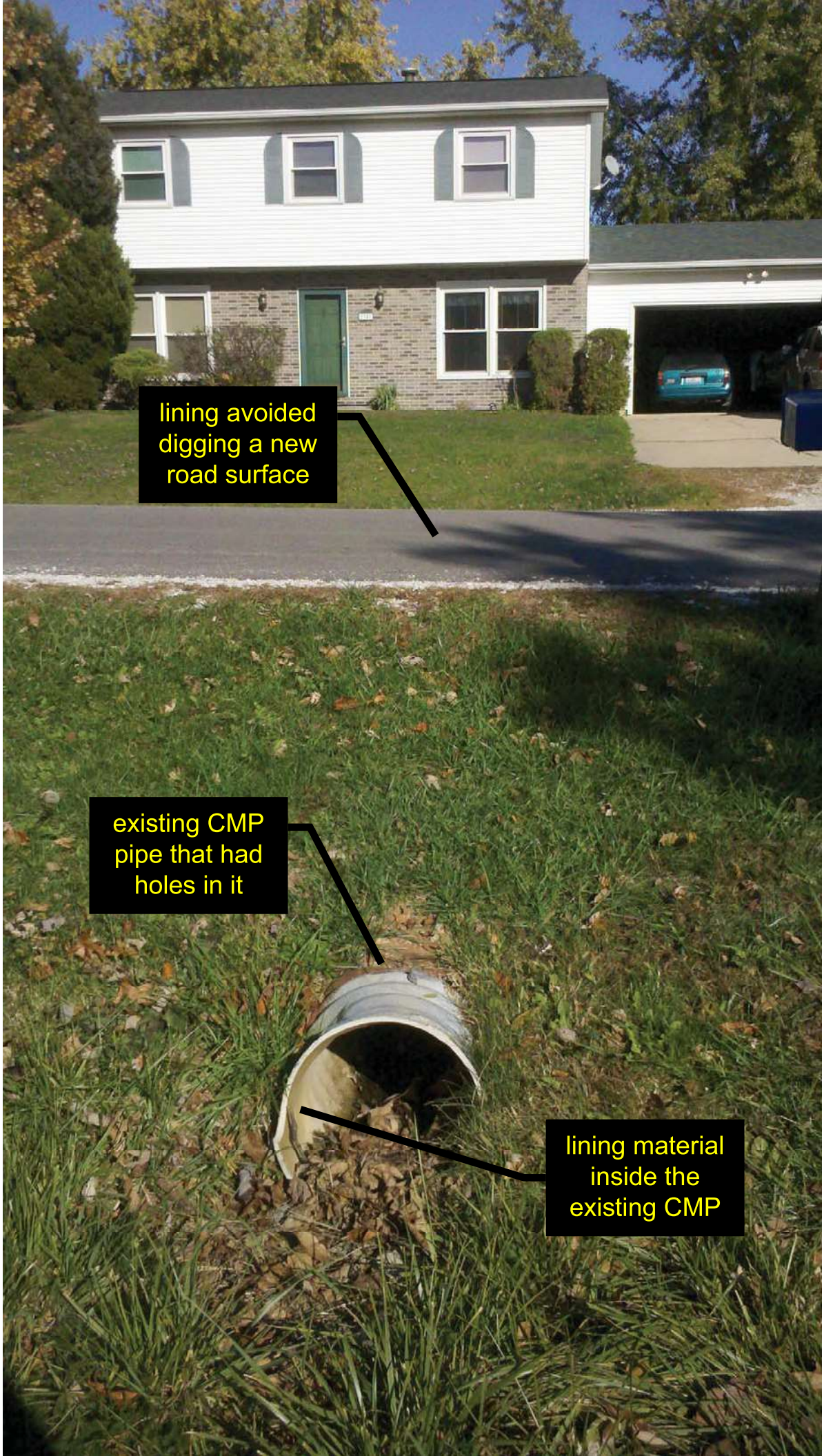
Exhibit G


buried outfall

Exhibit H


example of corrugated metal pipe that is rusted through-factors of deterioration include age and salt on metal

Exhibit I


lining avoided digging a new road surface
existing CMP pipe that had holes in it
lining material inside the existing CMP


existing CMP pipe that had holes in it
lining material inside the existing CMP


lining material


10/12/06 08:17
191.3 FT
MH START: 11694
MH STOP: 11613
lining material creating a seamless pipe inside the existing deteriorated pipe

Exhibit J

Phase 1

High Priority Projects

						$1,175,000			
OBJECTID	Material Type	Diameter (inches)	Pipe Condition	Erosion Condition	Depth of Erosion (ft)	Cost	Location	VI - Other Comments?	Notes
232	Corrugate	15	Very Poor	1 - Severe Erosion (>5ft)	30 ft	$ 200,000	Off of Harvey	The pipe has extremely SEVERE erosion occurring, up to 30 ft	Pipe sections are coming apart and is in proximity of building
10	Corrugate	18	Very Poor	1 - Severe Erosion (>5ft)	20ft plus	$ 200,000	Off of Centennial Hill	The pipe has bad rust and is broken near the bottom of the pipe… Also, the end section fell off	There is extreme erosion on the hillside behind the pipe, creeping towards the road… Also, not completely sure on the pipe size, somewhere close to a 18" pipe
92	Corrugate	24	Very Poor	1 - Severe Erosion (>5ft)	14-15 ft	$ 75,000	Off of Illini	Severe erosion up to 14-15 ft and little to no standing water	The pipe itself is in good shape but parts of the pipe have come off due to erosion
194	Corrugate	18	Poor	1 - Severe Erosion (>5ft)	15 ft	$ 75,000	Off of Terrace Ln	This outfall has SEVERE erosion	The pipe is rusting
260	Steel	13	Poor	1 - Severe Erosion (>5ft)	15 ft	$ 75,000	Off of Maria	Televise!	The pipe is rusted
214	Corrugate	15	Very Poor	1 - Severe Erosion (>5ft)	10-12 ft	$ 75,000	Off of Springfield Rd	The pipe has severe erosion up to 10-12 ft	The pipe is rusting bad causing severe erosion
263	Corrugate	12	Fair	1 - Severe Erosion (>5ft)	12	$ 75,000	Off of Maria	There is major erosion at the outfall due to break in pipe	Pipes been broken in places and is eroding
94	Corrugate	18	Very Poor	1 - Severe Erosion (>5ft)	9-10	$ 150,000	Off of Illini	9-10 feet of erosion, no standing water	Belly of pipe is completely rusted out and is completely falling apart as it's coming of the hillside.
166	Corrugate	24	Poor	1 - Severe Erosion (>5ft)	10 ft	$ 150,000	Off of Oakwood	Bad erosion around the outfall	The pipe bottom is rusted
261	Corrugate	10	Poor	1 - Severe Erosion (>5ft)	10 ft	$ 100,000	Off of Maria	Severe erosion occurring outside the outfall pipe	Rusty with holes, may be broken off in the pipe

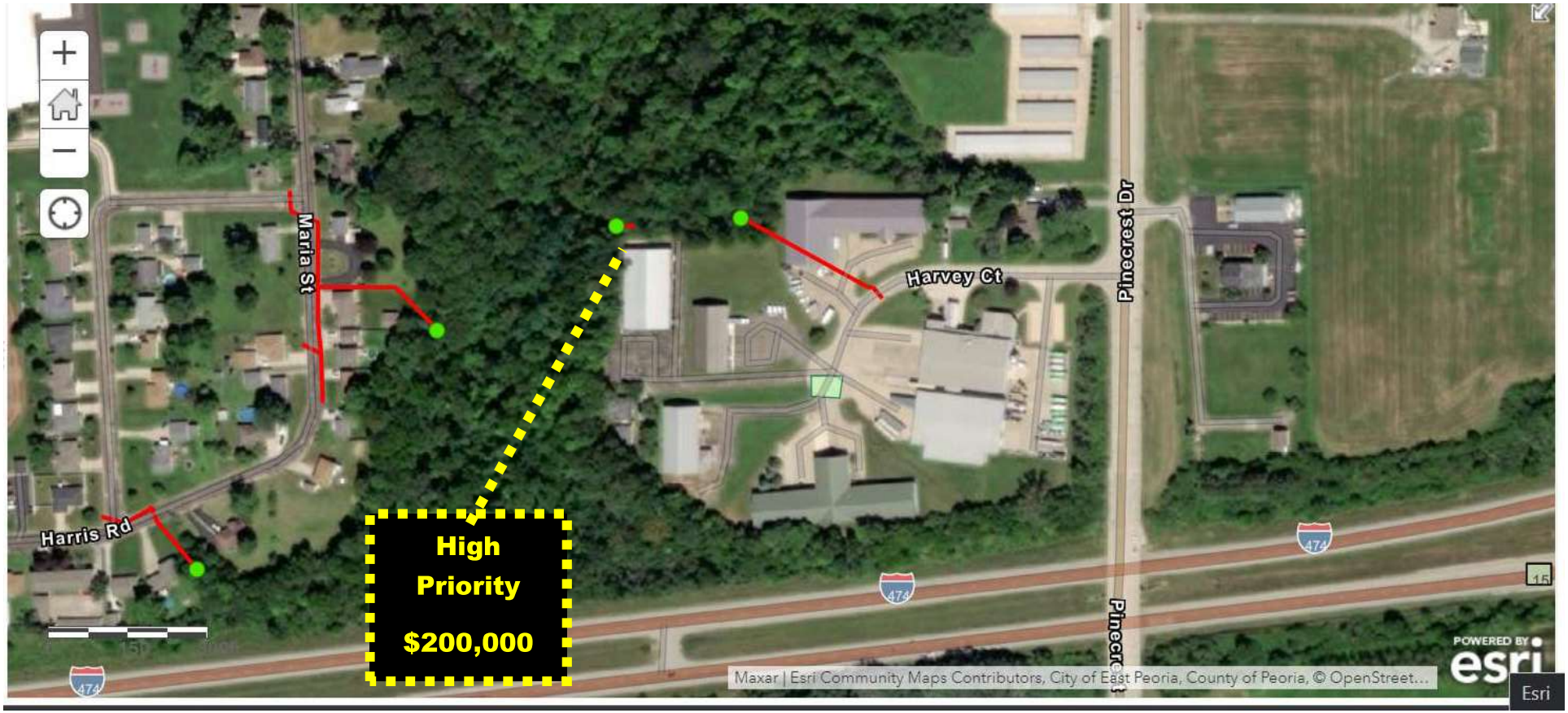
High Priority Projects

OBJECTID	Material Type	Diameter (inches)	Pipe Condition	Erosion Condition	Depth of Erosion (ft)	Cost	Location	VI - Other Comments?	Notes
262	Corrugate	10	Poor	1 - Severe Erosion (>5ft)	10 ft			Severe erosion and pipe is rusted	Bad erosion and erosion creeping up on homeowners garage approx 10 ft away
173	Corrugate	18	Good	1 - Severe Erosion (>5ft)	8 ft			There is erosion approx 8ft and no standing water in the outflow pipe	The pipe itself is in good shape with no visible damage
227	Corrugate	24	Fair	1 - Severe Erosion (>5ft)	7-8 ft			There is severe erosion and standing water outside the pipe	The pipe is in decent shape
305	Corrugate	12	Fair	1 - Severe Erosion (>5ft)	8 ft			There is some severe erosion outside the pipe, approx 8 ft… no standing water	The pipe is in decent shape with no visible damage, but there is some severe erosion happening
323	Concrete	24	Very Poor	1 - Severe Erosion (>5ft)	7-8 ft			There is severe erosion around the outfall and going down the ditch	The end pipe section has come off and erosion is occurring at the separation… more pipe section will fall off as the erosion continues to eat towards Pinecrest Dr to the East
98	Concrete	24	Good	1 - Severe Erosion (>5ft)	7			Several sections of pipe is broken off eroding hillside approaching Illini Dr	Outflow not directly visible, but can see rest of the pipe and can hear water flow
220	Corrugate	18	Good	1 - Severe Erosion (>5ft)	6-7 ft			There is some severe erosion occurring here, approx 6-7 ft	The pipe itself looks to be in decent shape
165	Corrugate	15	Poor	1 - Severe Erosion (>5ft)	6 ft			There is erosion approx 6ft with no standing water	The CMP pipe has a rusted bottom

High Priority Projects

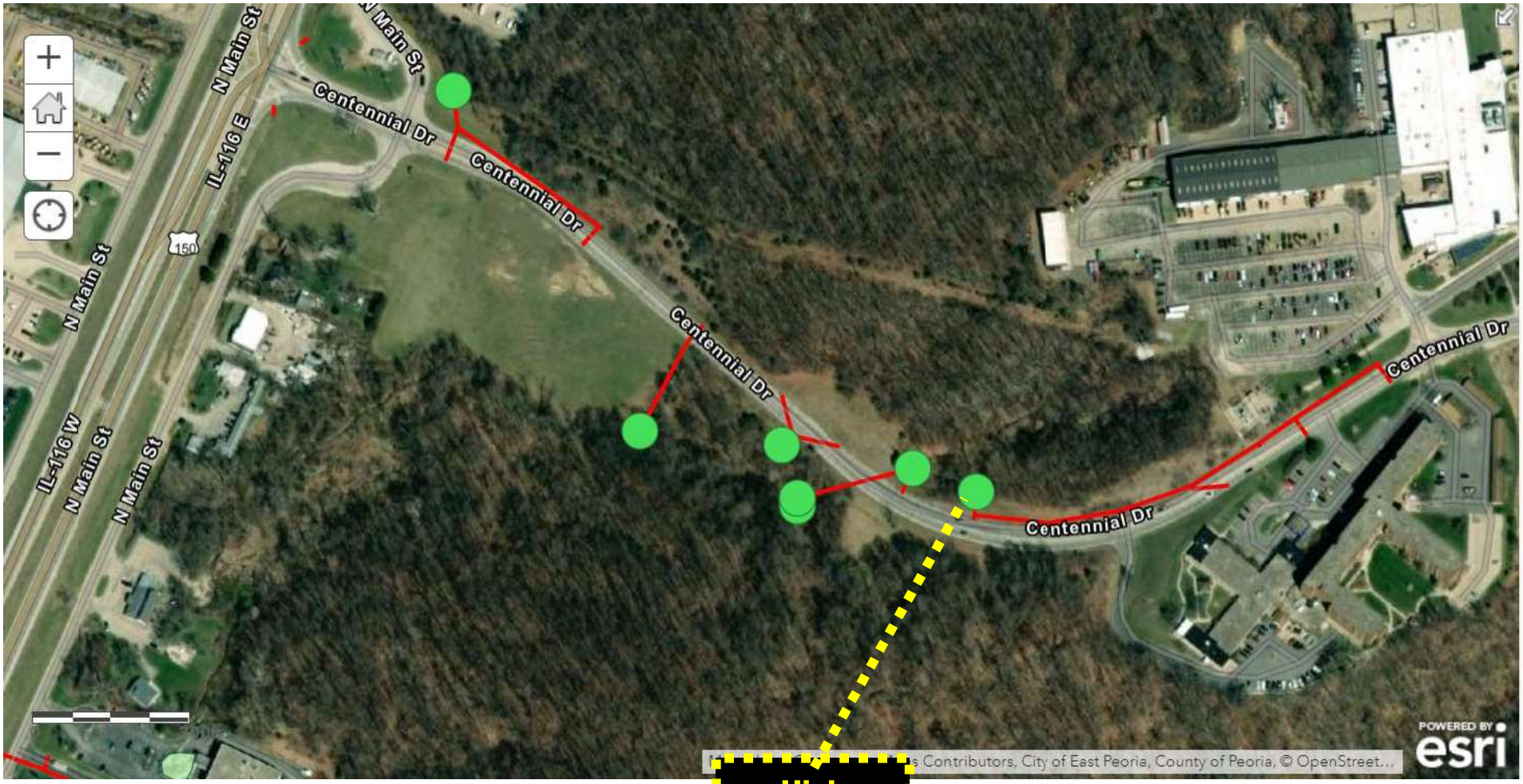
OBJECTID	Material Type	Diameter (inches)	Pipe Condition	Erosion Condition	Depth of Erosion (ft)	Cost	Location	VI - Other Comments?	Notes
181	Corrugate	15	Good	1 - Severe Erosion (>5ft)	6 ft			The pipe is severely damaged… broken off in many places	Has some erosion around the outfall
292	Corrugate	12	Fair	1 - Severe Erosion (>5ft)	6 ft			There is about 6 ft of erosion and the pipe is hanging out 20 ft in	The pipe is in decent shape with no visible damage
299	Corrugate	12	Excellent	1 - Severe Erosion (>5ft)	6			sinkhole	
306	Corrugate	15	Very Poor	1 - Severe Erosion (>5ft)	5-6 ft			The pipe has erosion occurring down the hillside, approx 5-6 ft… no standing water	The pipe is in pieces coming down the hillside and is causing severe erosion
40	Corrugate	18	Poor	1 - Severe Erosion (>5ft)	3-5 ft			Labeled as a 1 because of proximity to houses… The bottom of the pipe in the belly of the gully, there is another major break in the pipe, causing a hole to start eroding… also erosion under the pipe as it goes down the hill	Goes from a 18” CMP to a 18” Corrugated Plastic Pipe… the CMP pipe is in decent shape, but as it switches to the Plastic pipe to dump down the hill, there are multiple breaks in the pipe, causing water to erode underneath the pipe from the break points
215	Other		Poor	1 - Severe Erosion (>5ft)	5 ft			This is not a pipe, but there is erosion from stormwater happening here	There is bad erosion here, affecting road
277	Corrugate	15	Poor	1 - Severe Erosion (>5ft)	3 ft			There is some erosion outside the pipe, approx 3 ft… there is some severe erosion by part of the exposed pipe at the top of hill	TELEVISE! Pipe may be broken or damaged between the inlet and the outfall

Object ID 232-Off of Harvey Ct



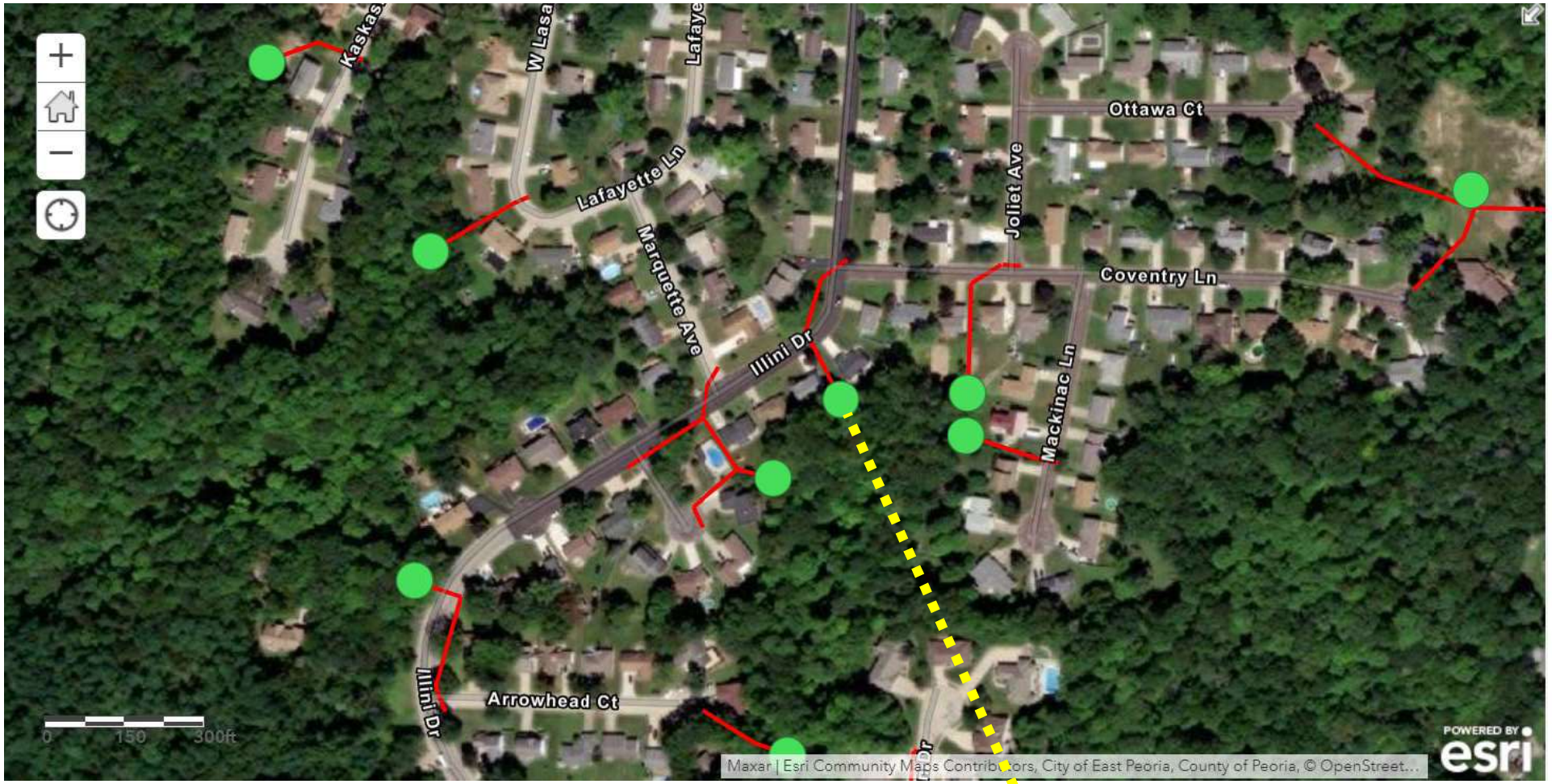
COMPLETED

Object ID 10-Off Centennial Dr



COMPLETED

Object ID 92-Off Illini Dr

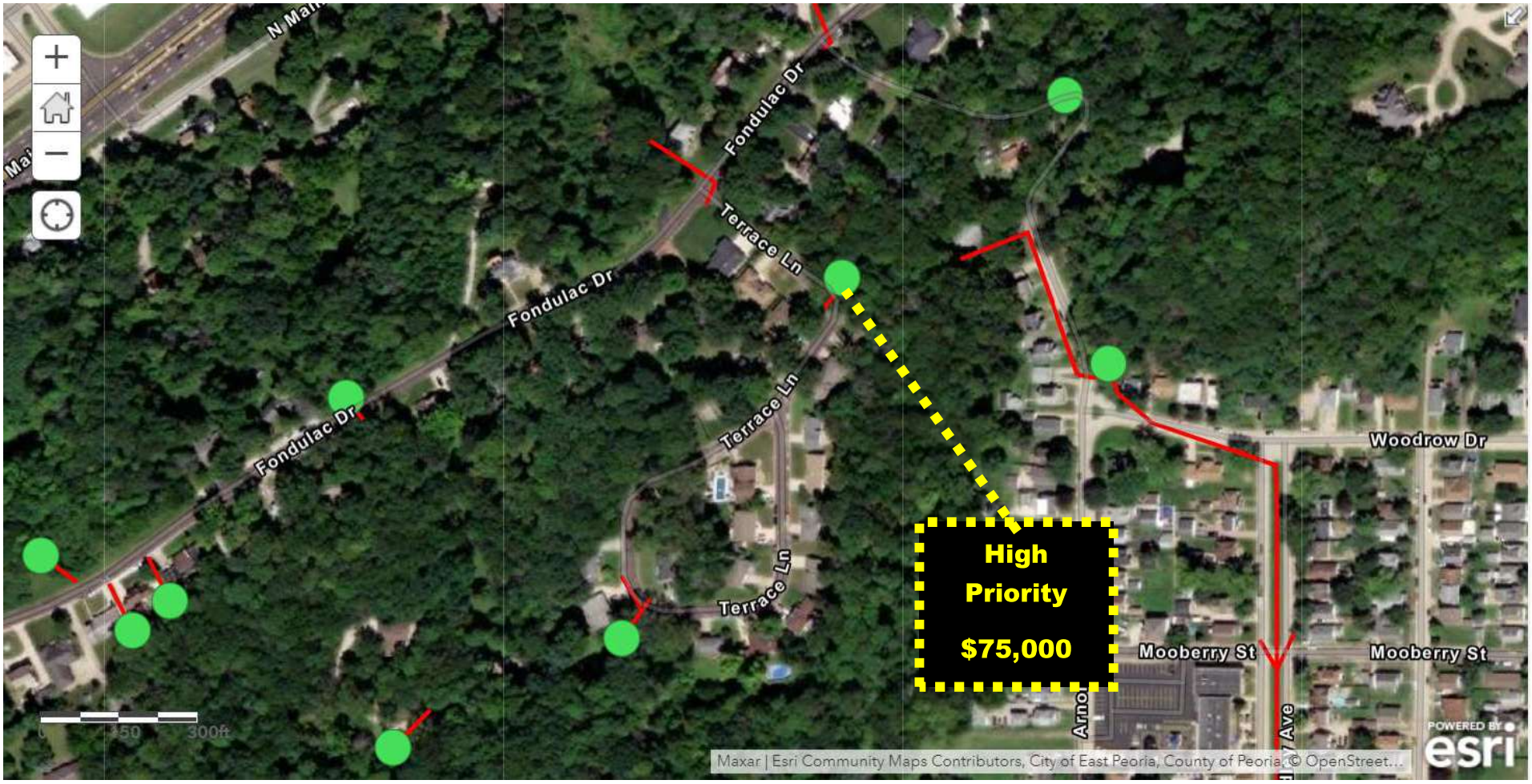


High Priority

$75,000

COMPLETED

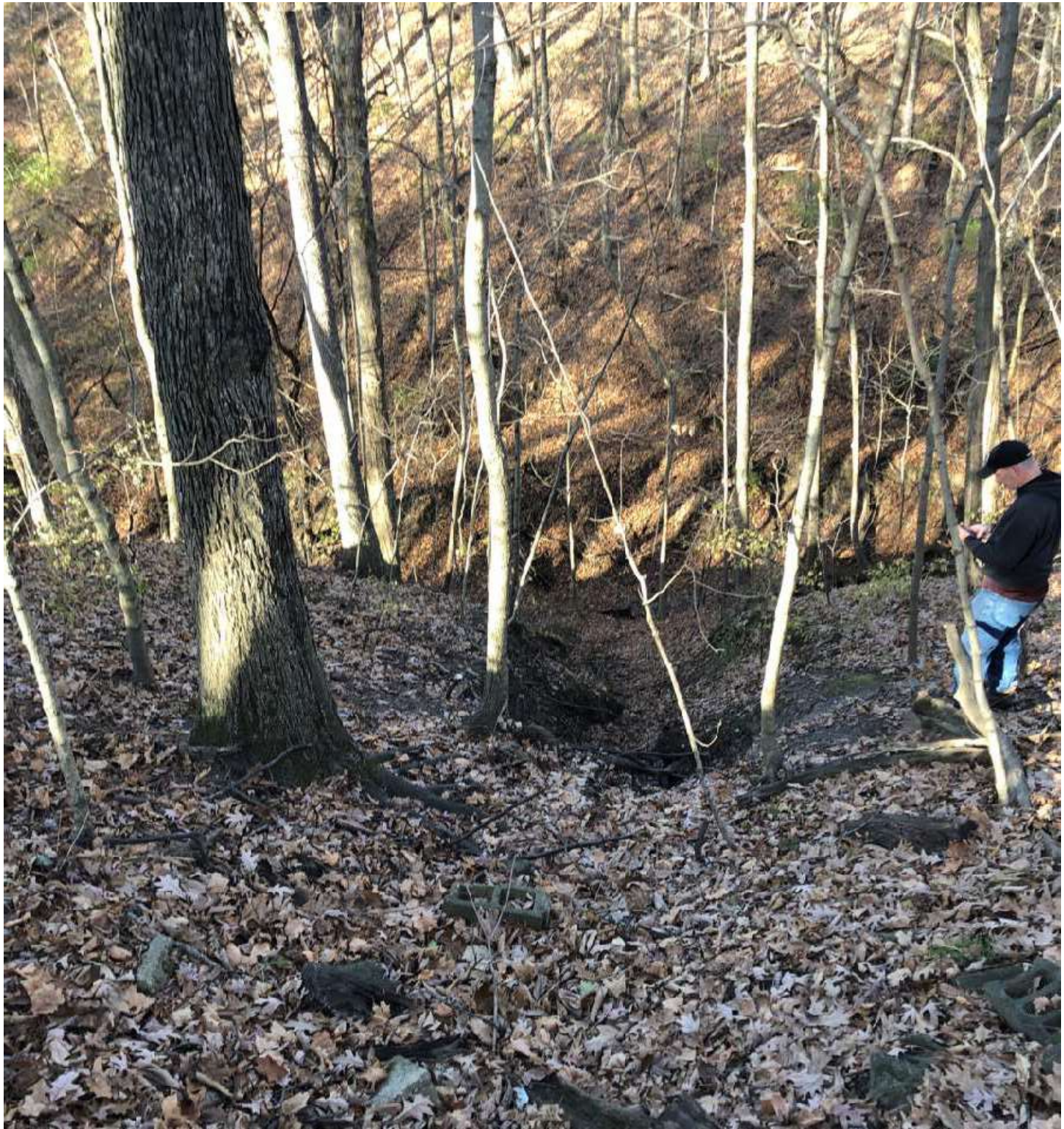
Object ID 194-Off Terrace Ln



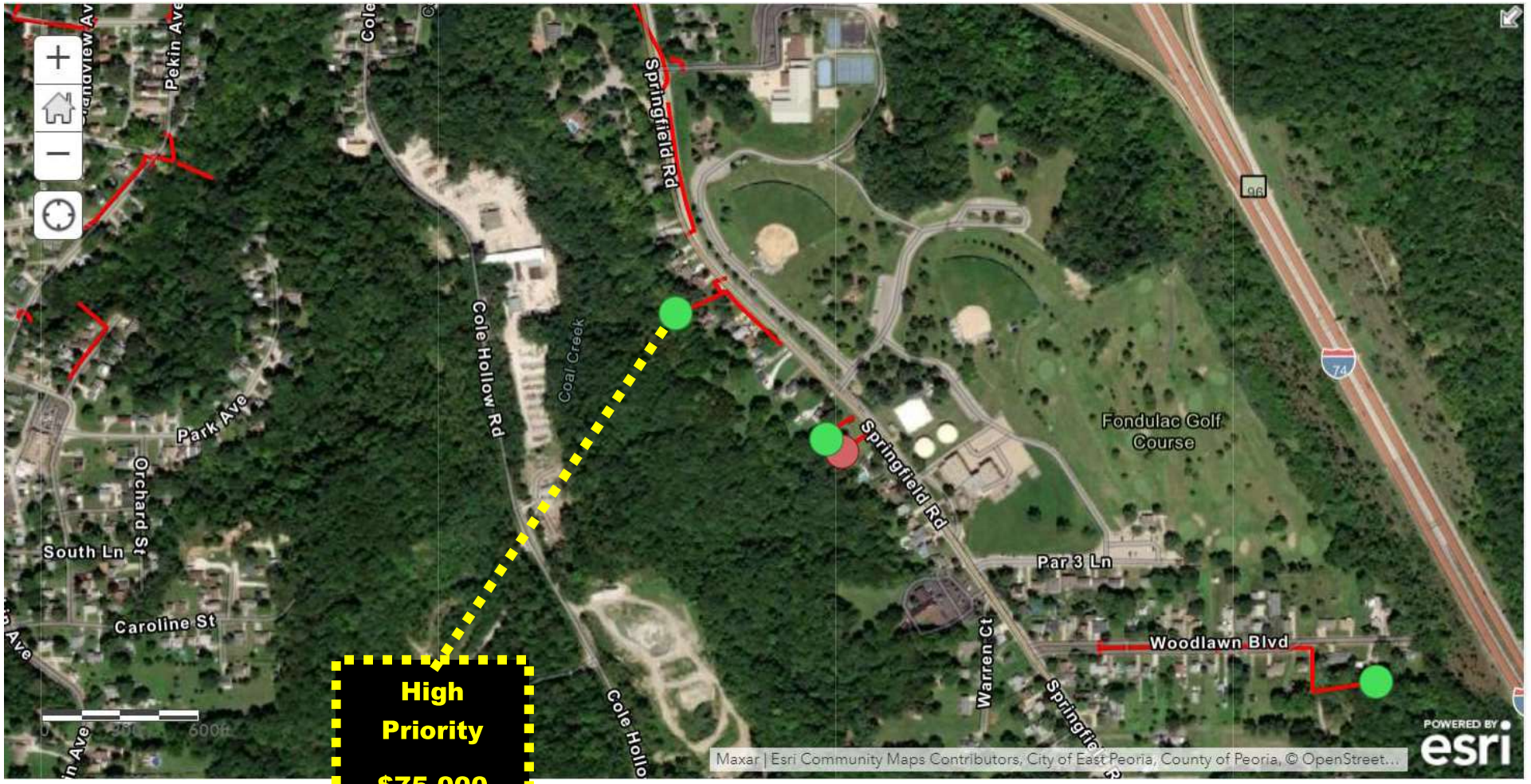
COMPLETED

Object ID 260-Off Maria St

COMPLETED



Object ID 214-Off Springfield Rd

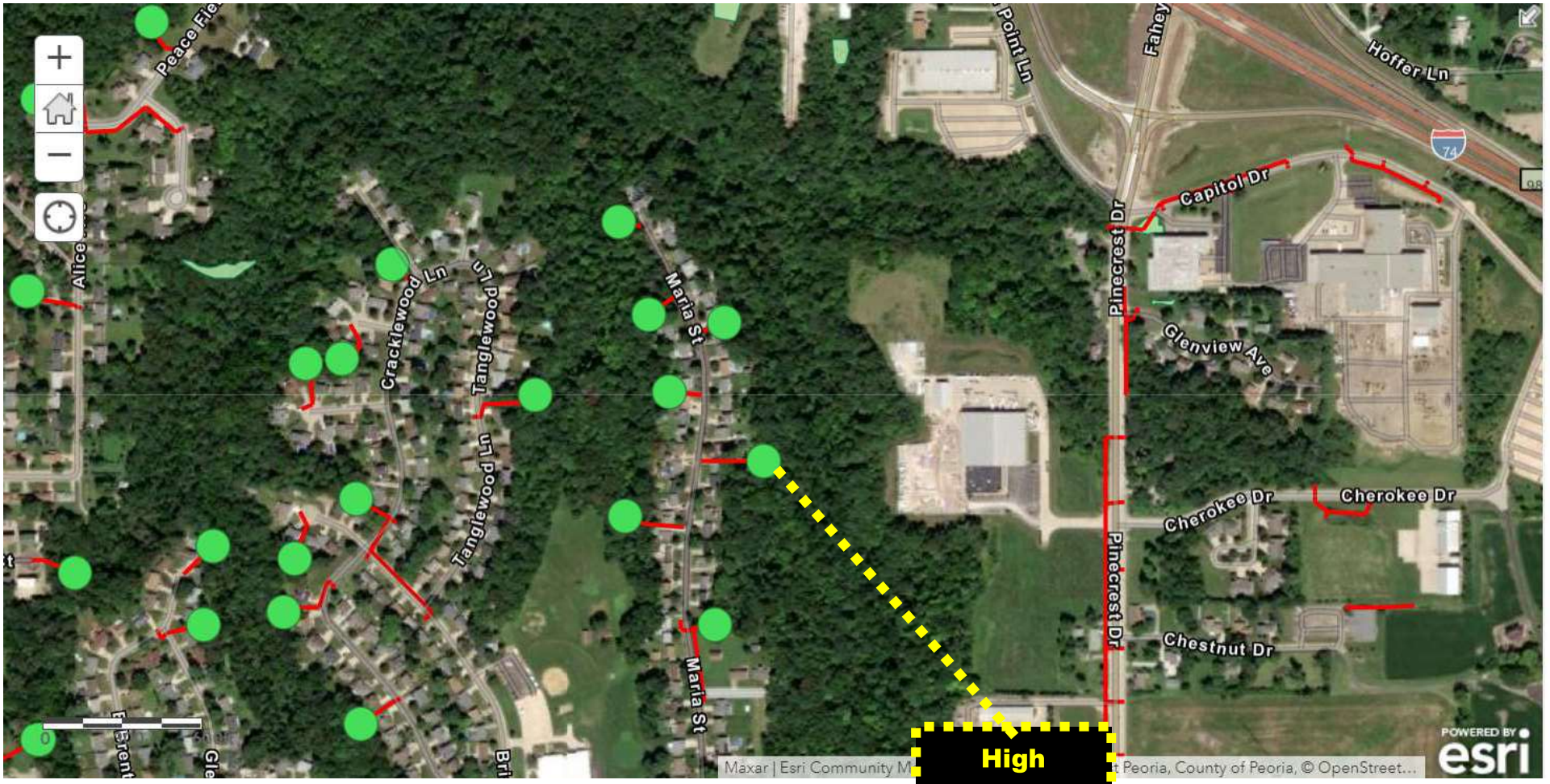


High Priority

$75,000

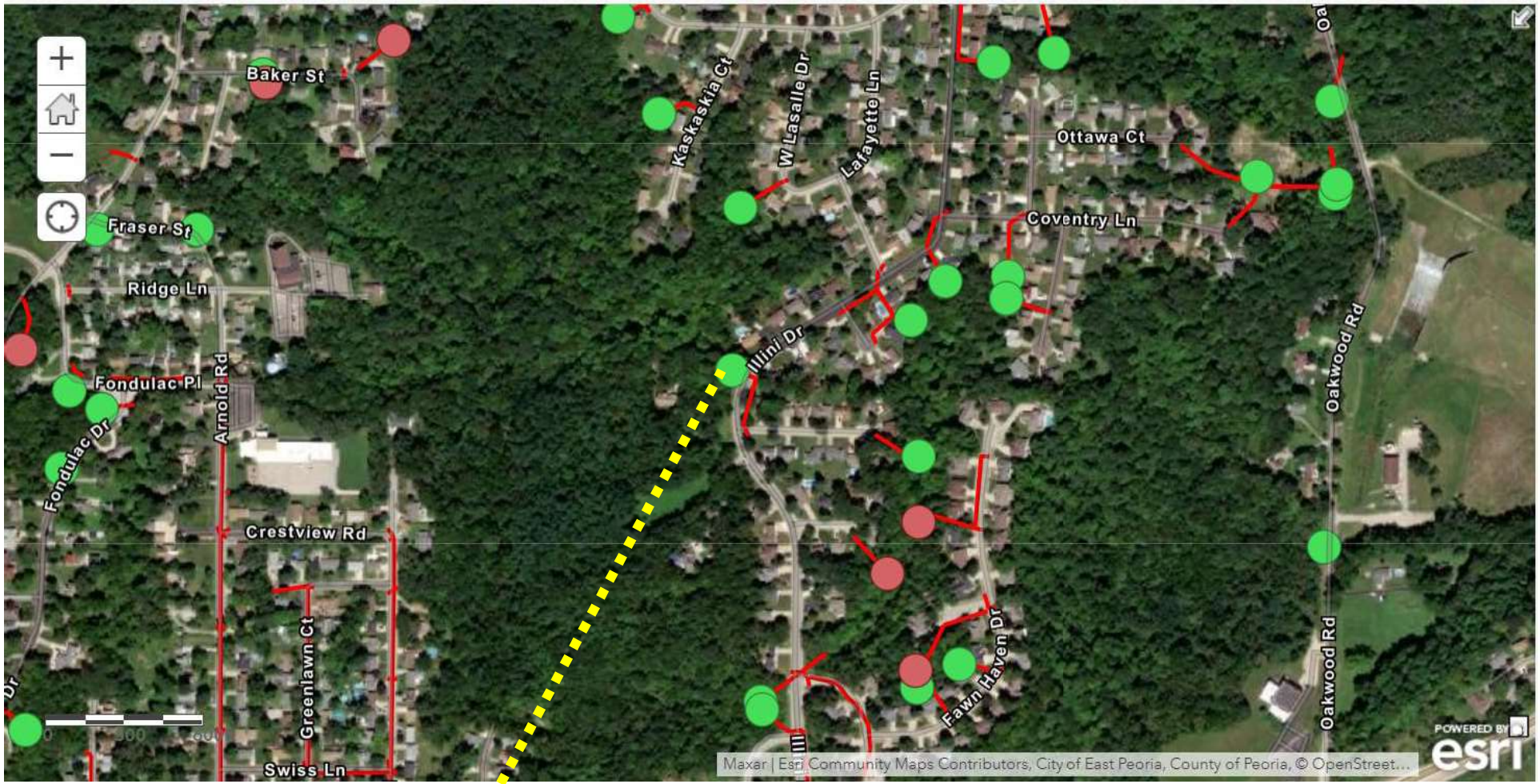
COMPLETED

Object ID 263-Off Maria St



COMPLETED

Object ID 94-Off of Illini Dr

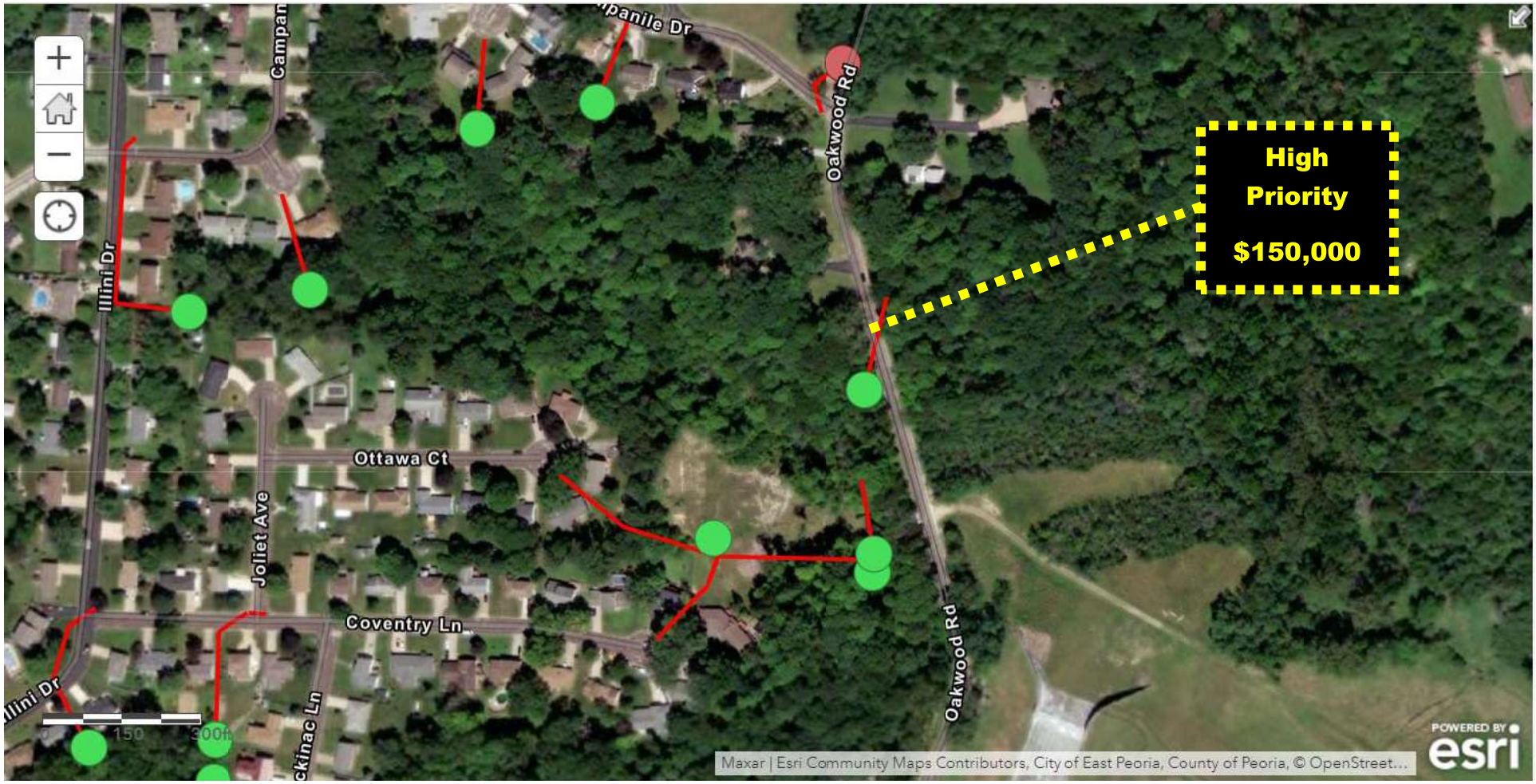


High Priority

$150,000

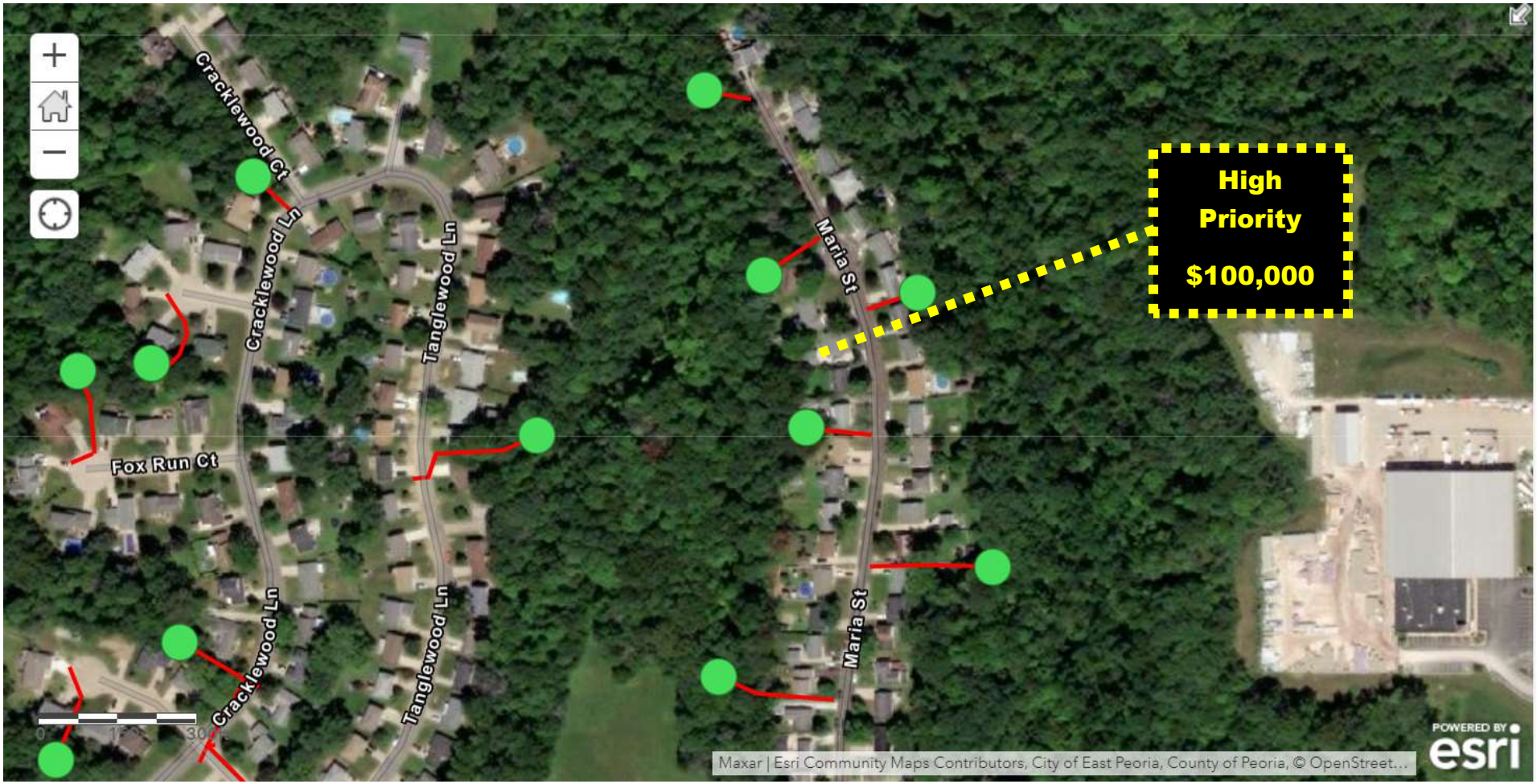
COMPLETED

Object ID 166-Off of Oakwood Rd



COMPLETED

Object ID 261-Off of Maria St



COMPLETED

Phase 2

High Priority Projects

$ 1,080,000.00

OBJECTID	Material Type	Diameter (inches)	Pipe Condition	Erosion Condition	Depth of Erosion (ft)	Cost	Location	VI - Other Comments?	Notes
389	Corrugated Metal	12	Poor	1 - Severe Erosion (>5ft)	8-10ft	$ 40,000.00	Illinois/Eller at corp limits	Server erosion at this outfall, pipe has come apart and erosion is bad at the top of the hill. Approx 40ft from roadway. Pipe used to dump at the bottom of the hill.	The pipe itself is starting to rust and has come apart
173	Corrugated Metal	18	Good	1 - Severe Erosion (>5ft)	8 ft	$ 35,000.00	Castle	There is erosion approx 8ft and no standing water in the outflow pipe	The pipe itself is in good shape with no visible damage
305	Corrugated Metal	12	Fair	1 - Severe Erosion (>5ft)	8 ft	$ 50,000.00	end of Season Drive on right	There is some severe erosion outside the pipe, approx 8 ft… no standing water	The pipe is in decent shape with no visible damage, but there is some severe erosion happening
323	Concrete	24	Very Poor	1 - Severe Erosion (>5ft)	7-8 ft	$ 50,000.00	on Pinecrest close to Muller	There is severe erosion around the outfall and going down the ditch	The end pipe section has come off and erosion is occurring at the separation… more pipe section will fall off as the erosion continues to eat towards Pinecrest Dr to the East

High Priority Projects

181	Corrugated Plastic	15	Good	1 - Severe Erosion (>5ft)	6 ft	$ 60,000.00	on Fondulac Place curve	The pipe is severely damaged… broken off in many places	Has some erosion around the outfall
292	Corrugated Metal	12	Fair	1 - Severe Erosion (>5ft)	6 ft	$ 65,000.00	at end of Lincoln Pkwy on left	There is about 6 ft of erosion and the pipe is hanging out 20 ft in	The pipe is in decent shape with no visible damage
306	Corrugated Plastic	15	Very Poor	1 - Severe Erosion (>5ft)	5-6 ft	$ 50,000.00	at end Pebble Ct	The pipe has erosion occurring down the hillside, approx 5-6 ft… no standing water	The pipe is in pieces coming down the hillside and is causing severe erosion
215	Other		Poor	1 - Severe Erosion (>5ft)	5 ft	$ 30,000.00	on Fondulac Dr just past the wreath place-FDL Park District responsibility	This is not a pipe, but there is erosion from stormwater happening here	There is bad erosion here, affecting road
277	Corrugated Metal	15	Poor	1 - Severe Erosion (>5ft)	3 ft	$ 55,000.00	end of Concord on the left	There is some erosion outside the pipe, approx 3 ft… there is some severe erosion by part of the exposed pipe at the top of hill	TELEVISE! Pipe may be broken or damaged between the inlet and the outfall

High Priority Projects

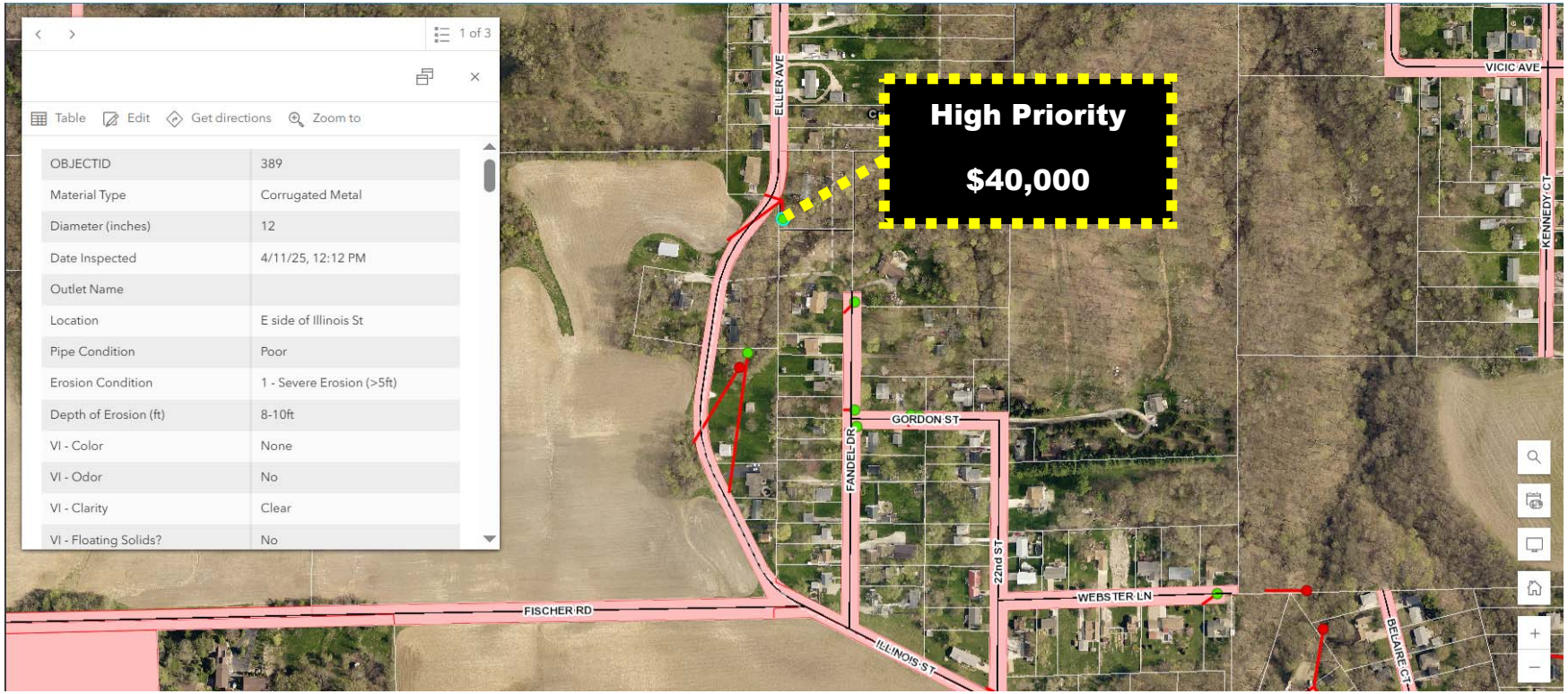
169	Corrugated Metal	21	Very Good	1 - Severe Erosion (>5ft)	15 ft	$ 40,000.00	Wilmar/Mt Aire intersection	Severe erosion about 10 ft away from the outfall, approx 15 ft of erosion… no standing water	The pipe itself is in great shape with no visible damage
467	Corrugated Plastic		Very Poor	1 - Severe Erosion (>5ft)	12	$ 40,000.00	Twin Oaks Ct		Pipe severed, severe erosion
98	Concrete	24	Good	1 - Severe Erosion (>5ft)	7	$ 50,000.00	Illini Dr by Manor Hill (there are 2 it is the upper one)	Several sections of pipe is broken off eroding hillside approaching Illini Dr	Outflow not directly visible, but can see rest of the pipe and can hear water flow
447	Corrugated Metal	12	Unknown	1 - Severe Erosion (>5ft)	7	$ 50,000.00	end of Sumac Ct	Pipe filled halfway with dirt	Metal flare end-section
454	Corrugated Metal	24	Very Good	1 - Severe Erosion (>5ft)	7	$ 45,000.00	half way down Lee Ct		

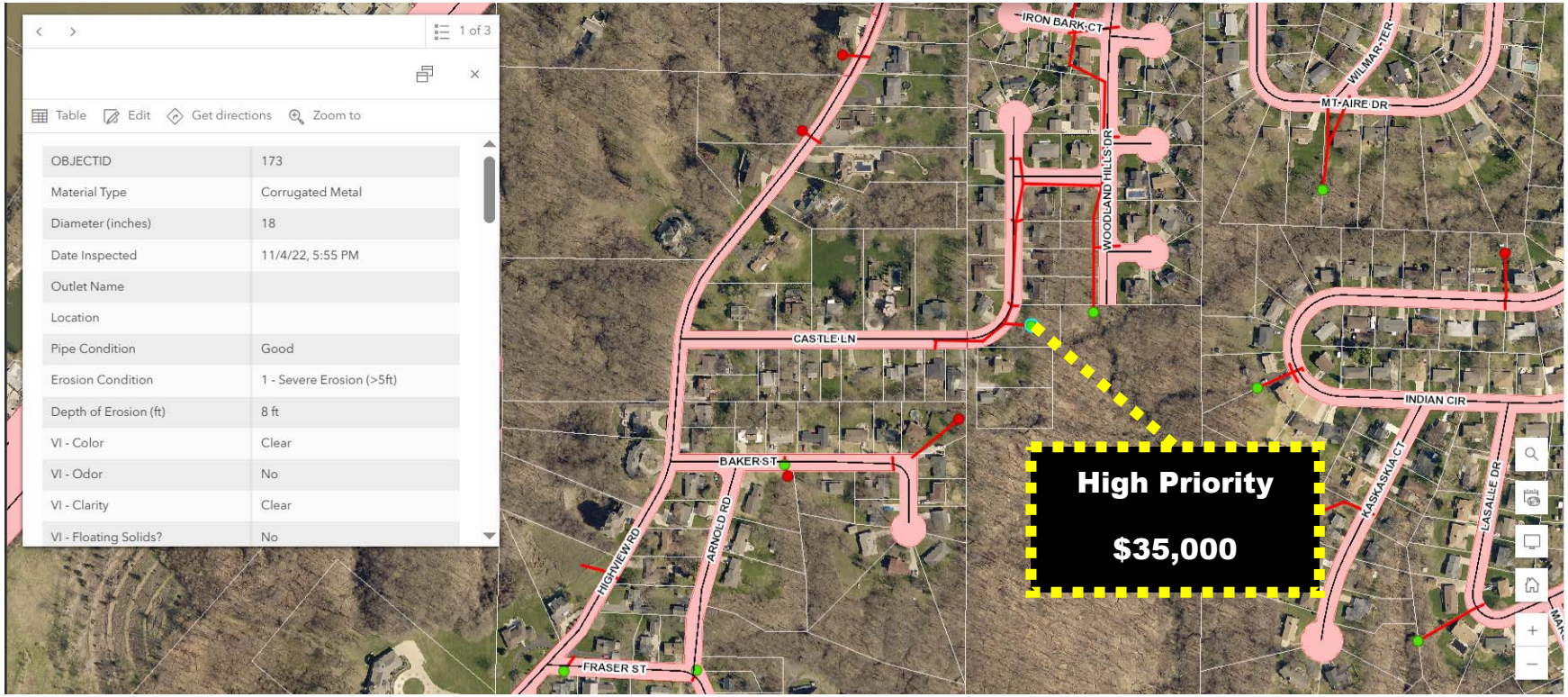
High Priority Projects

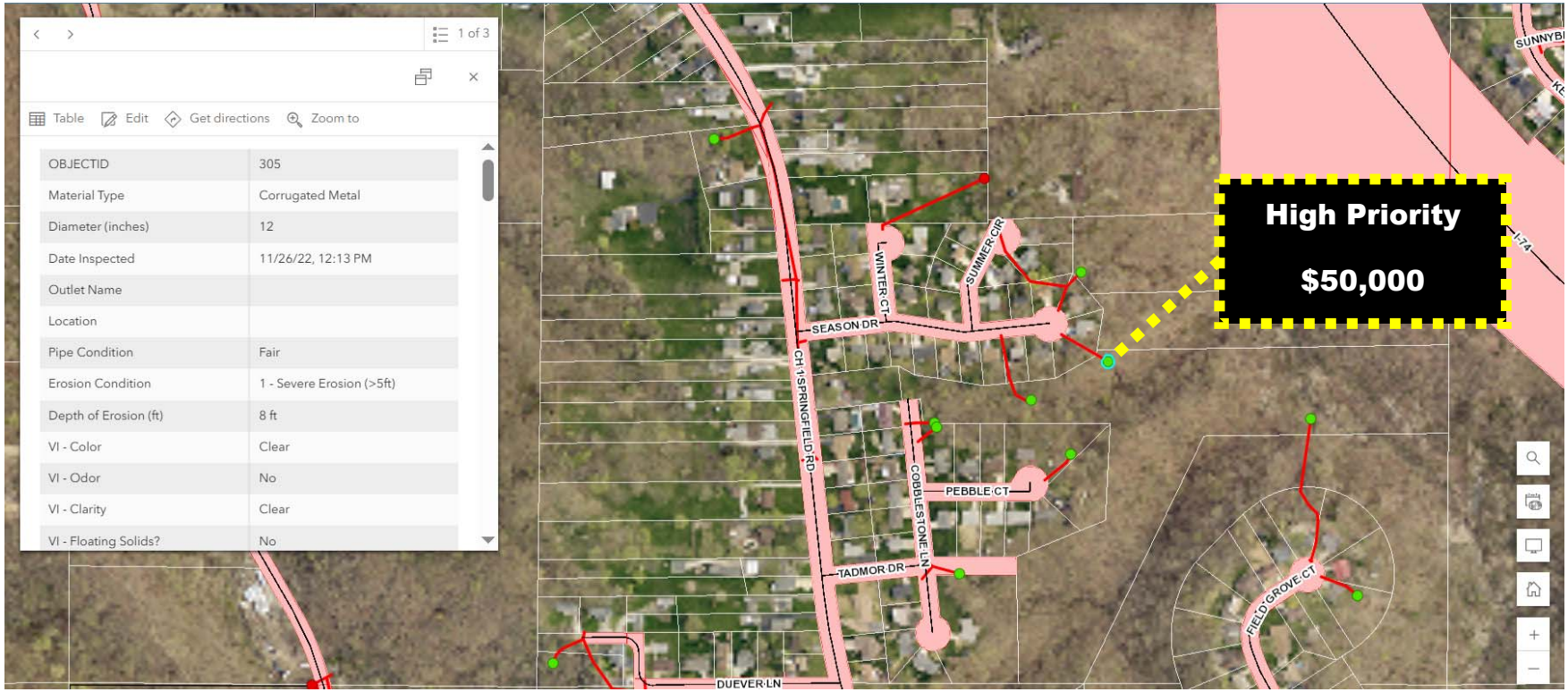
501	Corrugated Metal		Unknown	1 - Severe Erosion (>5ft)	7	$ 50,000.00	end of Alamo Dr		
534	Corrugated Metal	15	Unknown	1 - Severe Erosion (>5ft)	7	$ 35,000.00	end of Stahl		Metal flared end-section
523	Corrugated Metal	15	Very Good	1 - Severe Erosion (>5ft)	6	$ 50,000.00	end of N Carlock Ct		
428	Corrugated Metal	18	Fair	1 - Severe Erosion (>5ft)	5	$ 50,000.00	end of Jim Ct		Metal flared end-section, Hole in base of pipe.
448	Concrete	30	Very Good	1 - Severe Erosion (>5ft)	5	$ 40,000.00	at the intersection of N Pleasant and Walnut Dr		Surrounding area experiencing heavy erosion.

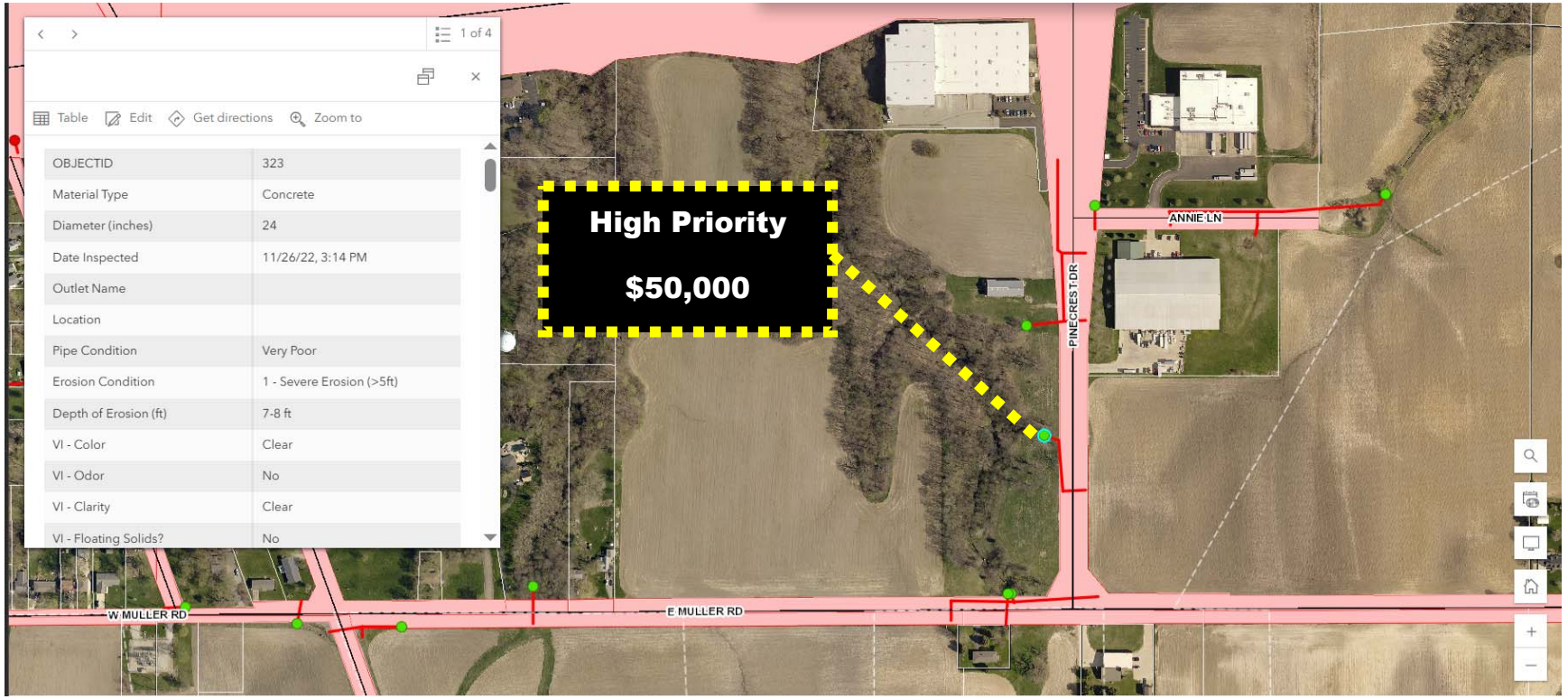
High Priority Projects

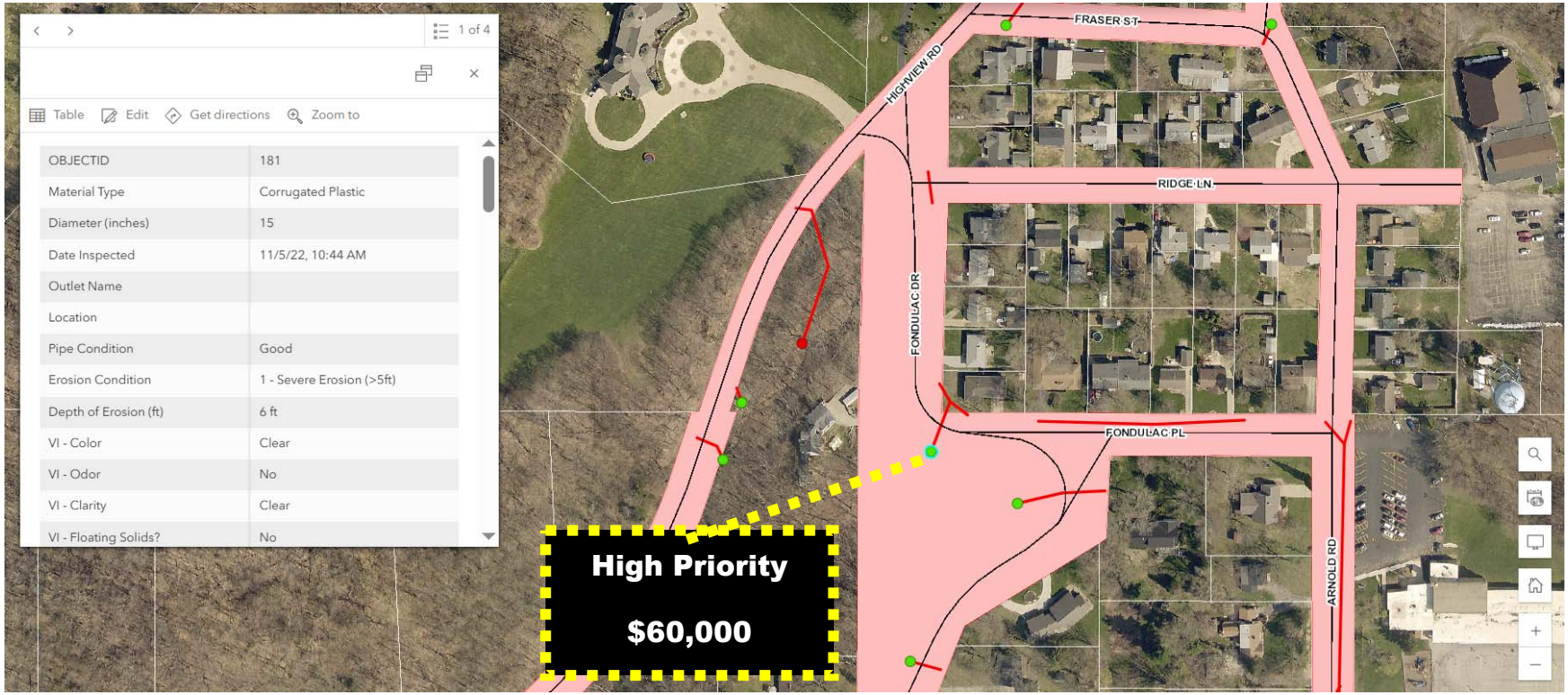
450	Corrugated Metal	15	Very Good	1 - Severe Erosion (>5ft)	5	$ 40,000.00	end of Canterbury Ct		Metal flared end-section
451	Corrugated Metal	15	Poor	1 - Severe Erosion (>5ft)	5	$ 55,000.00	on Inglewood between Ridge and Oakwood		Hole in pipe, significant erosion under pipe, metal flared end-section
460	Corrugated Metal	18	Unknown	1 - Severe Erosion (>5ft)	5	$ 50,000.00	at the intersection of Robyn and Diana		Lots of pipe exposed, heavy erosion present
493				1 - Severe Erosion (>5ft)		$ 50,000.00	at the end of William St		

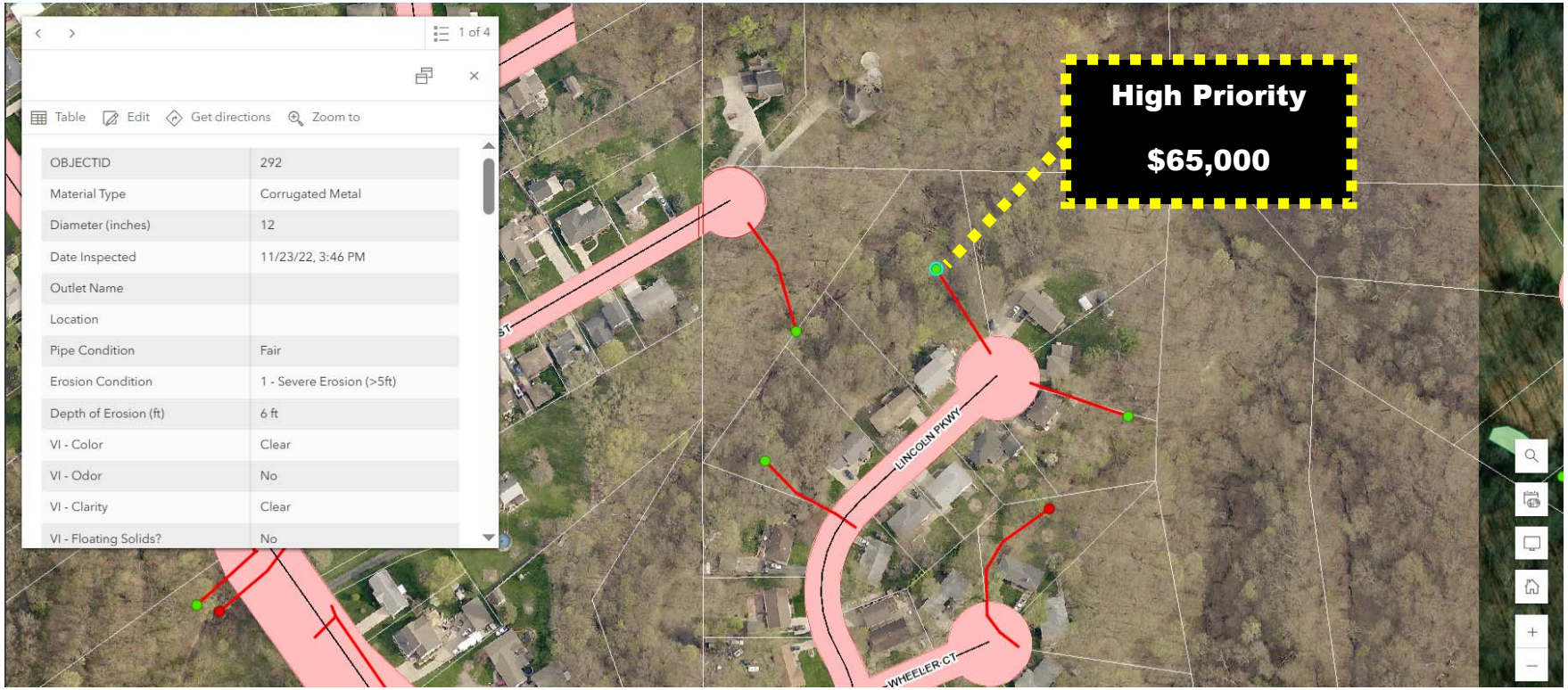

1 of 3
Table
Edit
Get directions
Zoom to
OBJECTID 389
Material Type Corrugated Metal
Diameter (inches) 12
Date Inspected 4/11/25, 12:12 PM
Outlet Name
Location E side of Illinois St
Pipe Condition Poor
Erosion Condition 1 - Severe Erosion (>5ft)
Depth of Erosion (ft) 8-10ft
VI - Color None
VI - Odor No
VI - Clarity Clear
VI - Floating Solids? No
High Priority
$40,000
ELLER AVE
VICIC AVE
KENNEDY CT
GORDON ST
FANDEL DR
22nd ST
WEBSTER LN
FISCHER RD
ILLINOIS ST
BELAIRE CT

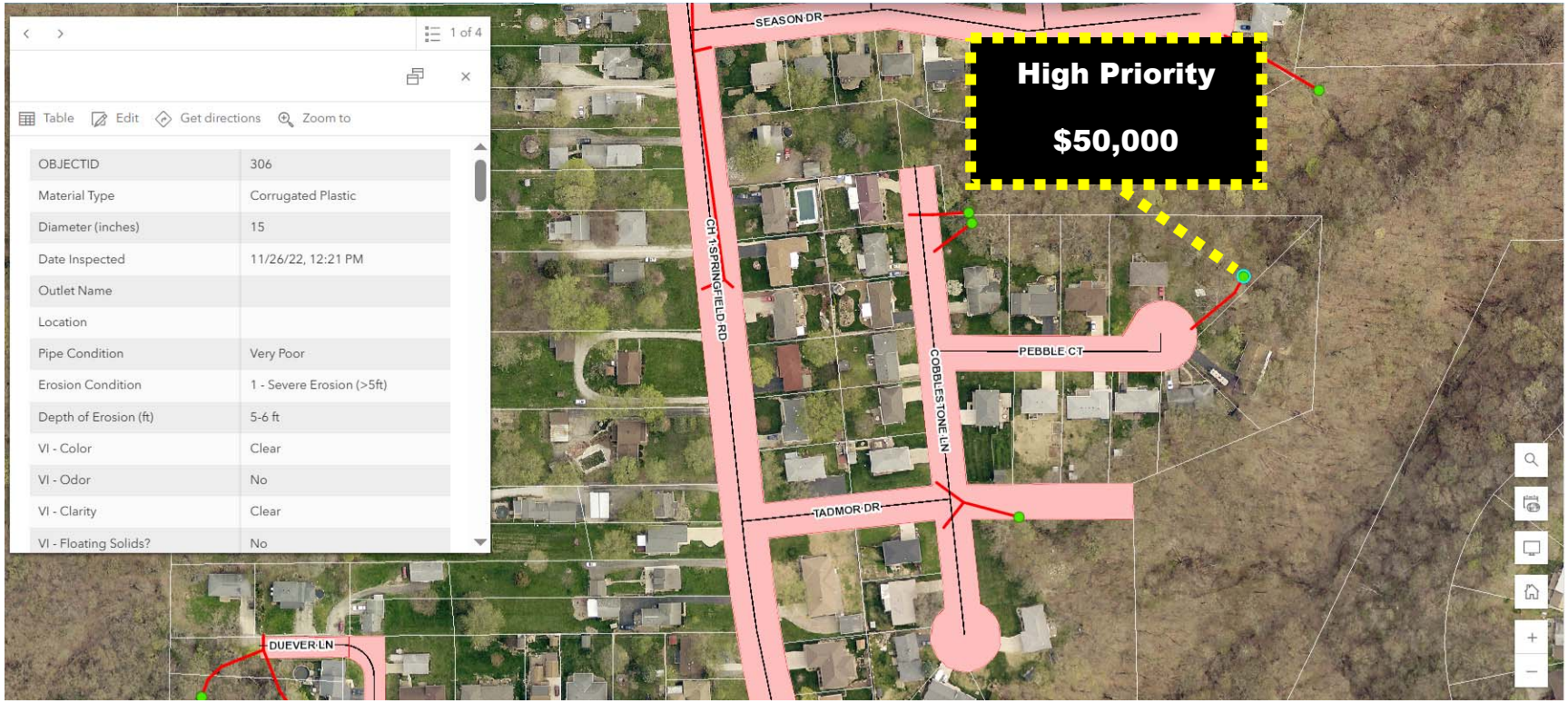

1 of 3
Table
Edit
Get directions
Zoom to
OBJECTID 173
Material Type Corrugated Metal
Diameter (inches) 18
Date Inspected 11/4/22, 5:55 PM
Outlet Name
Location
Pipe Condition Good
Erosion Condition 1 - Severe Erosion (>5ft)
Depth of Erosion (ft) 8 ft
VI - Color Clear
VI - Odor No
VI - Clarity Clear
VI - Floating Solids? No
IRON BARK CT
WILMAR TER
MT AIRE DR
WOODLAND HILLS DR
CASTLE LN
INDIAN CIR
BAKER ST
HIGHVIEW RD
ARNOLD RD
FRASER ST
KASKASKIA CT
LASALLE DR
High Priority
$35,000

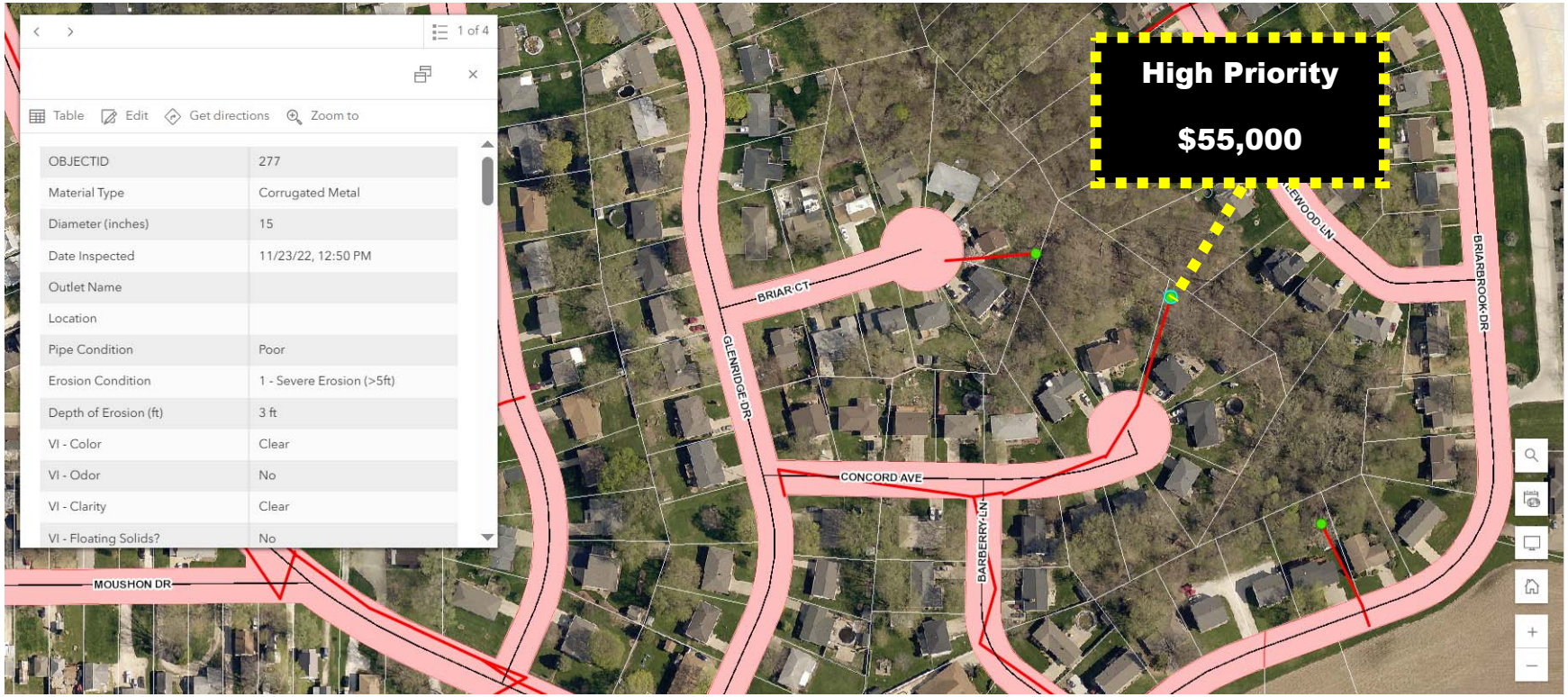

1 of 3
Table
Edit
Get directions
Zoom to
OBJECTID 305
Material Type Corrugated Metal
Diameter (inches) 12
Date Inspected 11/26/22, 12:13 PM
Outlet Name
Location
Pipe Condition Fair
Erosion Condition 1 - Severe Erosion (>5ft)
Depth of Erosion (ft) 8 ft
VI - Color Clear
VI - Odor No
VI - Clarity Clear
VI - Floating Solids? No
High Priority
$50,000
SEASON DR
WINTER CT
SUMMER CIR
CH 15 SPRINGFIELD RD
COBBLESTONE LN
PEBBLE CT
TADMOR DR
FIELD GROVE CT
DUEVER LN
I-74

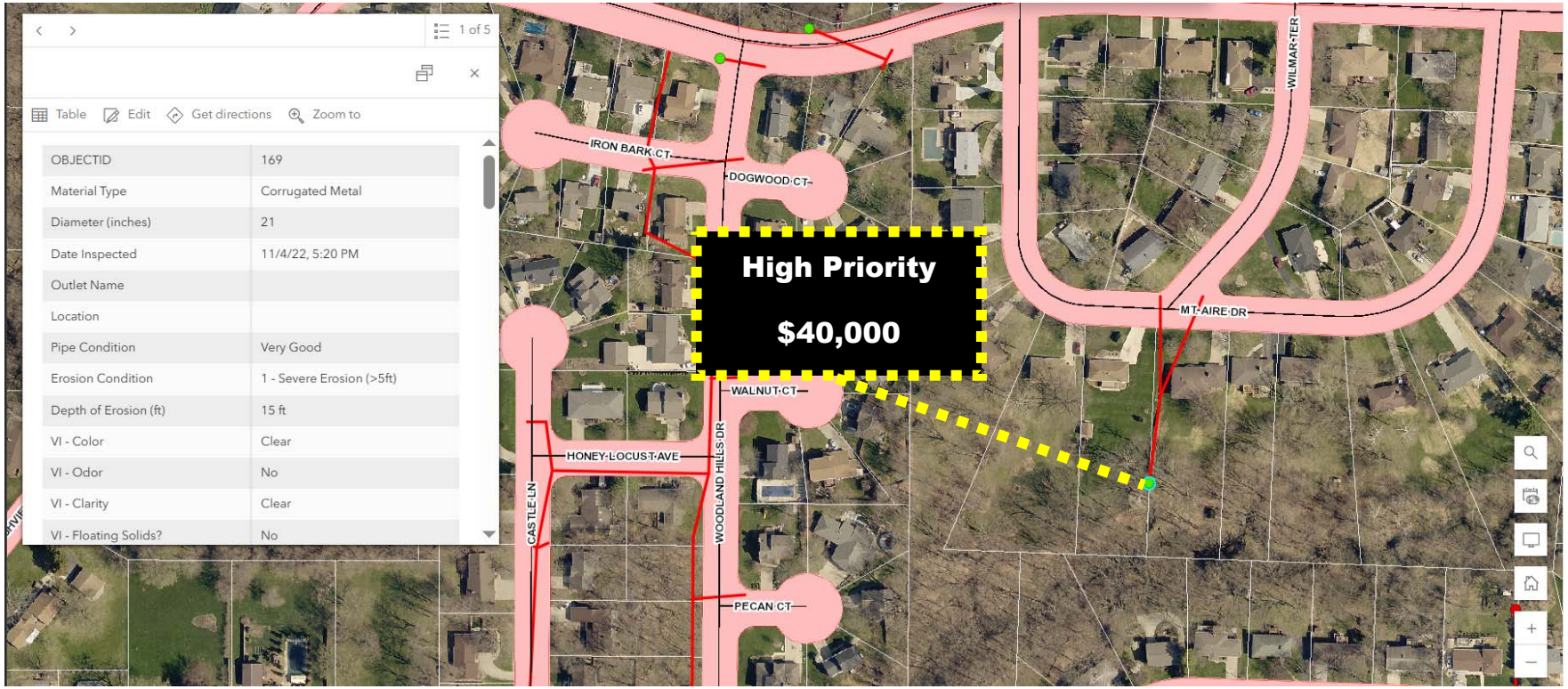

1 of 4
Table
Edit
Get directions
Zoom to
OBJECTID 323
Material Type Concrete
Diameter (inches) 24
Date Inspected 11/26/22, 3:14 PM
Outlet Name
Location
Pipe Condition Very Poor
Erosion Condition 1 - Severe Erosion (>5ft)
Depth of Erosion (ft) 7-8 ft
VI - Color Clear
VI - Odor No
VI - Clarity Clear
VI - Floating Solids? No
High Priority
$50,000
ANNIE LN
PINECREST DR
W MULLER RD
E MULLER RD

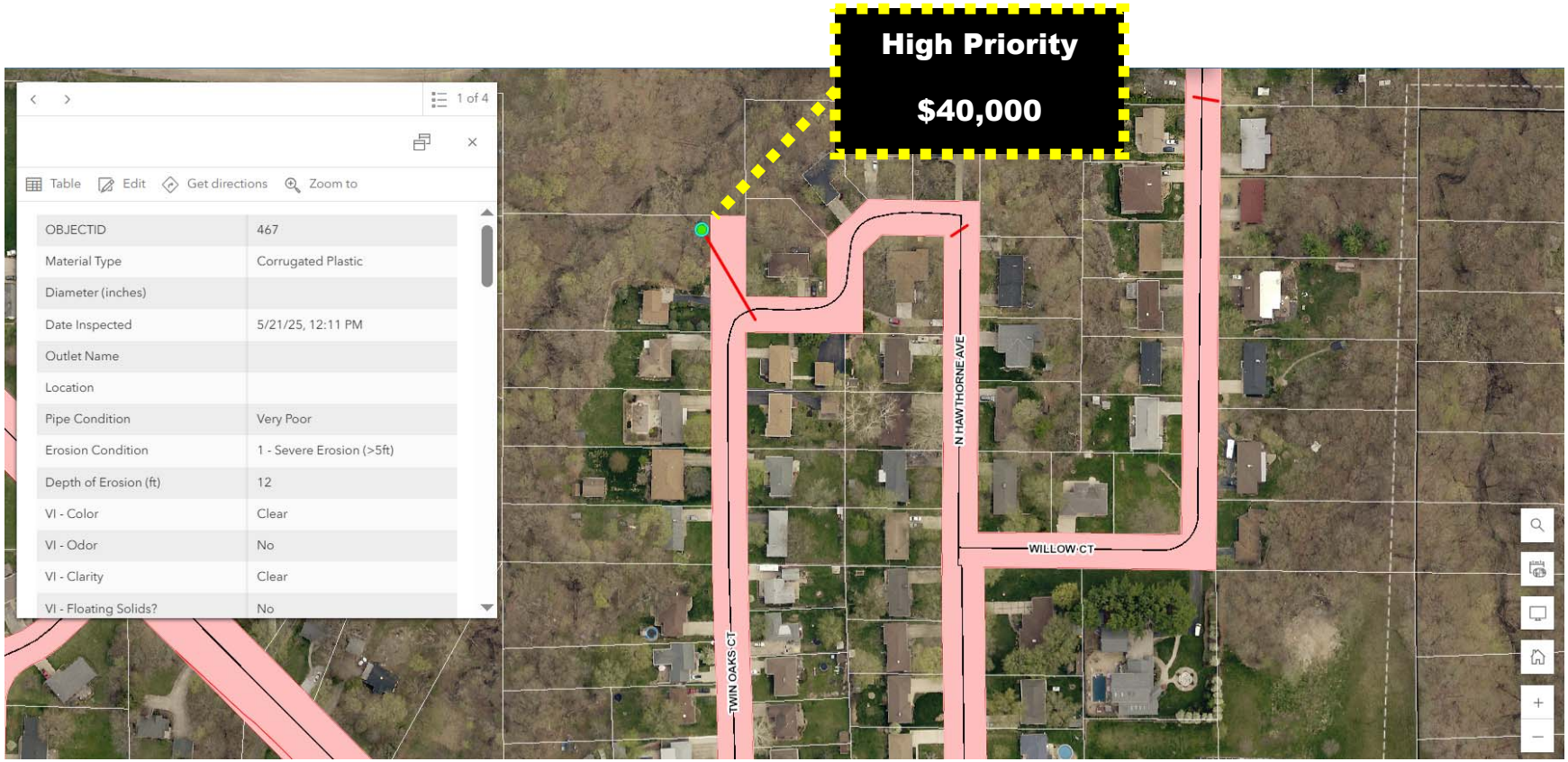

1 of 4
Table
Edit
Get directions
Zoom to
OBJECTID 181
Material Type Corrugated Plastic
Diameter (inches) 15
Date Inspected 11/5/22, 10:44 AM
Outlet Name
Location
Pipe Condition Good
Erosion Condition 1 - Severe Erosion (>5ft)
Depth of Erosion (ft) 6 ft
VI - Color Clear
VI - Odor No
VI - Clarity Clear
VI - Floating Solids? No
FRASER ST
HIGHVIEW RD
RIDGE LN
FONDULAC DR
FONDULAC PL
ARNOLD RD
High Priority
$60,000


1 of 4
Table
Edit
Get directions
Zoom to
OBJECTID 292
Material Type Corrugated Metal
Diameter (inches) 12
Date Inspected 11/23/22, 3:46 PM
Outlet Name
Location
Pipe Condition Fair
Erosion Condition 1 - Severe Erosion (>5ft)
Depth of Erosion (ft) 6 ft
VI - Color Clear
VI - Odor No
VI - Clarity Clear
VI - Floating Solids? No
High Priority
$65,000
LINCOLN PKWY
WHEELER CT


1 of 4
Table
Edit
Get directions
Zoom to
OBJECTID 306
Material Type Corrugated Plastic
Diameter (inches) 15
Date Inspected 11/26/22, 12:21 PM
Outlet Name
Location
Pipe Condition Very Poor
Erosion Condition 1 - Severe Erosion (>5ft)
Depth of Erosion (ft) 5-6 ft
VI - Color Clear
VI - Odor No
VI - Clarity Clear
VI - Floating Solids? No
High Priority
$50,000
SEASON DR
CH 1 SPRINGFIELD RD
PEBBLE CT
COBBLESTONE LN
TADMOR DR
DUEVER LN


1 of 4
Table
Edit
Get directions
Zoom to
OBJECTID 277
Material Type Corrugated Metal
Diameter (inches) 15
Date Inspected 11/23/22, 12:50 PM
Outlet Name
Location
Pipe Condition Poor
Erosion Condition 1 - Severe Erosion (>5ft)
Depth of Erosion (ft) 3 ft
VI - Color Clear
VI - Odor No
VI - Clarity Clear
VI - Floating Solids? No
High Priority
$55,000
BRIAR CT
GLENRIDGE DR
CONCORD AVE
BARBERRY LN
LEWOOD LN
BRIARBROOK DR
MOUSHON DR


1 of 5
Table
Edit
Get directions
Zoom to
OBJECTID 169
Material Type Corrugated Metal
Diameter (inches) 21
Date Inspected 11/4/22, 5:20 PM
Outlet Name
Location
Pipe Condition Very Good
Erosion Condition 1 - Severe Erosion (>5ft)
Depth of Erosion (ft) 15 ft
VI - Color Clear
VI - Odor No
VI - Clarity Clear
VI - Floating Solids? No
High Priority
$40,000
IRON BARK CT
DOGWOOD CT
WILMAR TER
MT AIRE DR
WALNUT CT
HONEY LOCUST AVE
CASTLE LN
WOODLAND HILLS DR
PECAN CT


High Priority
$40,000
1 of 4
Table
Edit
Get directions
Zoom to
OBJECTID 467
Material Type Corrugated Plastic
Diameter (inches)
Date Inspected 5/21/25, 12:11 PM
Outlet Name
Location
Pipe Condition Very Poor
Erosion Condition 1 - Severe Erosion (>5ft)
Depth of Erosion (ft) 12
VI - Color Clear
VI - Odor No
VI - Clarity Clear
VI - Floating Solids? No
N HAWTHORNE AVE
WILLOW CT
TWIN OAKS CT