

# BIANNUAL SITE INSPECTION REPORT

## M & M LANDFILL, INC.

Prepared for:

Indiana Department of Environmental Management  
(IDEM)

**FALL 2020 REPORT**  
**COMPLETED January 8, 2021**

Prepared by: Abigail King

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Facility Name:	M&M Landfill, Inc.
Facility Location:	Northwest corner of the intersection of Parrott and Landin Road in New Haven, Indiana
Facility County:	Allen
Facility Solid Waste	
Permit No.:	SW Program ID FP#02-10
Total Fill Acreage:	11 acres

## **METHODOLOGY**

The biannual site inspection of 11-acre M&M Landfill site was completed on September 6, September 10, and December 20. The inspection was performed utilizing a routine pedestrian visual survey process.

Photographs of existing site conditions are included on pages 19-23.

## **SUMMARY**

General visual inspections indicated that the site is vegetatively stabilized with little or no soil erosion evident. Chemically treated patches on the hill will be reseeded Spring 2021. The site entrance remains physically secured and inaccessible to vehicular traffic. No evidence of unauthorized access or use evident.

## **CONCLUSIONS and RECOMMENDATIONS**

The project site appears to be intact and stable with no disturbance to the soil surface evident. The re-sprouting of woody vegetation on the west and north side should be continued to be cut and mowed and chemical spot treatment to minimize risk of penetration and possible negative to the integrity of the clay cap. Next inspection and report due to occur the spring of 2021. All groundwater monitoring wells have been abandoned.

## **Post-closure requirements of 329 IAC 10-38-2, as listed below**

All sections of land are in compliance. The contours maintain in-tact with at least a 24" clay cover with topsoil and mowed vegetation. The structural integrity of the hill appears sound. No leachate or pooling has appeared and vegetation will continue to be controlled to be able to assess the slope and the appearance of leachate. The front gate remains locked and inaccessible without a key.

- Maintenance of the minimum thickness of final cover and vegetation;
- Maintenance of the final contours;
- Control of any leachate outbreaks;
- Control of any vegetation necessary to enable determination of need for slope and leachate outbreaks;
- Maintenance of access control and benchmark;

Geology recommend that the facility include in this Fall Report, information on the facility's plans to abandon the potential groundwater monitoring wells, as recommended in IDEM letter dated November 5, 2020 (VFC # 83067095). All potential groundwater monitoring wells have been abandoned and will not be used in the future. No groundwater monitoring has been required nor appears necessary due to integrity and contents of the hill. Future groundwater/soil sample boring holes would be new.

### **Focus for the landfill in 2021**

- 1) Biannual Report submitted to IDEM from Save Maumee, not Earth Source.
- 2) Mow once in Spring and once in Fall.
- 3) Monthly inspection walk to assess control measures and benchmark.
- 4) Continue to remove shrub growth along the north & west sides of hill and continue removal of invasive species growth throughout all 58 acres.
- 5) Reseed grass where we had chemically applied herbicide to small patches.
- 6) Keep animal burrows from establishing in the landfill mound.

## 2020 FALL TIMELINE

August 24: submitted Summer Bi-Annual Inspection Reports, Earth Source.

August:

Farm stand erected 15 feet south of Rose Ave.

Installed a well 20 feet south of Rose Ave.

Chemically treated invasive species with broadcast spray on landfill.

September 1: submitted Save Maumee IDEM Update; includes groundwater sampling data

September 15: IDEM In-person meeting at location, M&M Landfill site visit/walk with Kira Wren, Scott Beard, Said Asgari and Matthew Simpson

October 18: completed planting 550 native DNR approved trees along riparian area of land (outside of the scope of landfill)

October 14: removed shrubs and honeysuckle on north side of landfill per request from IDEM.

October 20: mowed all of hill, removed more shrubs growing on north side and the west side of hill per request, reseeded grass where we had chemically applied herbicide to small patches of invasive species.

October 22 - Invasive removal at toe of west side of landfill ailanthus altissima (*tree of heaven*)

December 18: Earth Source submitted Fall inspection report.

December 21: Property ownership change - M & M Landfill, Inc. an Indiana corporation, (Gerald E. Martin) sold 8 sections of property, associated-with-and-adjacent-to landfill, to Save Maumee Grassroots Organization, Inc., an Indiana 501C3 nonprofit.

## **2021 Outside Scope of Landfill Post Closure Requirements:**

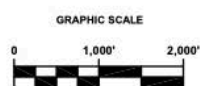
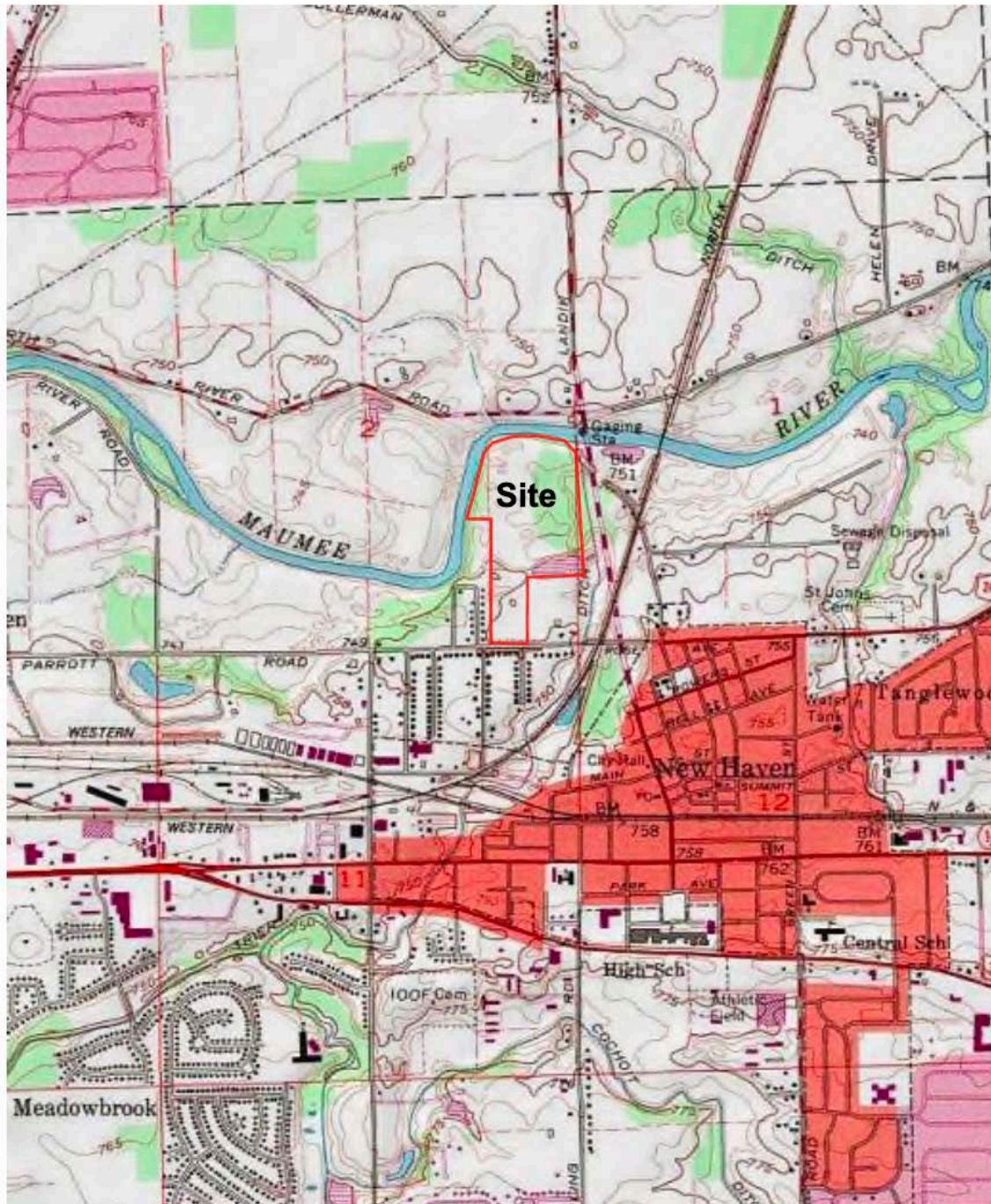
- 1) We installed 550 trees, outside of the scope of the landfill hill itself, along the riparian area reviewed at IDEM site visit on Sept. 15, 2020.
- 2) Solar panels and barn structure on the area next to the lane 20' from Rose outside of the scope of the landfill. We are currently working on approval of city and county ordinances for installation.
- 3) Continue to remove invasive species throughout the entire 58 acres.
- 4) Continue to plant native species of shrubs, trees and seed where invasive species were removed.
- 5) Begin seeking information for feasibility study for naturalization of Trier Ditch, which is adjacent (within 800ft) to landfill mound.

# INSPECTION GRAPHICS MAPS

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\*Graphics Maps (pages 7-16) were generated in the Phase I Report, from ARCADIS in January 2020.

## SITE PHOTOGRAPHS 19-23



## Site Location Map

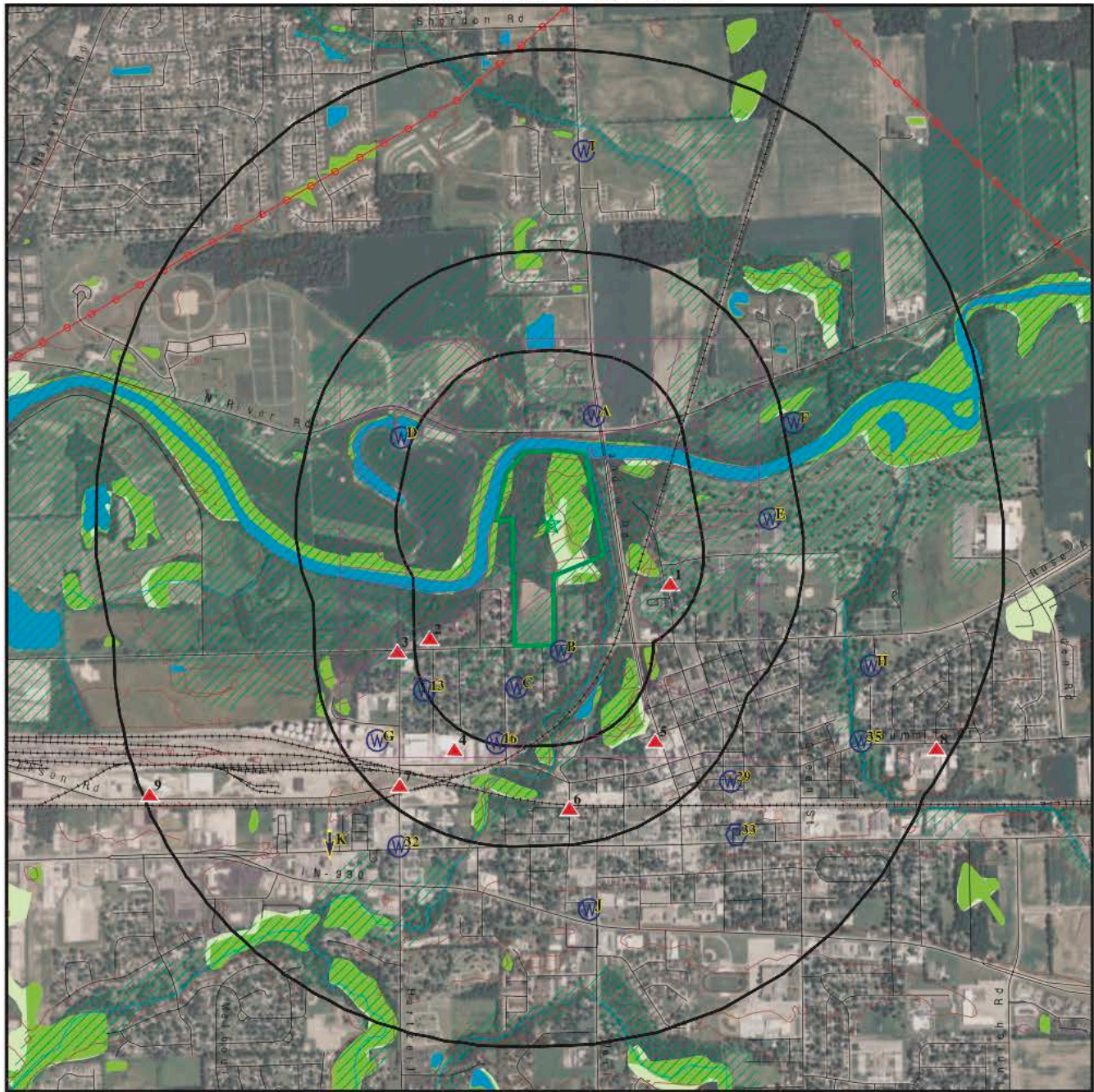
M & M Landfill  
Rose Avenue  
New Haven, Indiana



Figure 1



# OVERVIEW MAP - 5844029.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

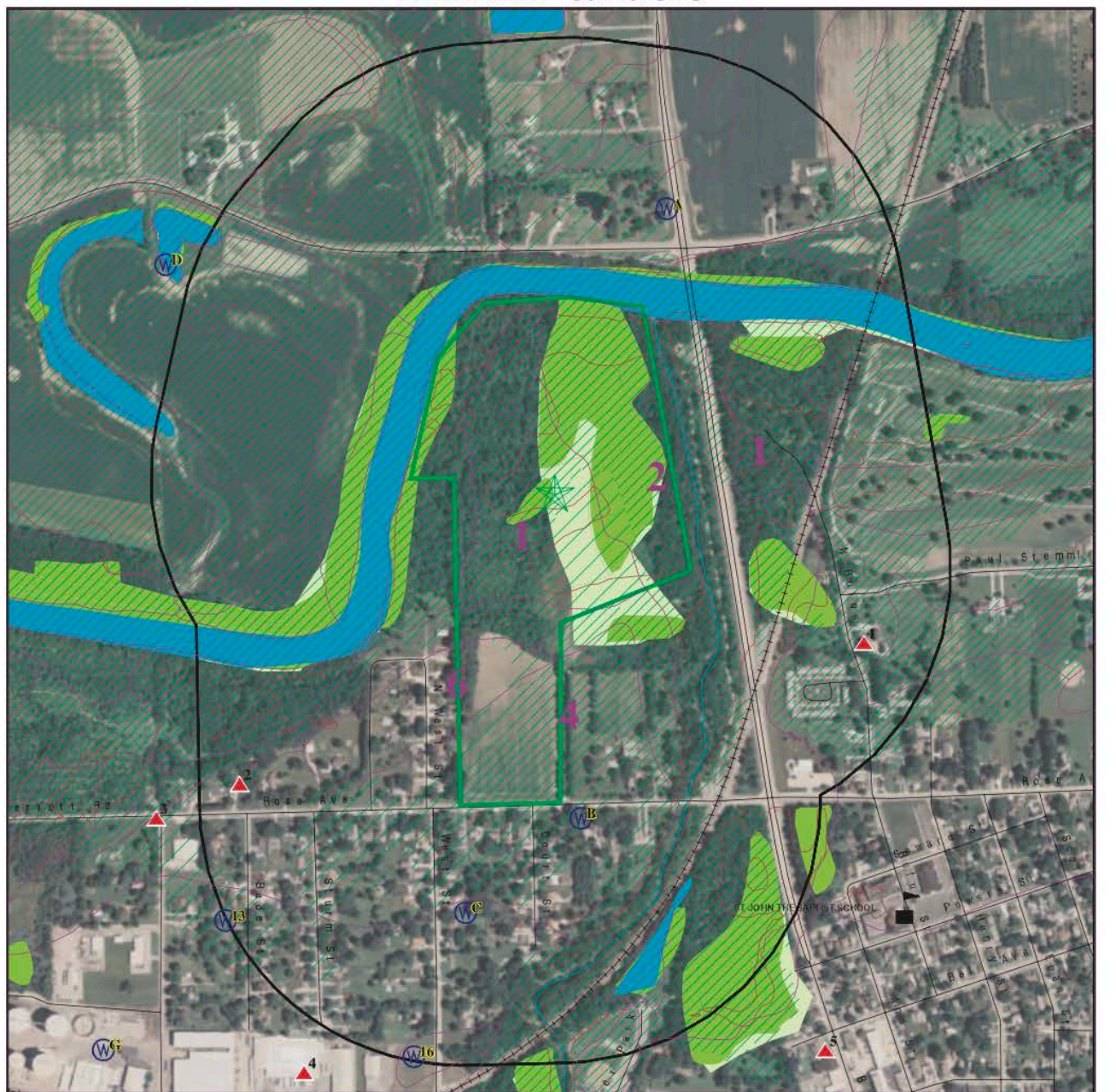
SITE NAME: M&M Landfill  
 ADDRESS: Rose Avenue  
 New Haven IN 46774  
 LAT/LONG: 41.081777 / 85.022971

CLIENT: ARCADIS U.S., Inc.  
 CONTACT: Daniel Petzold  
 INQUIRY #: 5844029.2s  
 DATE: October 25, 2019 10:45 am

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# DETAIL MAP - 5844029.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands

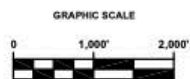
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 DATE: October 25, 2019 10:46 am

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## Site Vicinity Map

M & M Landfill  
 Rose Avenue  
 New Haven, Indiana







INQUIRY #: 5844029.11

YEAR: 2016

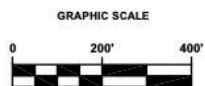






Source: USDA Web Soil Survey

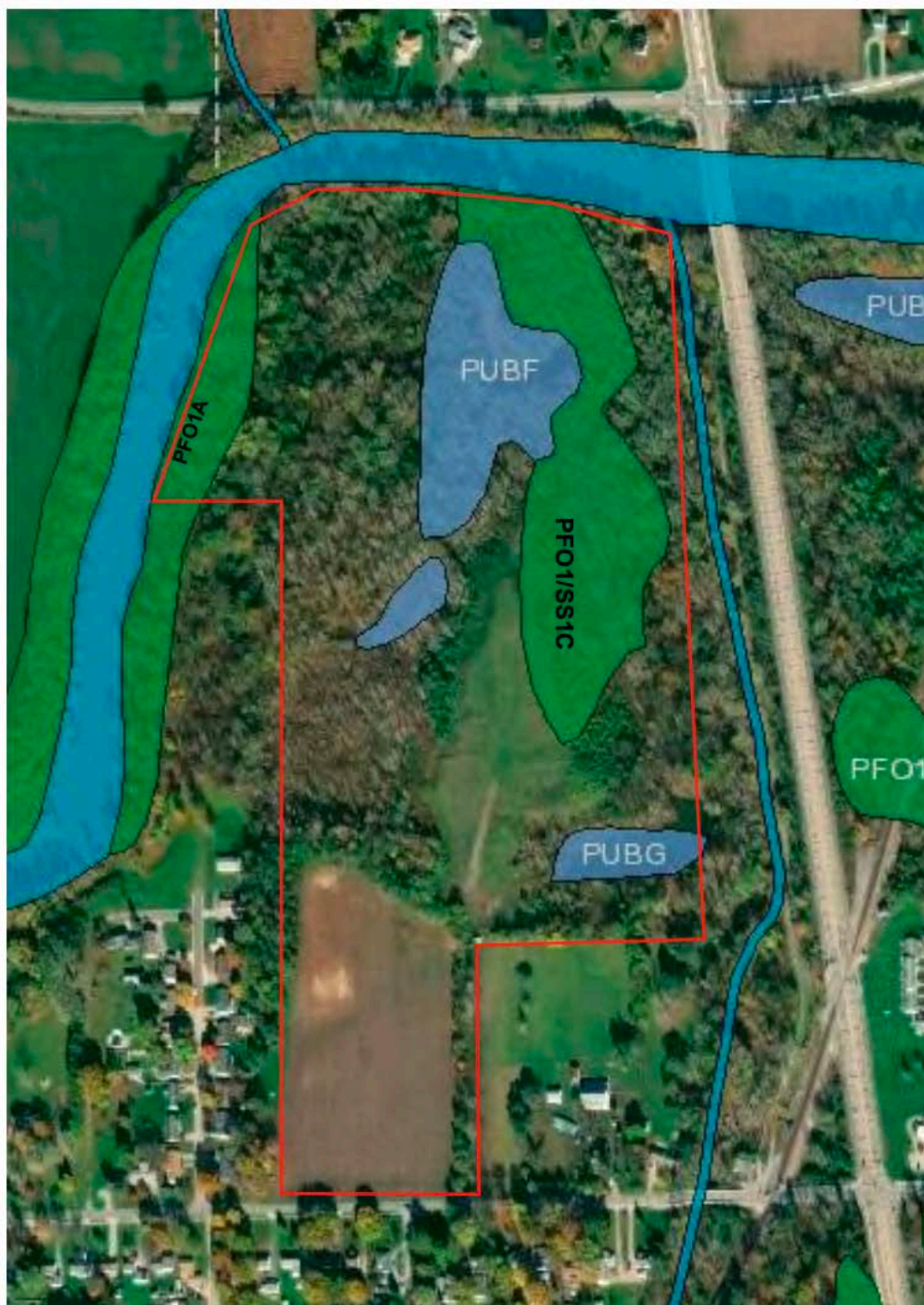
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ChB	Chelsea fine sand, 2 to 6 percent slopes	2.4	3.9%
ChC	Chelsea fine sand, 6 to 12 percent slopes	5.3	8.8%
Es	Eel silt loam	24.6	40.6%
Gh	Genesee silt loam	18.1	29.9%
OfA	Oshtemo fine sandy loam, loamy substratum, 0 to 2 percent slopes	8.8	14.5%
W	Water	1.3	2.2%



**Soil Map**  
**M & M Landfill**  
**Rose Avenue**  
**New Haven, Indiana**







Source: US Fish & Wildlife Service Wetlands Mapper



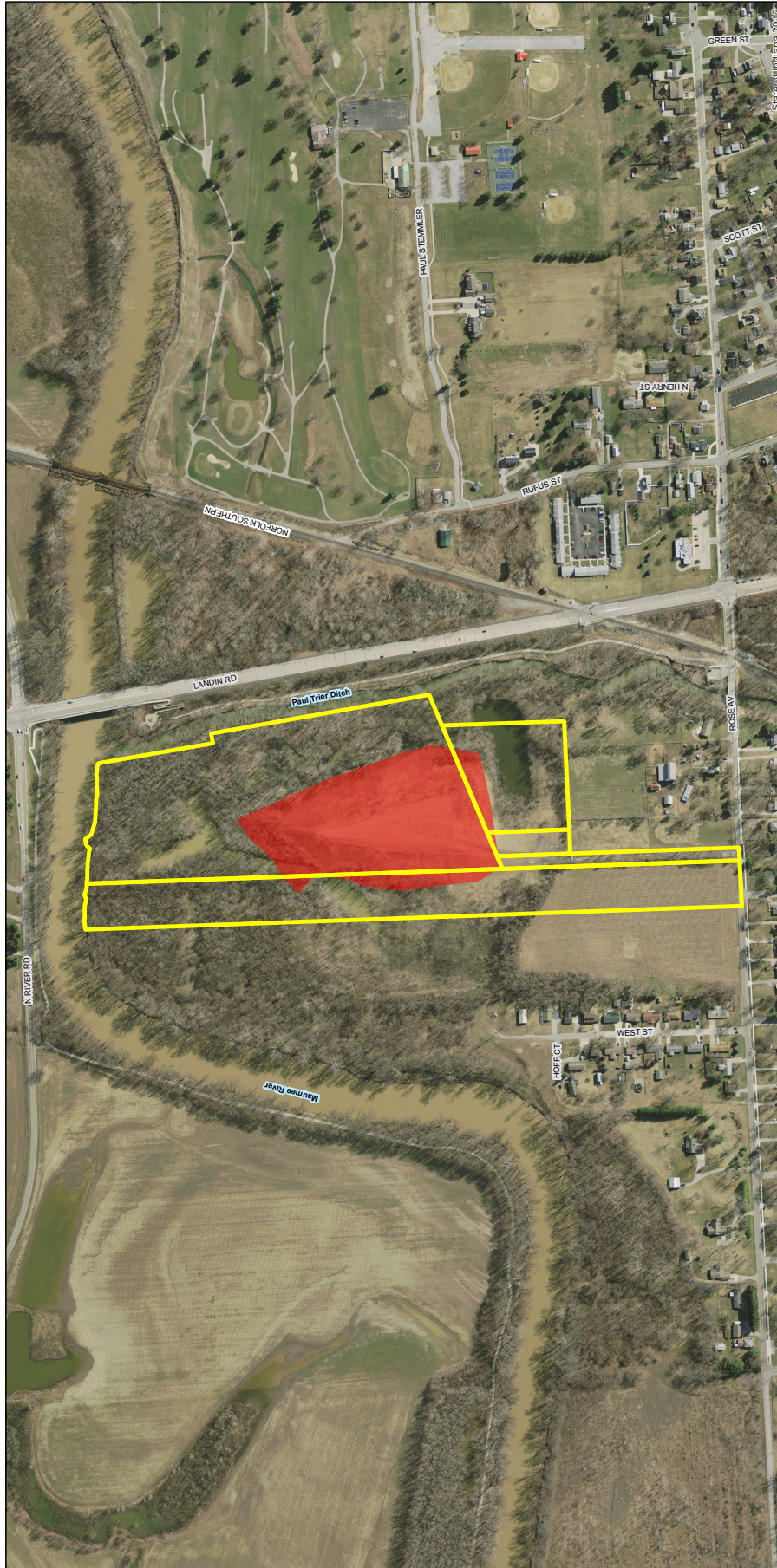
## Wetlands Map

M & M Landfill  
Rose Avenue  
New Haven, Indiana





# IDEM SW # 02-10 - Deed Notation & Estimated Waste Boundary (M & M Landfill)



**Parcel IDs:**

0213-02-456-002.000-041  
 0213-02-456-002.000-042  
 0213-02-456-014.000-041  
 0213-02-456-014.000-042  
 0213-02-456-014.000-043  
 0213-02-456-014.000-044  
 Adams Township  
 Allen County, Indiana

**PLSS Info:**

Section 10, T34N, R3E  
 Adams Township  
 Allen County, Indiana

**Maped By:**

Deed Notation:  
 Paul Trier Ditch  
 "Attainable of the Proposed Closure"  
 December 15, 2015

**Source:**

Estimated Waste Boundary polygon based on  
 IDEM Virtual File Cabinet (VFC) document # 30700215  
 IDEM Virtual File Cabinet (VFC) document # 30700215  
 Estimated Waste Boundary polygon based on  
 2012 Statewide Orthophotography Program

**Disclaimer:**

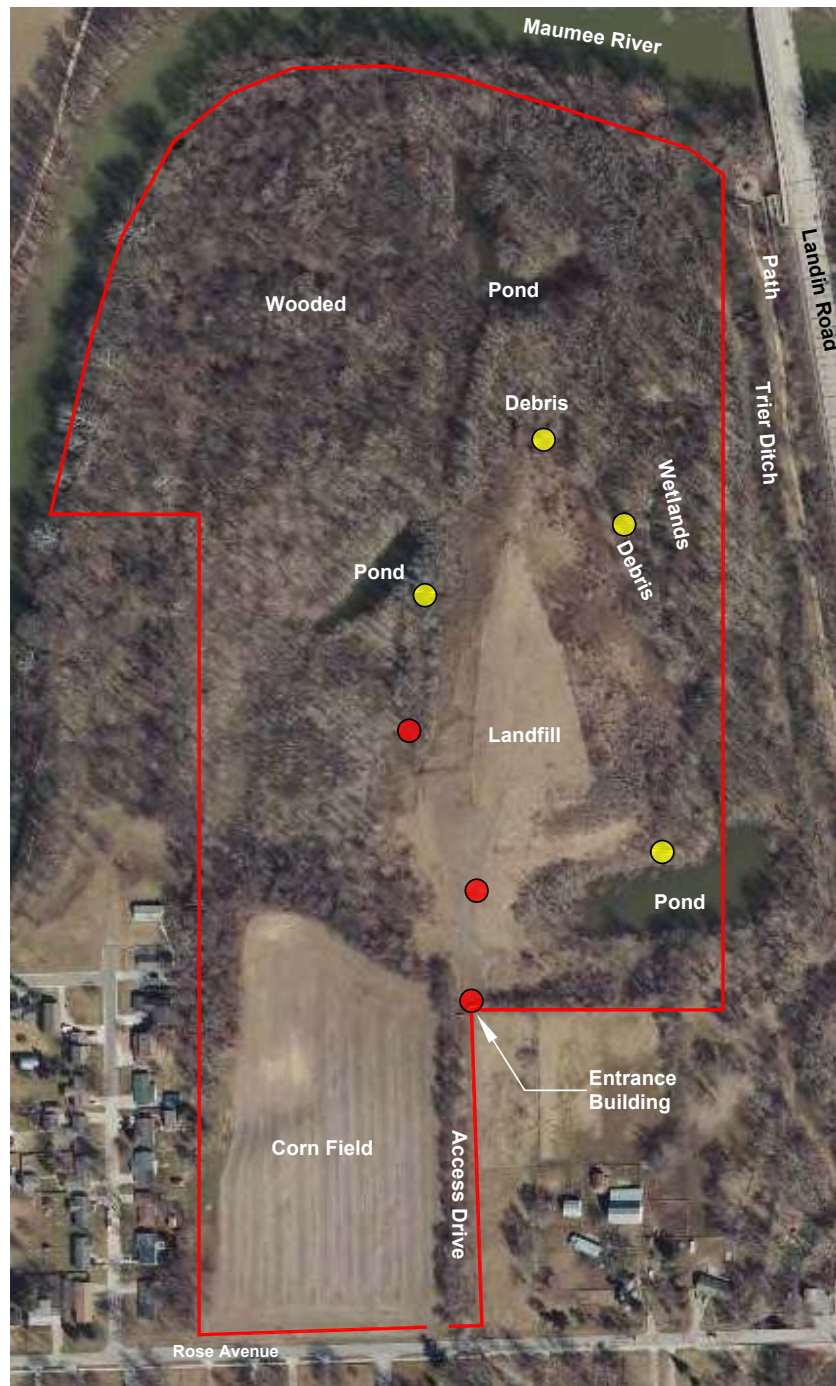
This map is intended to serve as an aid in graphic representation only.  
 This information is not warranted for accuracy or other purposes.

**Legend:**

Deed Notation  
 Estimated Waste Boundary

0 500 1000 Feet  
 0 150 300 Meters





- Drilled Soil Boring
- Hand Augered Soil Boring



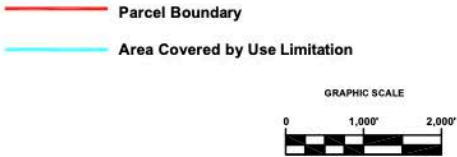
**Site Map**  
**M & M Landfill**  
**Rose Avenue**  
**New Haven, Indiana**



# USE LIMITATION PARCEL BOUNDARIES



Numbers are State Parcel Numbers

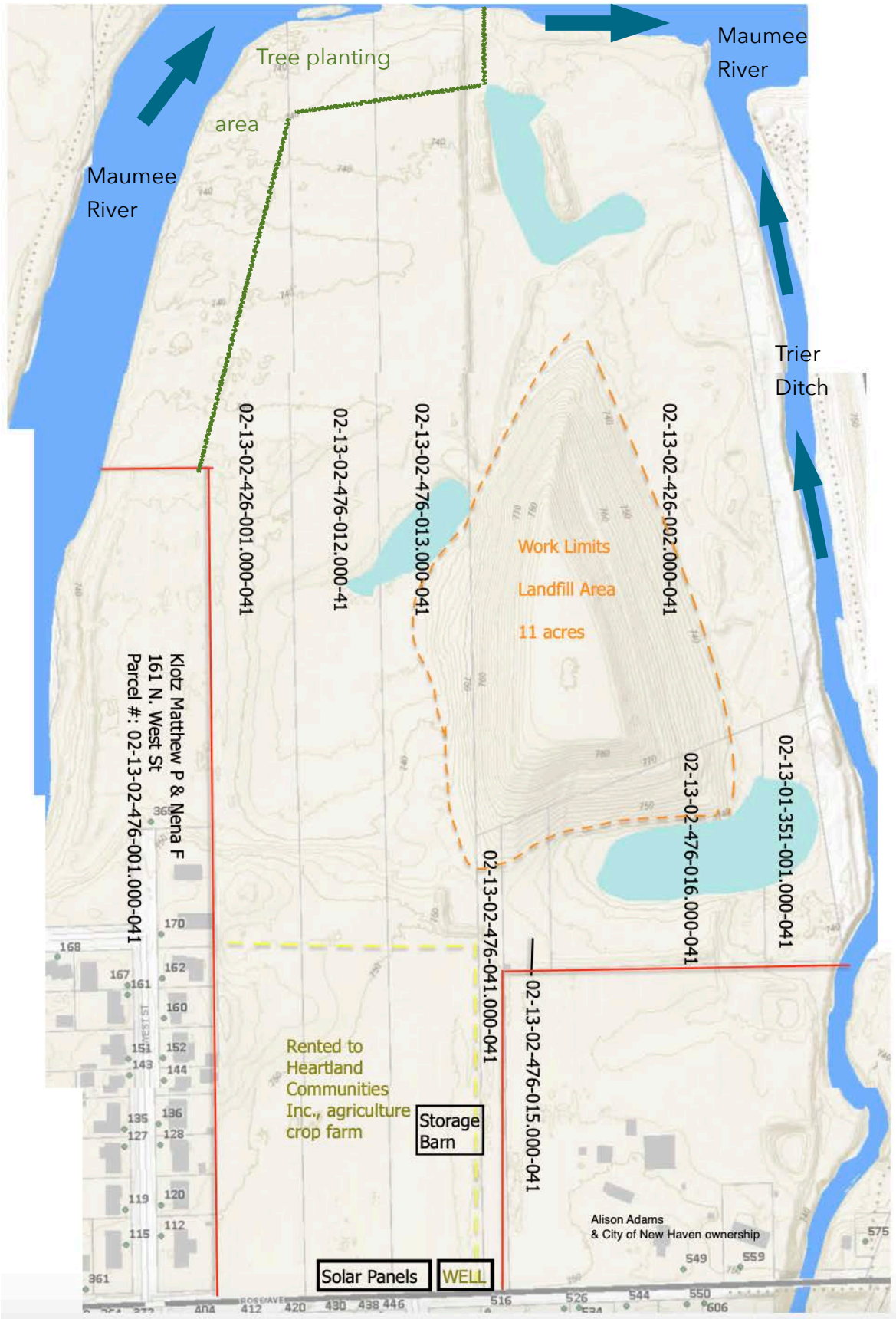


**Parcel Map**  
**M & M Landfill**  
**Rose Avenue**  
**New Haven, Indiana**

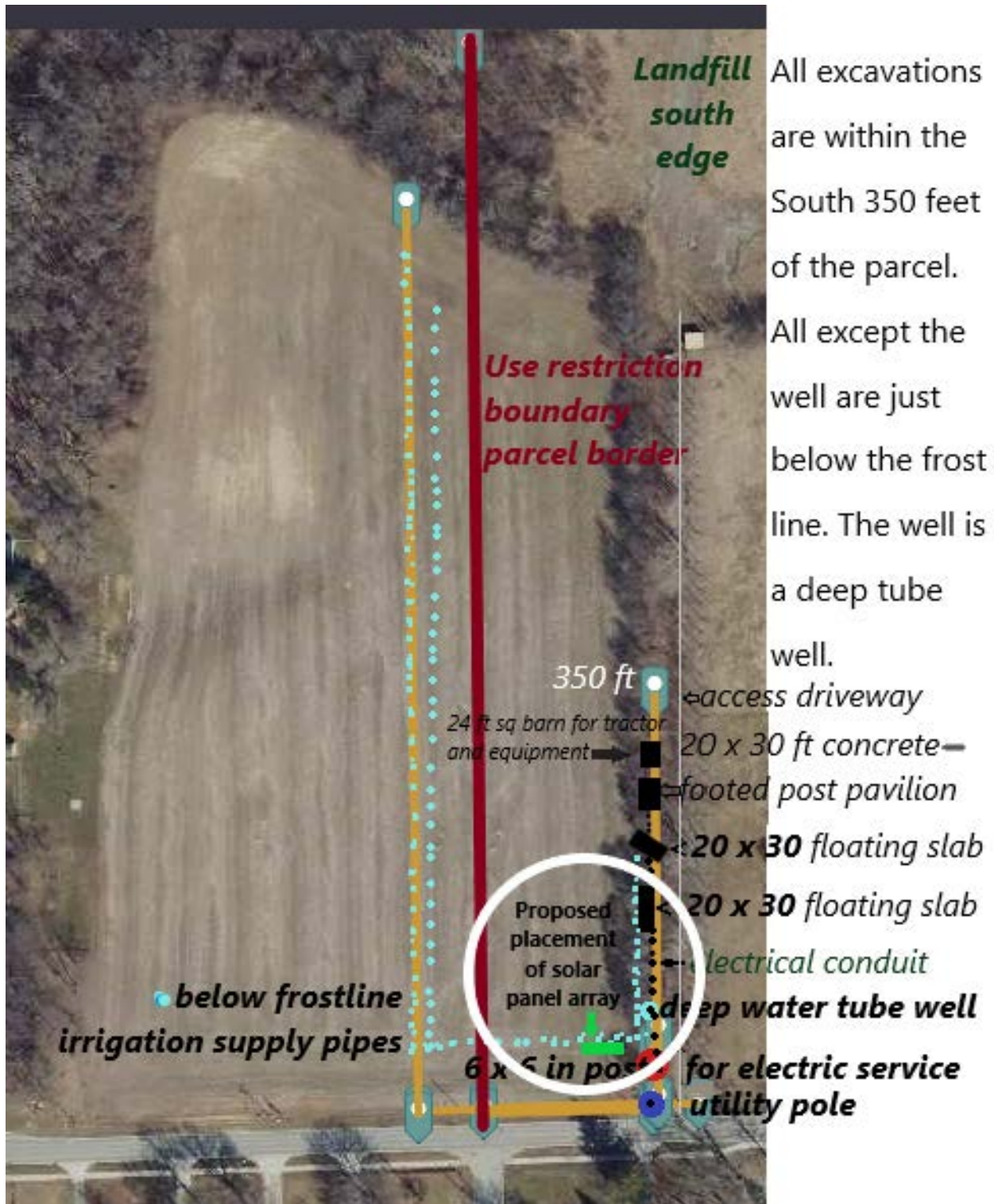




# PARCELS WITH WORK SITE DETAILS



**Agriculture site area details** with the locations of the farm stand, pavilion, packing shed, electric service post, and irrigation. Address for the site is 501 Rose Ave. New Haven, IN, 46774 (but has been labeled 435 Rose Ave in the past).





# SITE INSPECTION PHOTOGRAPHS



1. View of South face and site entrance.  
Date of photo: December 20, 2020



2. View of landfill top.  
Date of photo: December 20, 2020



## SITE INSPECTION PHOTOGRAPHS



3. Mowing of East side of hill. View of northeast face of landfill.  
Date of photo: October 20, 2020



4. View of northeast face of landfill.  
Date of photo: December 20, 2020



## SITE INSPECTION PHOTOGRAPHS



5. View of north face of landfill.

Date of photo: December 20, 2020



6. View of southwest face of landfill.

Date of photo: December 20, 2020



## SITE INSPECTION PHOTOGRAPHS



7. View of southwest face of landfill

Date of photo: December 20, 2020



8. View of southeast face of landfill

Date of photo: December 20, 2020

Save Maumee Grassroots Organization Inc.  
Help us to speak for our Rivers...for our Rivers have no voice



This bi-annual (FALL 2020) report was completed January 8, 2021 because we were waiting to include the real estate closing date. The donation of this 58 acre property occurred on December 21, 2020, where Save Maumee Grassroots Organization, Inc. took legal possession from Gerald Martin, M&M Landfill President.

Graphics Maps (pages 7-16) were generated in the *Arcadis Design and Consulting* Phase I Report, from January 2020.

Thank you for your time and considerations. We look forward to working with you in the future.

Written to the best of my knowledge and submitted by,

A handwritten signature in black ink, appearing to read "Abigail King". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Abigail King

Save Maumee Grassroots Organization Founder  
Save Maumee Riparian Buffer Initiative Manager