

MANDO DRAINAGE IMPROVEMENT PETITION

UPDATE MEETING
OHIO REVISED CODE 6131 & 6137
JUNE 4, 2025



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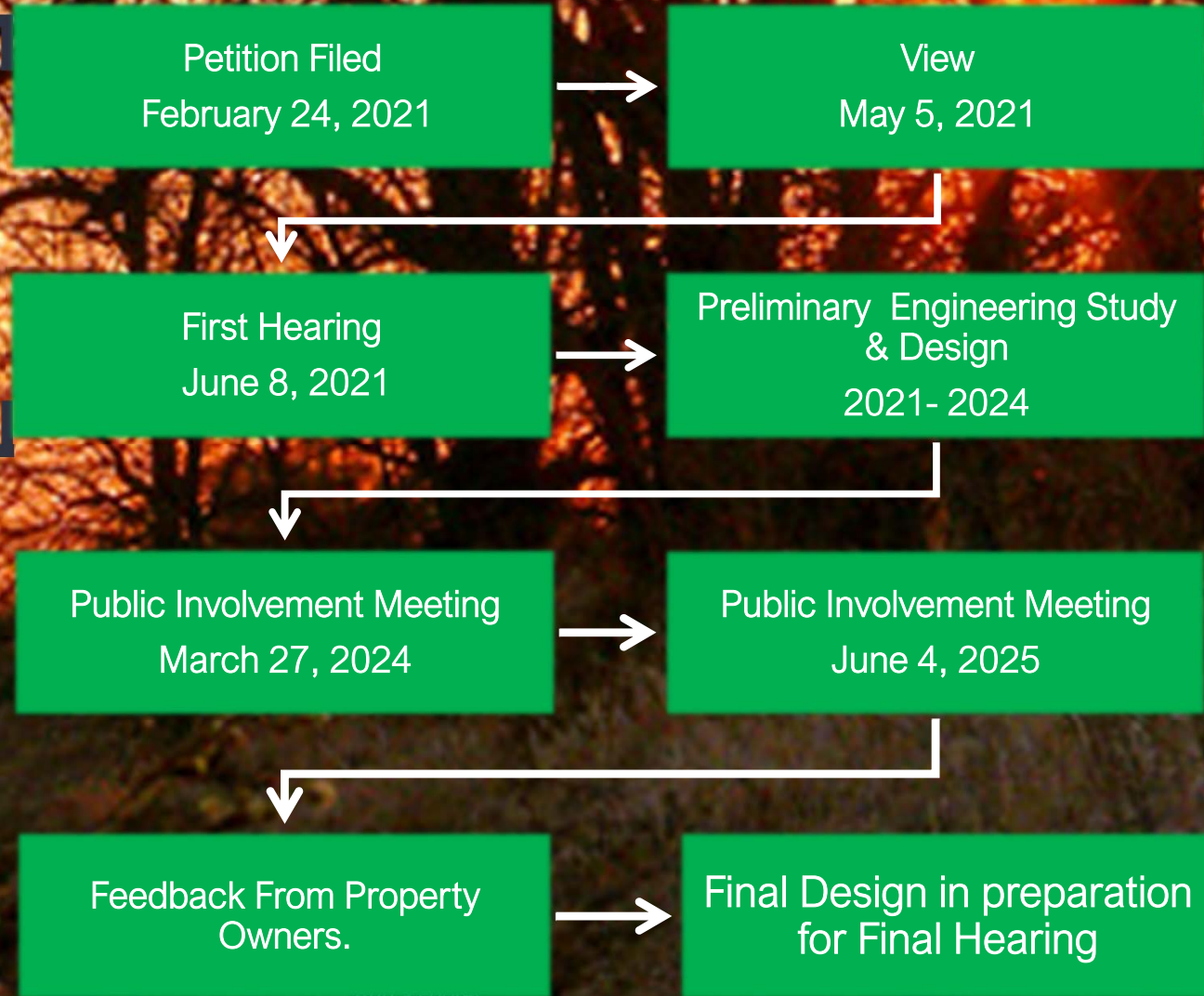
THANK YOU FOR ATTENDING!
WE WILL GET STARTED AT 7:00 P.M.

- We will give a brief presentation on the project and its status.
- There will be a Q & A session at the end of the presentation.

Introductions



MANDO DITCH SCHEDULE



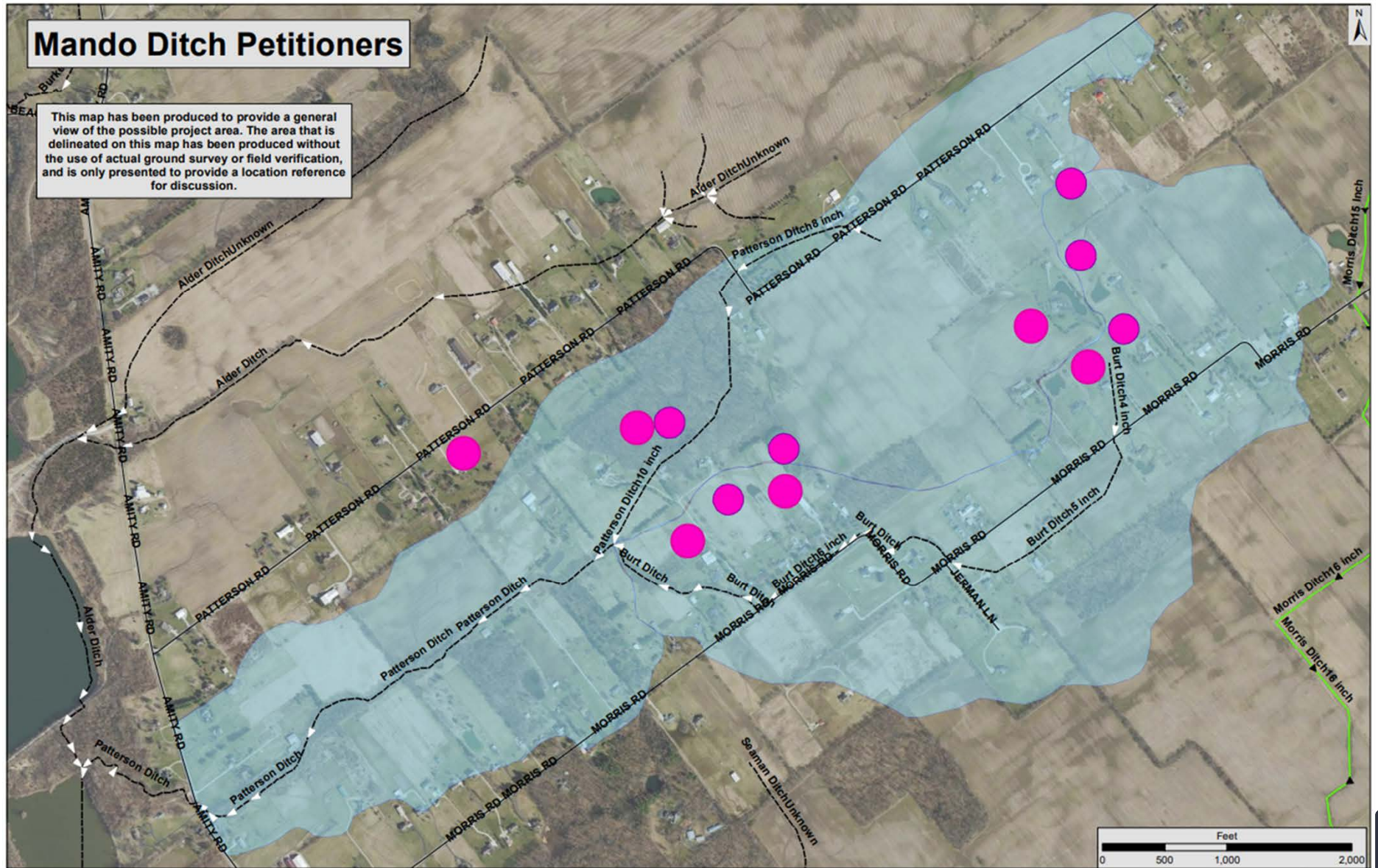
Project Background

- The Mando Drainage Improvement Petition was signed by Frank Mando on February 13, 2021.
 - Total, the petition has signatures from owners of 12 properties
- The work petitioned for includes “to clean, construct, install tile, relocate and alter the drainage system as necessary to provide proper and sufficient drainage and extending such work downstream as necessary to provide a proper outlet.”



Mando Ditch Petitioners

This map has been produced to provide a general view of the possible project area. The area that is delineated on this map has been produced without the use of actual ground survey or field verification, and is only presented to provide a location reference for discussion.



Existing Conditions

- After draining through Prairie Oaks Metro Park, the Mando Ditch watershed ultimately drains to Big Darby Creek, a national scenic river.
- The project area is best described as rural agricultural and rural residential consisting of soils that are poorly drained with flat topography.
- The land use consists of crop farming, small residential farms, and large-lot, single-family homes.
- To our knowledge, all homes obtain water from onsite wells and treat wastewater with household sewage treatment systems (HSTs).
- The areas with poor drainage and ponding are not directly tied to a common cause, but rather due to locally entrapped drainage due to the former agricultural use of the area, deteriorating tile system, and disruptions from residential development.



Images Submitted From Property Owners



Images Submitted From Property Owners



Scroll for details
▼

Images Submitted From Property Owners



Images Submitted From Property Owners



Images Submitted From Property Owners



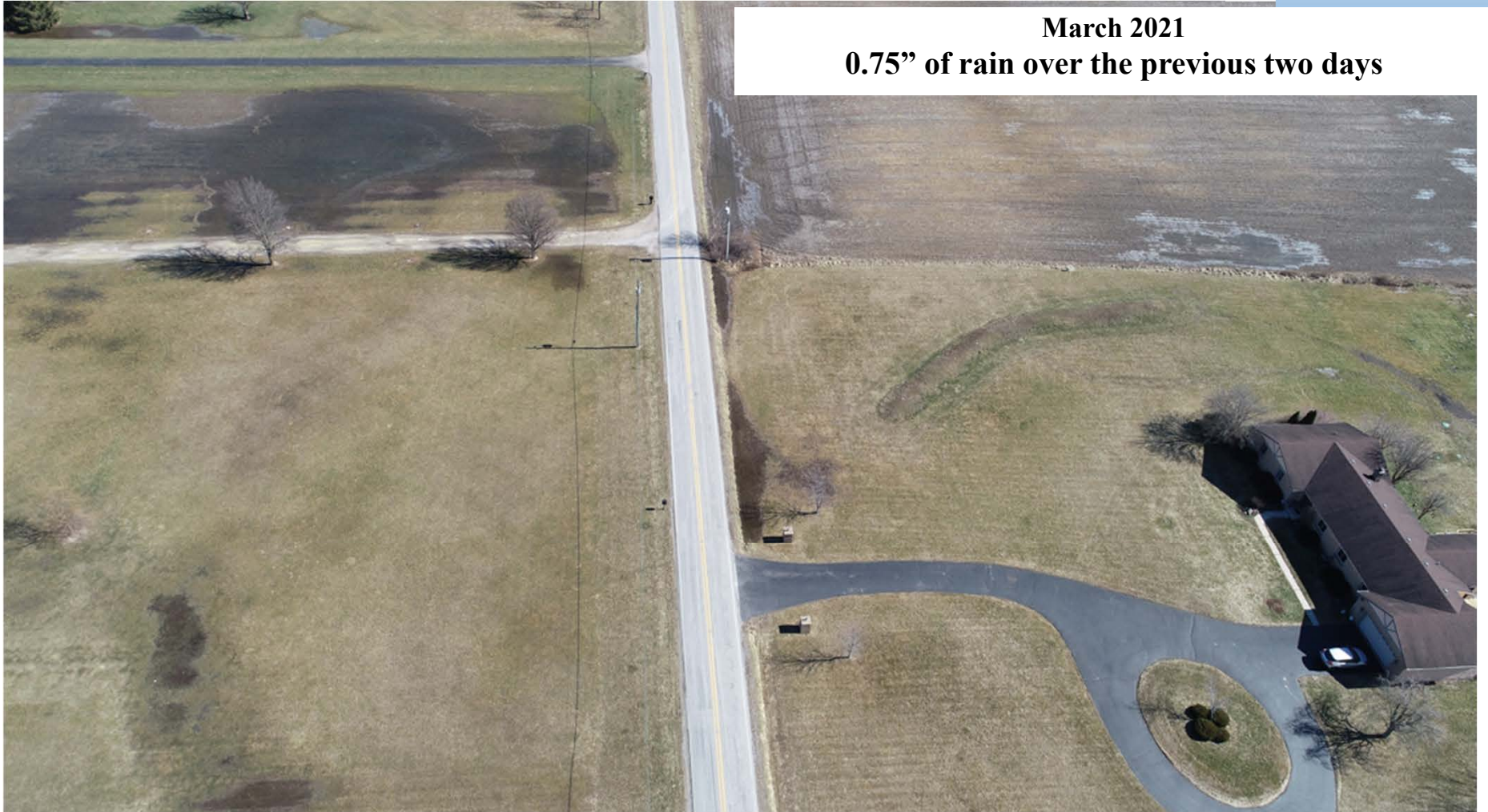
Images Submitted From Property Owners



March 2, 2021
0.75" of rain over the previous two days



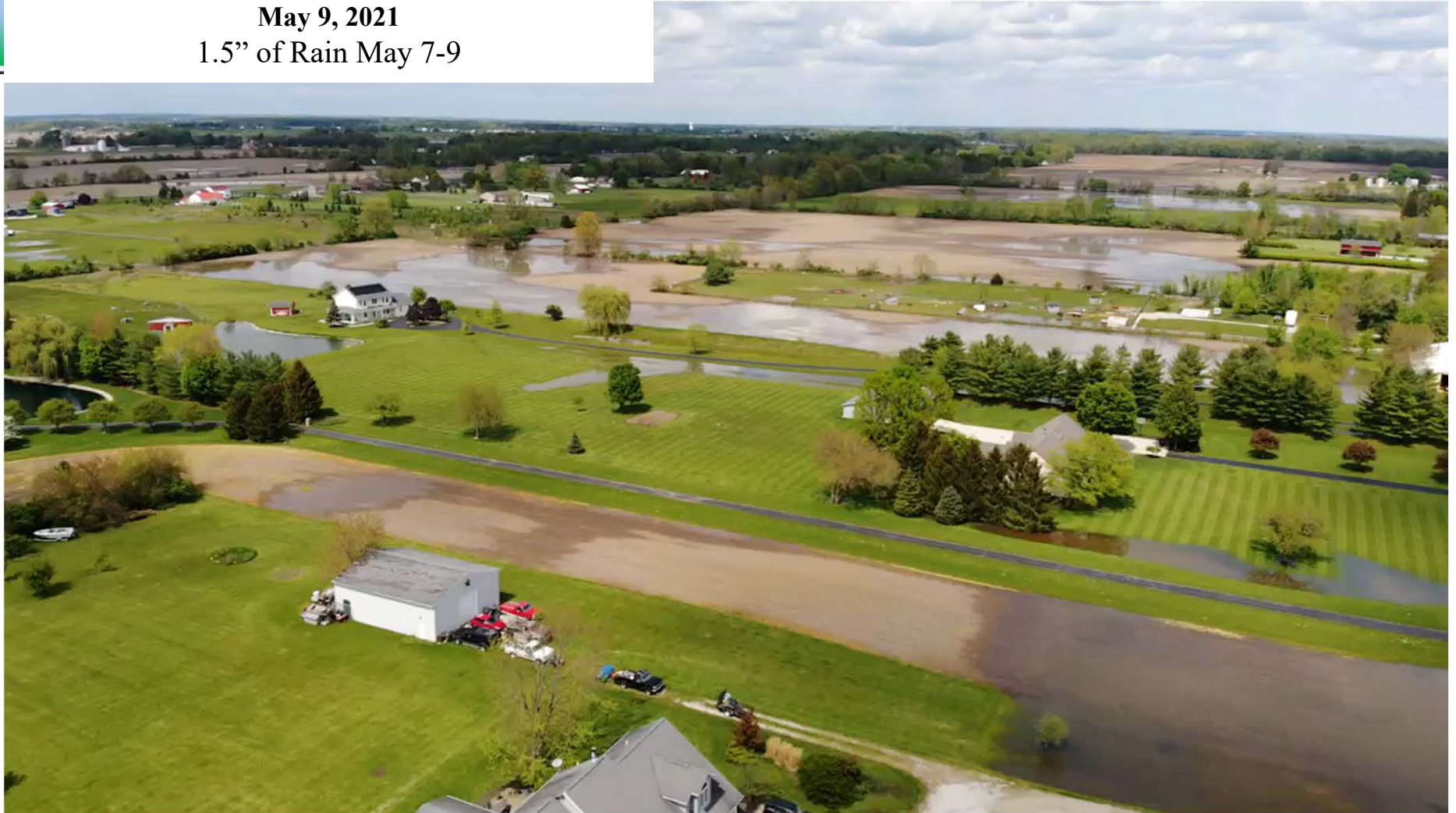
March 2021
0.75" of rain over the previous two days



May 9, 2021
1.5" of Rain May 7-9



May 9, 2021
1.5" of Rain May 7-9



Add a Footer



April 2, 2024
2.7" of Rain March 31-April 2



April 2, 2024
2.7" of Rain March 31-April 2

April 8, 2025
4.2" of Rain April 3-7



Add a Footer

April 8, 2025
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Add a Footer

April 8, 2025
4.2" of Rain April 3-7

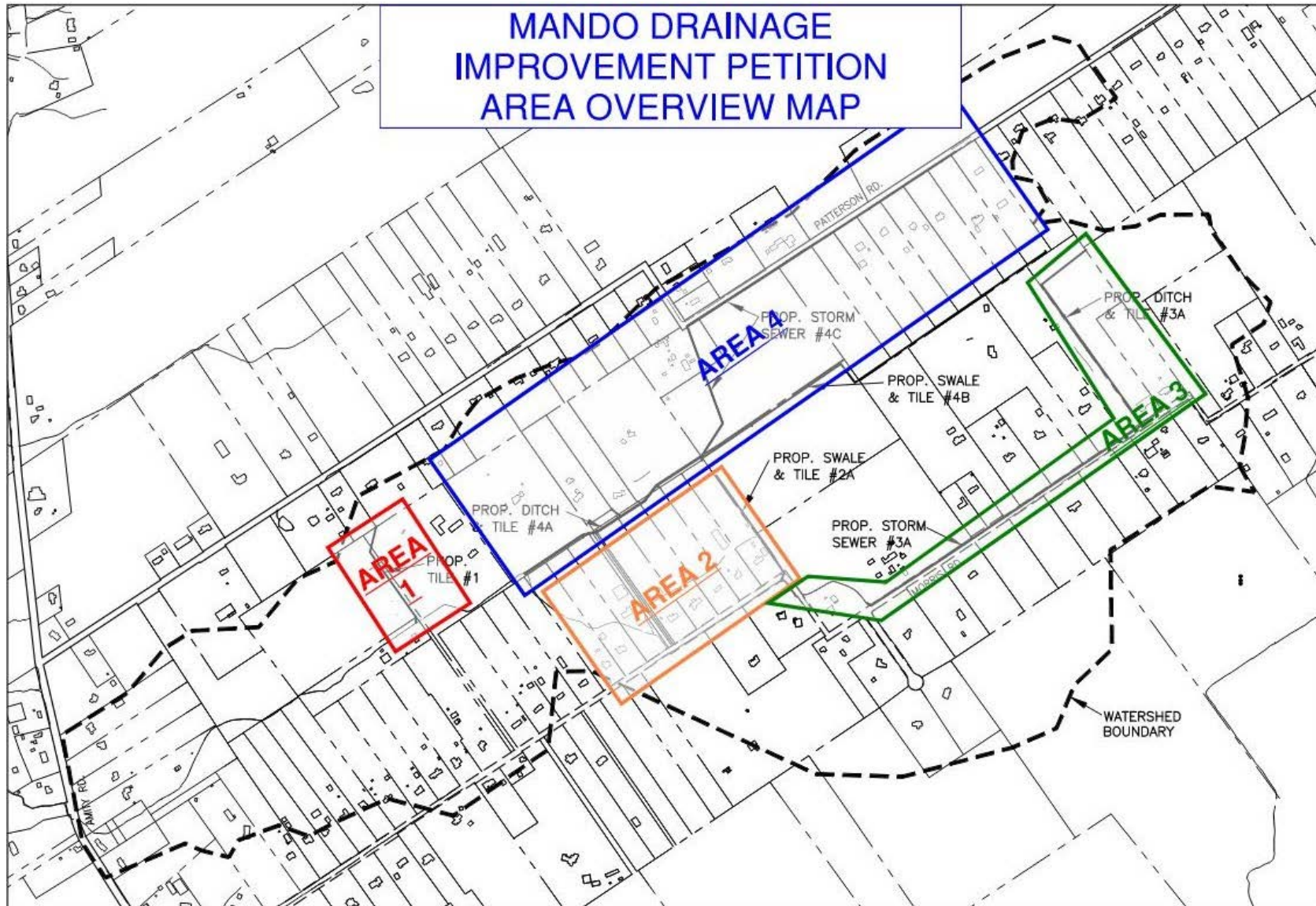


April 8, 2025
4.2" of Rain April 3-7



Add a Footer

MANDO DRAINAGE IMPROVEMENT PETITION AREA OVERVIEW MAP

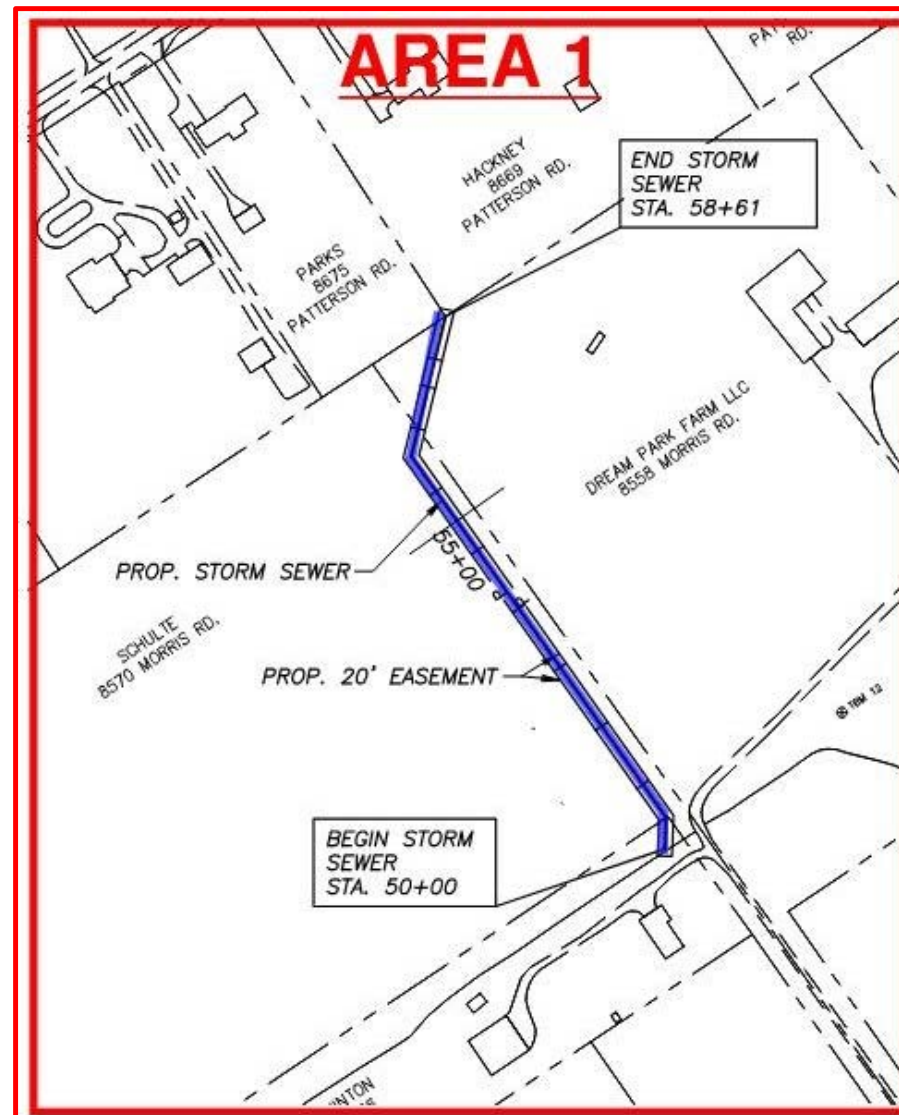


Area 1

Recommendation:

- 860' of 12" drain tile.

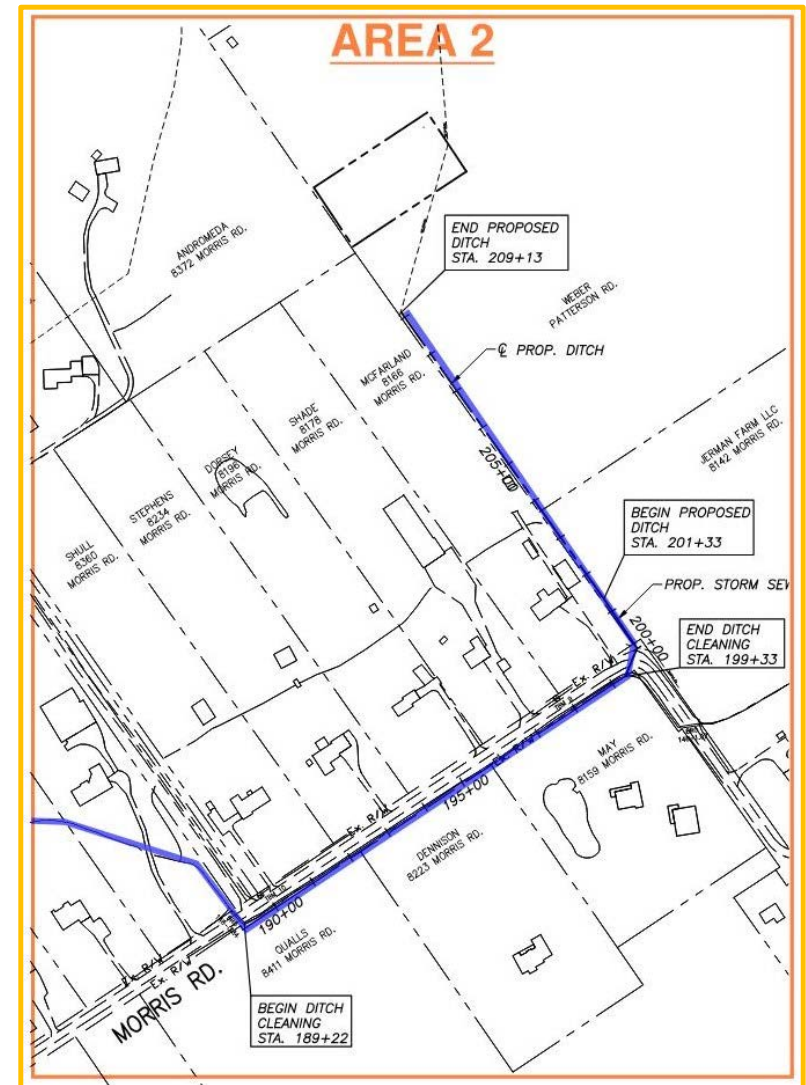
The proposed layout changed from our last meeting to follow the property line instead of the surface pattern.



Area 2

Recommendations:

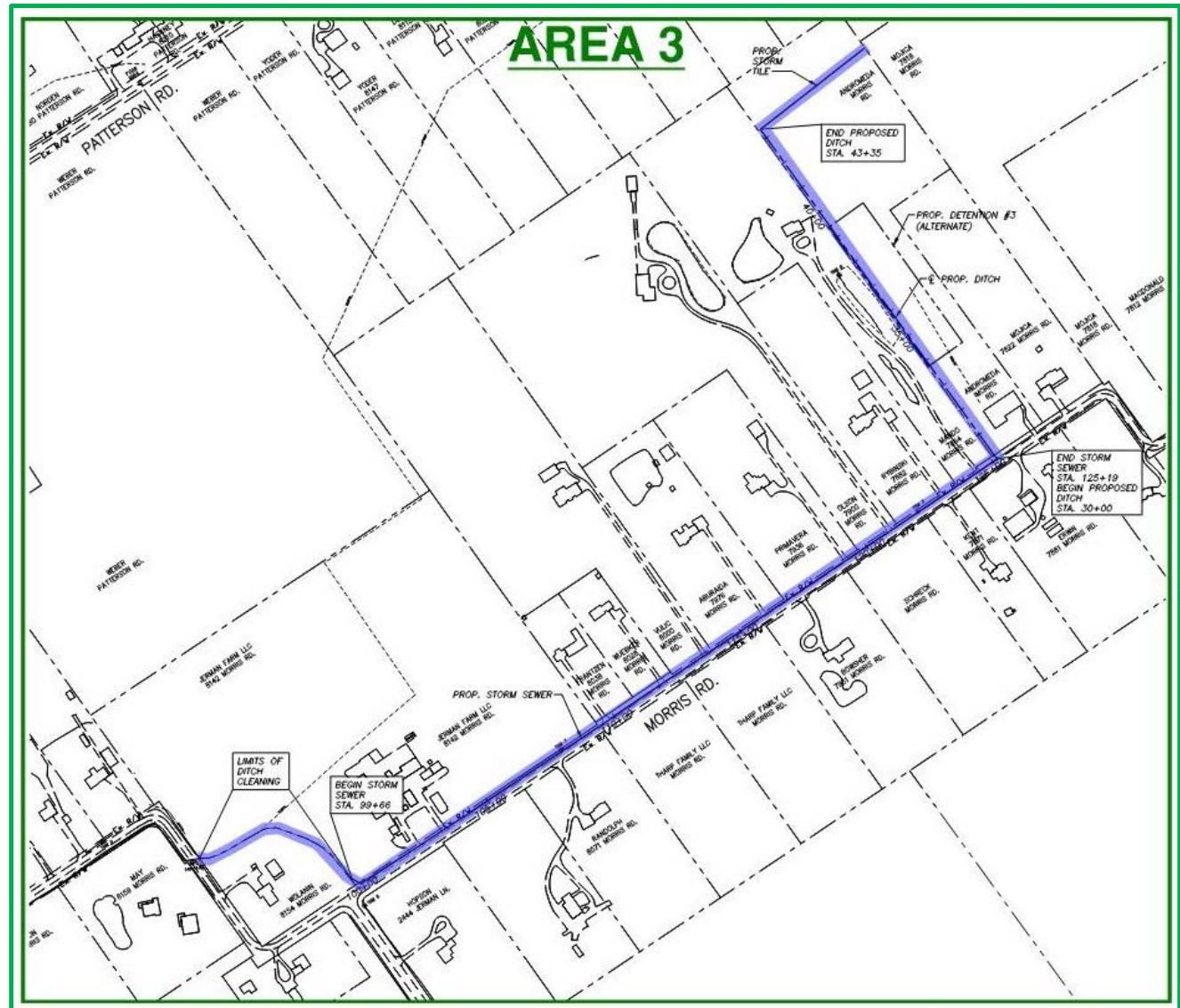
- Clean 1000'+ of existing ditch predominantly along Morris Road.
- Install 850' of ditch and swale.
- Install 984' of storm sewer.



Area 3

Recommendations:

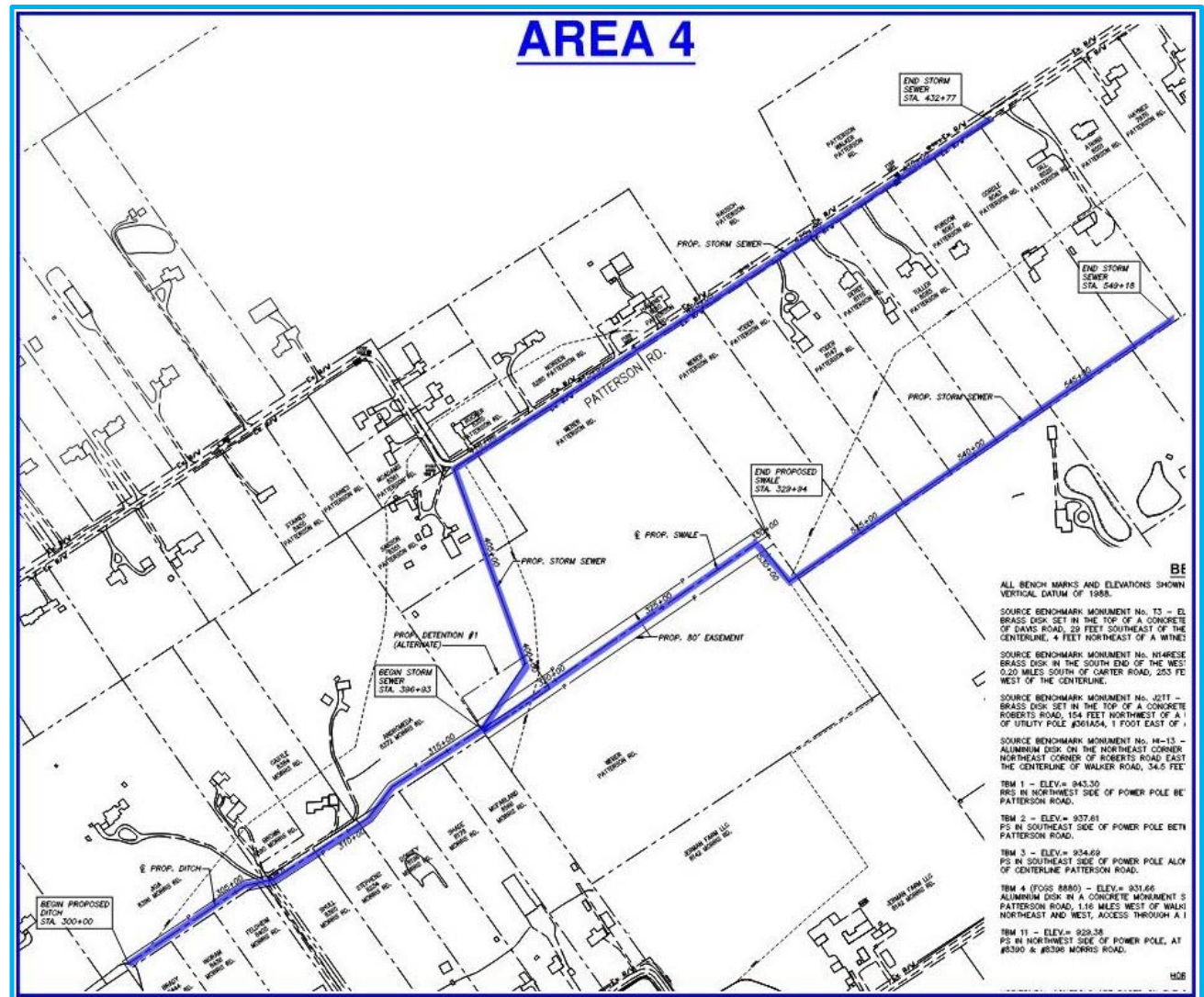
- Clean 585' of existing ditch
- Install 2553' of storm sewer along Morris Road.
- Install 1767' of storm sewer on private property.
- Construct 1335' of drainage swale.



Area 4

Recommendations:

- Construct 2929' of drainage swale
- Construct 1745' of Drainage Ditch.
- Install 3584' of storm sewer along Patterson Road.
- Install 3098' of storm sewer on private property.





Updated Project Estimate

These estimates are preliminary
and are based on an
approximately 90% Design.

	Improvements	Estimated Cost
Areas of Proposed Improvements	Area 1 Improvements	\$ 124,500
	Area 2 Improvements	\$ 240,500
	Area 3 Improvements	\$ 1,141,000
	Area 4 Improvements	\$ 1,715,500
	Engineering, 15% (e.g. design fee, bidding, construction inspection)	\$ 230,000
Construction Estimate:		\$ 3,451,500
	Brown Township Direct Assessment	\$ (670,000)
	Franklin County Direct Assessment	\$ (472,000)
Construction Cost - Direct Assessments:		\$ 2,403,600
	First-year Maintenance Startup (5%)	\$ 120,180
Distributed Assessment Estimate:	(Estimate based on 90% plans)	\$ 2,523,780



What we
need from
you now.

Individual Property Add On Items

- The design responds to the property owners who signed the petition by providing an outlet. In some cases, work may need done to connect individual properties to the outlet. Talk with us if you would like to discuss connection work at the expense of the individual property.

Feedback on ODNR Environmental Suggestions

- The ODNR Letter will be on our website if you would like to read it.
- Complete a comment form to let us know if you would like us to add those items to the project.

Tell Us Your Opinion on the Value of the Project

- We are making all possible efforts to minimize property impacts, but they do occur.
- And there is a cost associated with each part of the project.
- Fill out a comment form to give us your opinions.



Assessments

Each parcel in the watershed is assessed a portion of the cost of constructing and maintaining the proposed improvement. This includes rights-of-way owned by local or state governments and utilities.

Parcels are only assessed for portions of the improvement used by that parcel.

Parcels are individually analyzed against assessment factors and levied construction assessments semiannually for up to 30 installments (15 years).



Calculation of Assessments

Parcels are only assessed for portions of the improvement used.

Acreage of a parcel

- Area of the lot within the watershed

Land Use

- Agricultural, residential, commercial, etc.
- Affects imperviousness and runoff rates

Remoteness of the parcel to the improvement

- Distance from the lot to the improvement
- Lots closer to the improvement should see a greater benefit

Percentage of improvement used

- Parcels in the downstream section do not see benefits from improvements upstream

Other benefits seen

- Improvement and watershed dependent

CONTACT INFORMATION

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