Department of Environmental Services
Water Distribution
Wastewater Collection & Treatment

Nicholas A. Sanford, Director

Ashtabula
COUNTY, OHIO
Where great things happen.

Board of Commissioners
Casey R. Kozlowski, President
Kathryn L. Whittington
J.P. Ducro IV

March 8, 2017

VIA EMAIL

Ohio Environmental Protection Agency
Division of Drinking & Ground Waters
Northeast District Office
ATTN: Patricia K. Vanah, P.E. (patricia.vanah@epa.ohio.gov)
Leonard Rychlik, P.E. (leonard.rychlik@epa.ohio.gov)

Re: House Bill 512 – Lead Mapping of Community Public Water Systems
Ashtabula County Water System (PWS ID OH0400803)

Greetings:

Enclosed herewith is a 19-page Lead Assessment Map of the service connections within the Ashtabula County Water System, pursuant to the rules and stipulations pertinent to Ohio House Bill 512.

We ask for email response verifying receipt of this transmittal for our records. Should you have any questions, please contact our office at the number listed below, or by email to the Director at nasanford@ashtabulacounty.us.

Thank you for your consideration.

Respectfully,

Ashtabula County Department of Environmental Services

Nicholas A. Sanford
Director

ec: Ohio Department of Job & Family Services (angela.kaiser@jfs.ohio.gov)
Ohio Department of Health (BEH@odh.ohio.gov)
Shawn Aiken, P.E., and Lesley Gordon, P.E., Sanitary Engineers
Janet L. Discher, County Administrator
Edwin Spoor, Water Distribution Superintendent, ACDES

P.O. Box 520, Jefferson, OH 44047
Phone: (440) 576-3722 | Fax: (440) 576-3781 | Web: www.ashtabulacounty.us

IDENTIFYING CHARACTERISTICS OF BUILDINGS WITH LEAD PIPING, SOLDER OR FIXTURES

- In 1986, The Safe Water Drinking Act (SDWA) was amended to ban the use of lead solders which contain more than 0.2% lead. The lead ban provisions of the act became effective in Ohio Plumbing Code on March 30, 1998. The SDWA amendments also required the use of lead-free flux, pipes and fittings in new installations and repairs of public water systems, or any plumbing within a residential or nonresidential facility which provides water for human consumption. Lead-free was defined at the time as having no more than 8.0% lead (note this 8.0% was lowered to 0.25% in 2014).

- In 2011, SDWA Section 1417 was amended for the prohibition on use and introduction into commerce of lead pipes, solder and flux. These new requirements became effective on January 1, 2014. The amendments specifically modified the applicability of the prohibitions by crating exemptions for certain non-potable applications, changed the definition of "lead-free" by reducing lead content from 8% to a weighted average of not more than 0.25% in the wetted surface material (primarily affects brass/bronze), eliminated the provision that required certain products to comply with "voluntary" standards for lead leaching, and established a statutory requirement for calculating lead content.

- Because it is practically impossible to determine the lead content of an installed fixture, fitting or pipe, it should be assumed that the manufacture or installation date is the primary indicator of the lead content. Therefore, the characteristics of buildings and piping solder or fixtures would be buildings in Ohio built prior to 1998 or that use plumbing material or solder manufactured before 1998 may have materials with greater than 8% lead and are at a higher risk of contributing lead to the drinking water than materials manufactured after 1998. In addition, buildings built and plumbing materials manufactured after 2014 were required to have less than 0.25% lead by weight and have the lowest risk for contributing lead to the drinking water. It should be noted however that, although prohibited, some use of leaded solder or leaded components may have occurred after the prohibitions became effective.

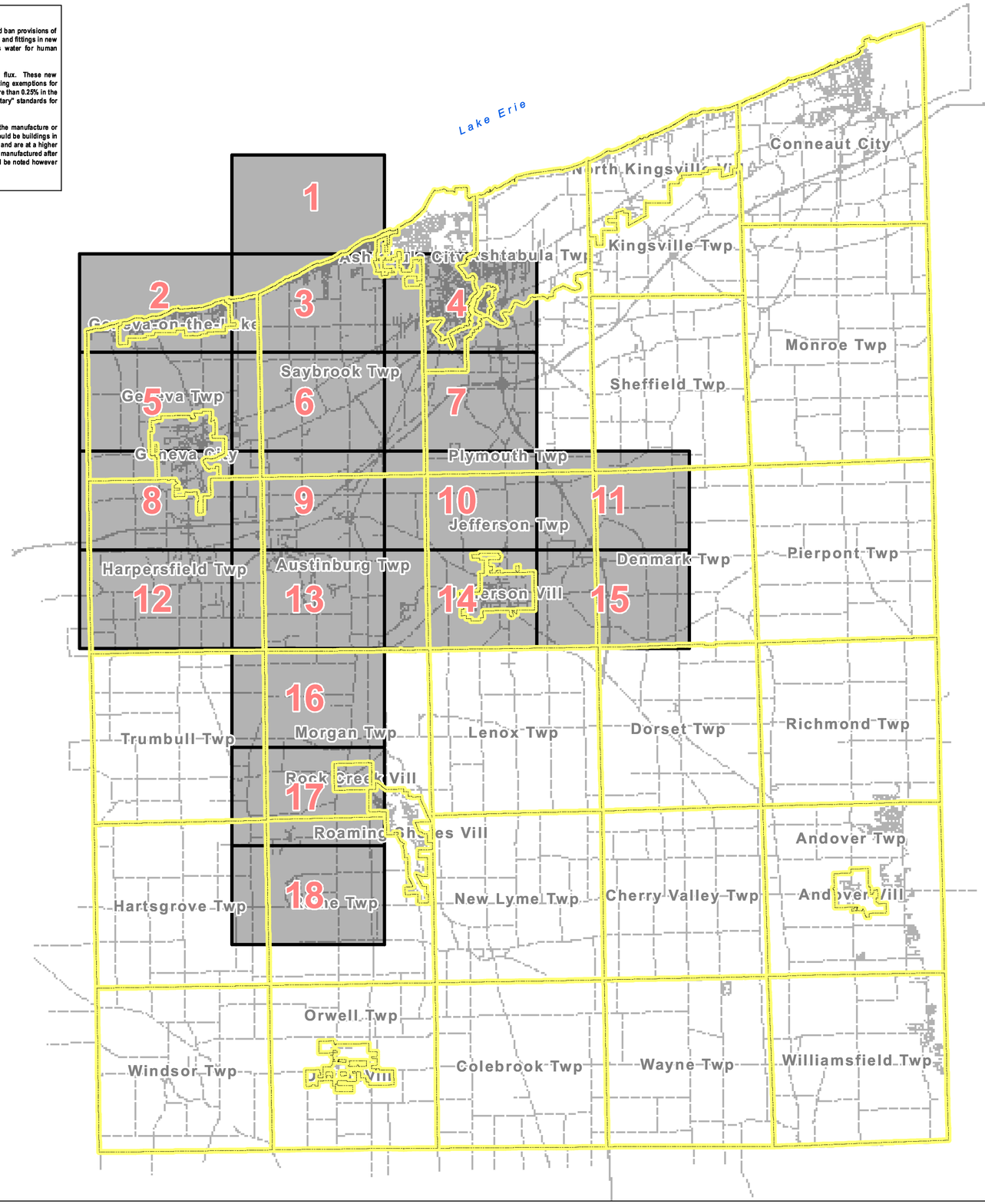
NOTES/DISCLAIMER

Information contained in this Figure are not intended to identify specific water services, homes, and/or buildings, but rather are to identify general areas of potential for lead based on materials.

The materials in this map are provided "as-is" and without express or implied warranties of any kind as to accuracy, reliability, timeliness, utility or completeness of the information.

Lead Assesment

County	Owner	
✓	✓	Copper - Copper
✓		Copper - No Data
		No Data - No Data
•		Multiple Service



Legend

- Map Tile
- Centerline
- Lakes
- Municipality

PWS ID - OH0400803

Lead Assesment Map Index

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Water System Lead Assessment
March, 2017

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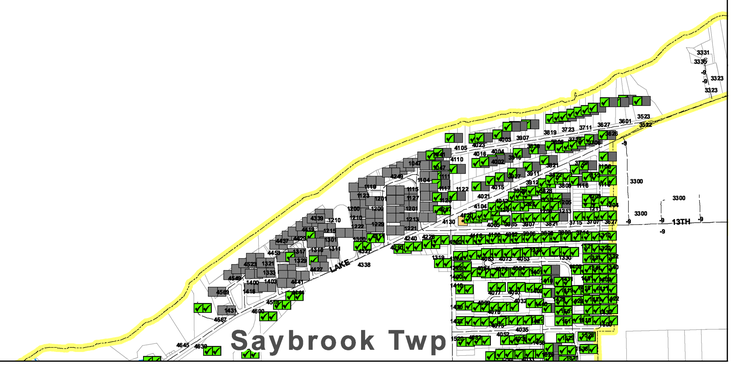

N

660 330 0 660 Feet

Lead Assesment

County	Owner
Copper	Copper
Copper	No Data
No Data	No Data
Multiple Service	

Parcels
Lakes
Municipality
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Water System Lead Assessment

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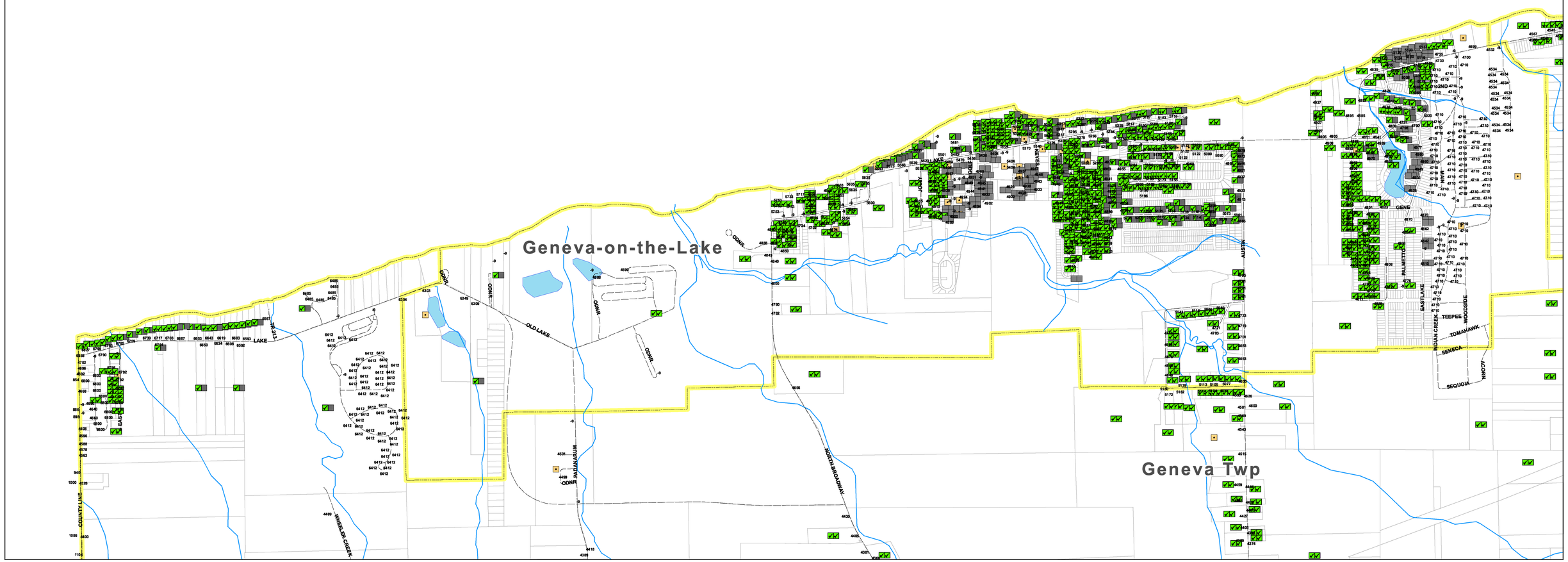

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Lead Assesment

County Owner	
Copper - Copper	Parcels
Copper - No Data	Lakes
No Data - No Data	Municipality
Multiple Service	Centerline
	Railroad
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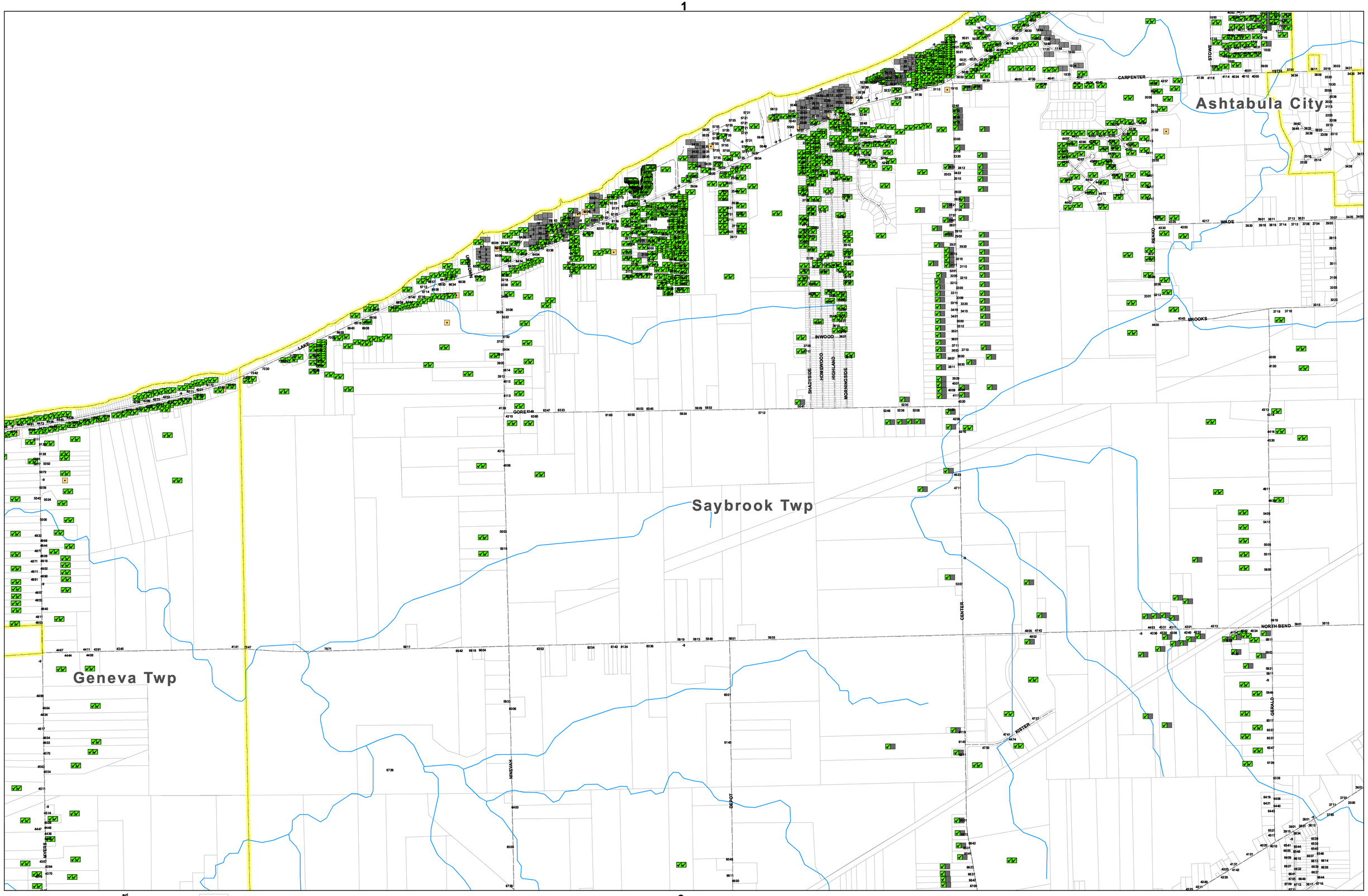

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Lead Assessment

County Owner	
Copper - Copper	
Copper - No Data	
No Data - No Data	
Multiple Service	

Parcels
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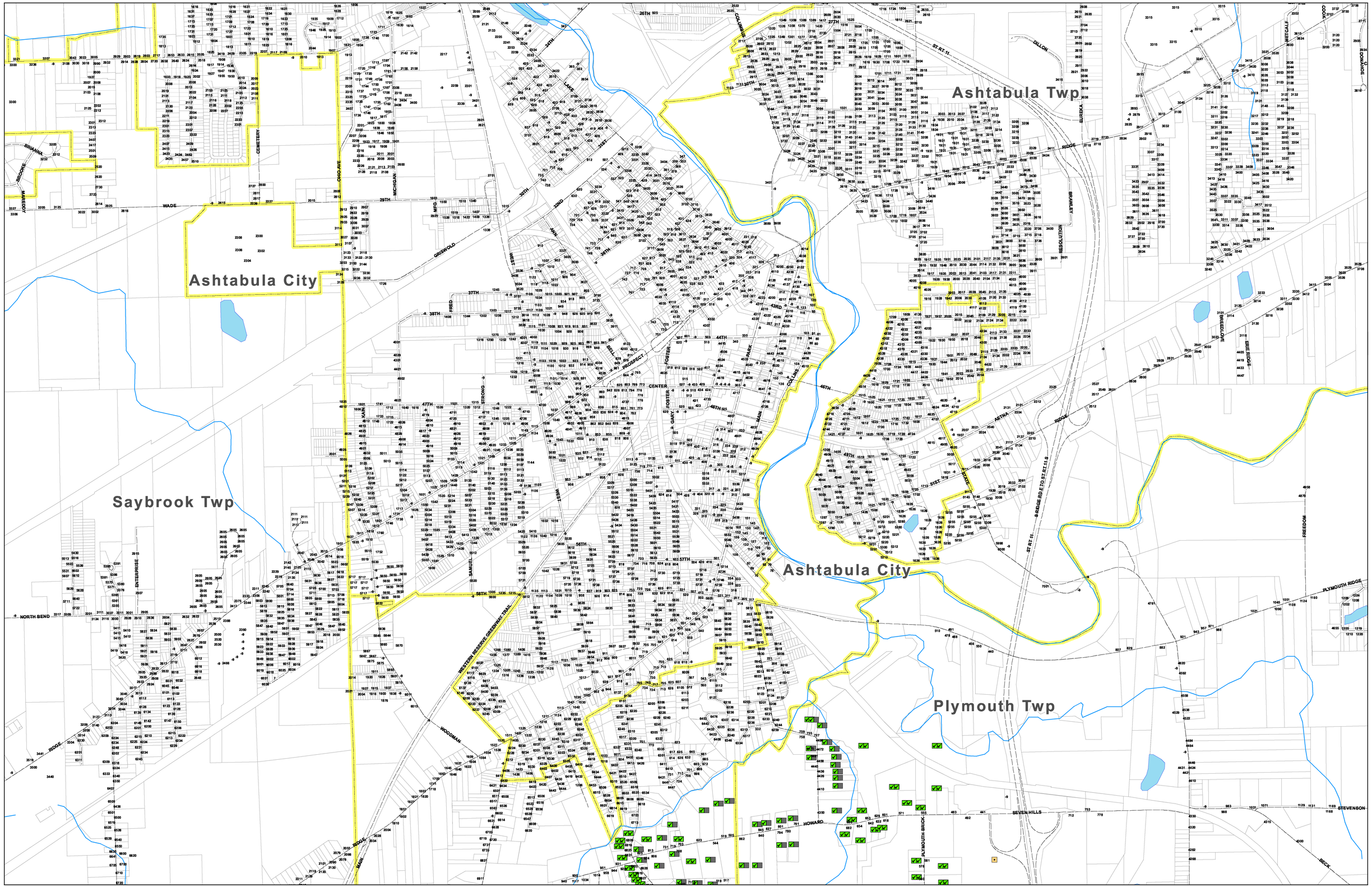

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Lead Assessment

County	Owner
✓✓	Copper - Copper
✓✓	Copper - No Data
	No Data - No Data
✓	Multiple Service

Parcels
Lakes
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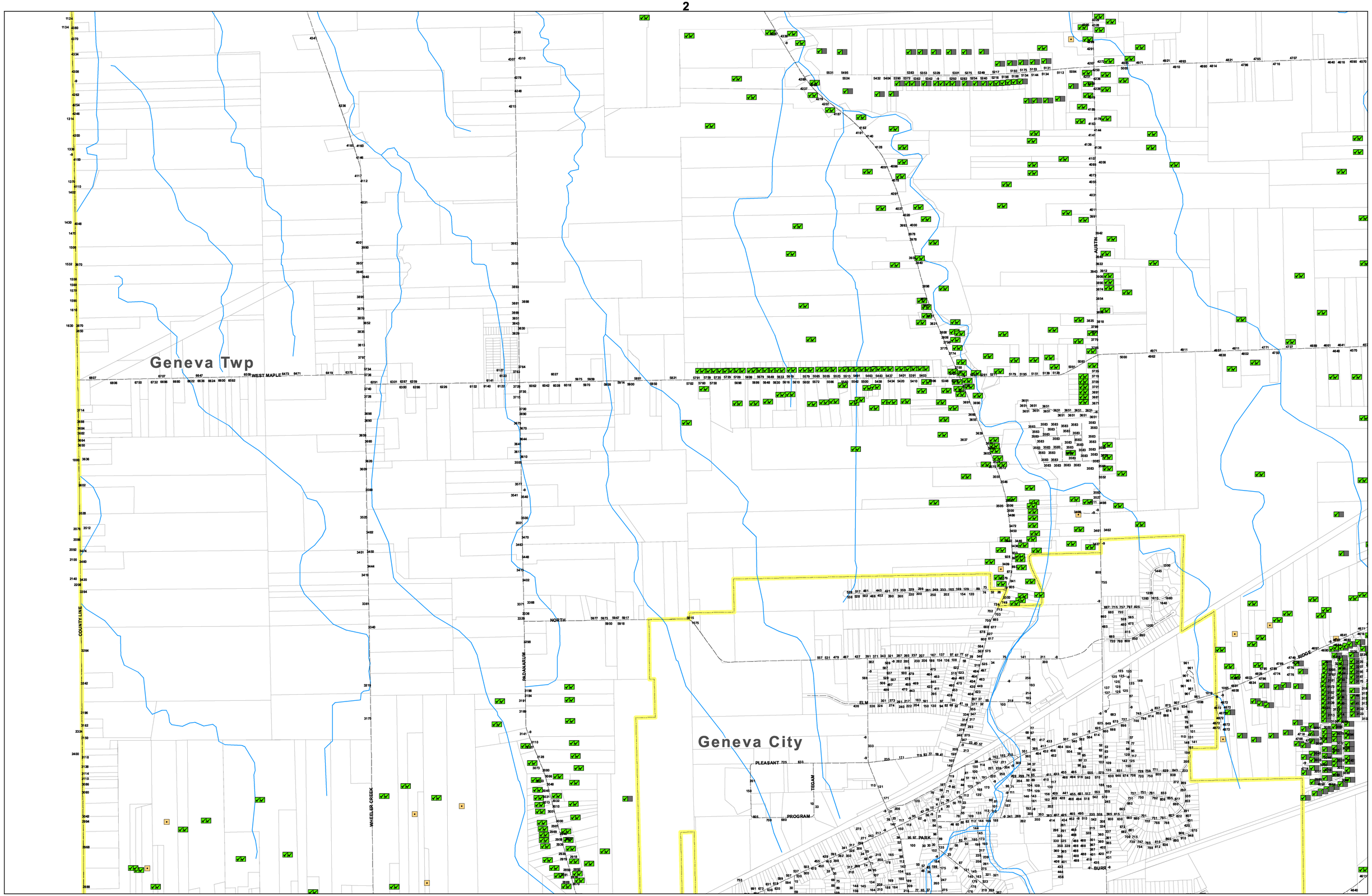

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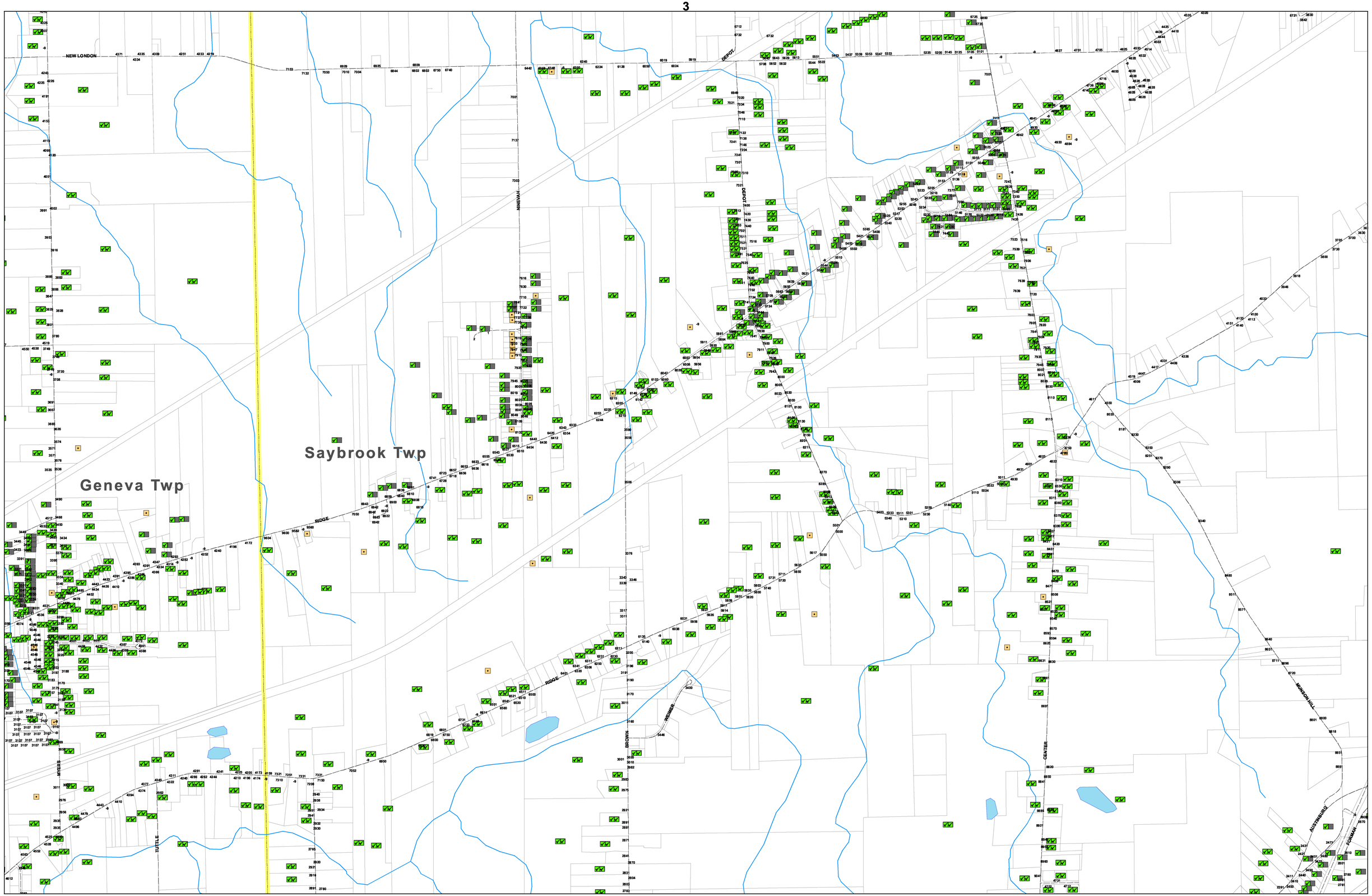

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Lead Assessment

County Owner	
Copper - Copper	
Copper - No Data	
No Data - No Data	
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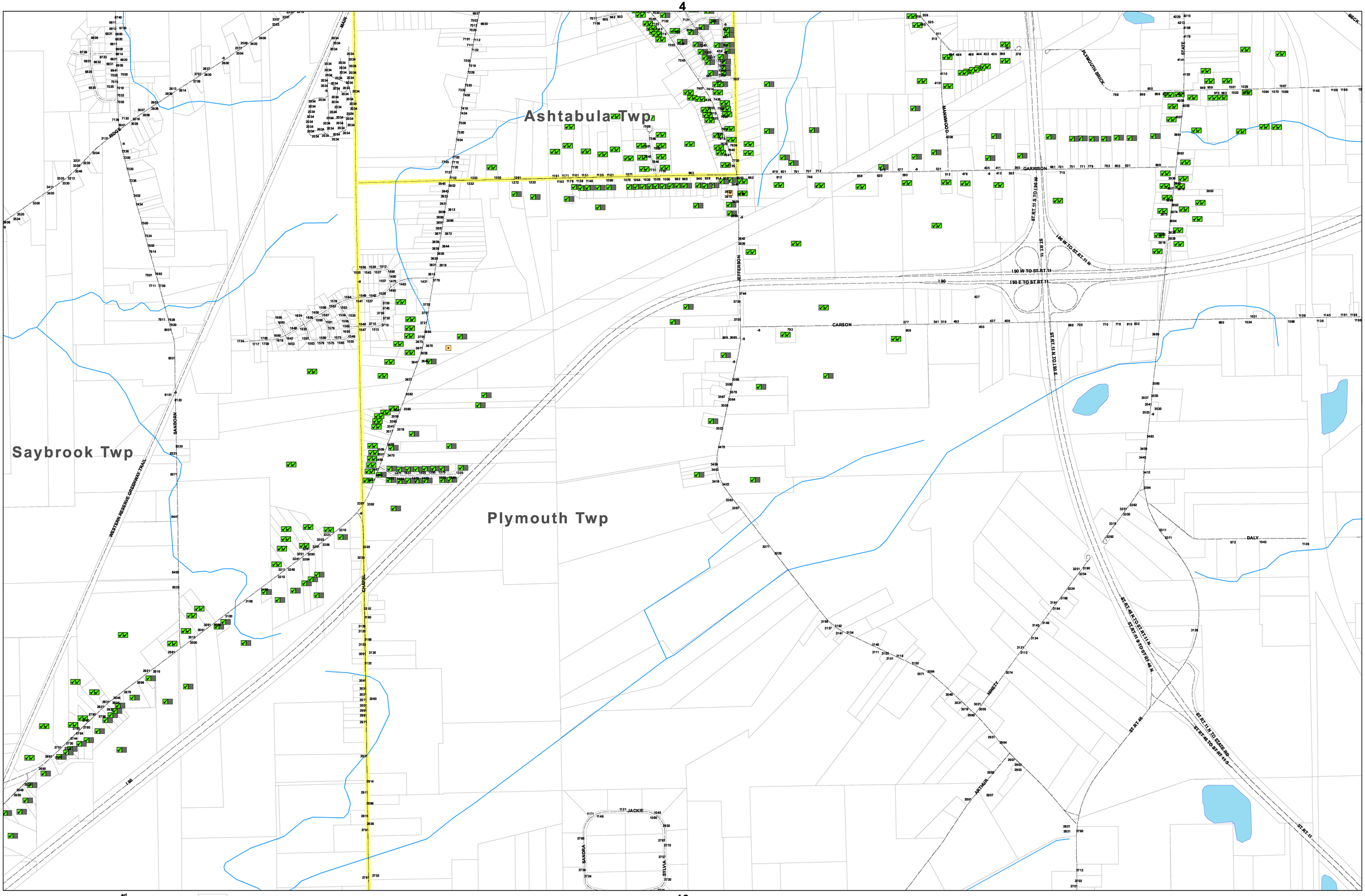

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County Owner	
Copper - Copper	Parcels
Copper - No Data	Lakes
No Data - No Data	Municipality
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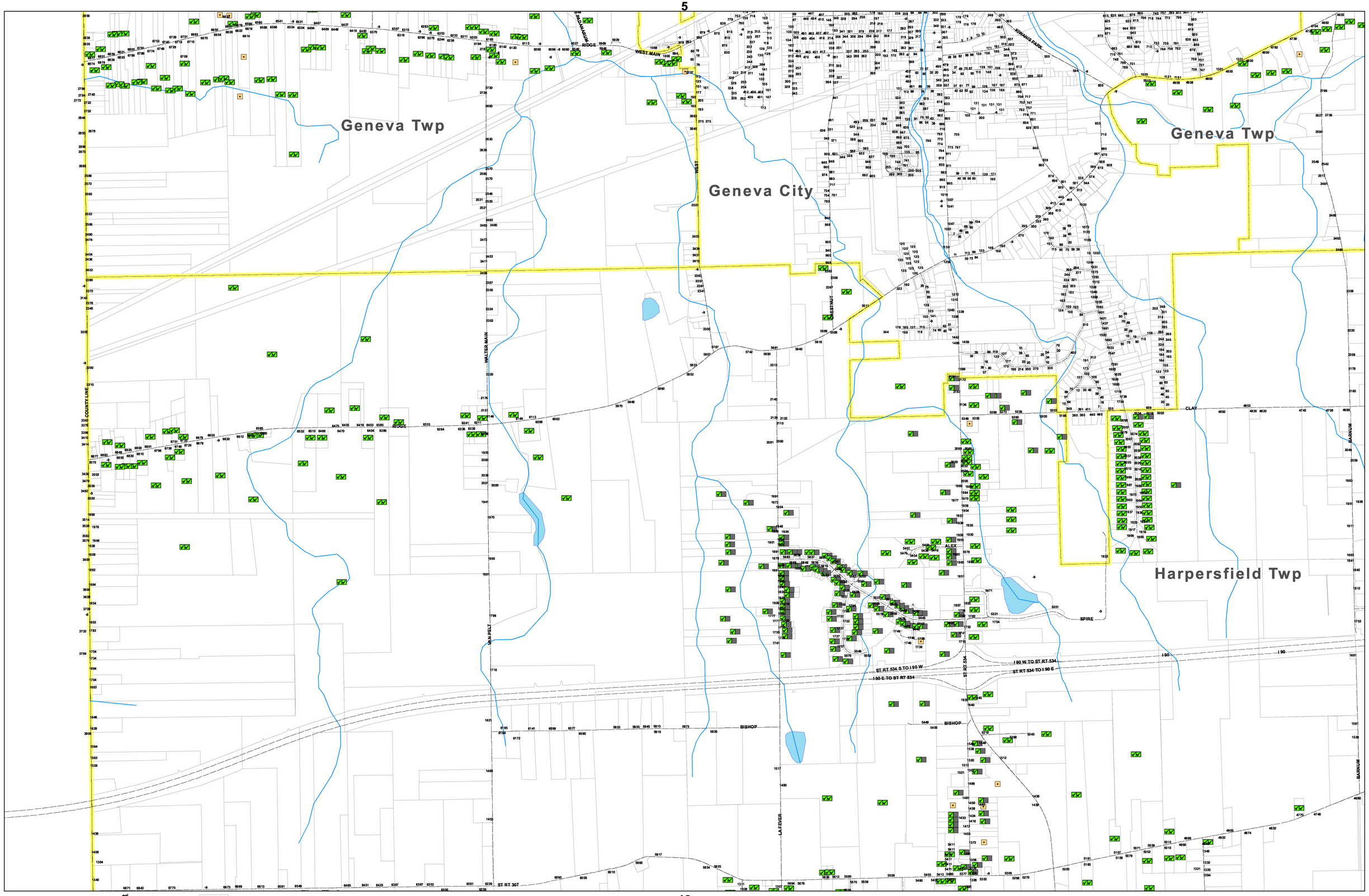

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	No Data - No Data
	Multiple Service

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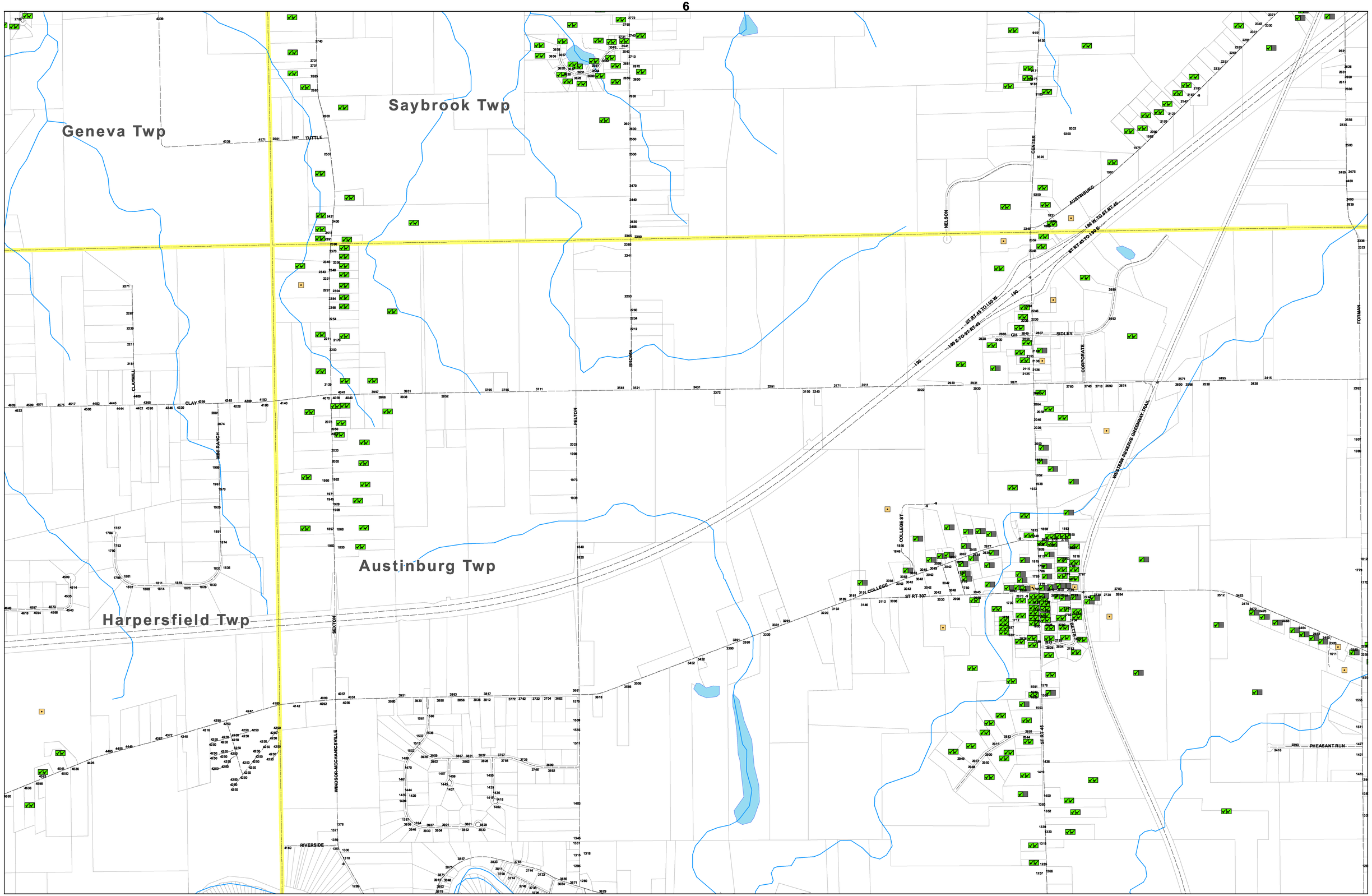

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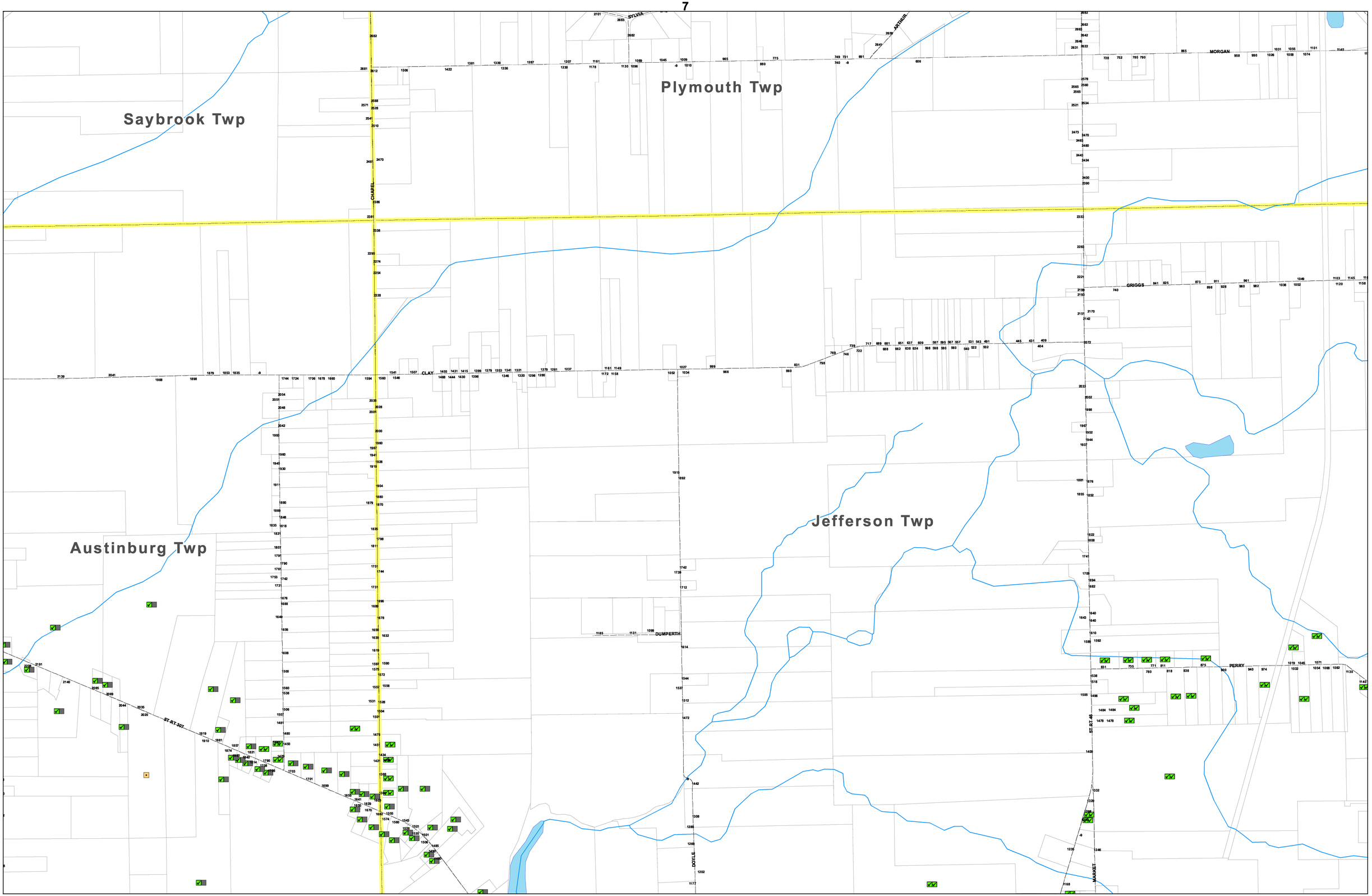

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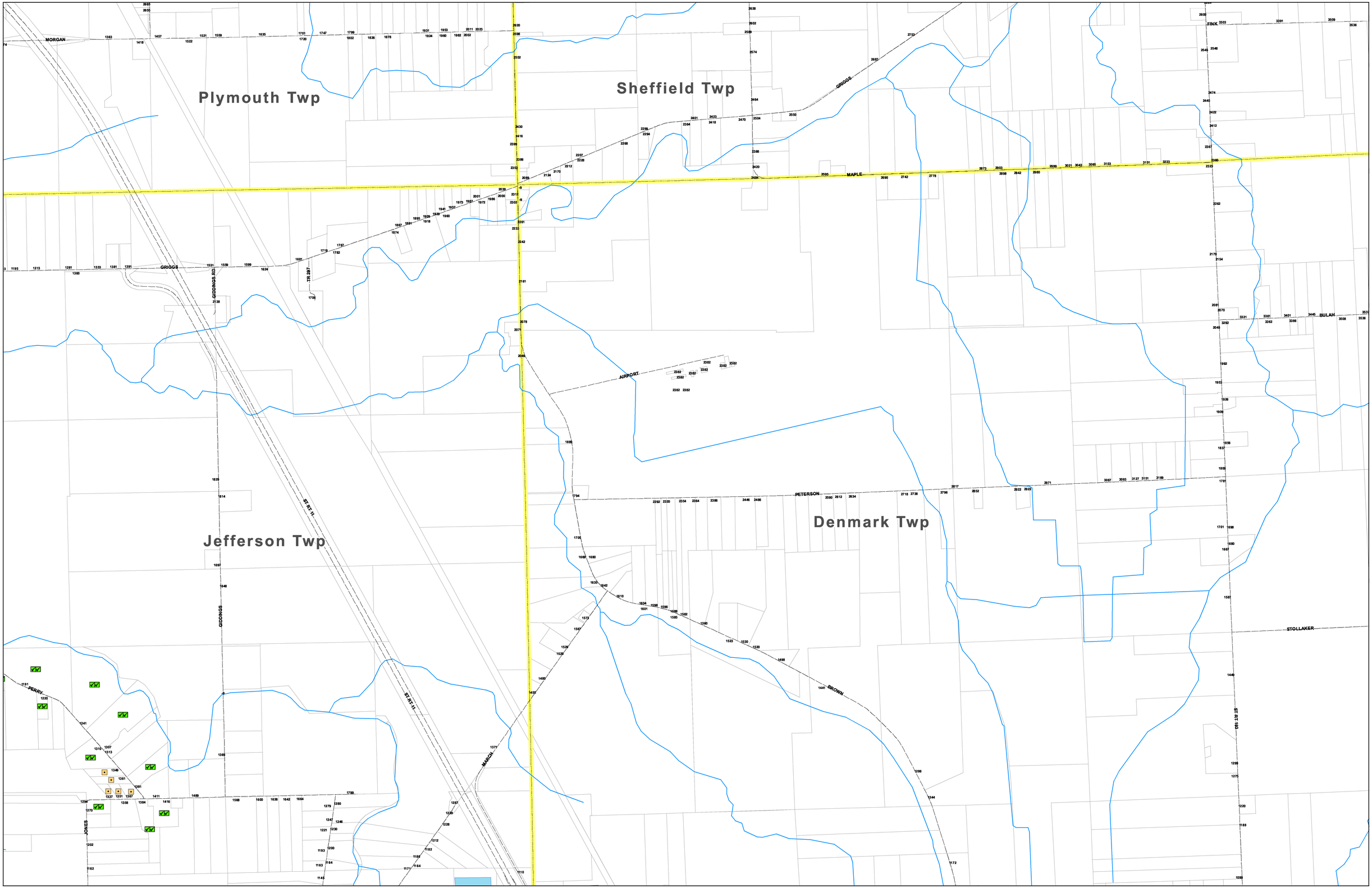

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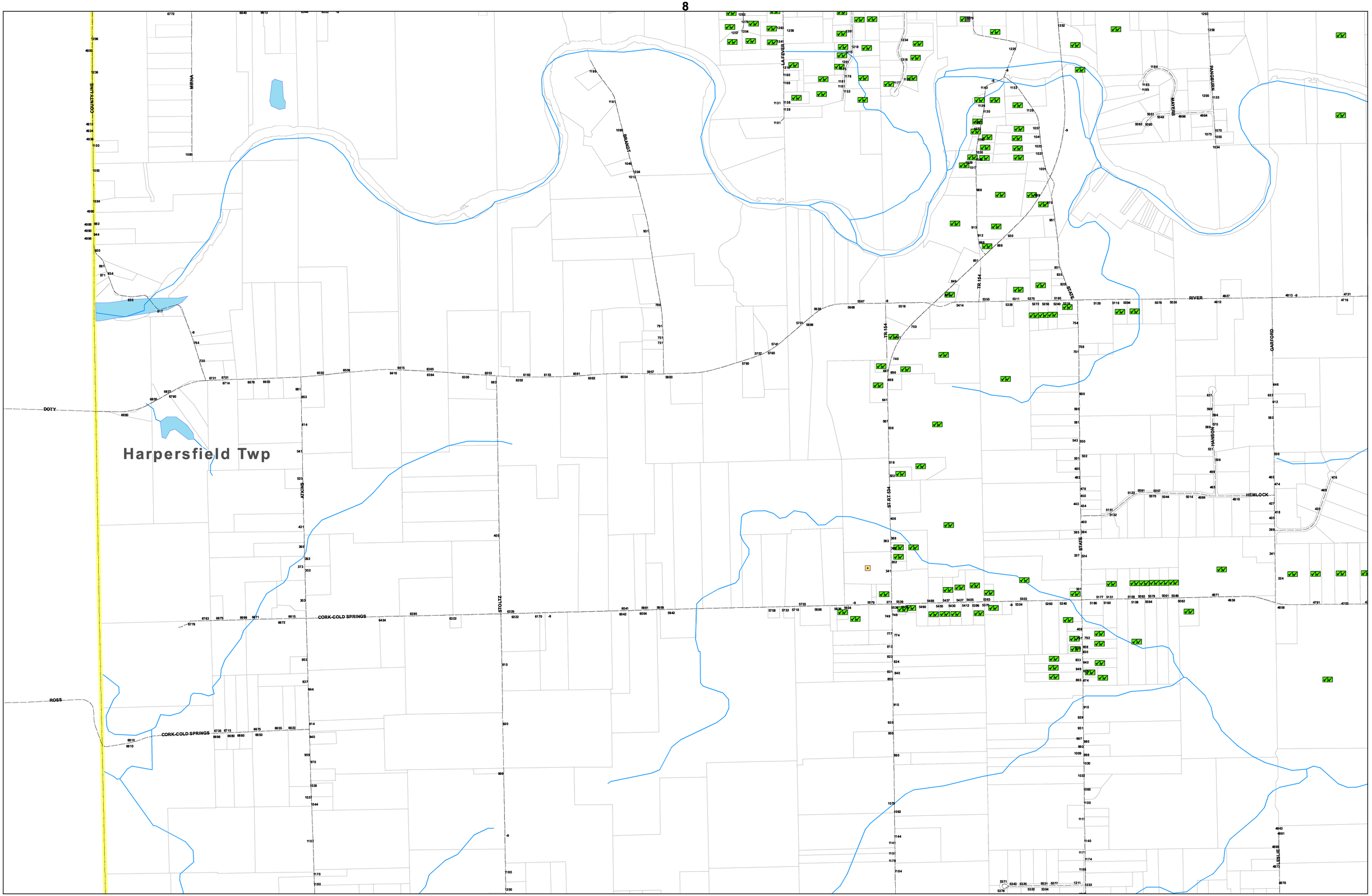

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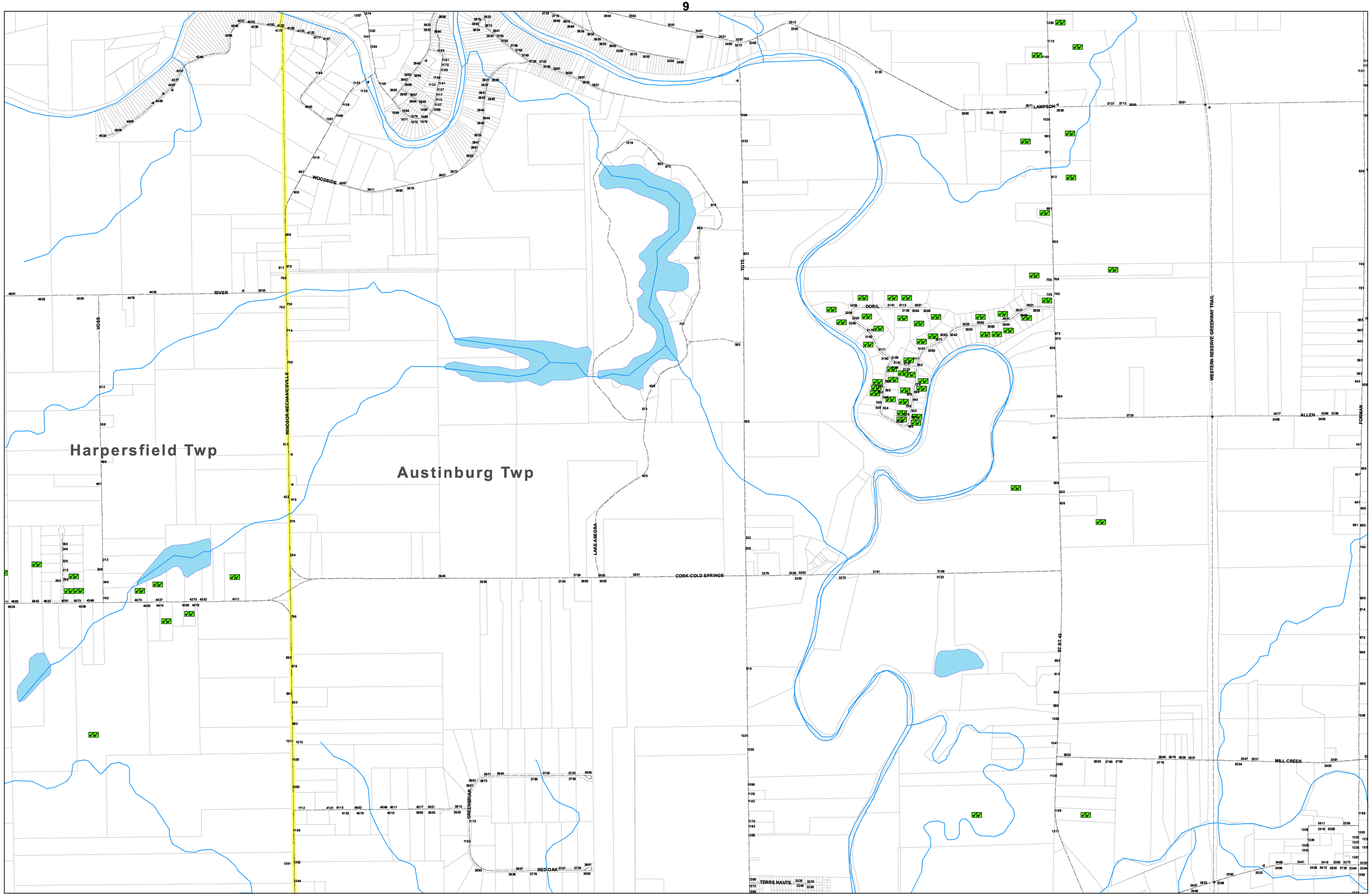

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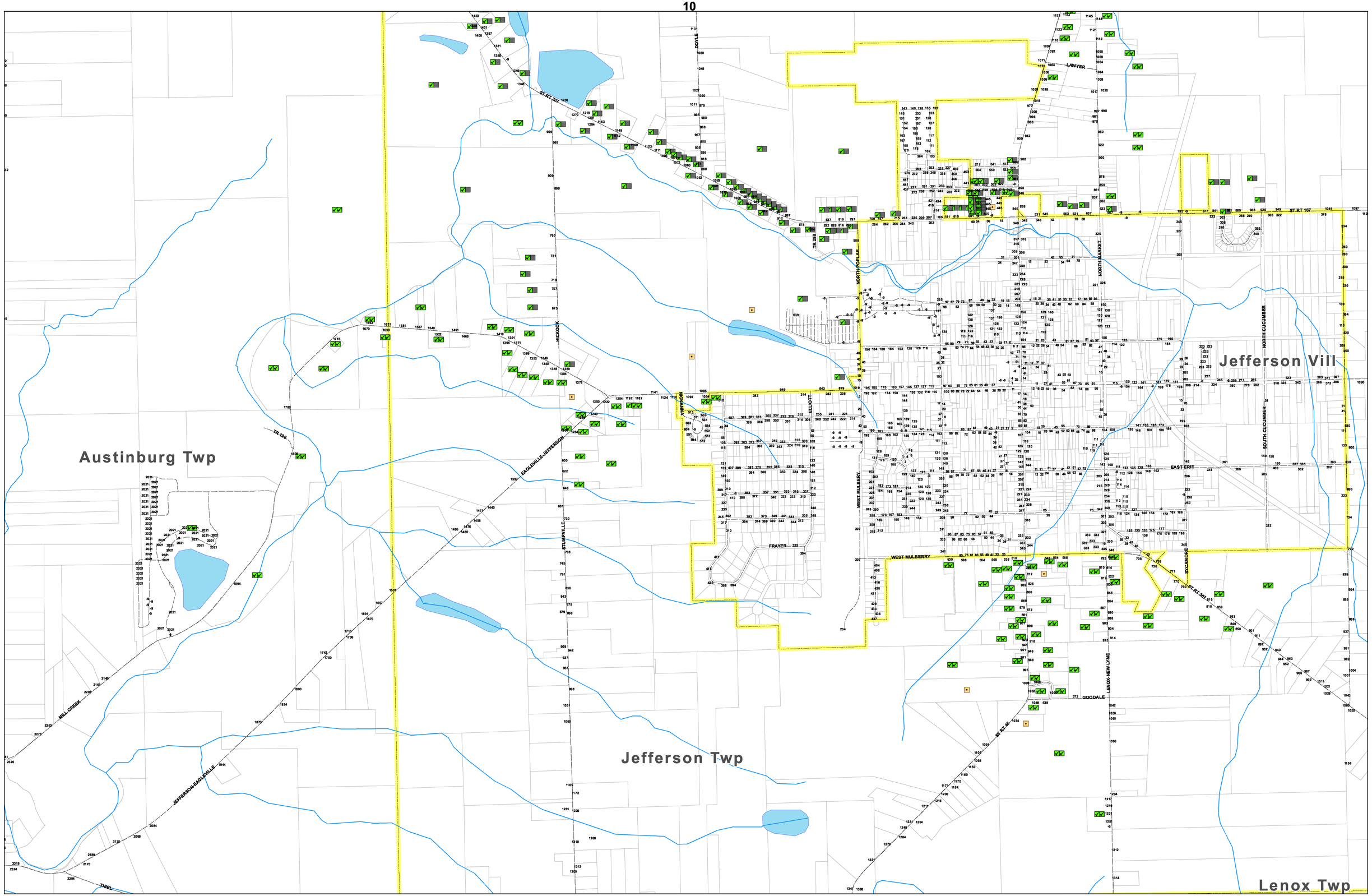

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Jefferson Twp

Denmark Twp

Lenox Twp

Dorset Twp

JONES
BEATTY
ST RT 167
GARRETT
MARCH
MARCH RD
CLARK
SOUTH DENMARK
BLACK SEA
ST RT 307
ST RT 11 TO ST RT 167
ST RT 11 N
ST RT 11 TO ST RT 167
ST RT 11 TO ST RT 167
ST RT 11 S
ST RT 11
ST RT 11
DENMARK
OVERLY
BROWN
CLAY
NETCHER
ST RT 193

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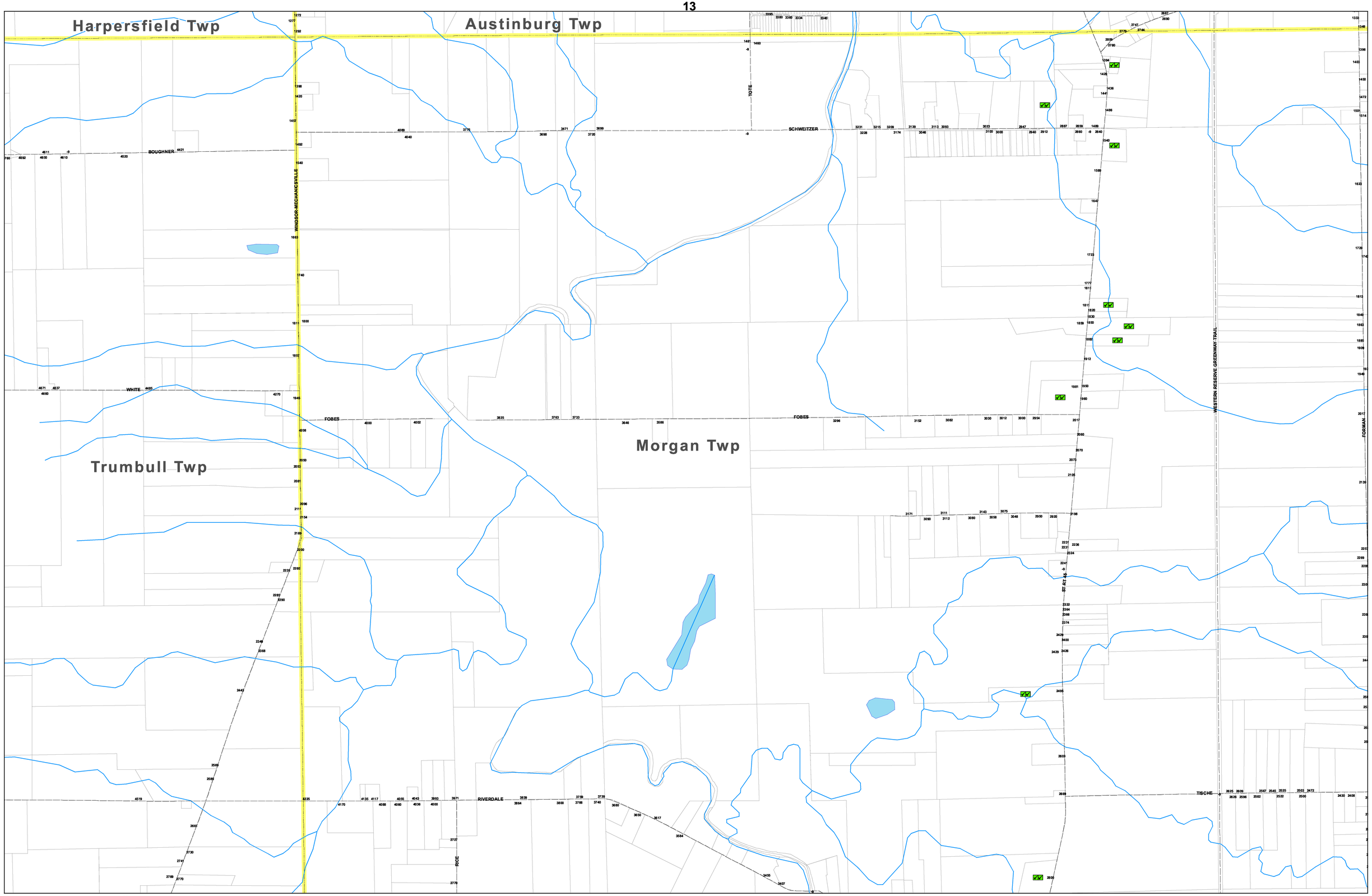

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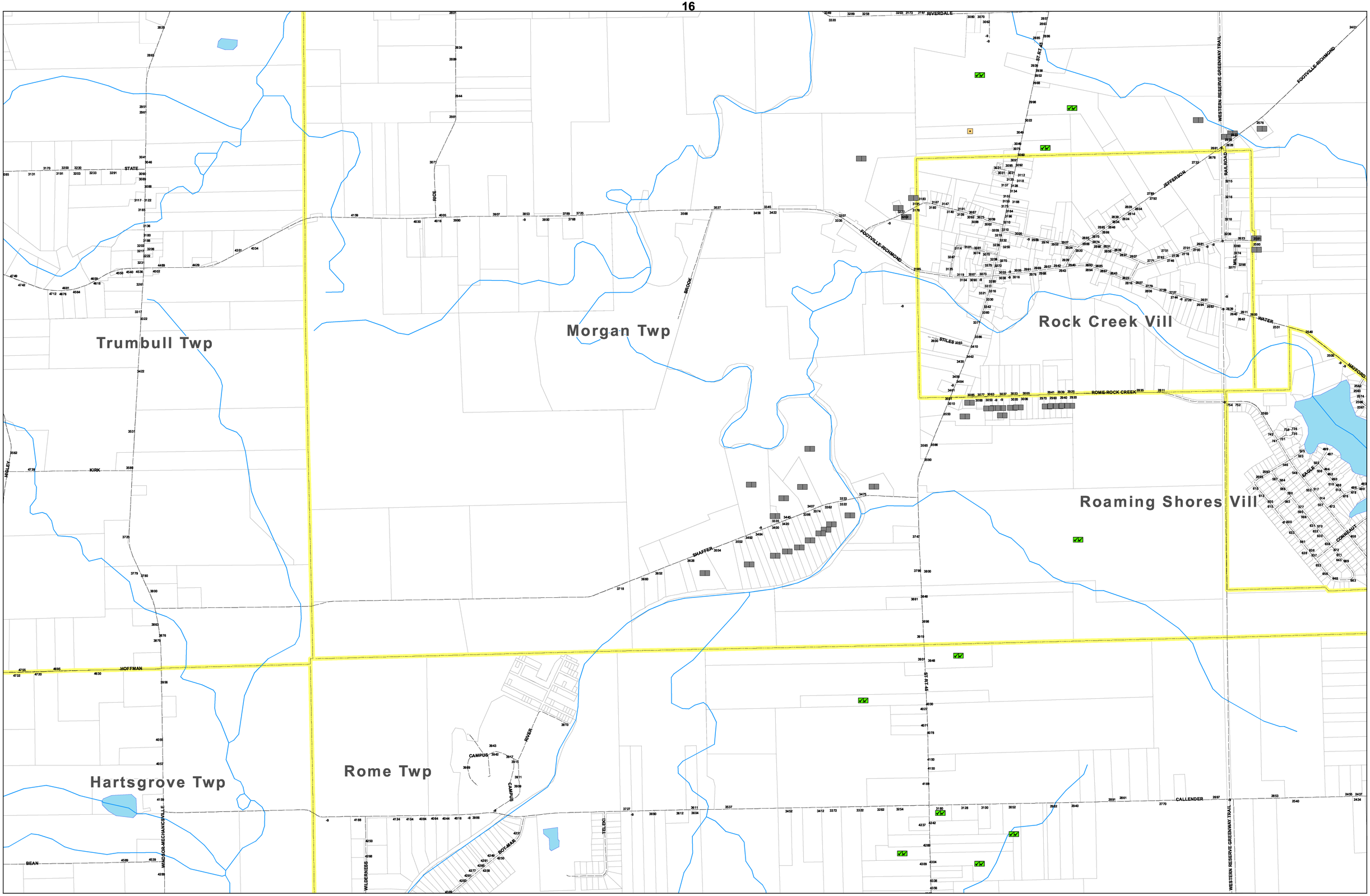

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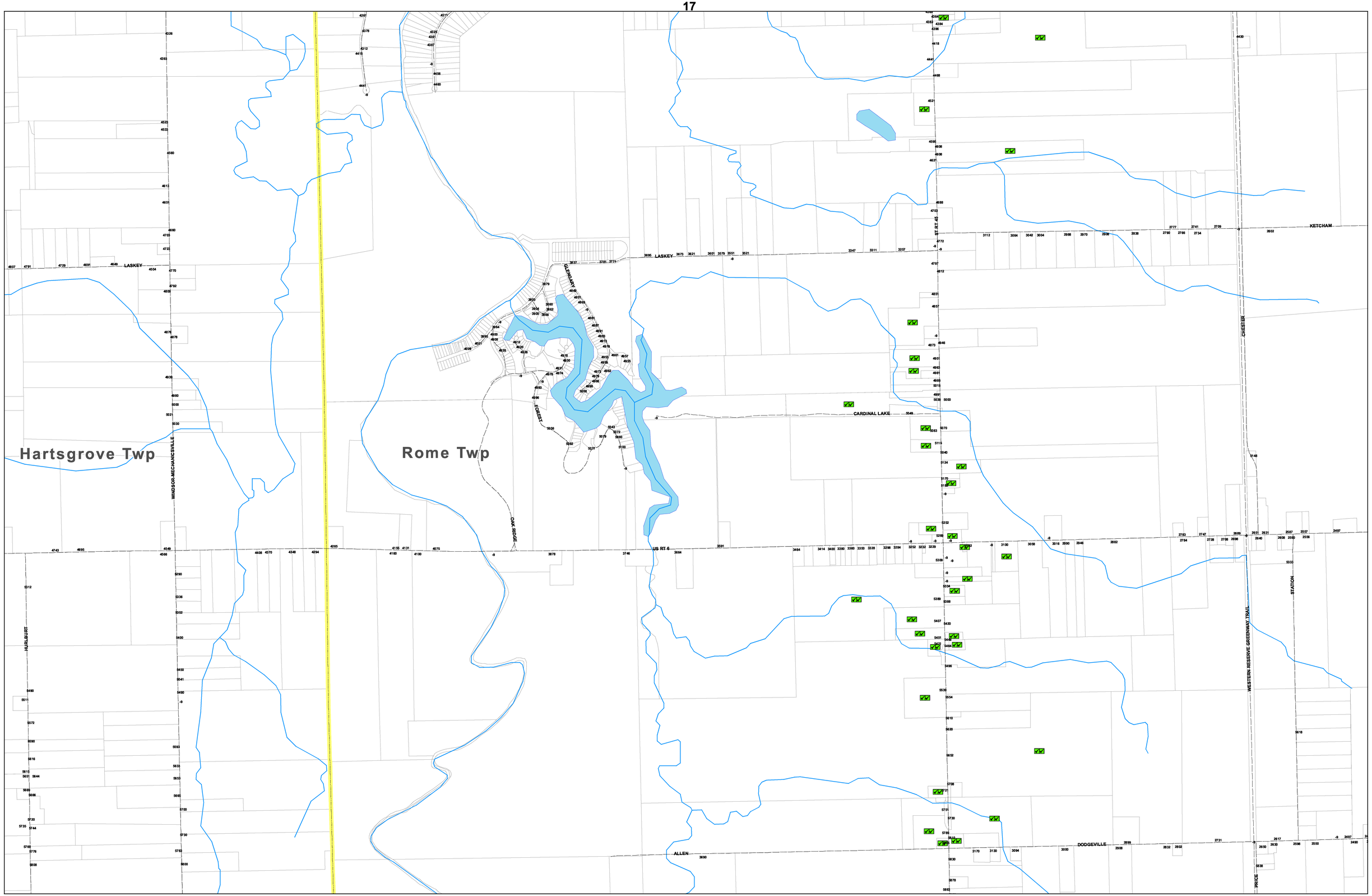

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