

Stormwater Management Plan

HOWEY-IN-THE-HILLS

PUBLIC WORKS / STORMWATER



Stormwater

WHAT IS IT AND HOW DOES IT WORK



What is stormwater

?

STORMWATER IS
WATER THAT
ORIGINATES FROM
PRECIPITATION
EVENTS, OR RUNOFF.





How is stormwater managed?

- **Control flooding** by installing, cleaning, and maintaining stormwater infrastructure such as curbs and gutters, street inlets, pipes, ditches, culverts, detention ponds, etc.
- **Regulate development** by setting design standards, providing technical guidance, reviewing plans for development and redevelopment, inspecting construction sites, and enforcing regulations.
- **Prevent pollution** by educating the public, implementing clean water programs, inspecting and monitoring runoff, complying with federal and state regulations, and enforcing water quality standards set by the Clean Water Act.

Guidance Documentation



- The Federal Clean Water Act requires storm water discharges from certain types of urbanized areas to be permitted under the National Pollutant Discharge Elimination System (NPDES) program.
 - November 1990 – EPA began Phase I of its storm water program requiring states to develop regulatory programs to address pollution issues associated with storm water.
 - Today Storm Water Phase II has been established to reduce the impacts of storm water run-off from construction, industrial, municipal, governmental and institutional sources.
 - General Storm Water rules are found in 325 IAC 15 (Article 15).
 - August 2003 - 327 IAC 15-13 (Rule 13) established requirements for designated MS4's entities to develop local Storm Water Quality Management Plans (SWQMP).
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***What is a
MS4 and
how does it
work?***



***MS4 stands
for:***

**MUNICIPAL
SEPARATE STORM
SEWER SYSTEMS**



Stormwater Quality Management Plans (SWQMP)



The Ms4's must address these 6 “minimum control measures” through their SWQMP:

1. Public Education and Outreach
2. Public Participation and Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post-Construction Site Runoff Control
6. Pollution Prevention and Good Housekeeping

SWPPPs ***(Storm Water Pollution Prevention Plan)***

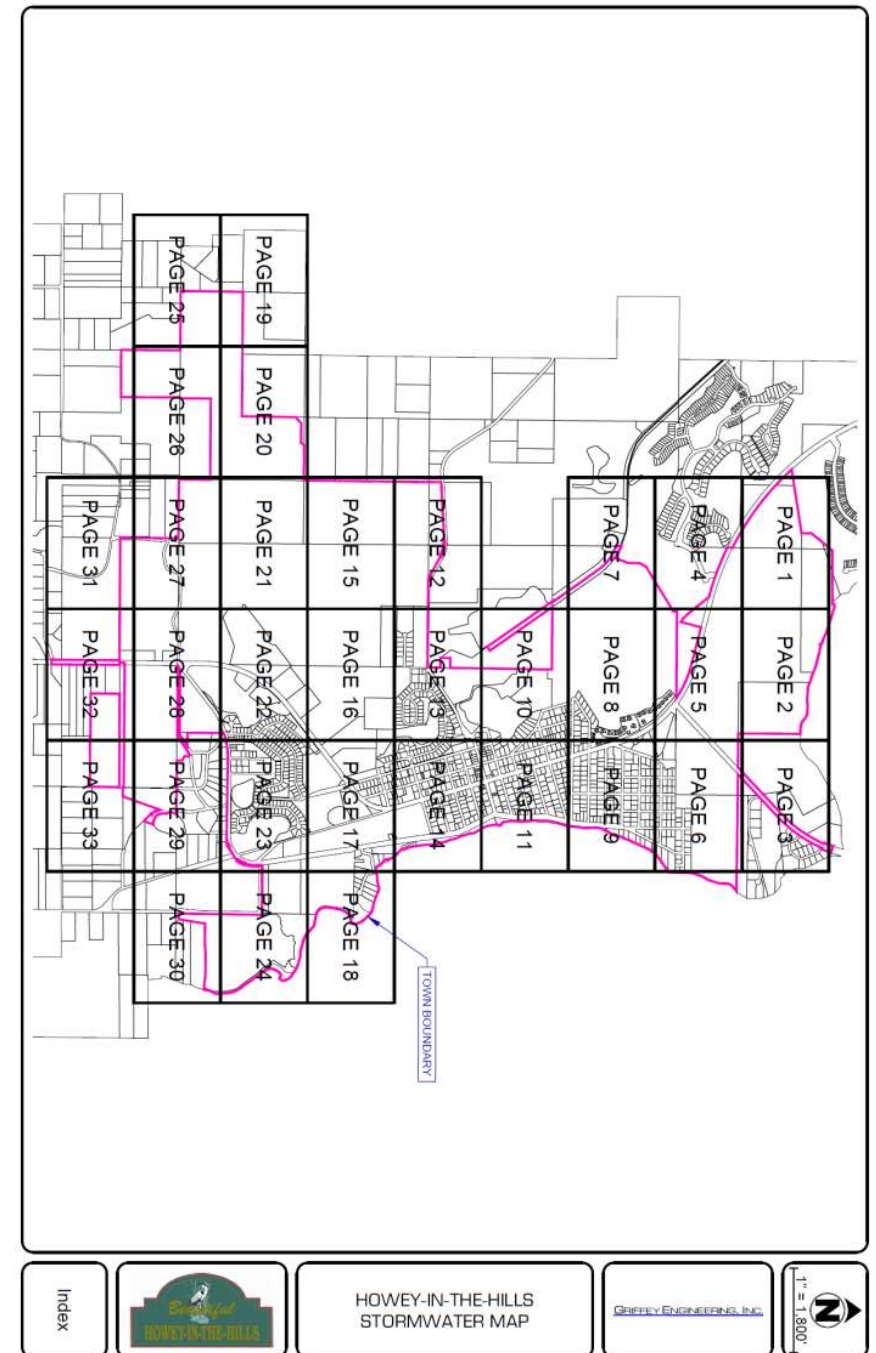


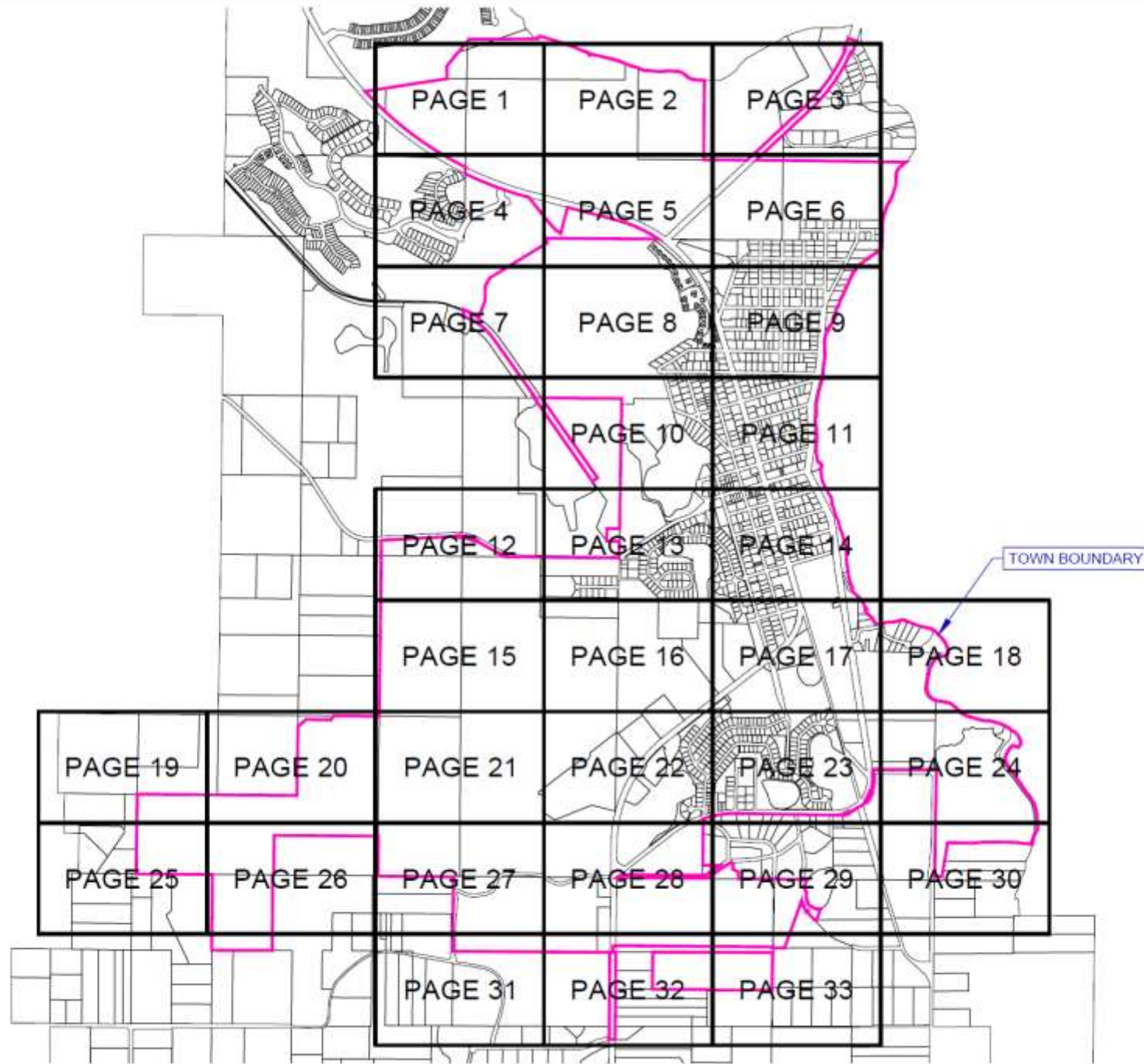
SWPPPS: A PERFORMANCE-BASED STATE REGULATION DESIGNED TO REDUCE POLLUTANTS THAT ARE ASSOCIATED WITH CONSTRUCTION AND/OR LAND DISTURBING ACTIVITIES.

Stormwater Map

A stormwater map is crucial for the Town for several reasons:

- **Flood Management:** It helps identify areas prone to flooding during heavy rains, enabling better planning and mitigation strategies.
- **Infrastructure Planning:** It assists in designing and locating drainage systems, storm sewers, and retention ponds to efficiently manage stormwater runoff.
- **Environmental Impact:** It helps monitor and control pollutants carried by stormwater, ensuring protection of water quality in rivers, lakes, and other water bodies.
- **Emergency Response:** It provides essential data for emergency services to respond effectively during floods or other storm-related emergencies.
- **Urban Planning:** It informs urban planners about the best areas for development while considering stormwater management, thus preventing future issues related to flooding and water quality.

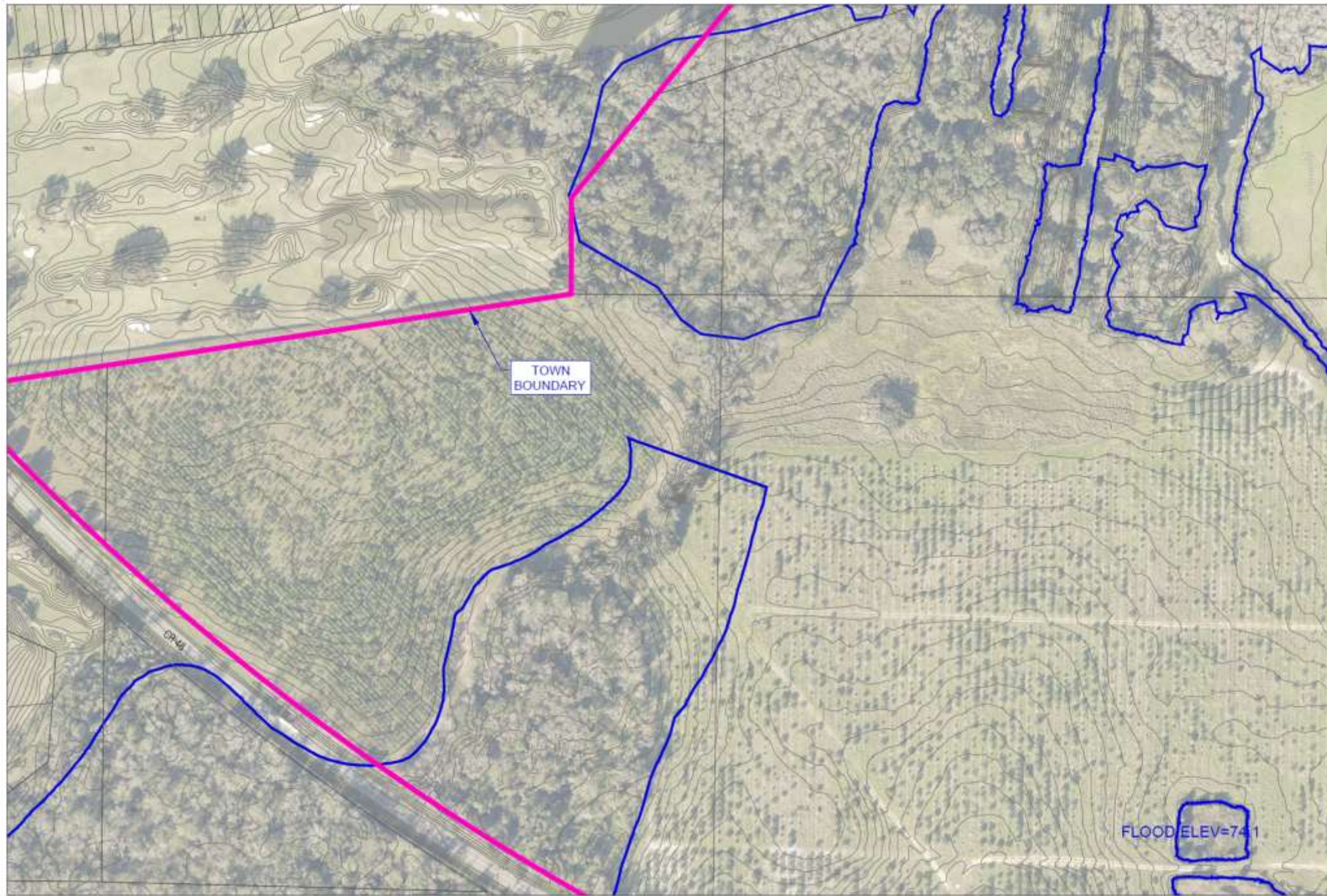




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STORMWATER MAP



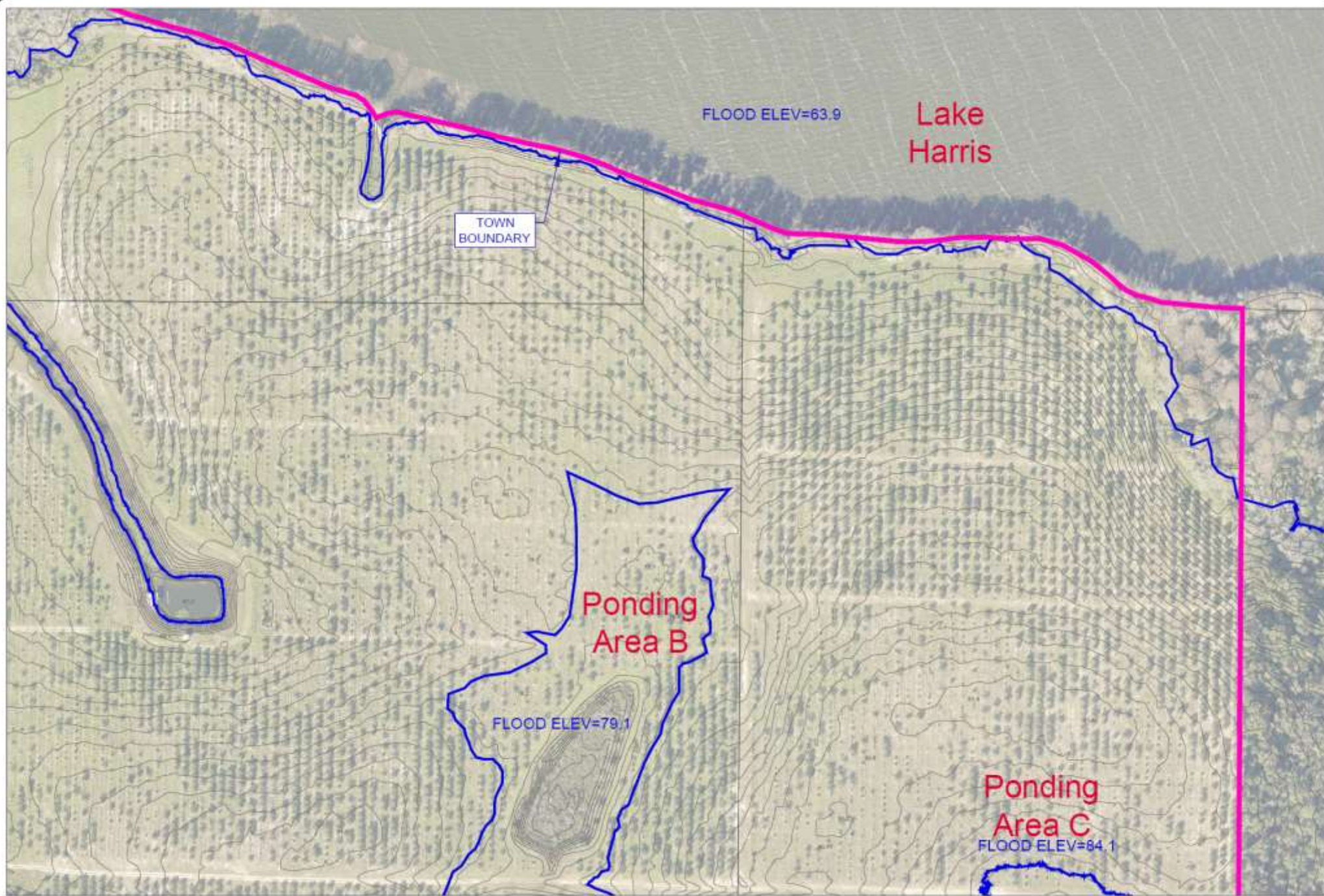
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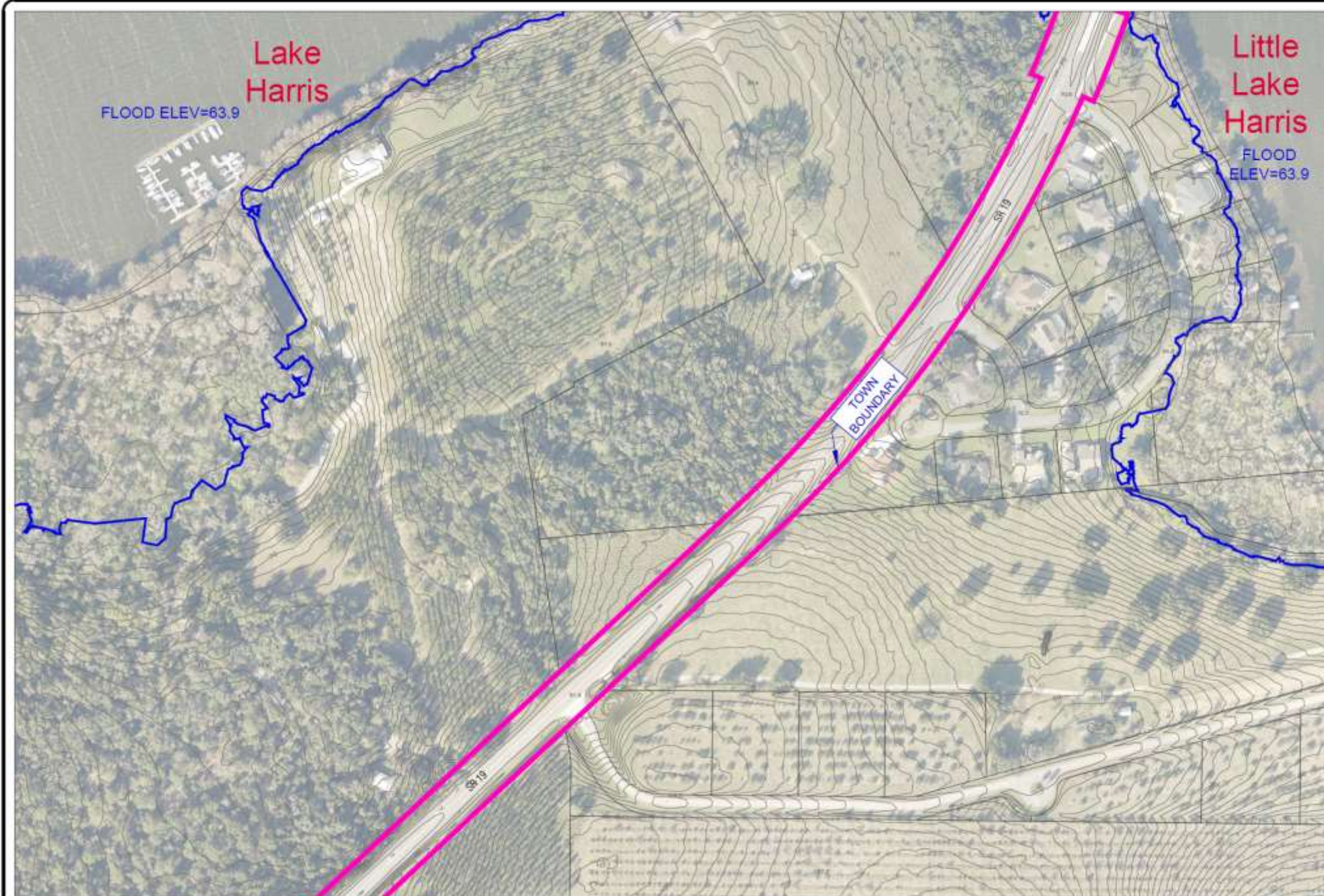


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STORMWATER MAP





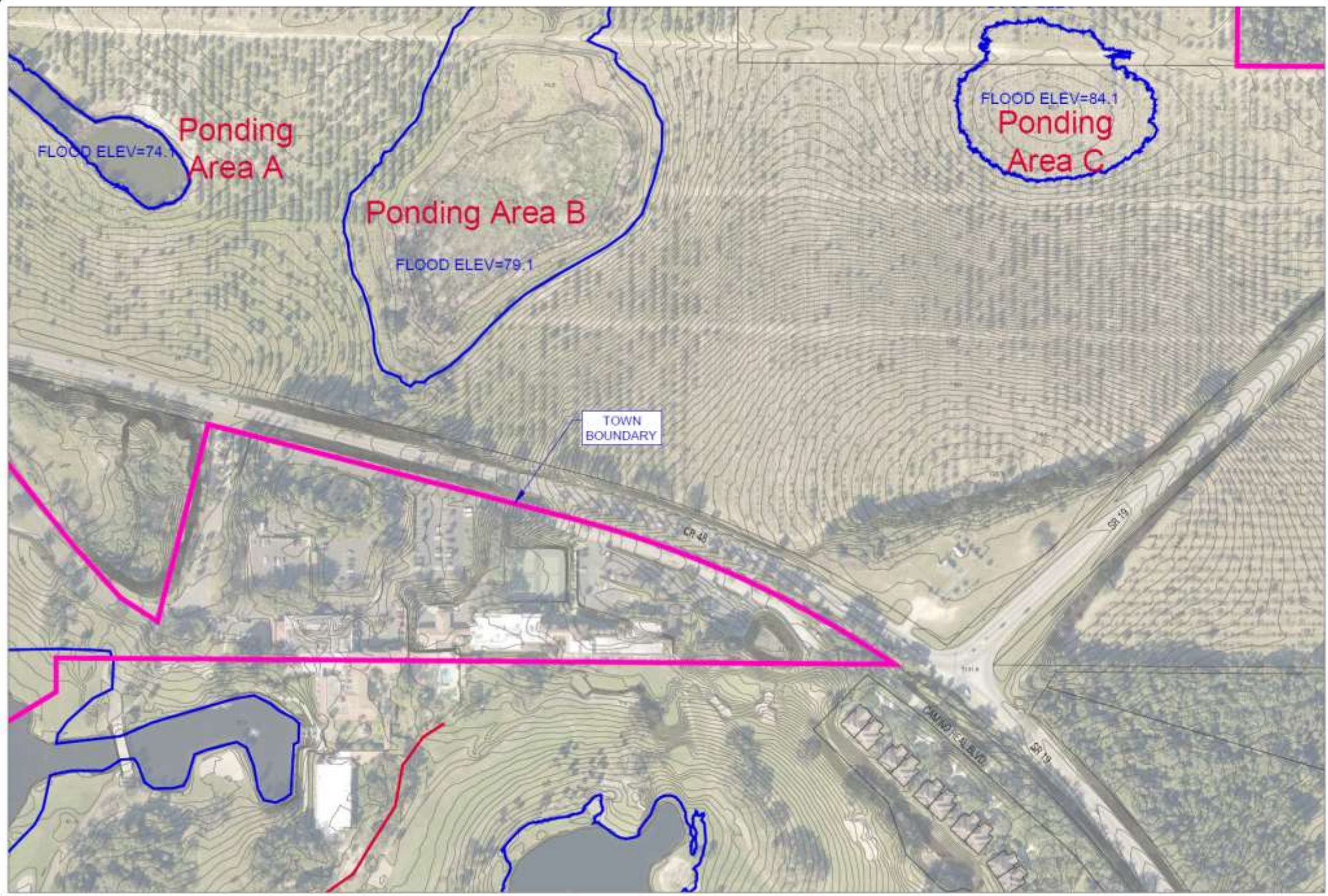




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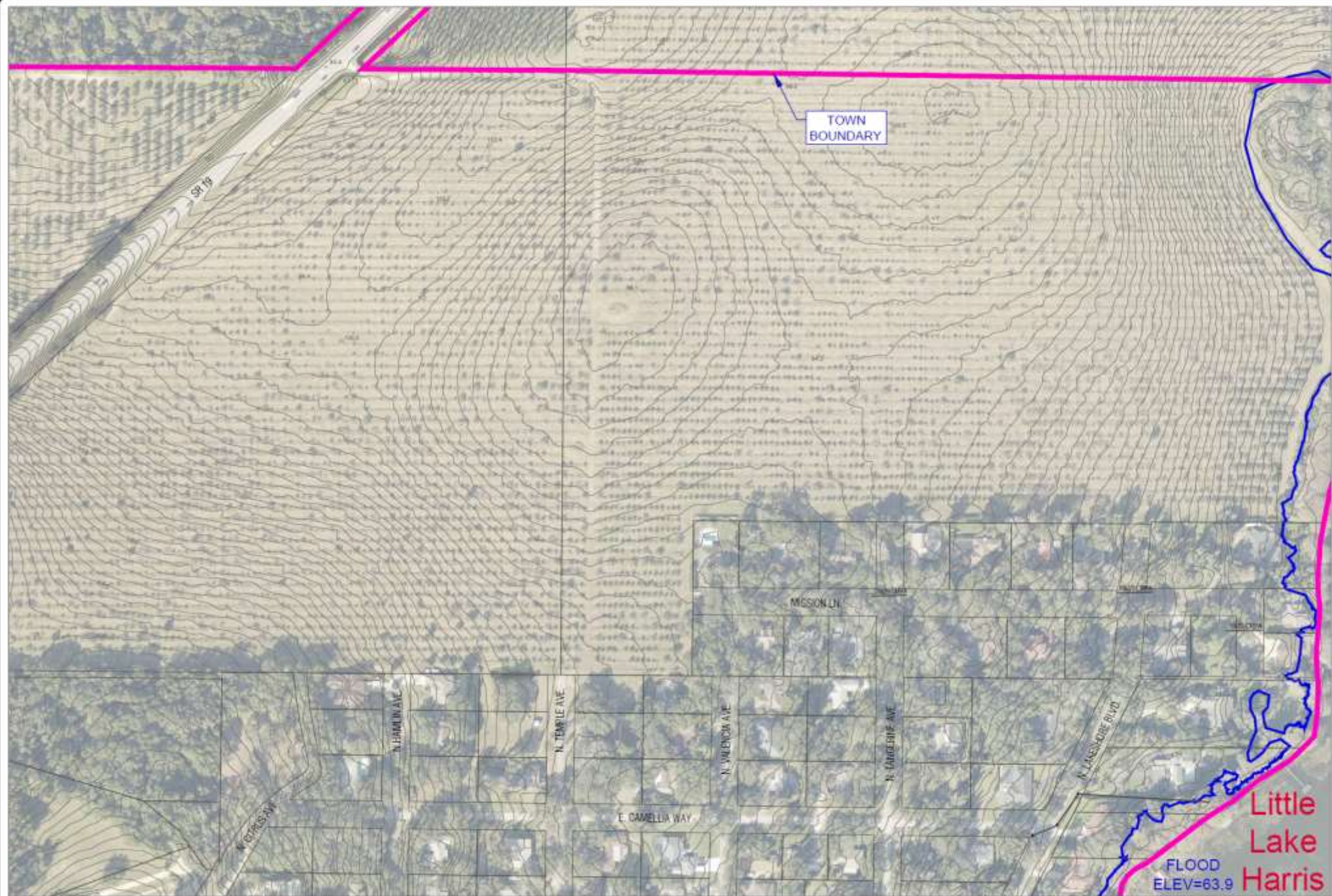
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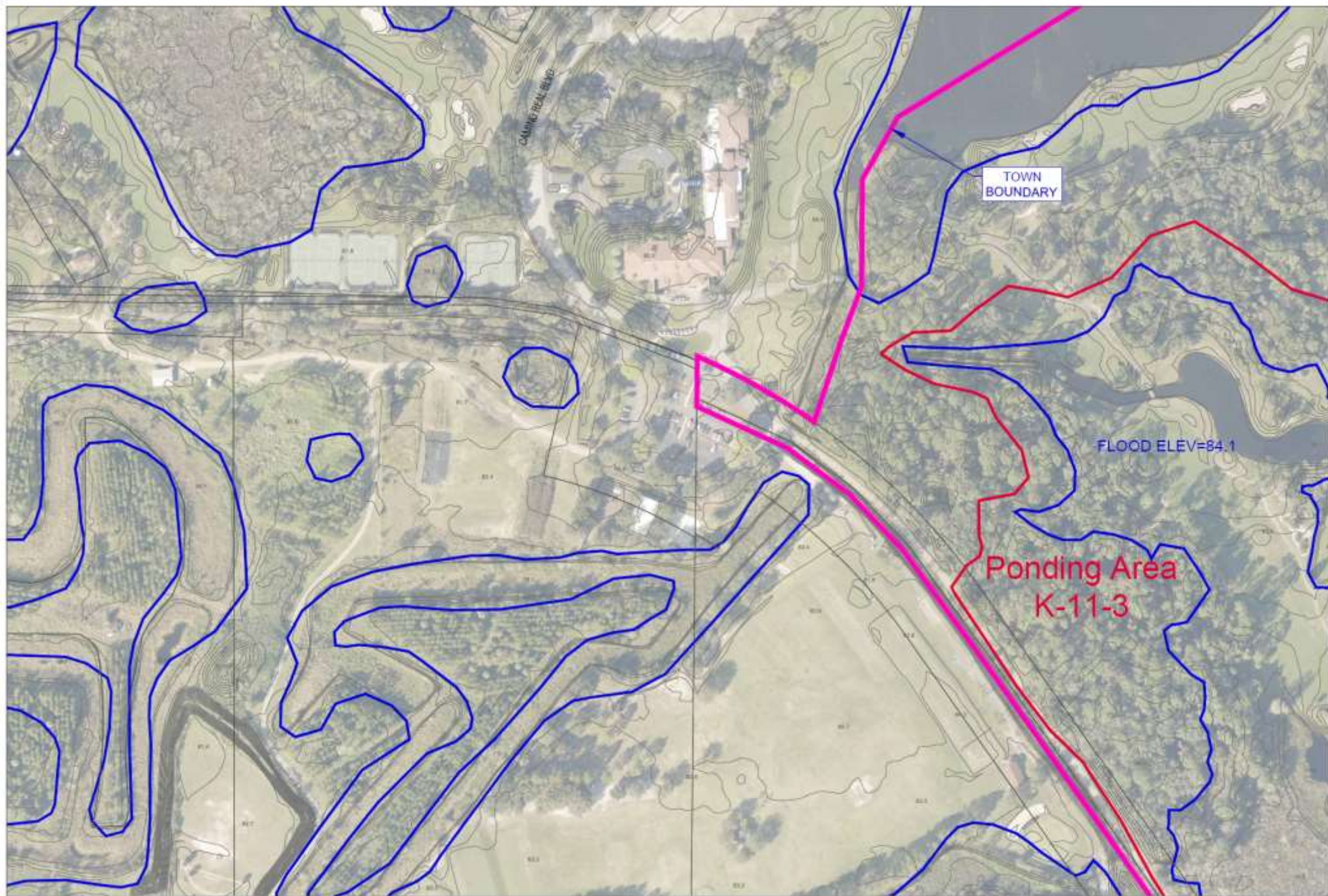




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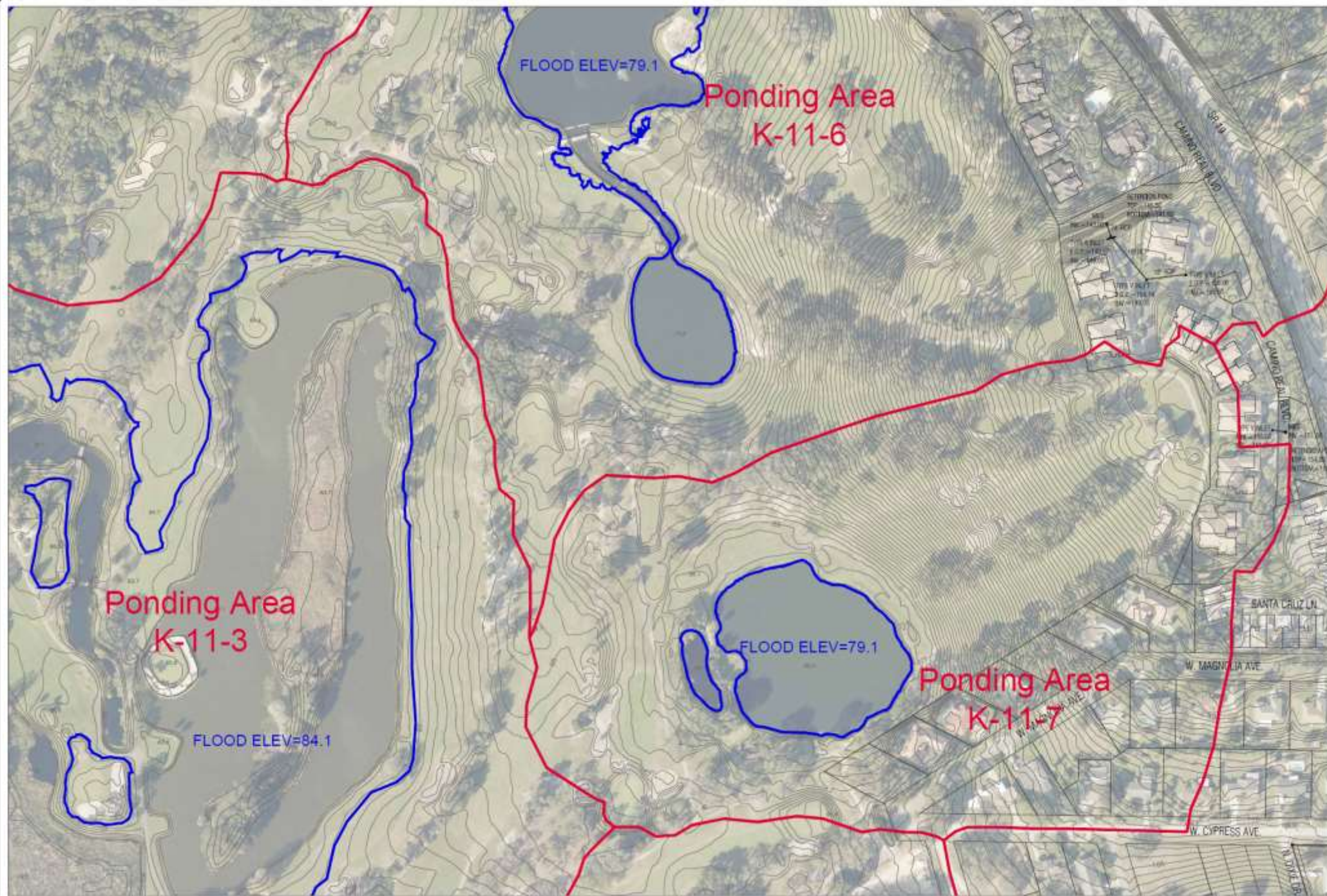






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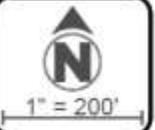




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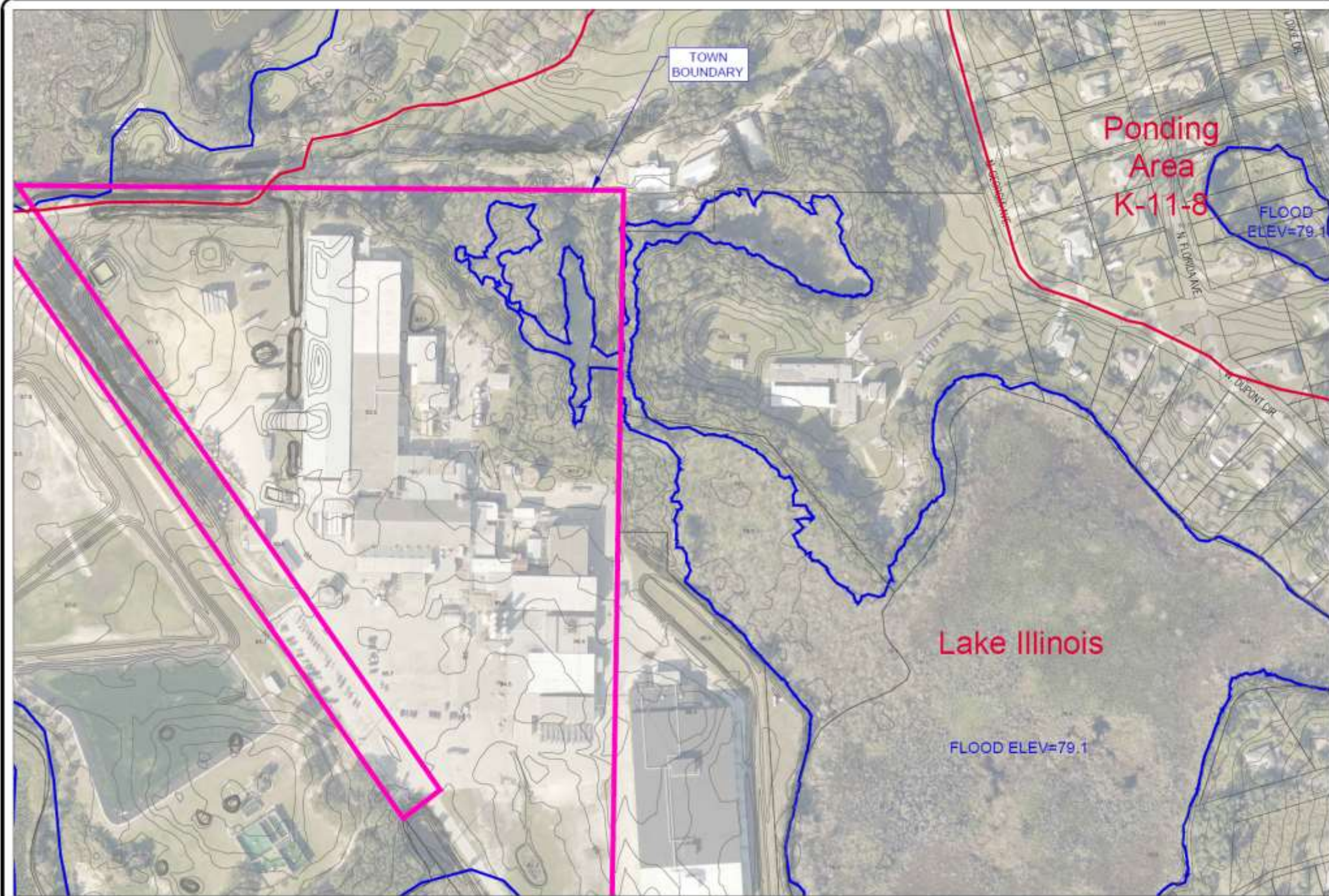
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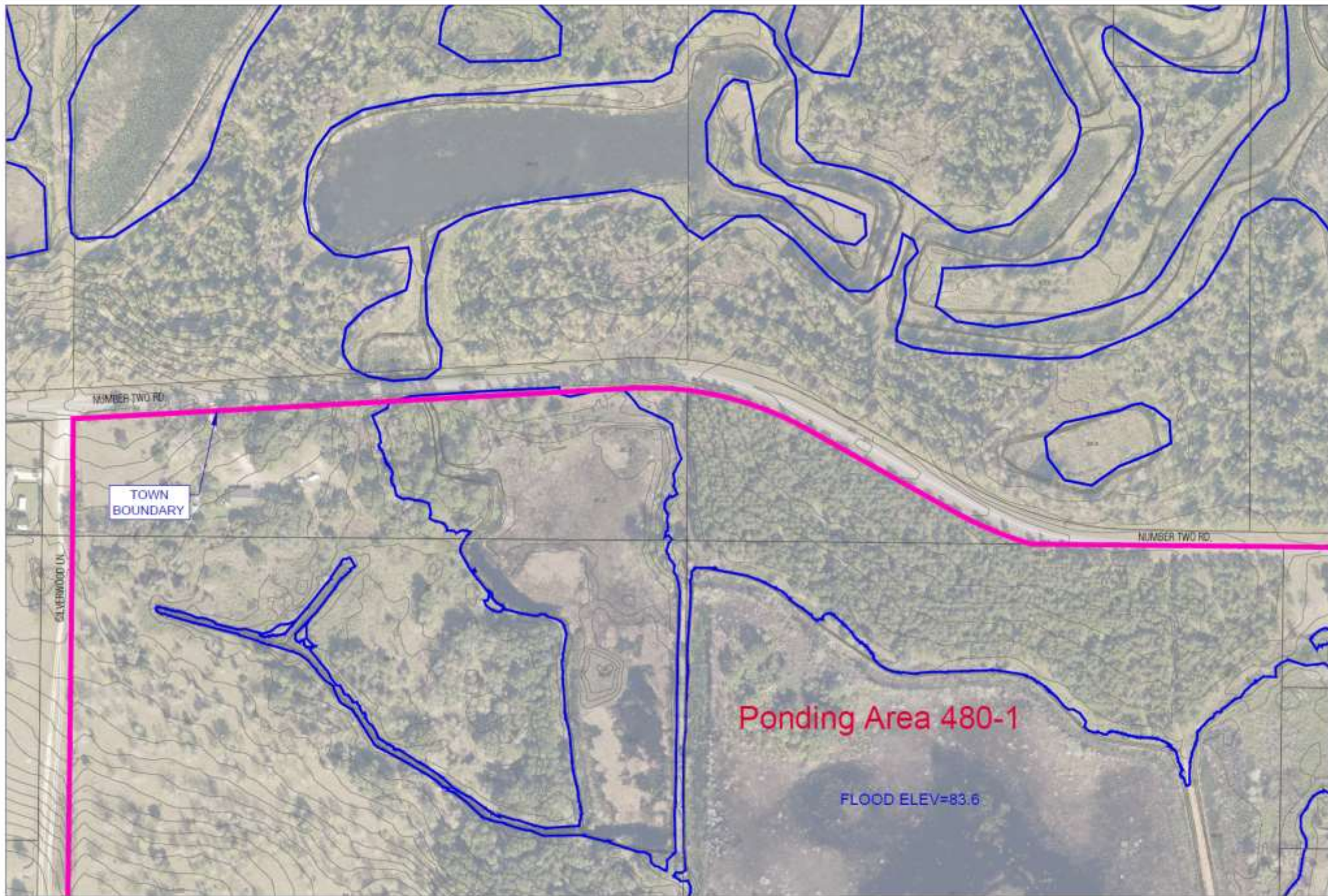


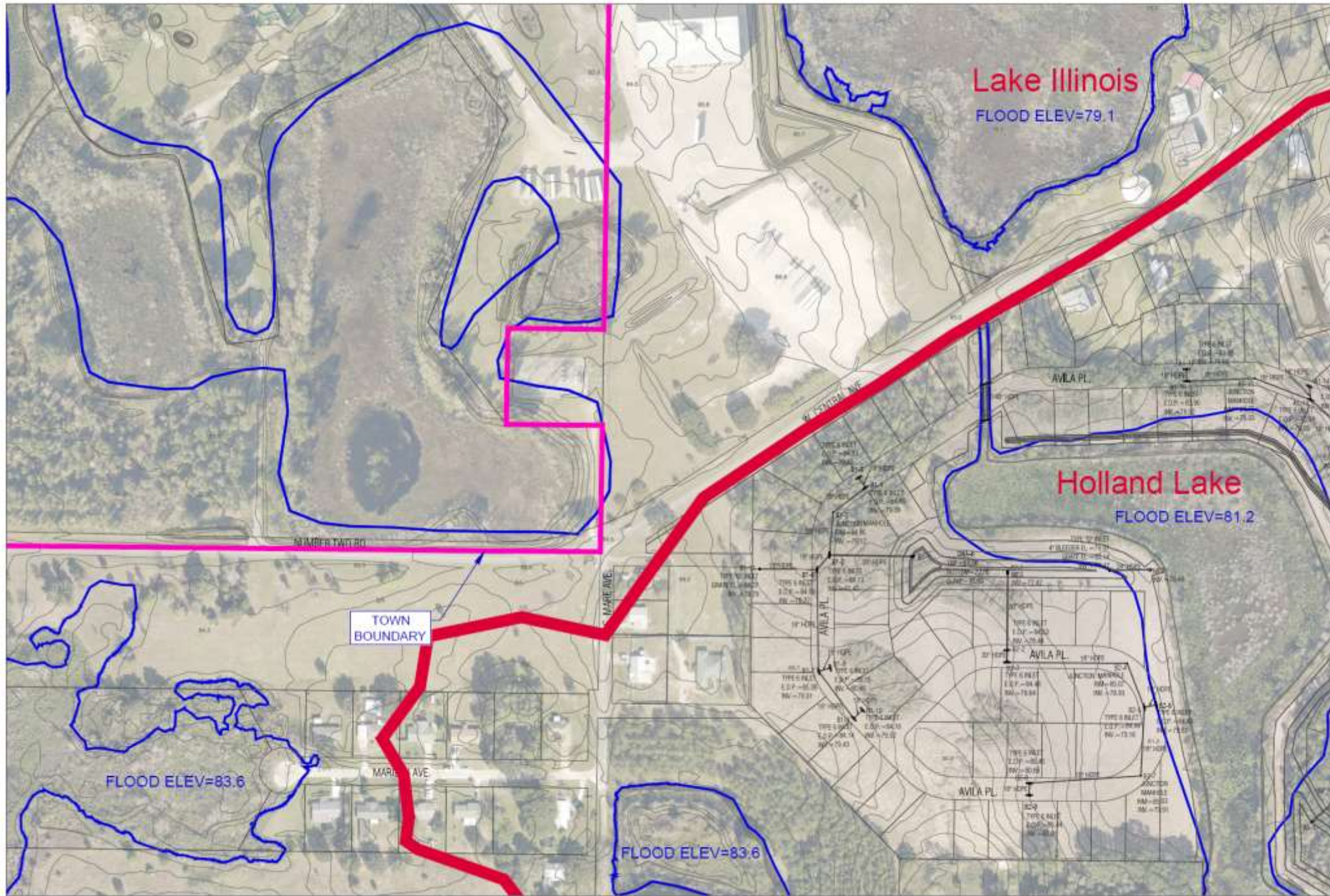
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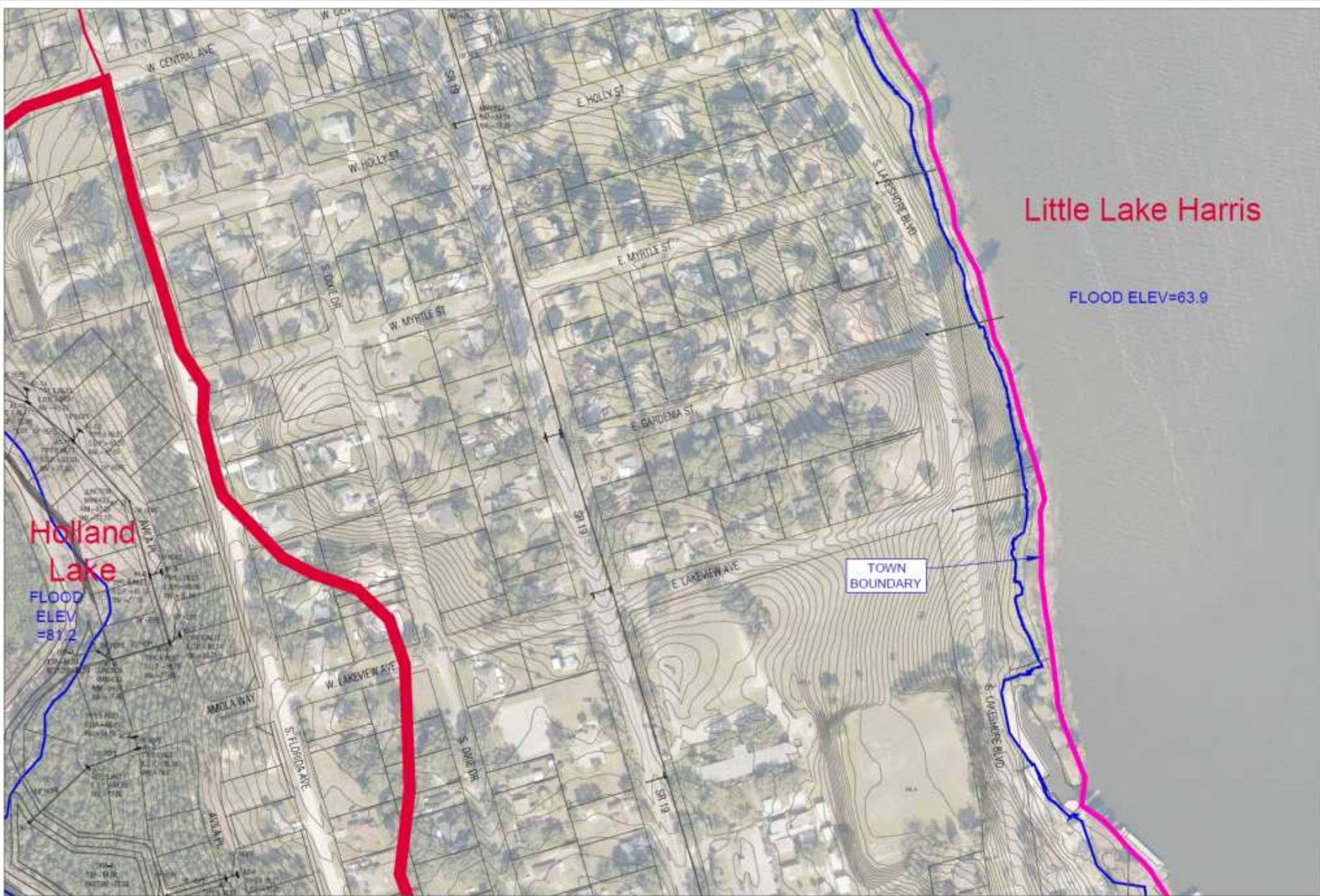




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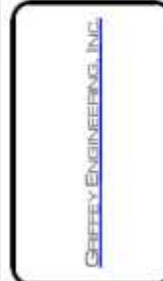
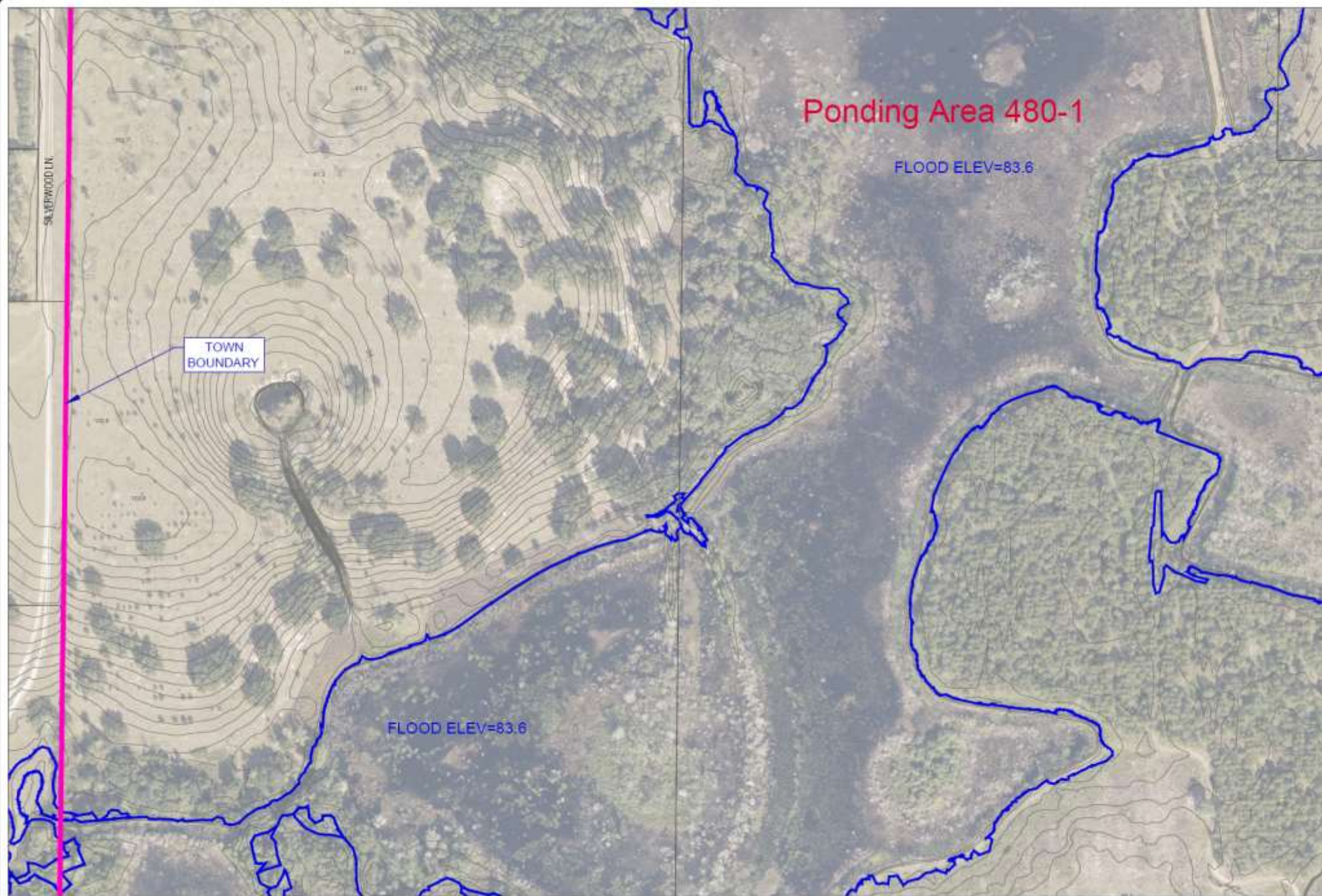
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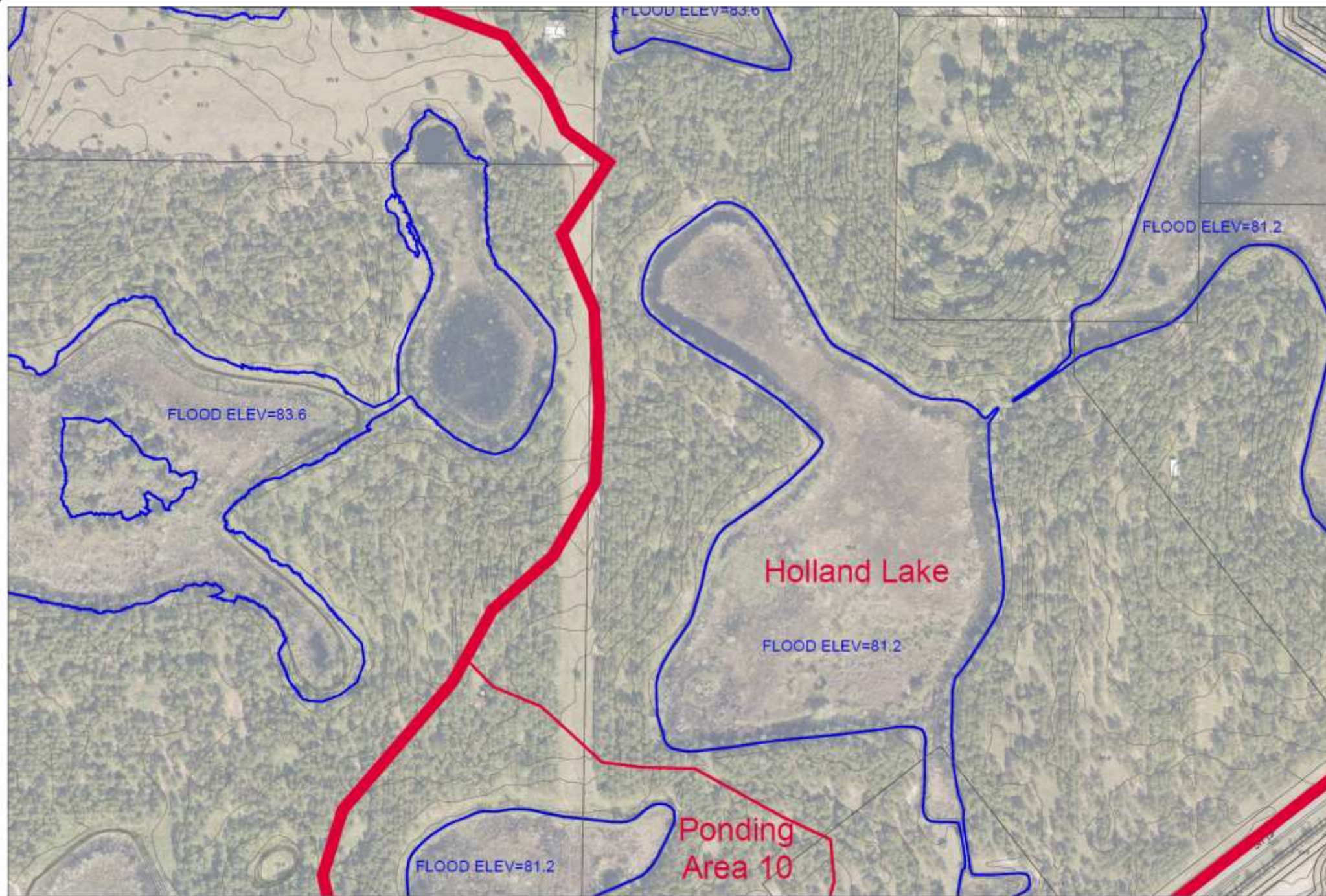




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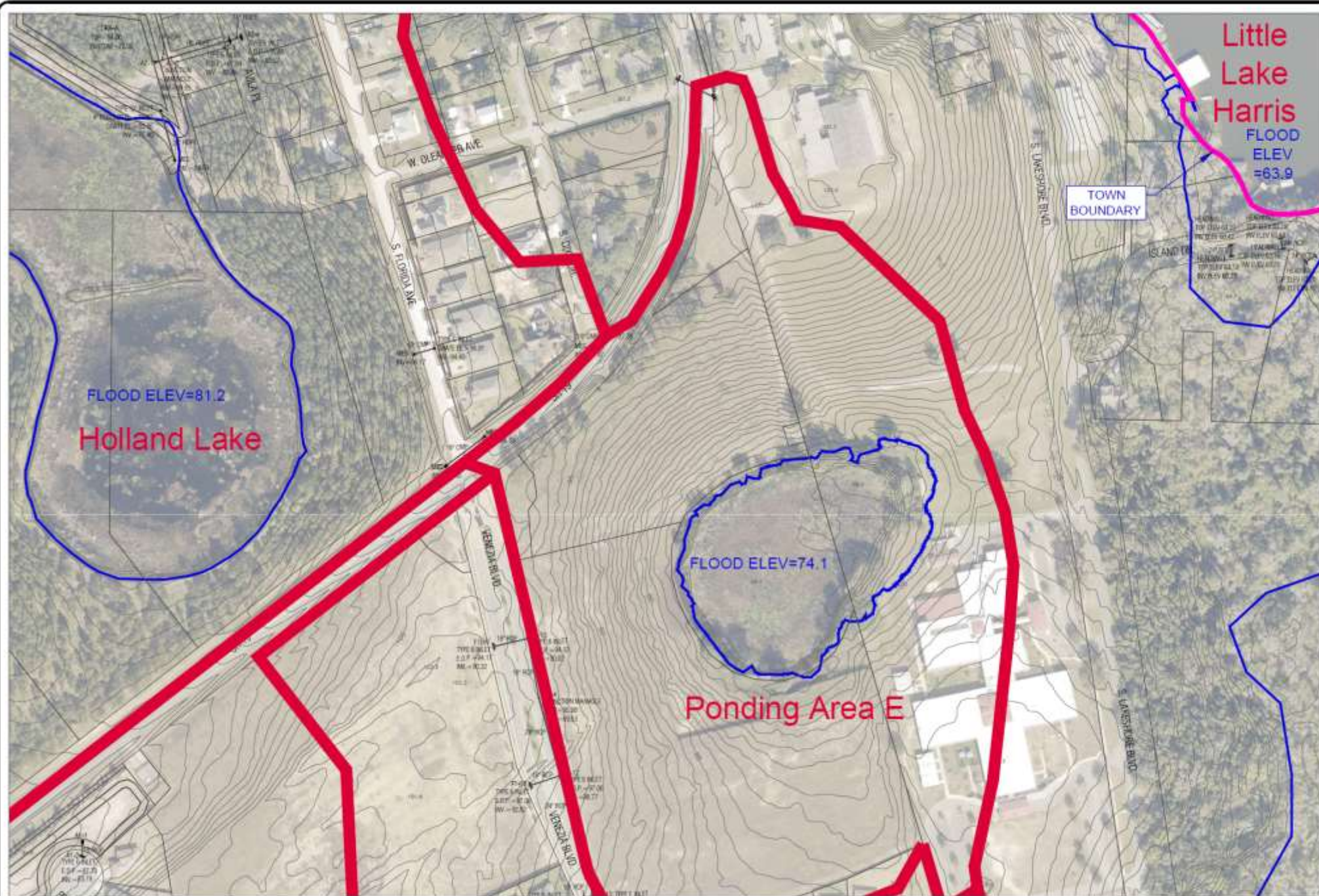






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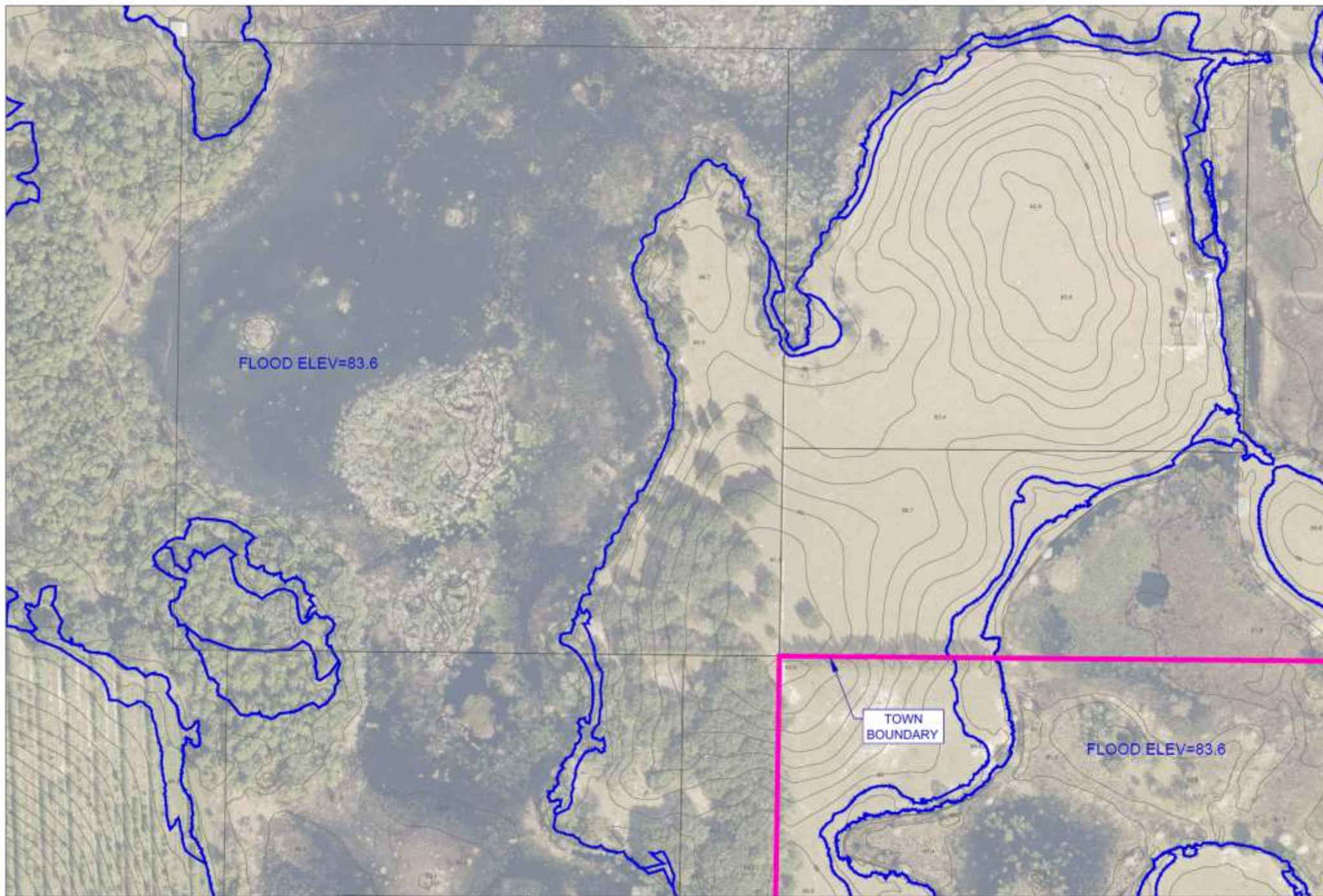


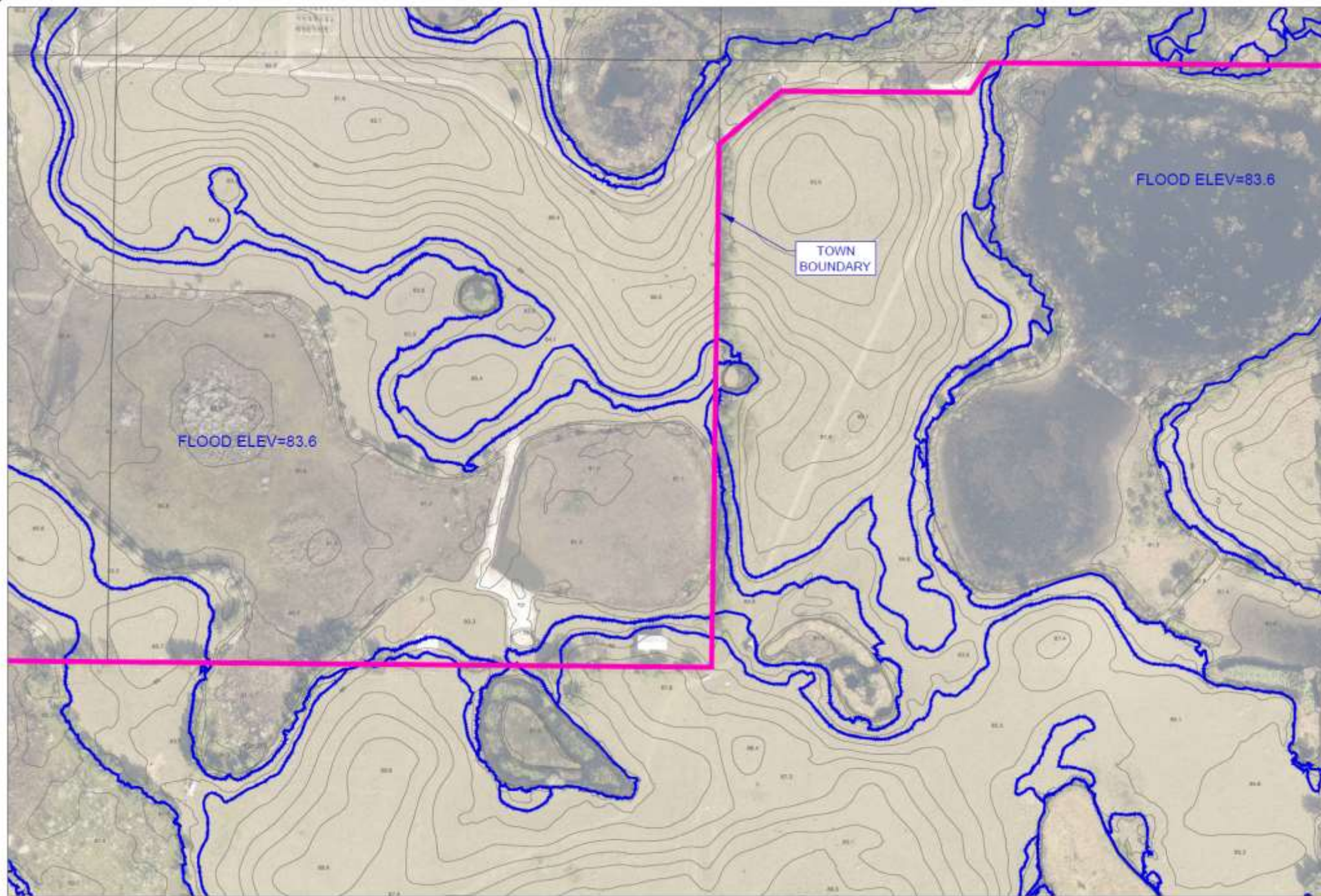


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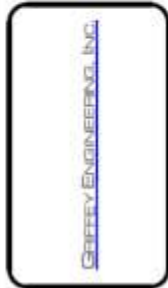
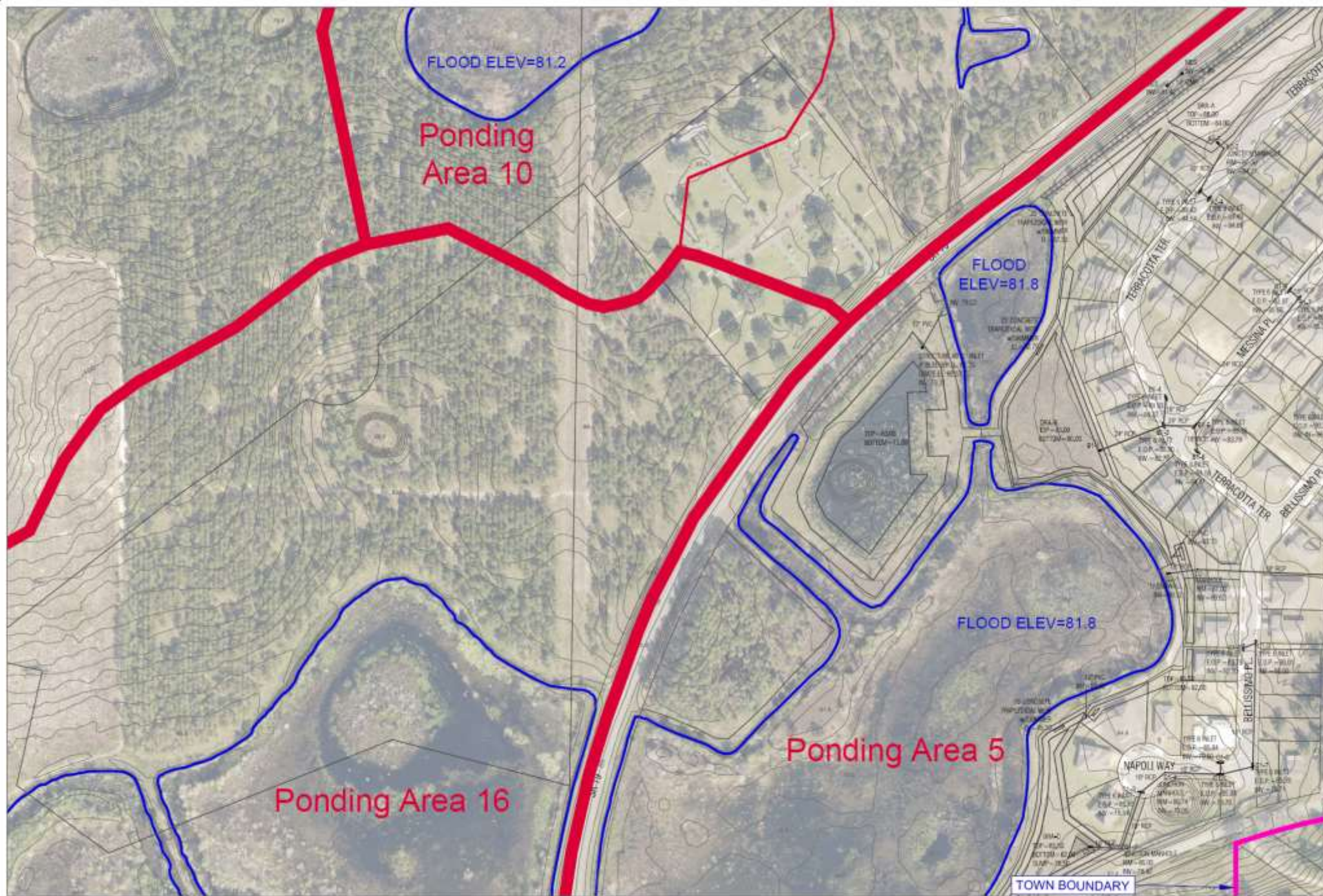
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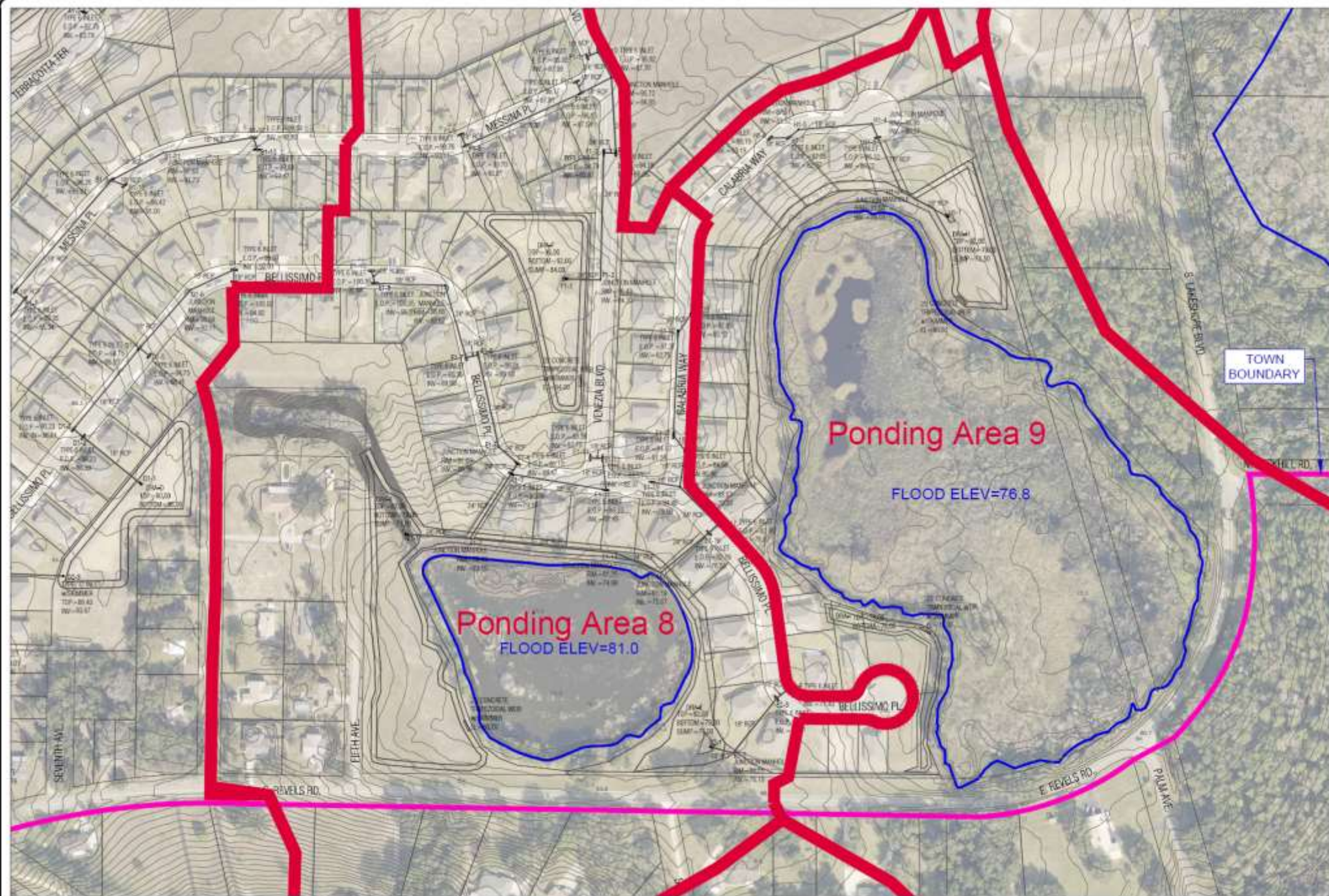
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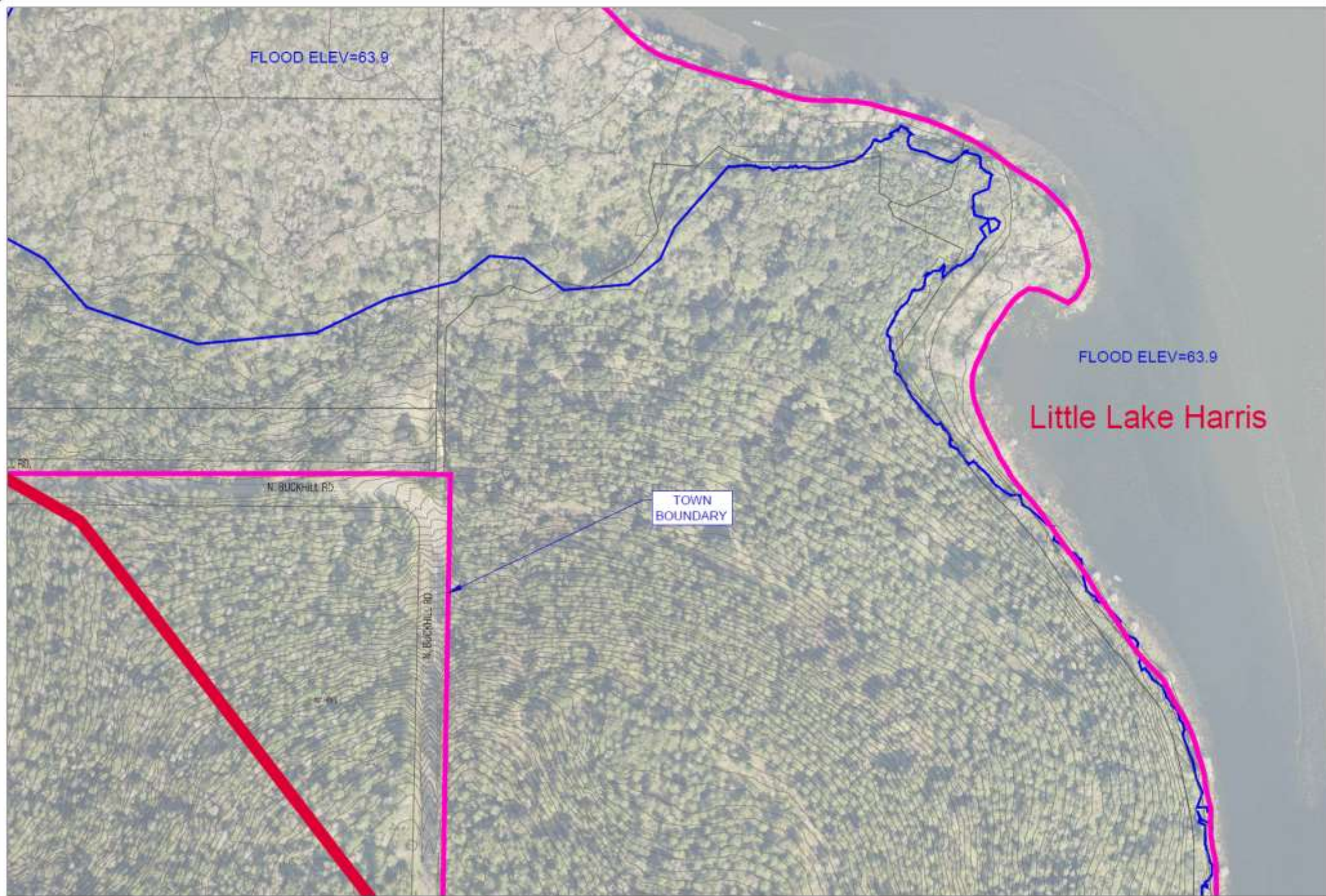


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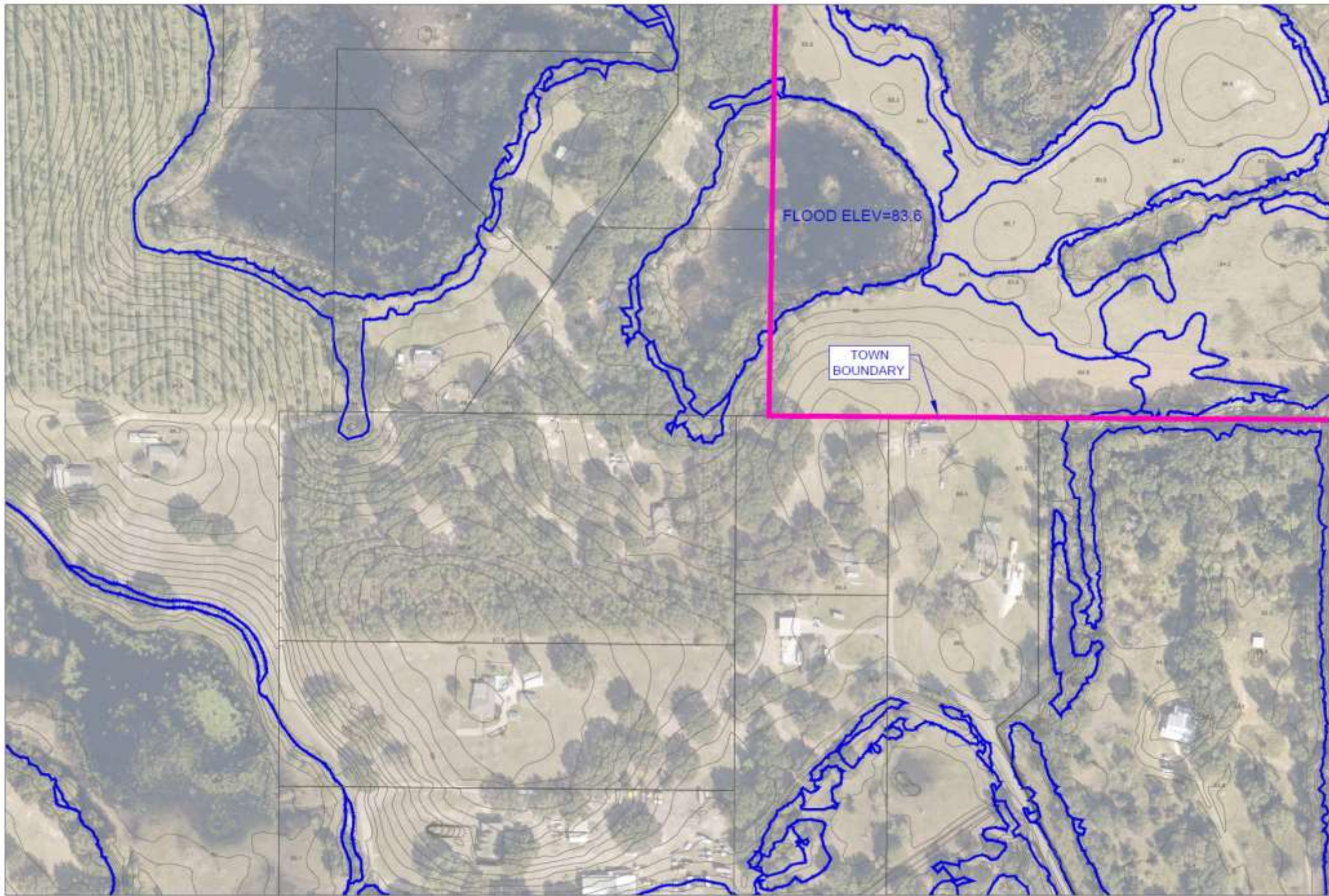
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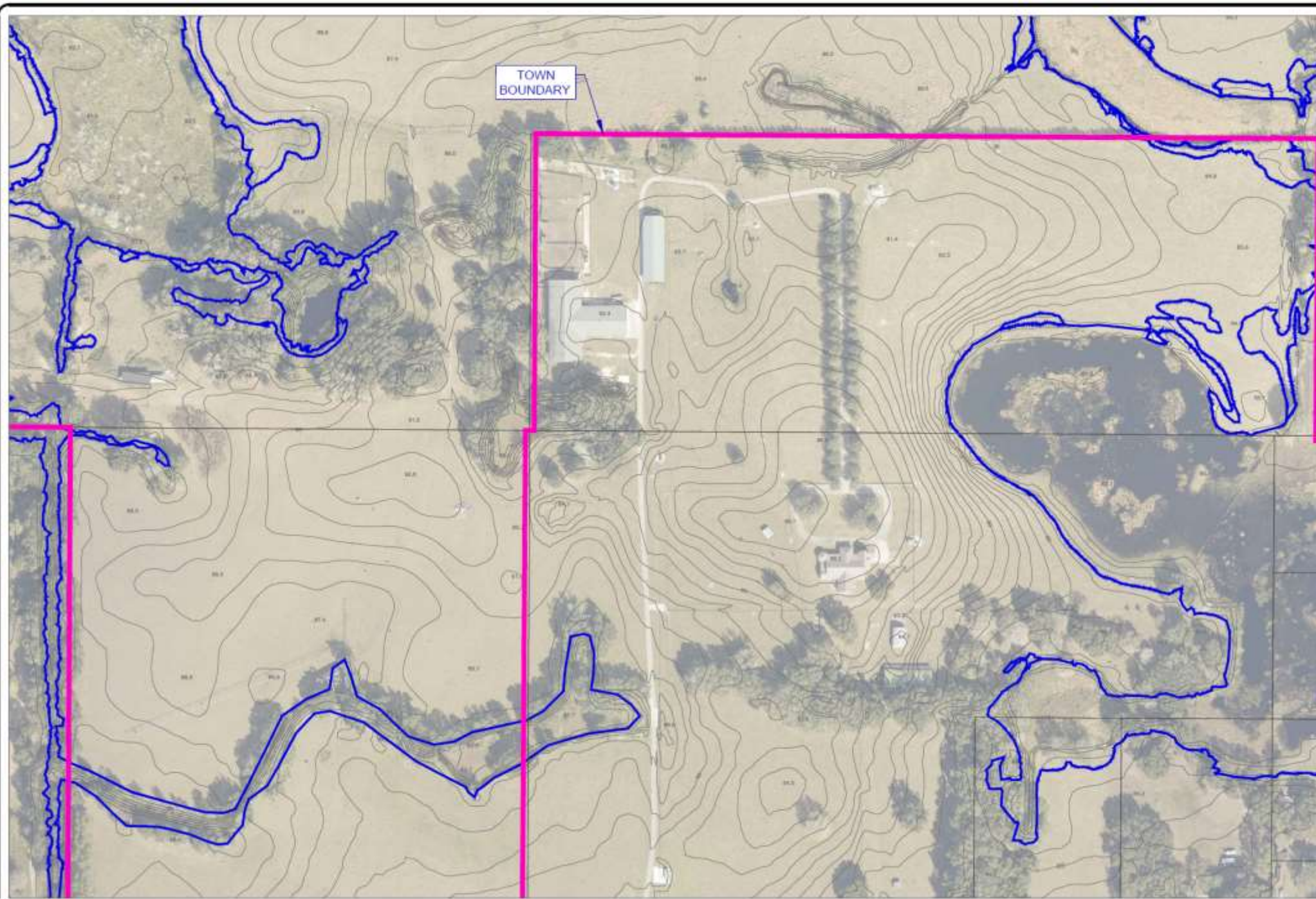


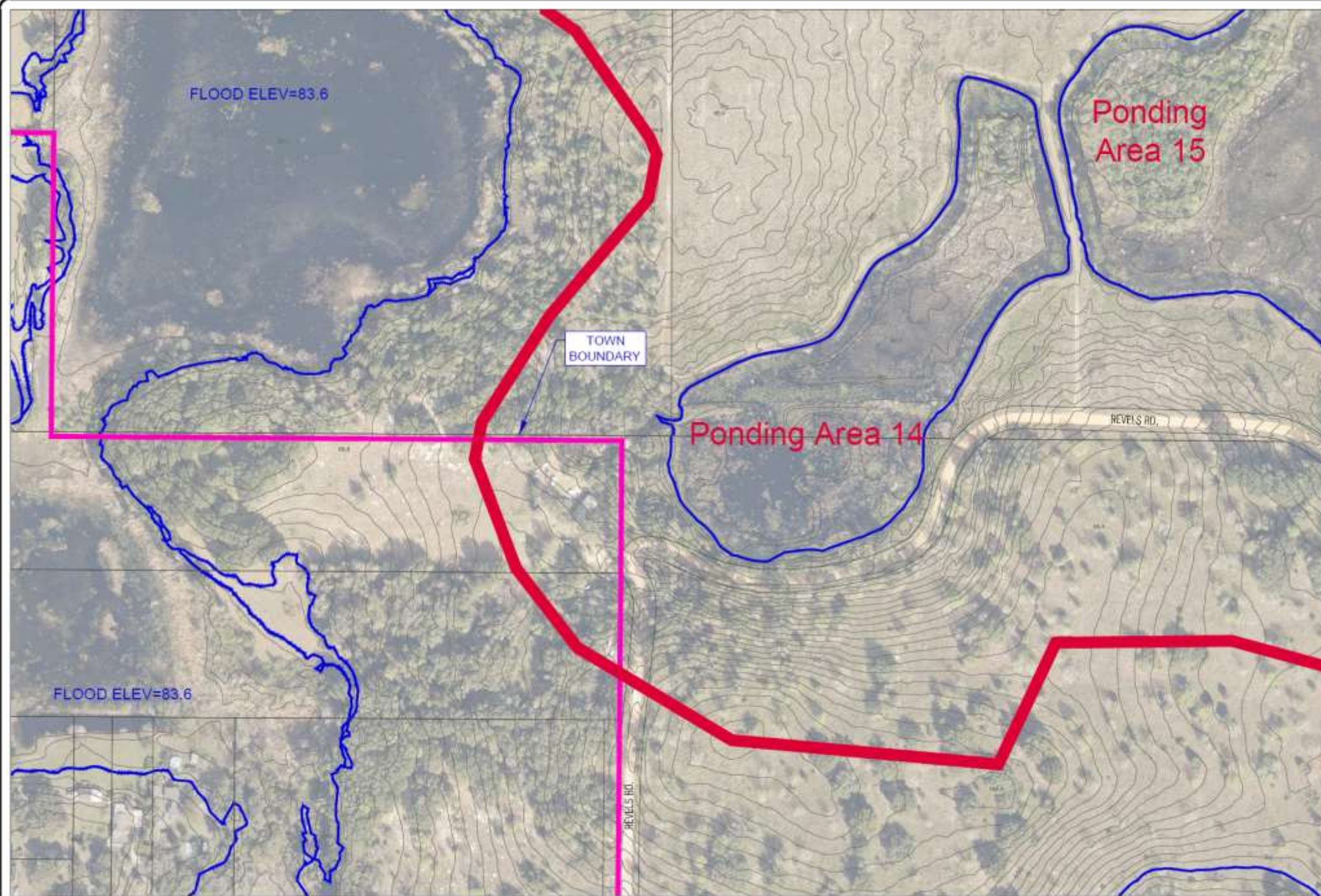
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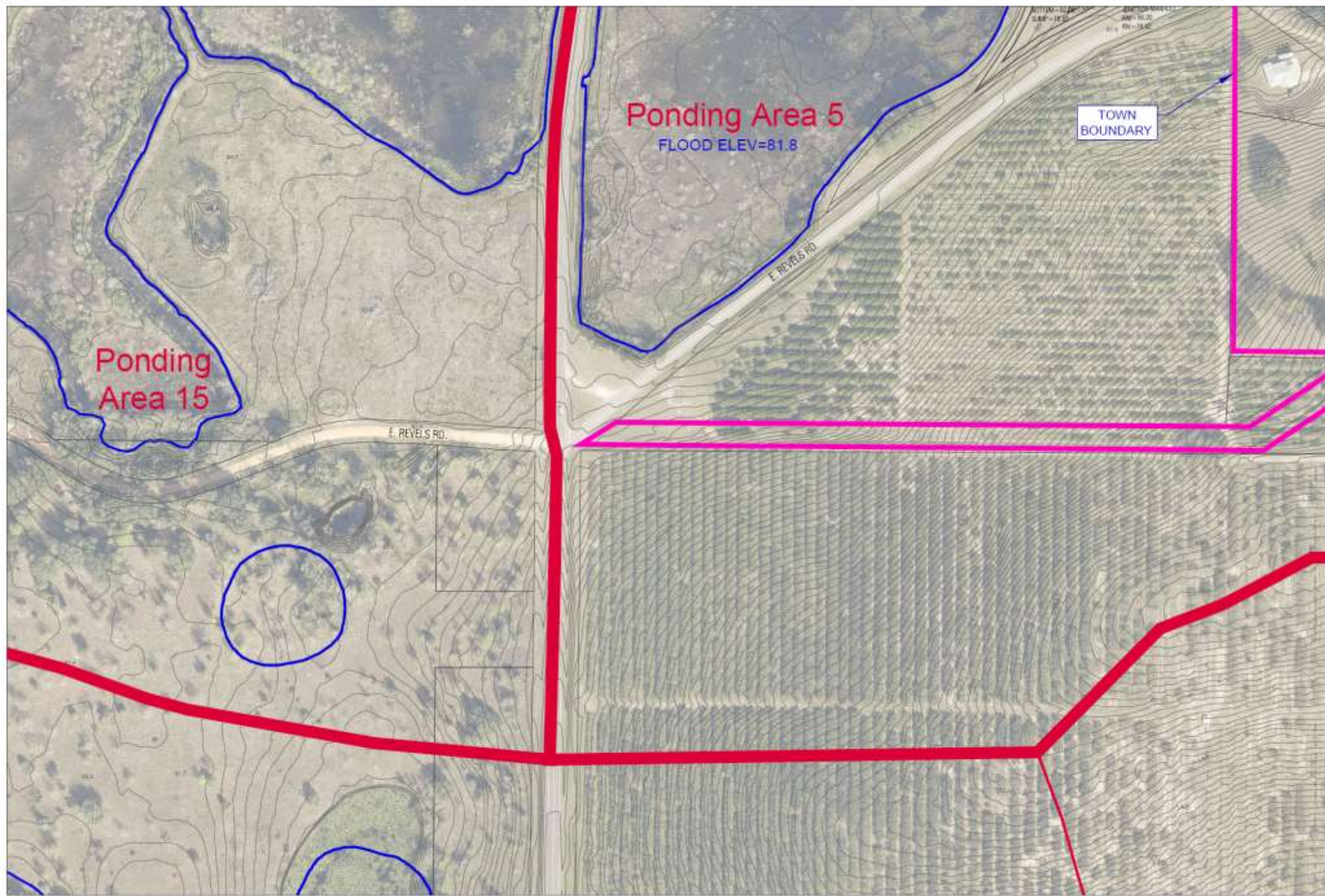


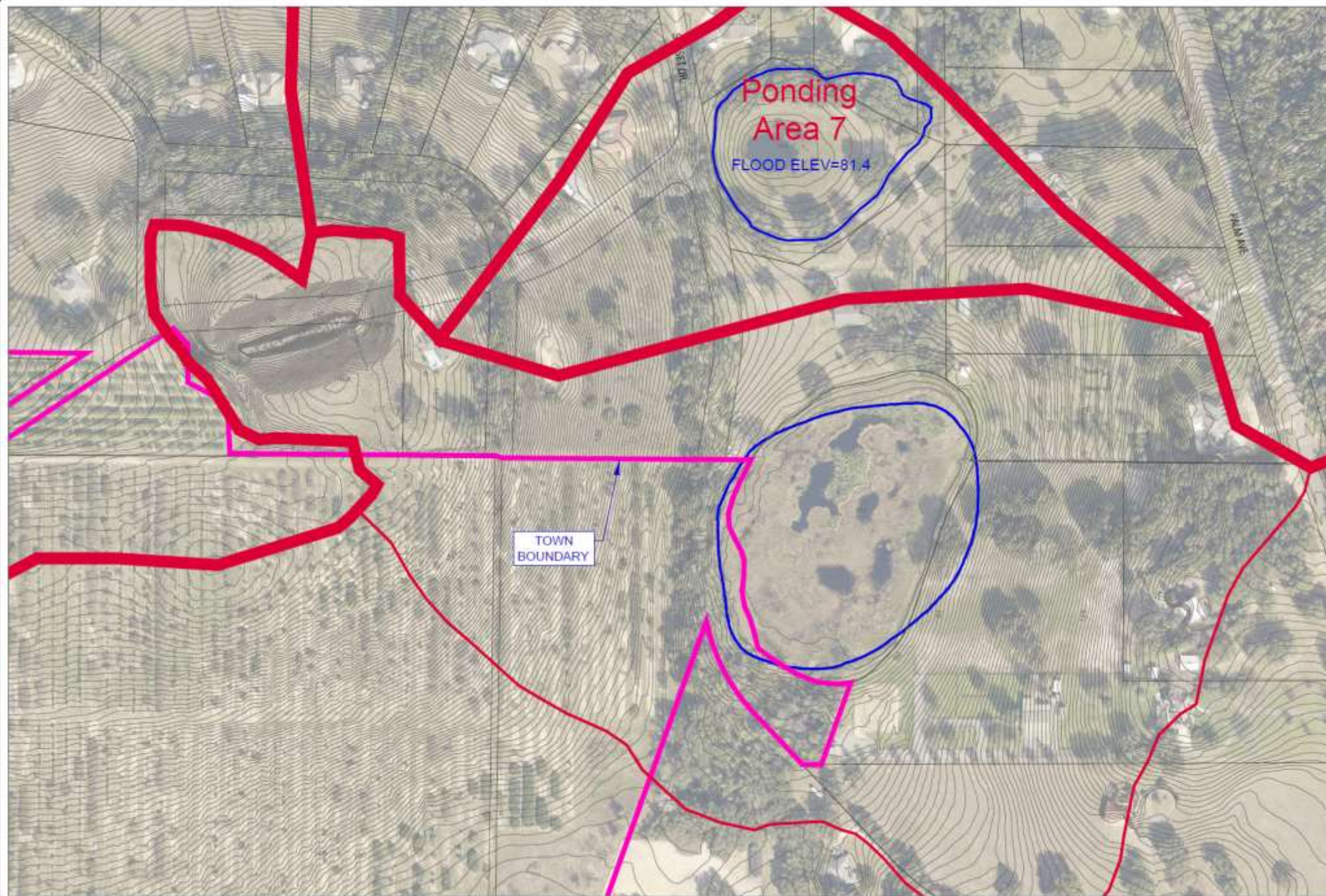


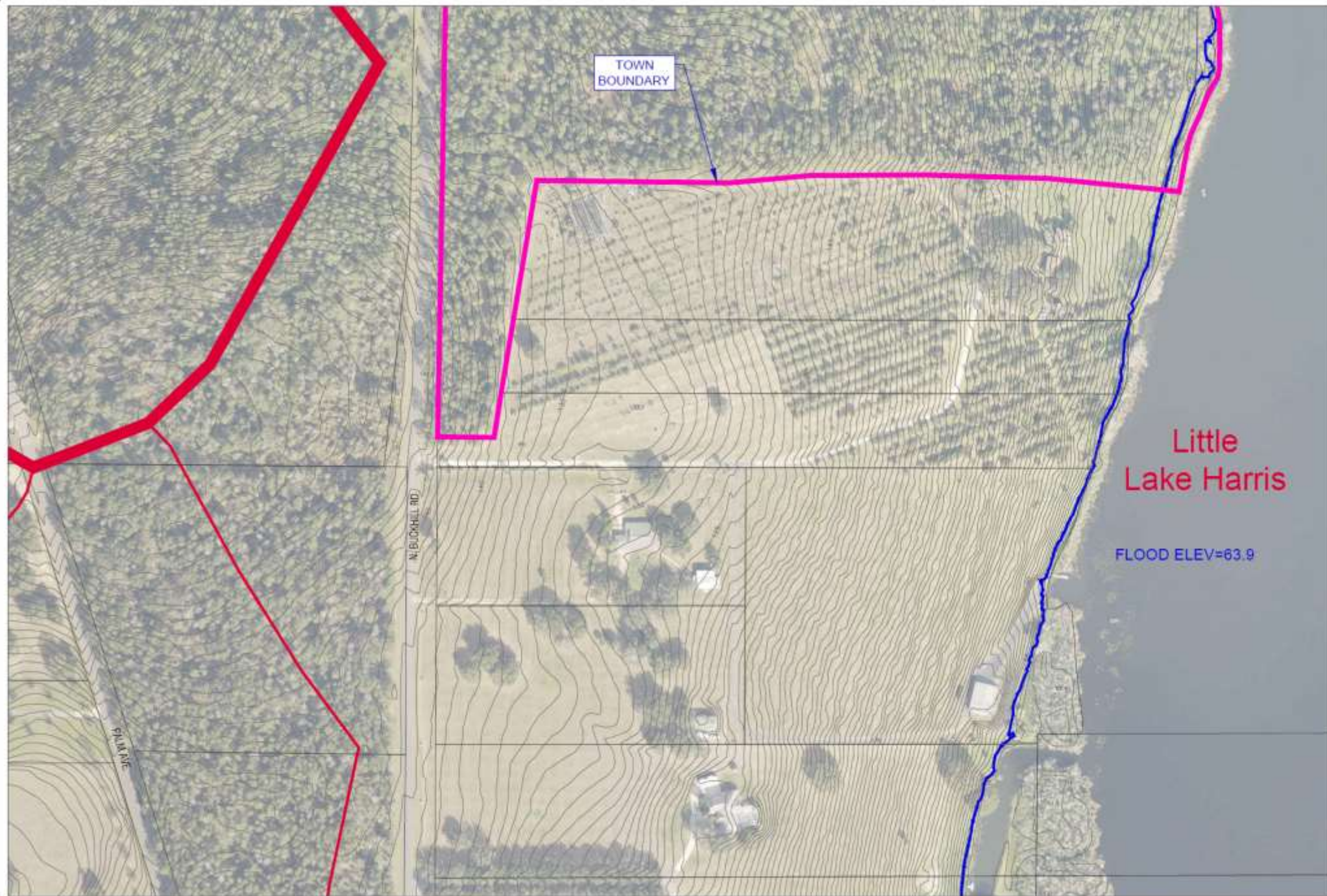


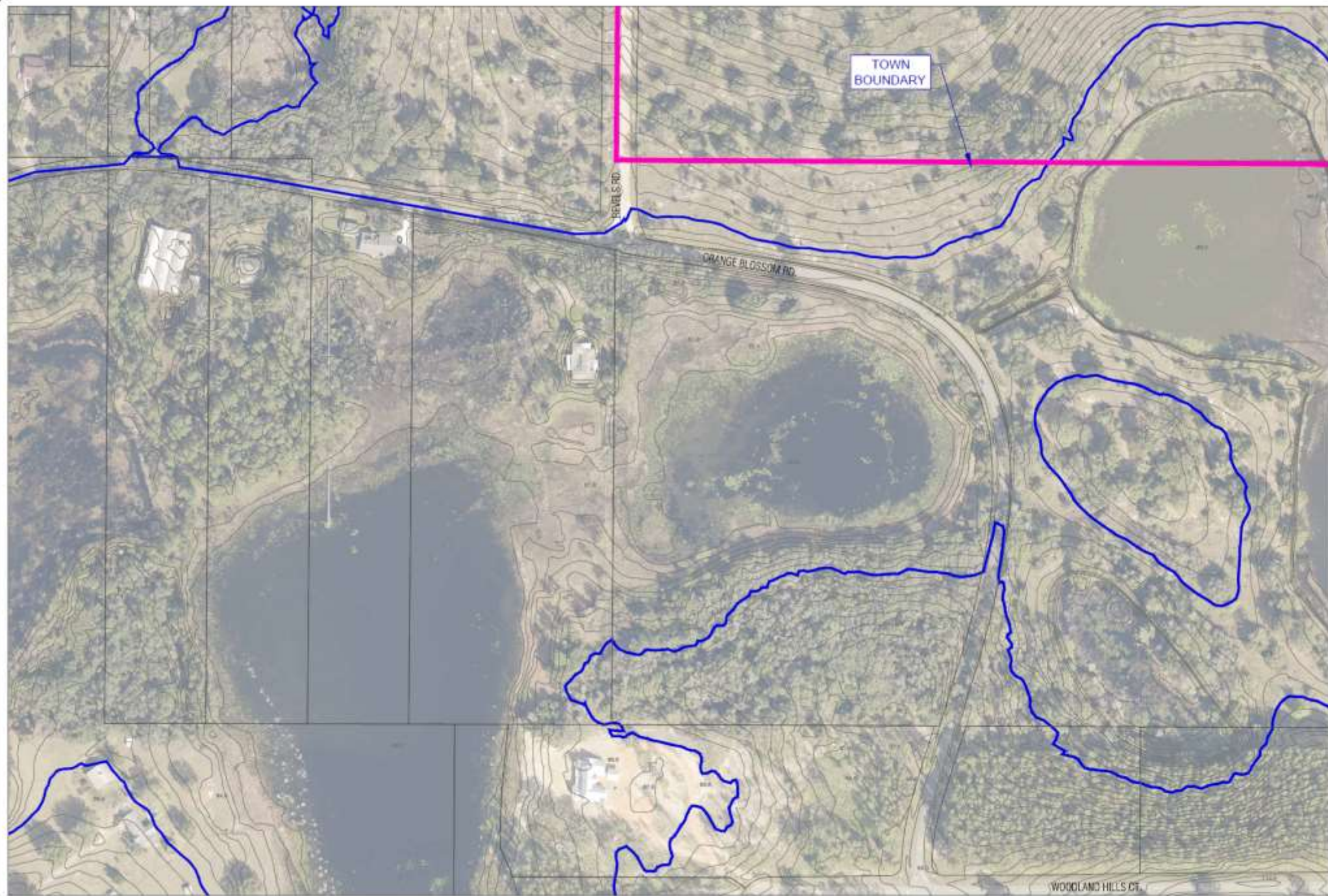
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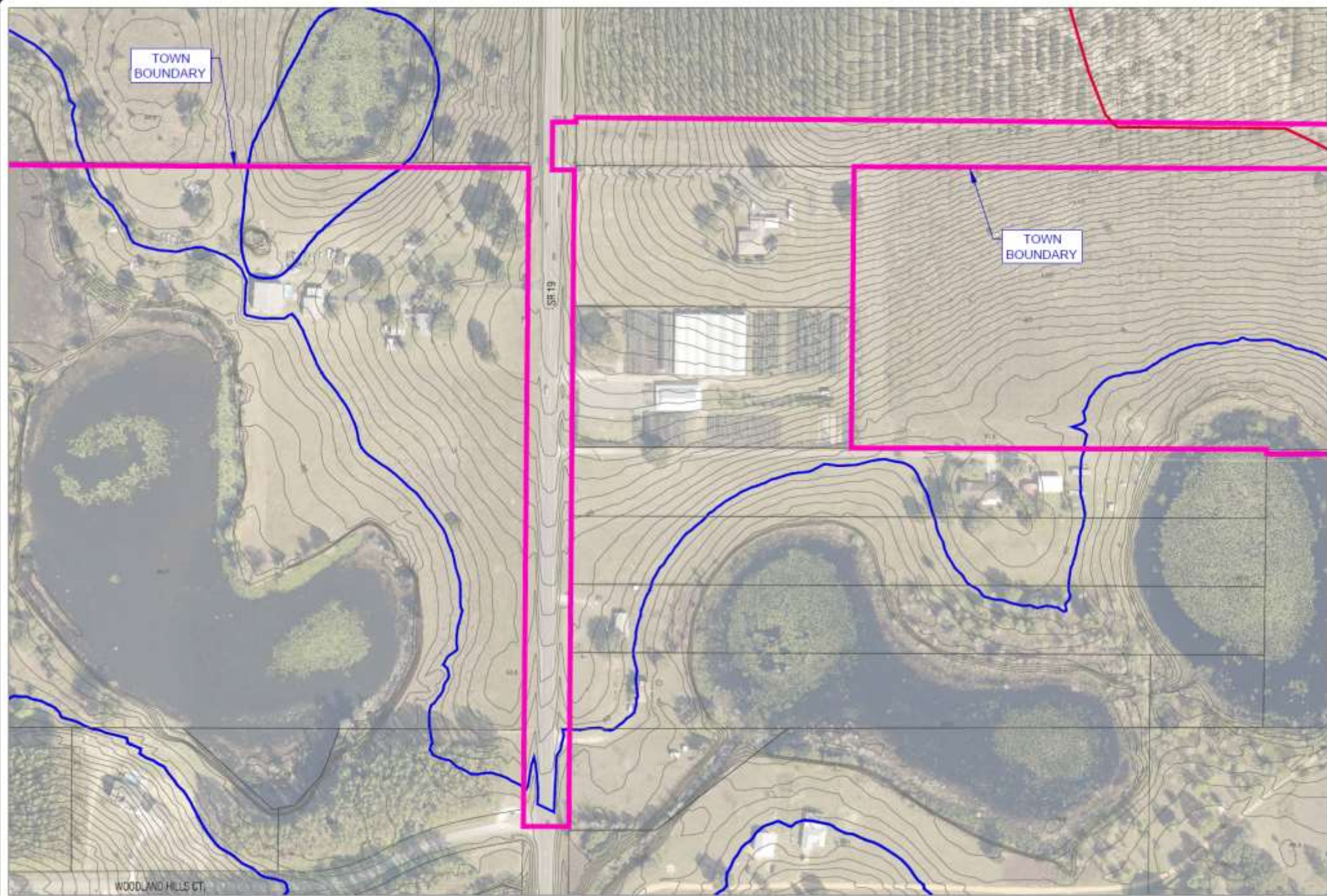








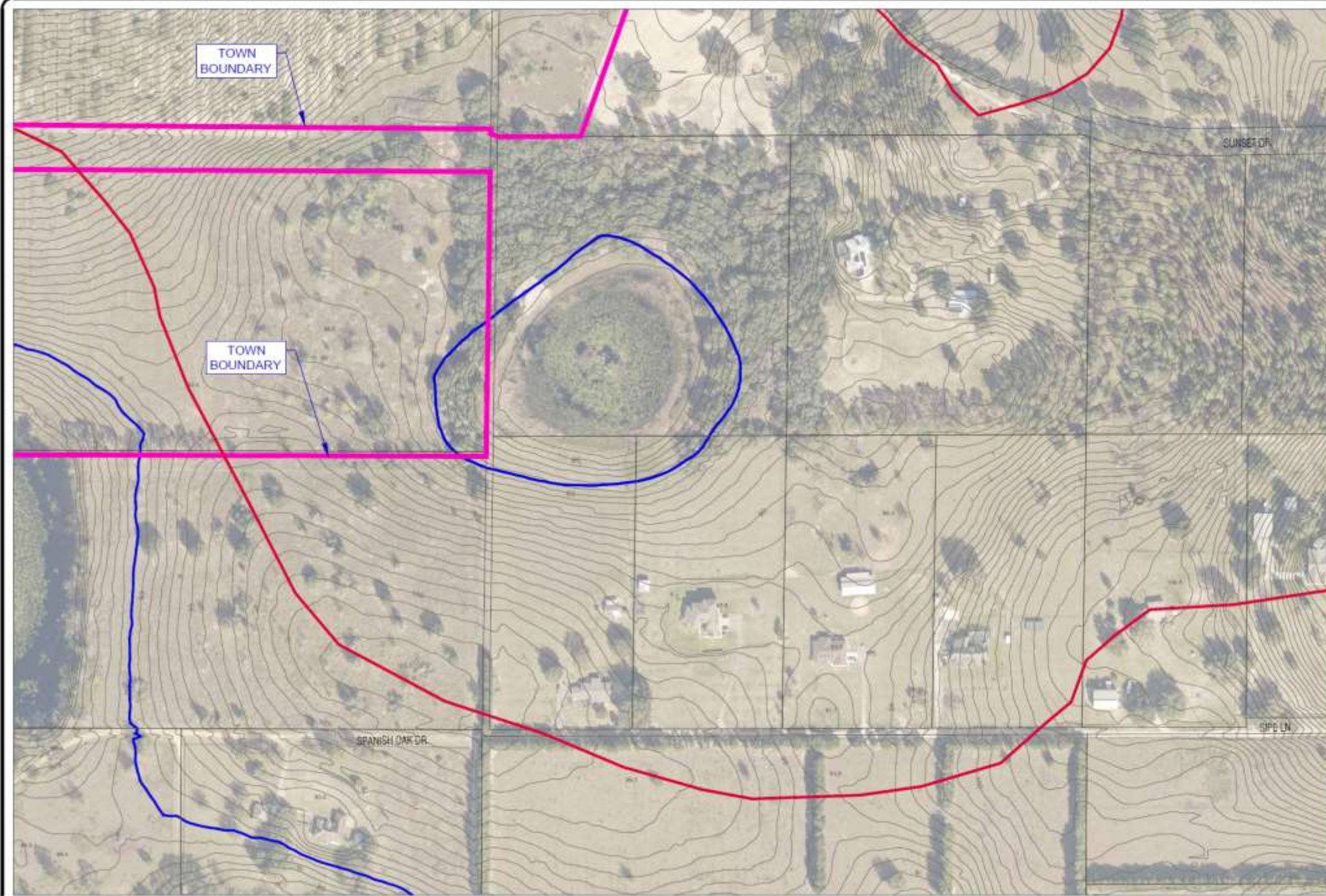




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*Still want to
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Contact us!



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Howey-in-the-Hills Website:

<https://www.howey.org/publicservices/page/stormwater>

