

**STATE OF DELAWARE**



**DEPARTMENT OF TRANSPORTATION**

**DESIGN-BUILD PROJECT**

**for**

**DESIGN-BUILD  
STATEWIDE PIPE  
REPLACEMENTS**

State Contract # T201607002  
Federal Contract # EBROS-2016(26)

**RFP**

**PART 1**

**PROJECT SCOPE**

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## **1 INTRODUCTION**

This Part 1 – Project Scope provides a summary description of the physical components of the Project that the Design-Builder shall design, construct, and/or install and the associated management, control, monitoring, compliance, and professional services and other elements of the Work.

The Design-Builder shall not rely solely on the description contained herein to identify all Project components to be designed, constructed, and/or installed. The Design-Builder shall determine the full scope of the Project through thorough examination of the Contract Documents and the Project Sites or as may be reasonably inferred from such examination.

The Design-Builder shall, for the generally described improvements, perform all design engineering and analysis; provide construction engineering and inspection services; provide quality control services; and furnish, construct, and/or install all materials and components of the Project required to meet the requirements of the Contract Documents.

## **2 PROJECT GOALS**

The following are the Department's goals for the Project:

- a) Provide high quality, innovative, and cost efficient design and construction;
- b) Improve existing pipe culvert crossings by replacing severely corroded corrugated metal pipe culverts;
- c) Provide culvert hydraulic capacity to meet current design standards;
- d) Minimize the duration of construction;
- e) Minimize impacts to traffic during construction;
- f) Avoid or minimize impacts to Utilities;
- g) Minimize impacts to adjacent properties;
- h) Protect the environment through appropriate application of erosion and sediment controls, hydraulic design, stream stabilization and maintenance of stream flow techniques; and
- i) Utilize D-B team's knowledge and experience to minimize the Department's involvement in the project development and construction processes.

## **3 PROJECT DESCRIPTION AND IMPROVEMENTS**

The project involves the replacement of thirty-one (31) severely corroded corrugated metal pipe culverts located throughout the state.

It is the Department's intent for the Design-Build team to complete all thirty-one sites. However, the Department reserves the right to delete any location at its discretion.

The Scope of Work shall include all work required to support the proposed improvements, unless specifically excluded by the Contract Documents, including but not limited to:

- a) Roadway horizontal and vertical geometrics;
- b) Paving;
- c) Signing and pavement markings;
- d) Roadside safety appurtenances;
- e) Drainage, stormwater management, stream stabilization and erosion and sediment controls;
- f) Maintenance of stream flow; and
- g) Work zone traffic controls for all road users.

The Design-Builder shall perform elements of Work in association with the design and construction of the physical components of the Project, including but not limited to:

- a) Design and construction management;
- b) Coordination with Project stakeholders and other contractors adjacent to the Work (if any);
- c) Design Quality Control and Design Review;
- d) Construction Quality Control;
- e) All environmental investigations, permitting and monitoring associated with or resulting from the Design-Builder's actions;
- f) All engineering (including, but not limited to, supplemental geotechnical investigations) in addition to that provided by the Department;
- g) Construction waste disposal and handling;
- h) Required clearances, licenses, construction easements, and permits for the Design-Builder's Work, Work sites, and storage areas on- or off-site;
- i) All ancillary Work, such as, access roads, driveways, temporary fencing, relocation of drainage, Work sites, and temporary Work;
- j) Location, acquisition, permits, and transportation for Material;
- k) Utility coordination, and relocation design and construction, as necessary, in accordance with the DelDOT Utility Manual and Delaware Code;
- l) Site clearing and restoration;
- m) Demolition or removal of culverts, headwalls and other structures necessary to complete the work;
- n) Maintenance of the roadways, driveways, access roads, sidewalks, signage and pavement markings within the Project Limits from individual site Notice to Proceed through individual site Final Acceptance;
- o) Right of Way, Permanent Easement and Temporary Construction Easement acquisition; and
- p) All other activities, functions, or elements necessary to the successful completion and subsequent approval of the Project by the Department.

#### **4 PROJECT SITE LOCATIONS**

Project Site Locations are shown in [Part 1, Appendix A](#).

#### **5 ADJACENT AND CONCURRENT PROJECTS**

There are no known concurrent adjacent projects at this time. The Design-Builder is hereby alerted and advised that if other contracts do become active during the design or construction of any project site, all Contractors, including Design-Builders, shall coordinate and cooperate with the Department and Contractors and/or other Design-Builders working on the associated and/or adjacent contracts in accordance with [Contract Documents Part 2 - DB Section 105](#), Control of Work. Contractors and/or Design-Builders shall not impede or limit access to the work being performed by others. All costs associated with the Design-Builder's coordination and cooperation shall be included in the Lump Sum Contract Price.

The Department reserves the sole right to unilaterally alter the scope, nature, construction start and completion dates of all Contracts.

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State Contract # [T201607002](#)  
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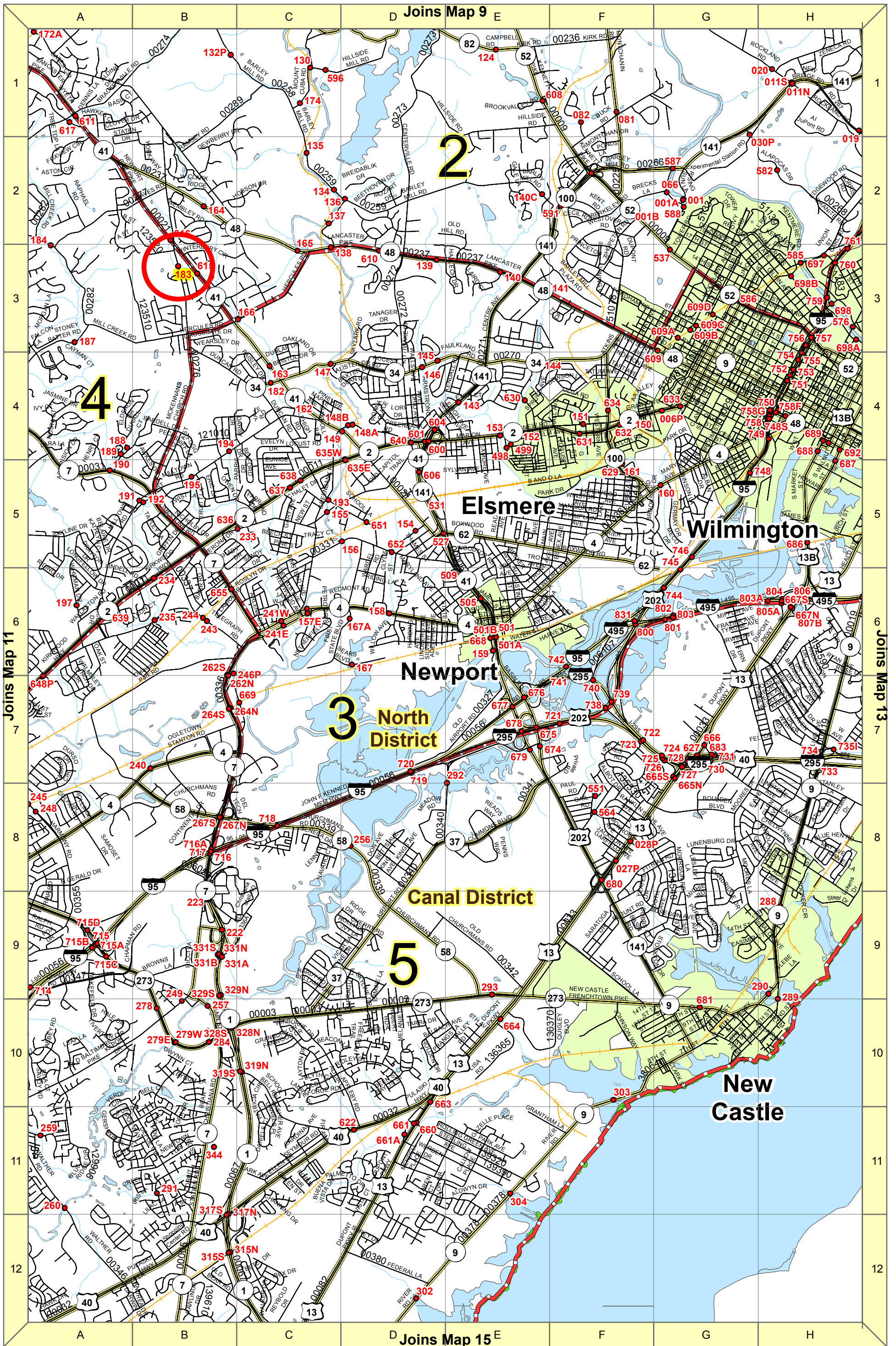
**RFP PART 1**

**APPENDIX A**

**PROJECT SITE LOCATIONS**

Corrugated Metal Pipe Locations				
Bridge ID	Road Facility	Bridge Atlas #	Feature Intersected	Roadway Functional Classification
1178 282	MILL CREEK RD.	11	TRIB. OF MILL CREEK	Urban Collector
1183 276	MCKENNAN'S CHURCH	12	HYDE RUN	Urban Min. Arterial
1420 461	MARYLAND LINE RD.	16	TRIB OF SASSAFRAS RIVER	Rural Local
1449 456	UNION CHURCH RD.	17	TRIB. TO BLACKBIRD CREEK	Rural Local
1454 465	EAGLES NEST LNDG RD.	17	SAW MILL BRANCH	Rural Local
1455 466	DEER RUN RD.	17	SAW MILL BRANCH	Rural Local
1615 021	NEWPORT GAP PIKE	12	HYDE RUN	Urban Prin. Arterial
1616 021	NEWPORT GAP PIKE	12	HYDE RUN	Urban Prin. Arterial
2066A 066	WHITE OAK RD.	21	LITTLE RIVER	Urban Local
2113B 113	CATTAIL BRANCH RD.	27	SAULSBURY CREEK	Rural Local
2303A 303	HIGH STUMP RD.	27	CATTAIL BRANCH	Rural Local
2371B 371	BARRATTS CHAPEL RD.	25	TRIB. TO MCGINNIS POND	Urban Collector
2384C 384	KILLENS POND RD.	25	BROWNS BRANCH	Rural Local
2442A 442	ABBOTTS POND RD.	29	TANTROUGH BRANCH	Rural Local
3132 565	SUNNYSIDE RD.	34	GUM BRANCH	Rural Local
3139 597	TUCKERS RD.	35	WEST BRANCH	Rural Local
3236 046	ELKS RD.	34	TRIB. TO HEARNS POND	Rural Local
3317 024	SR 24 / LAUREL RD.	41	TRIB. TO TRAP POND	Rural Maj. Collector
3323 447	JOHNSON RD.	41	WILEYS POND	Rural Local
3335 515	BACONS RD.	40	MEADOW BRANCH	Rural Local
3441 382	ARMORY RD.	43	HERRING BRANCH	Rural Maj. Collector
3564 413	FIREMANS RD.	42	GUM BRANCH	Rural Local
3576 064	WHITESVILLE RD.	41	NORTH FORK GREEN RUN	Rural Maj. Collector
3626 608	ELLENDALE FOREST RD.	29	MAPLE MARSH/BEAVER DAM BRANCH	Rural Local
3627 606	SAMMONS RD.	35	MAPLE MARSH/BEAVER DAM BRANCH	Rural Local
3630 593	MAPLE BRANCH RD.	35	MAPLE MARSH/BEAVER DAM BRANCH	Rural Local
3681 318	CEDAR LANE	36	ELI WALLS DITCH	Rural Local
3913 016	BEACH HGWY / SR16	29	WEST BRANCH	Rural Maj. Collector
3914 016	BEACH HGWY / SR16	29	STALLION HEAD BRANCH	Rural Maj. Collector
3914A 016	BEACH HGWY / SR16	29	STALLION HEAD BRANCH	Rural Maj. Collector
3923 224	FLEATOWN RD.	30	SWIGGETS POND	Rural Local

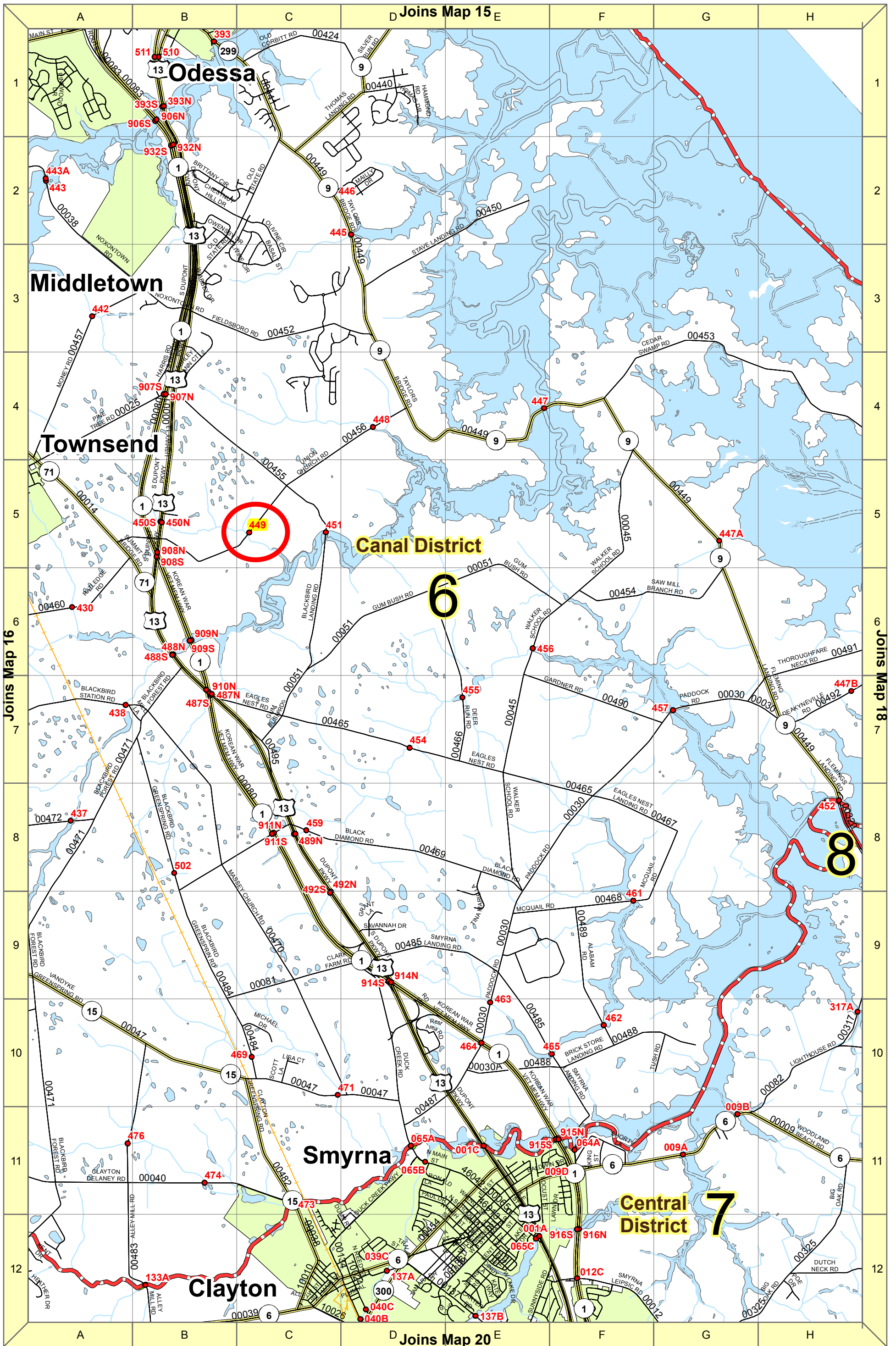




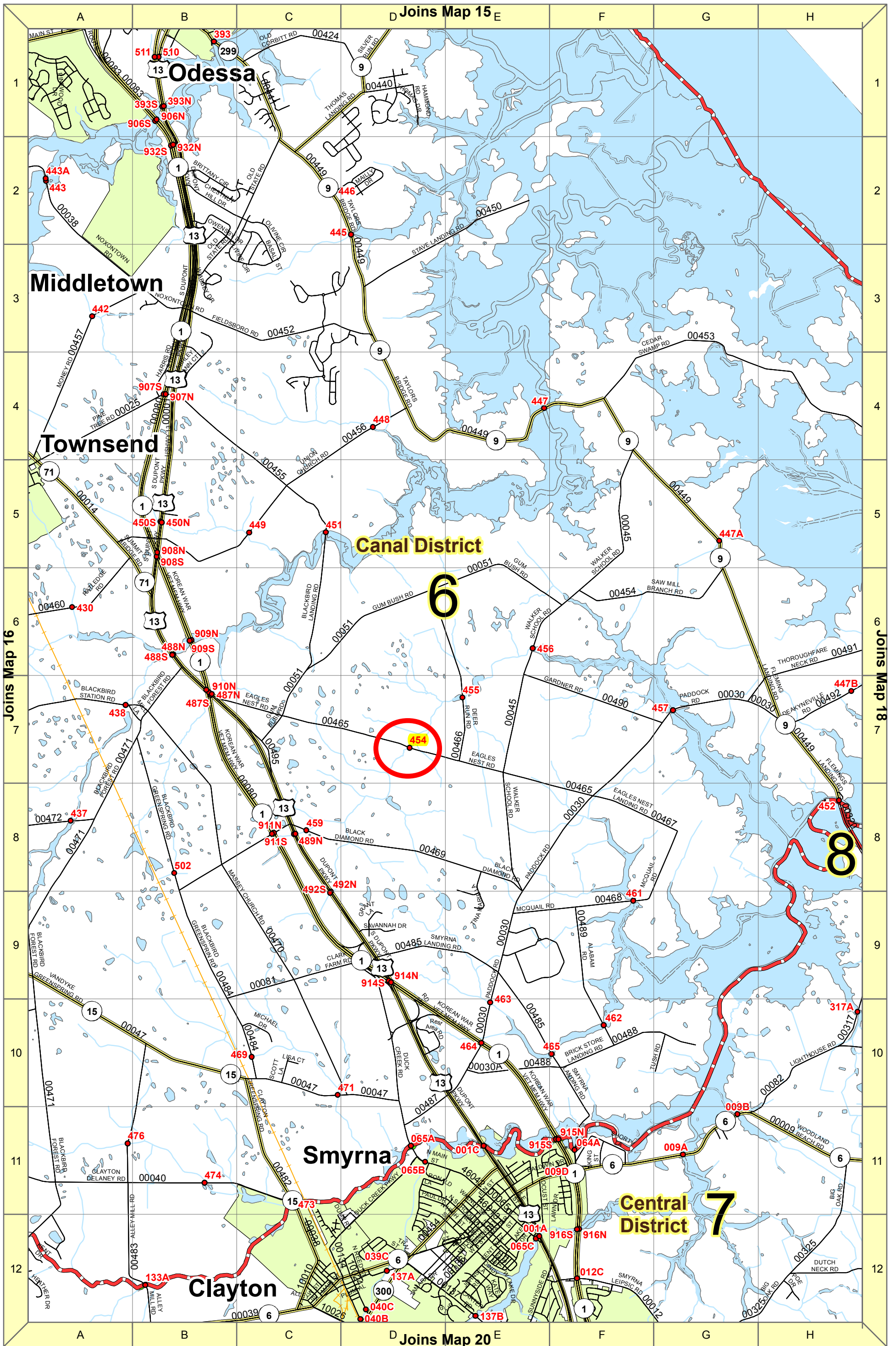
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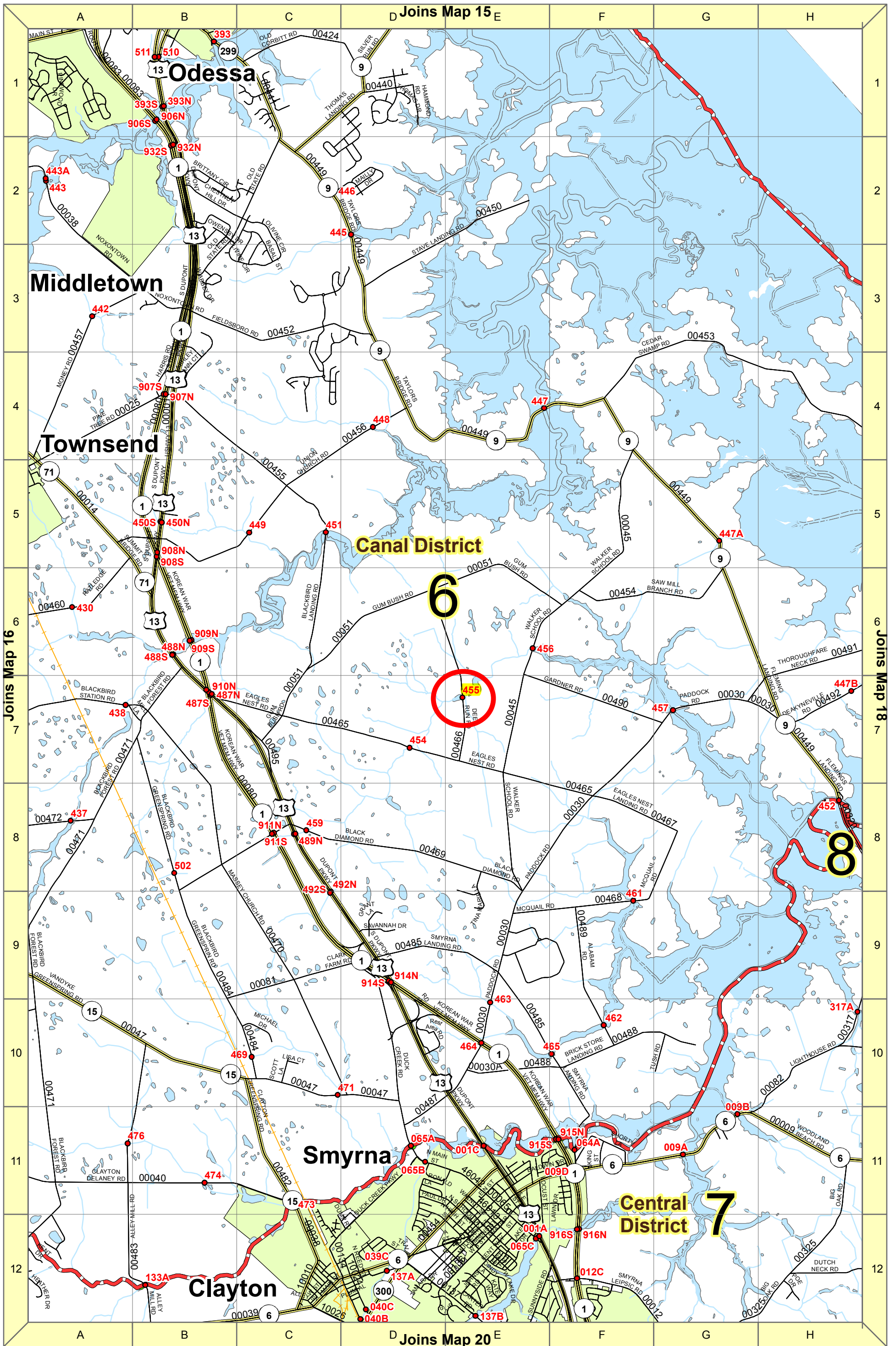




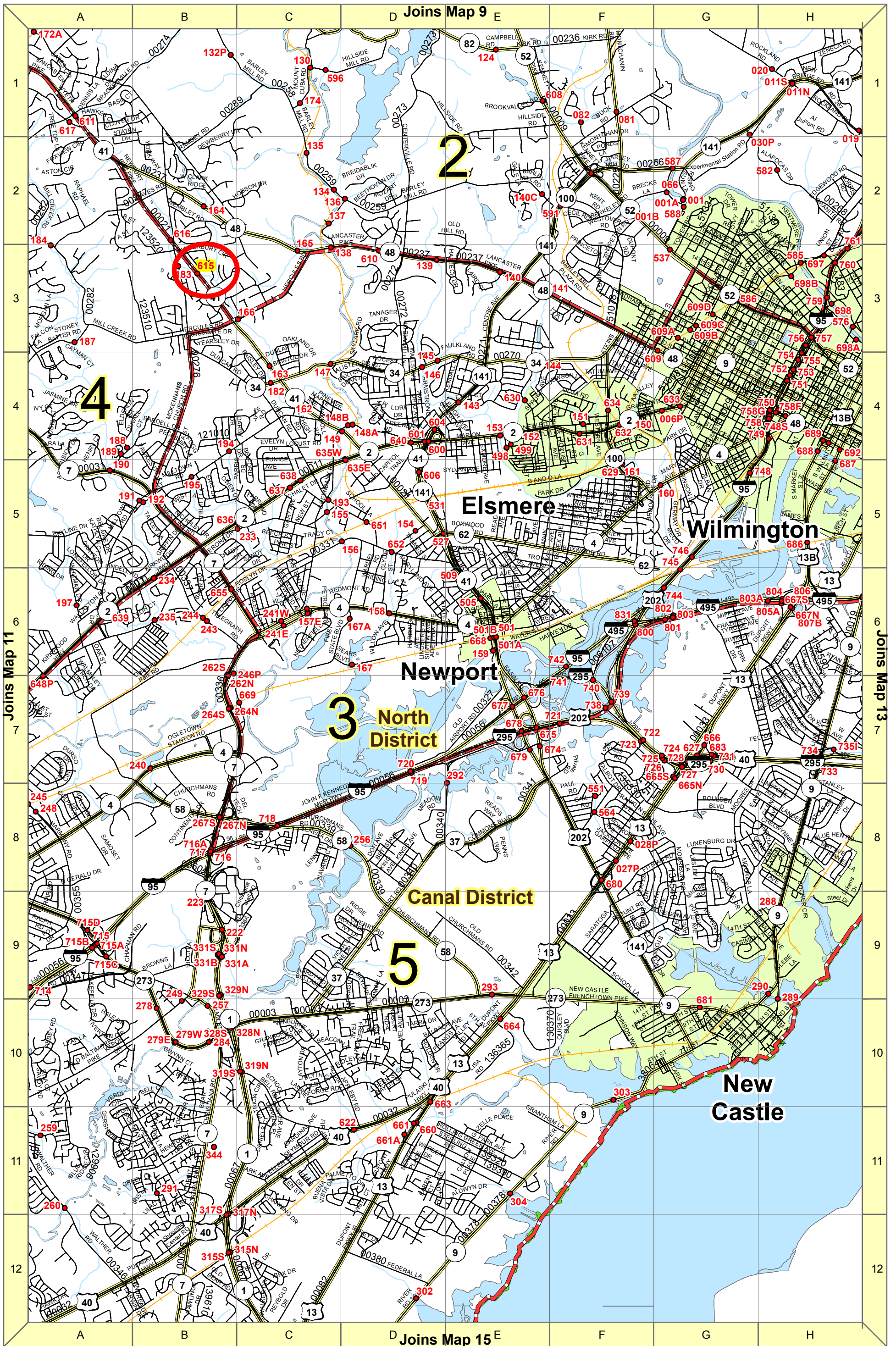


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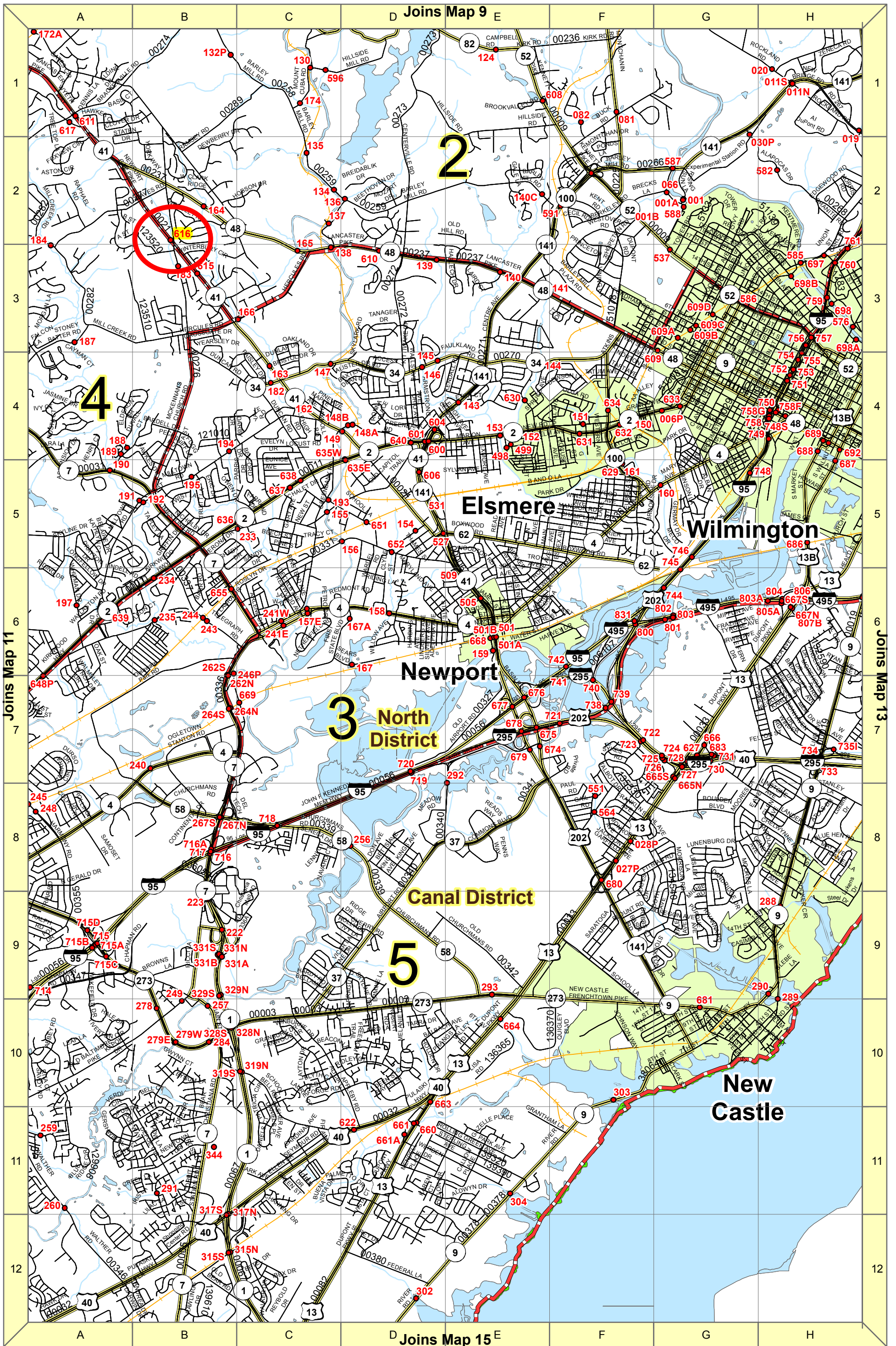




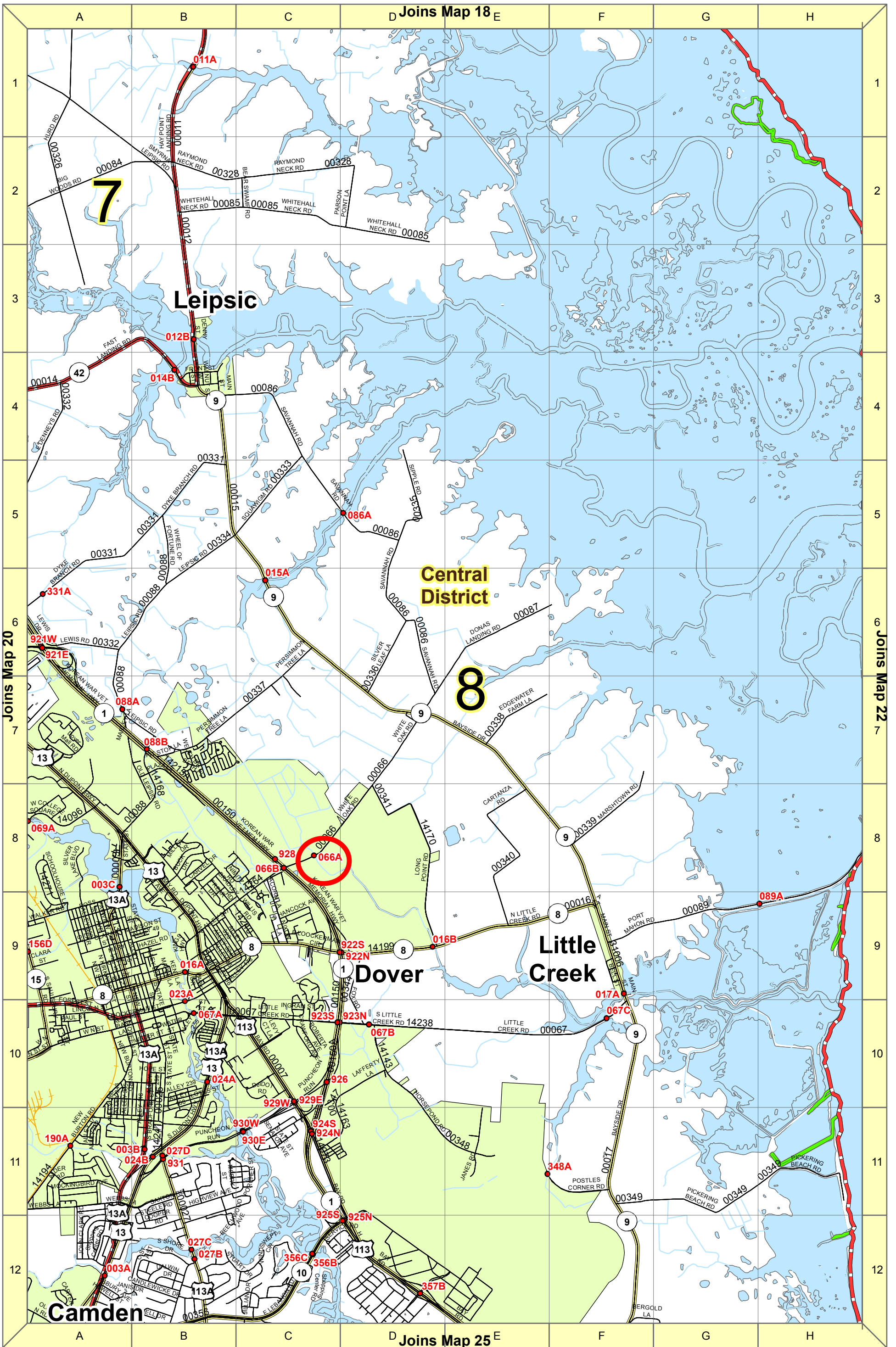
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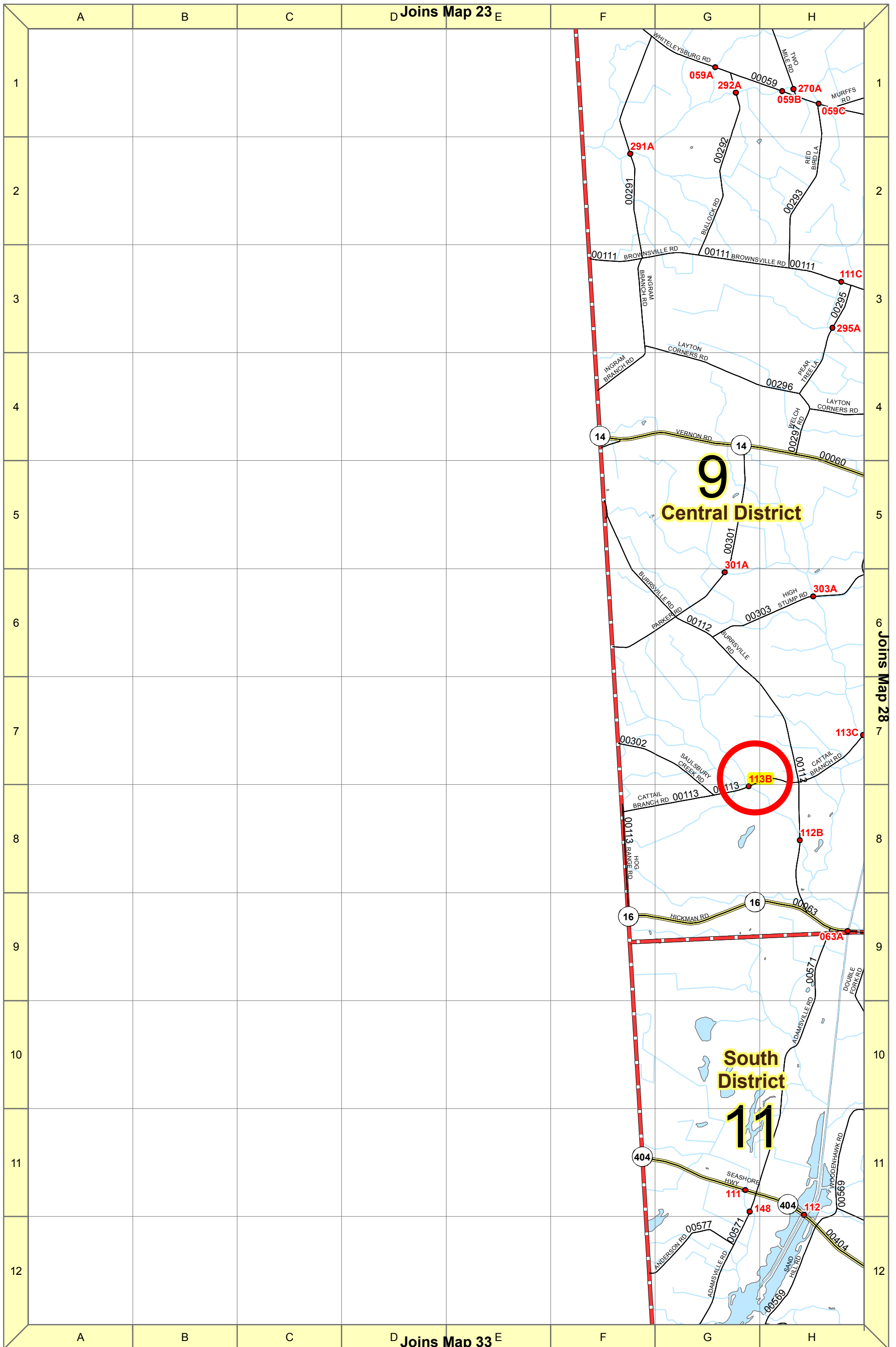
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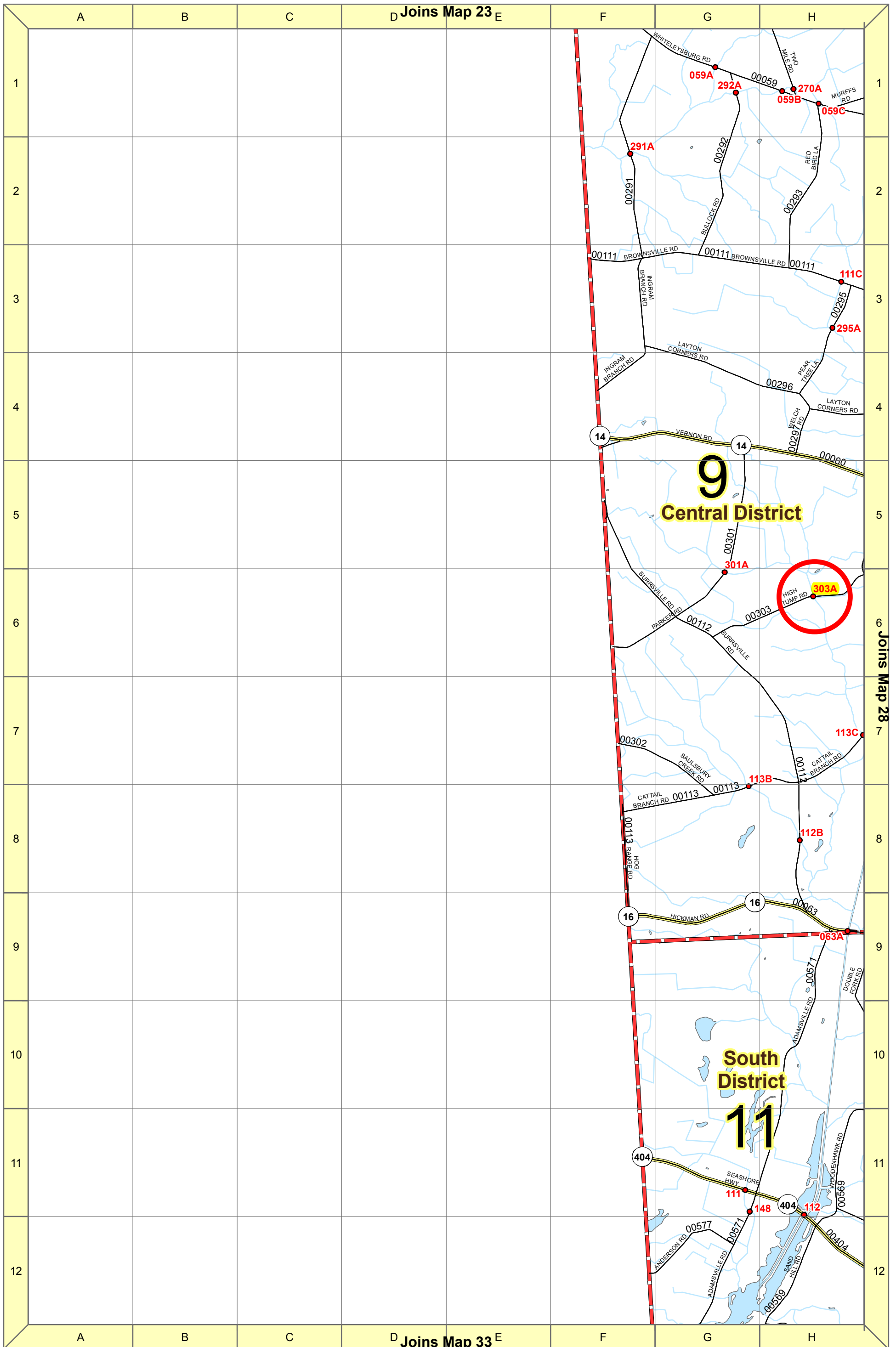


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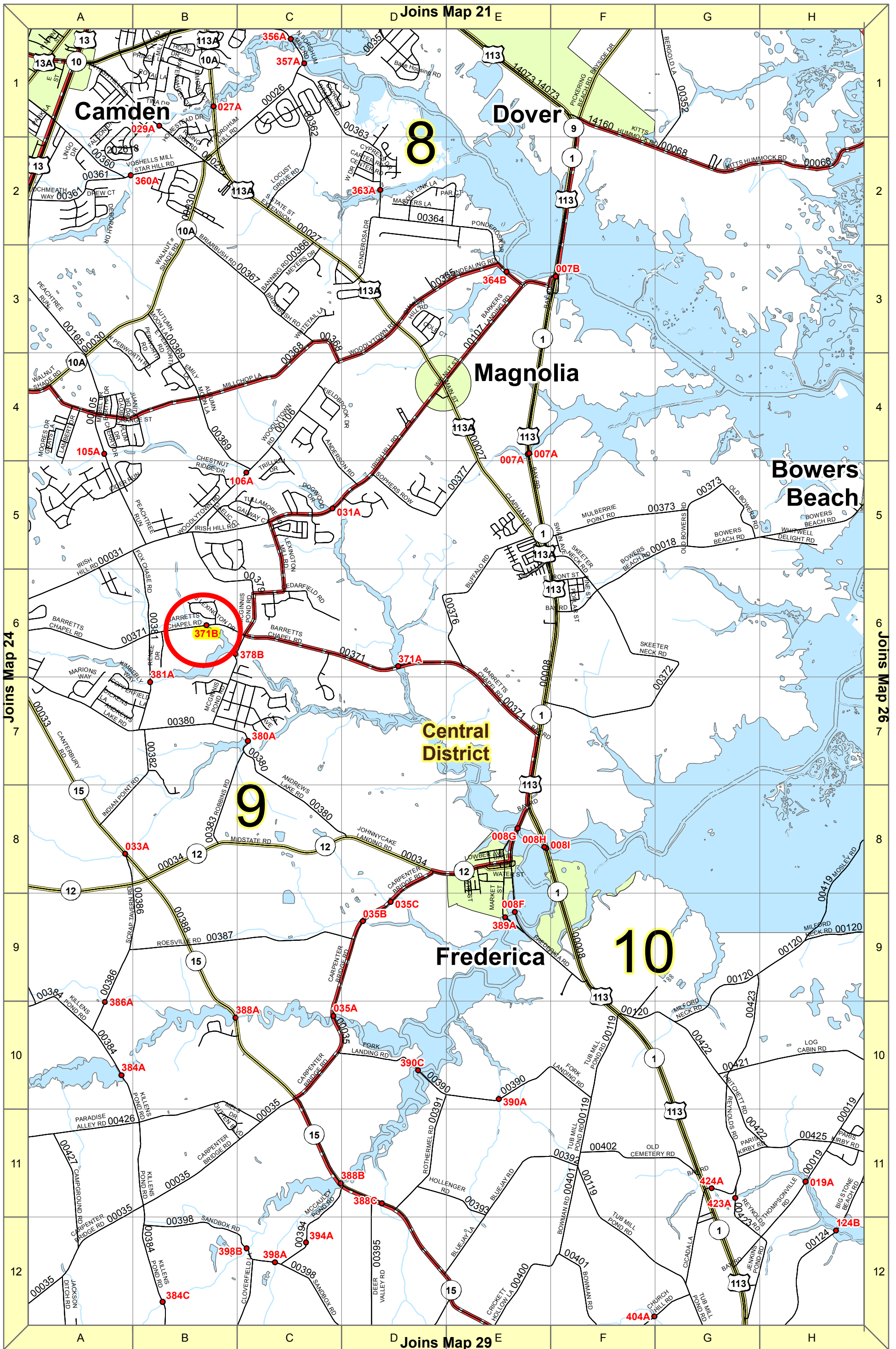


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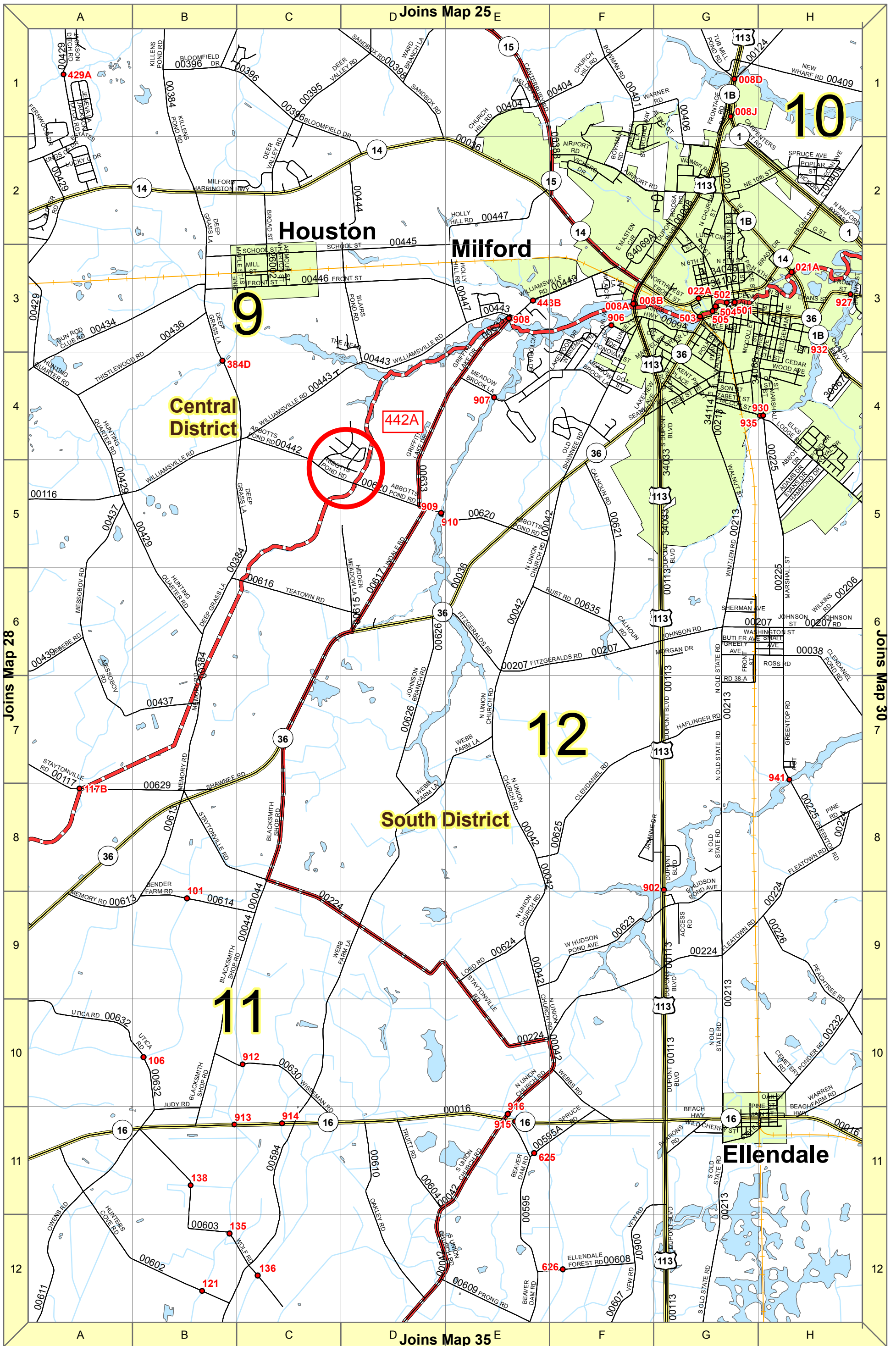




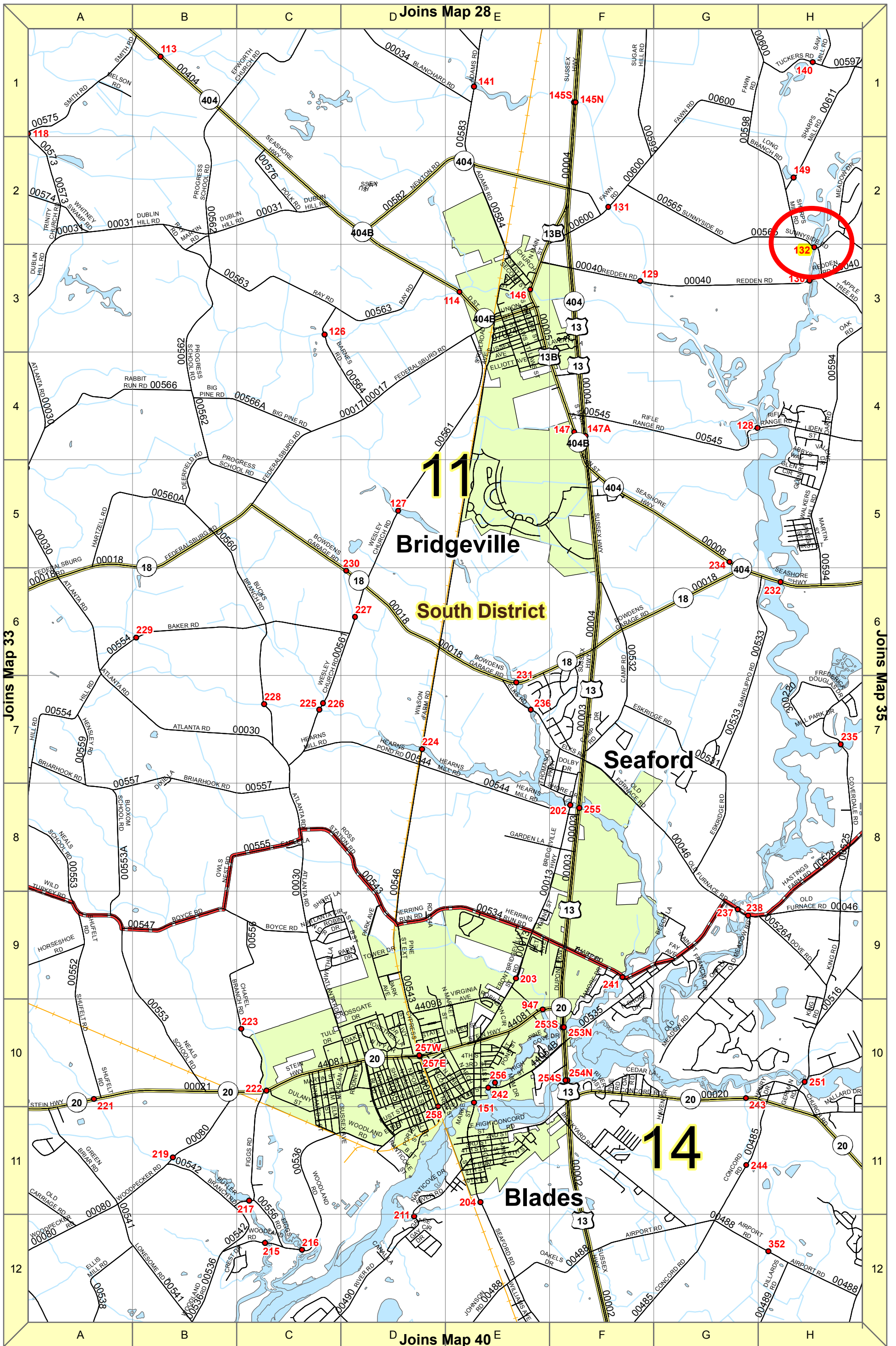
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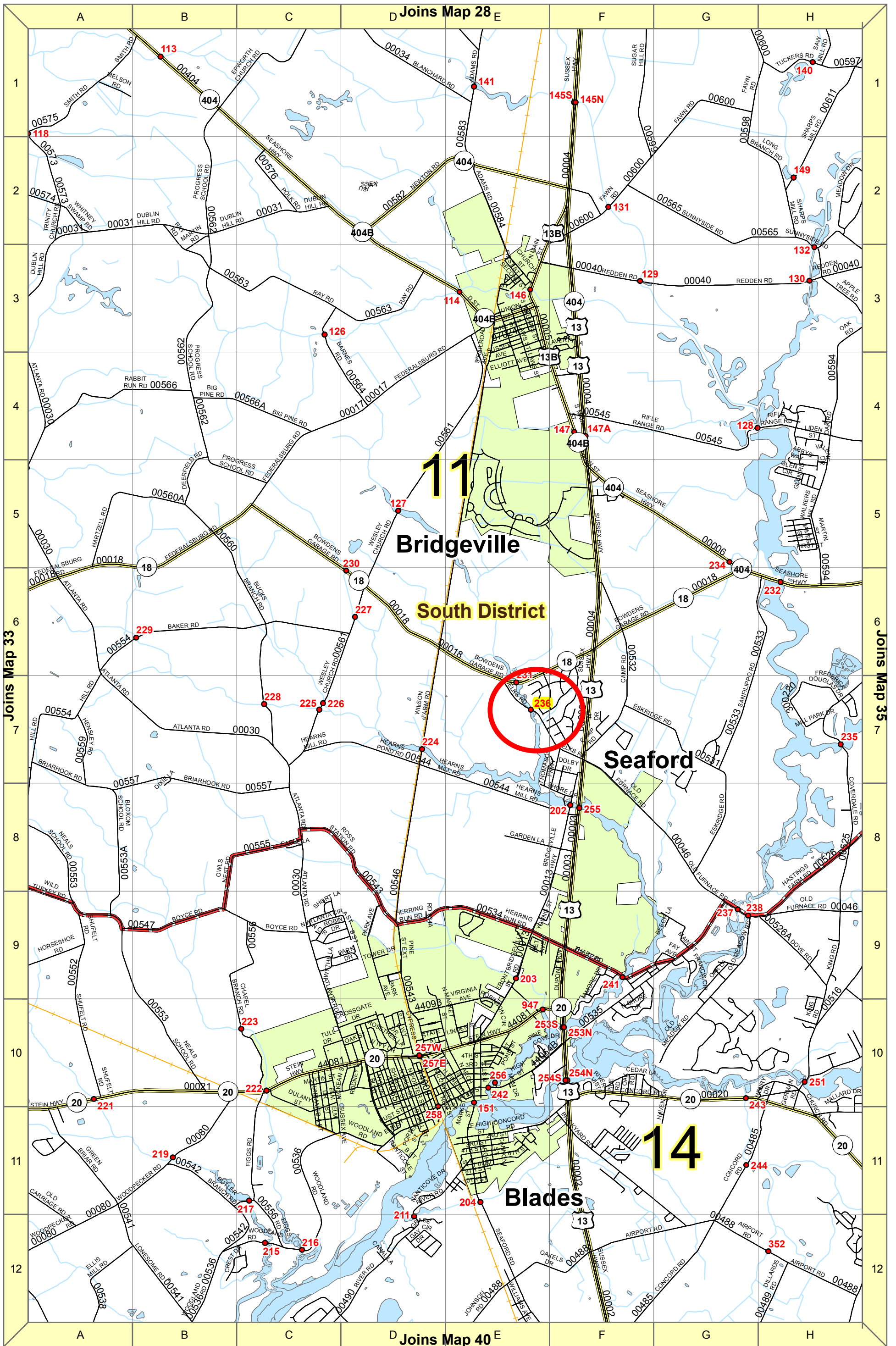




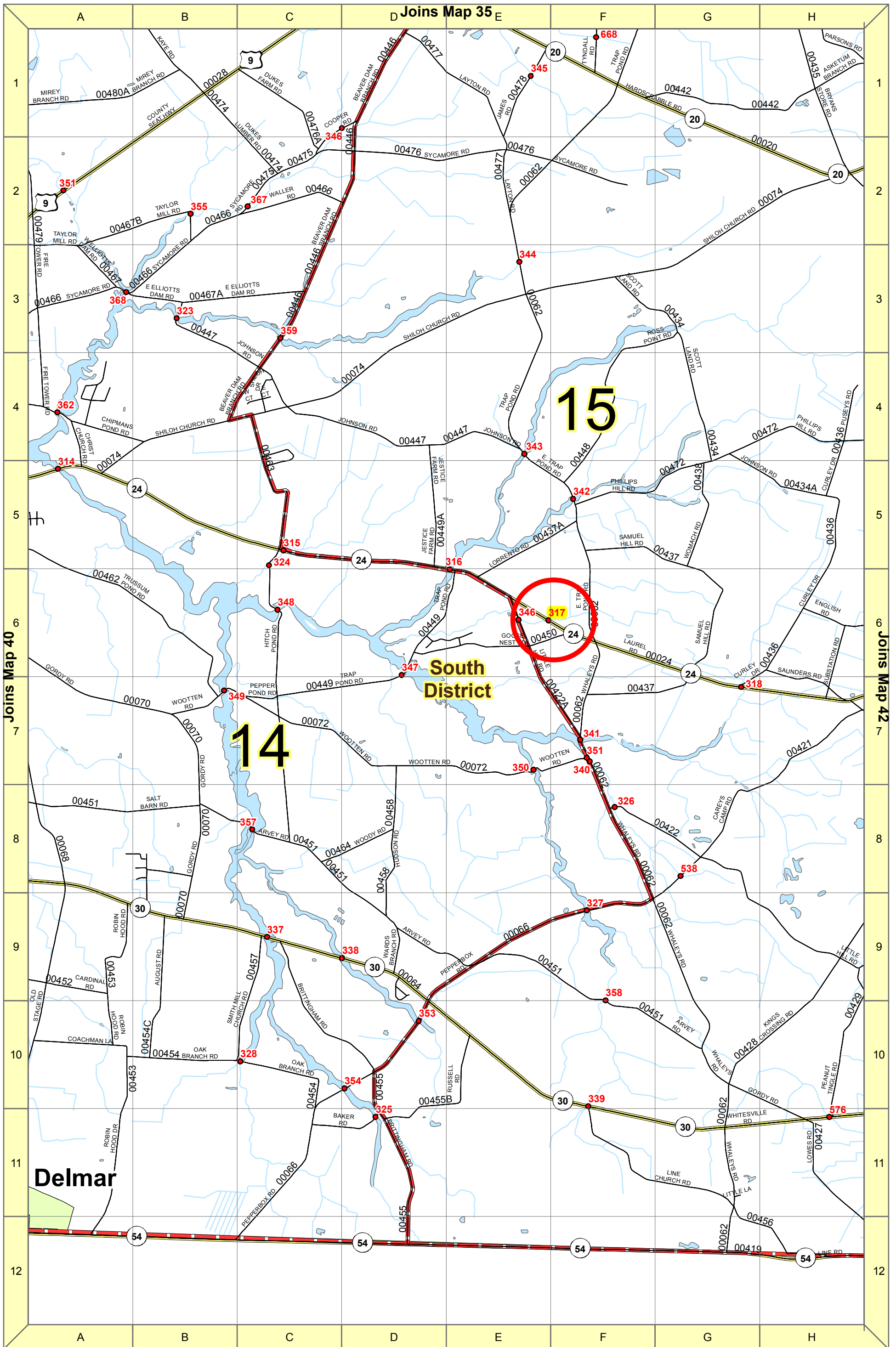
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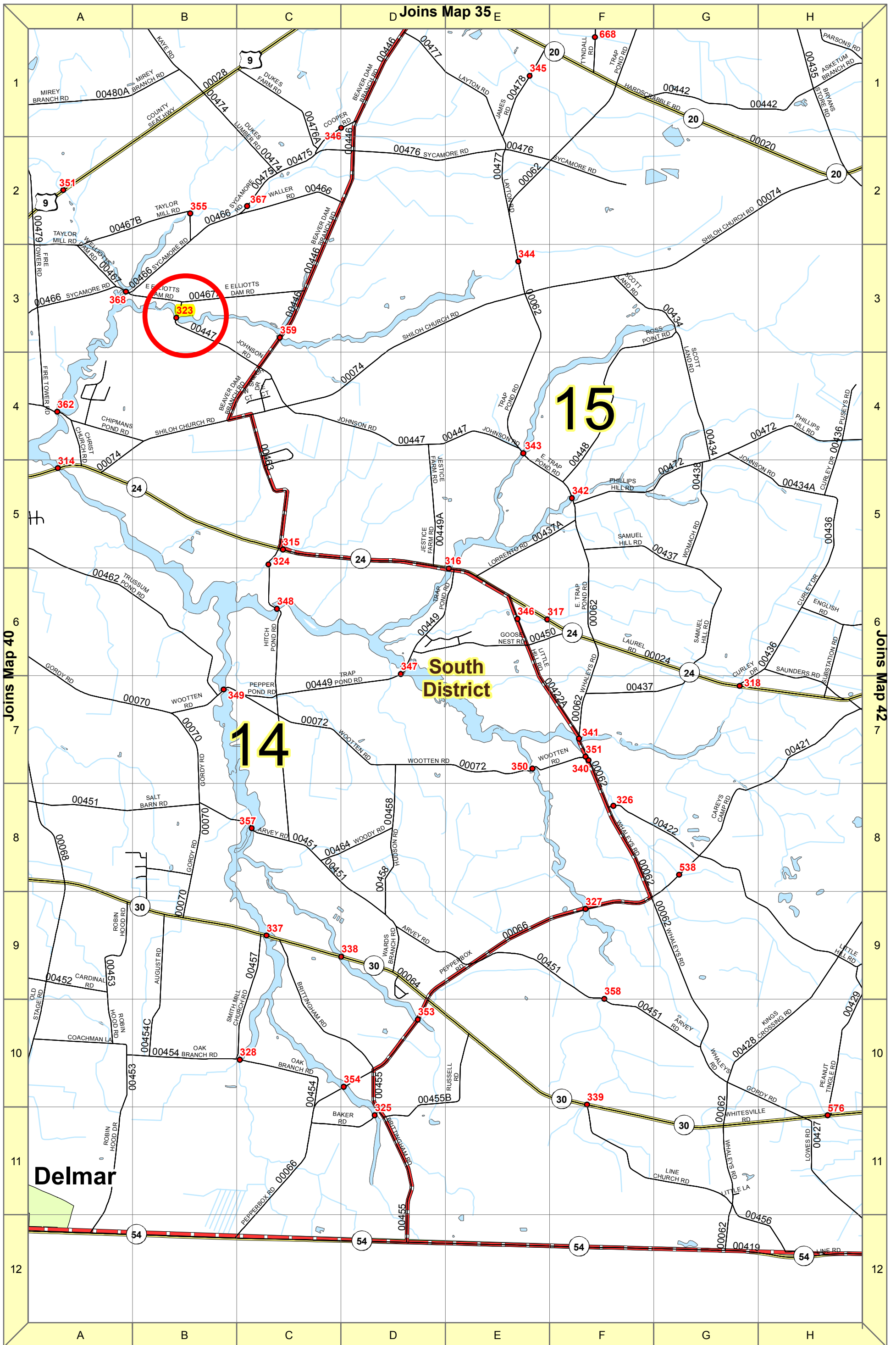


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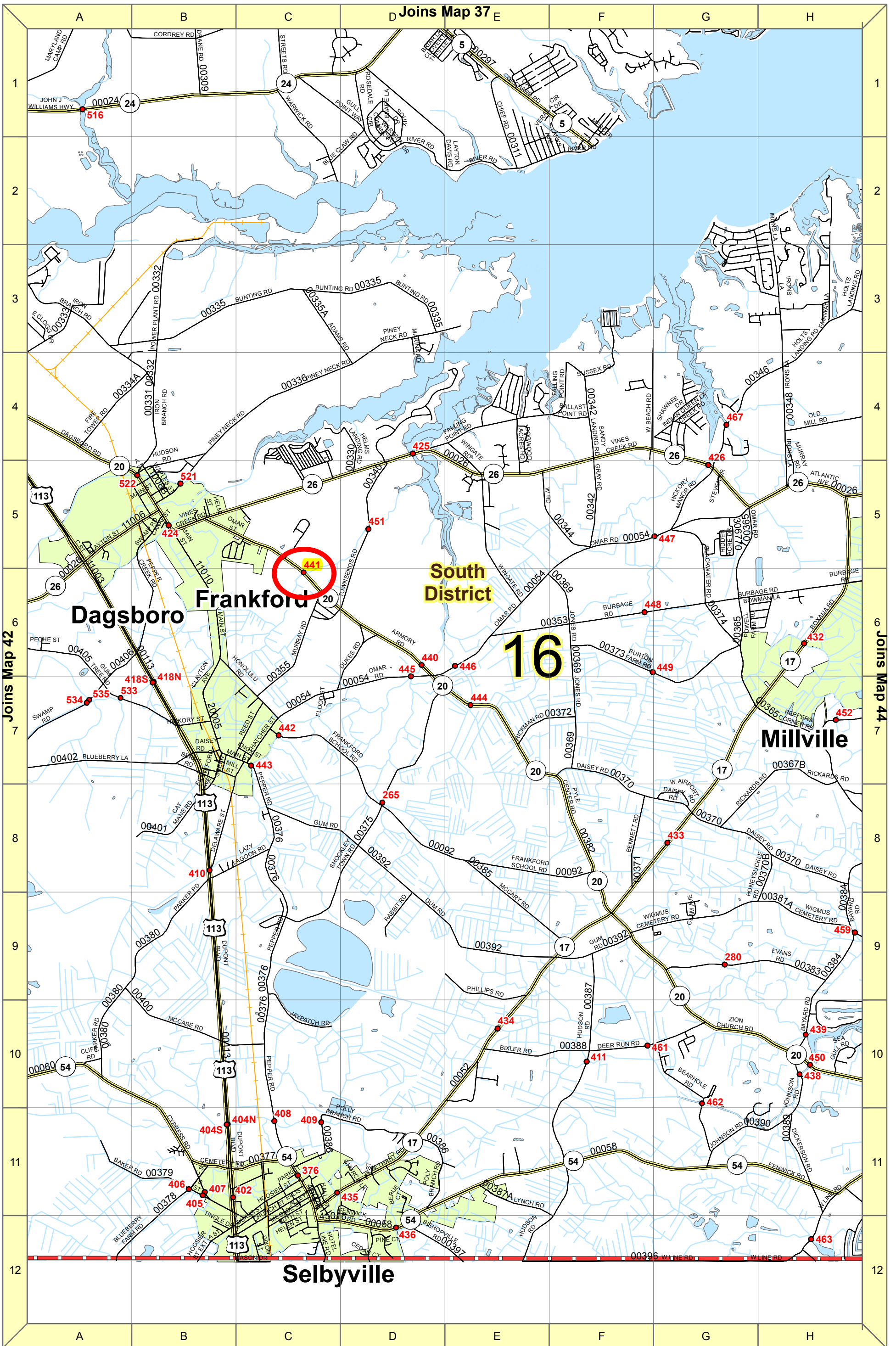
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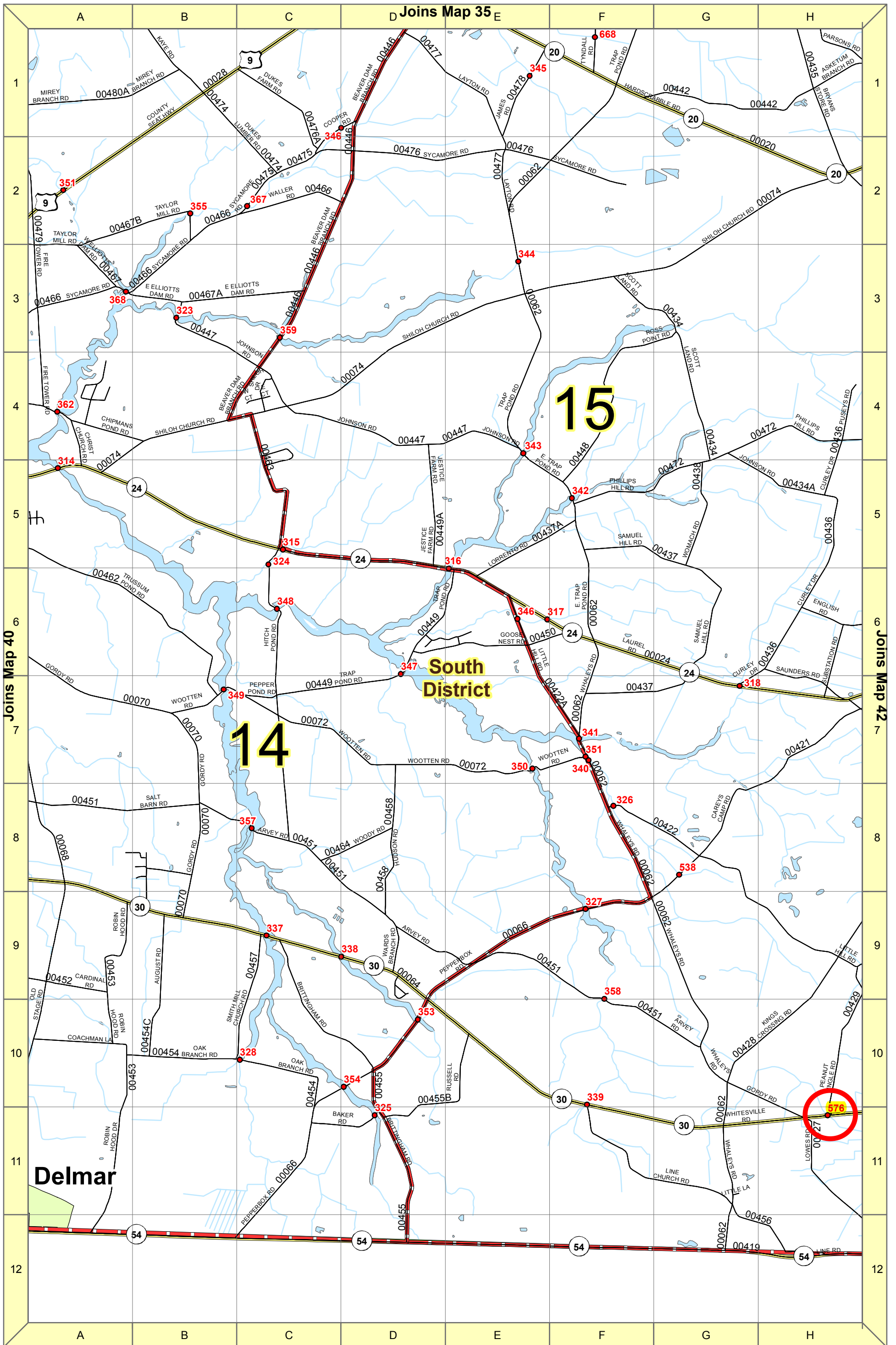


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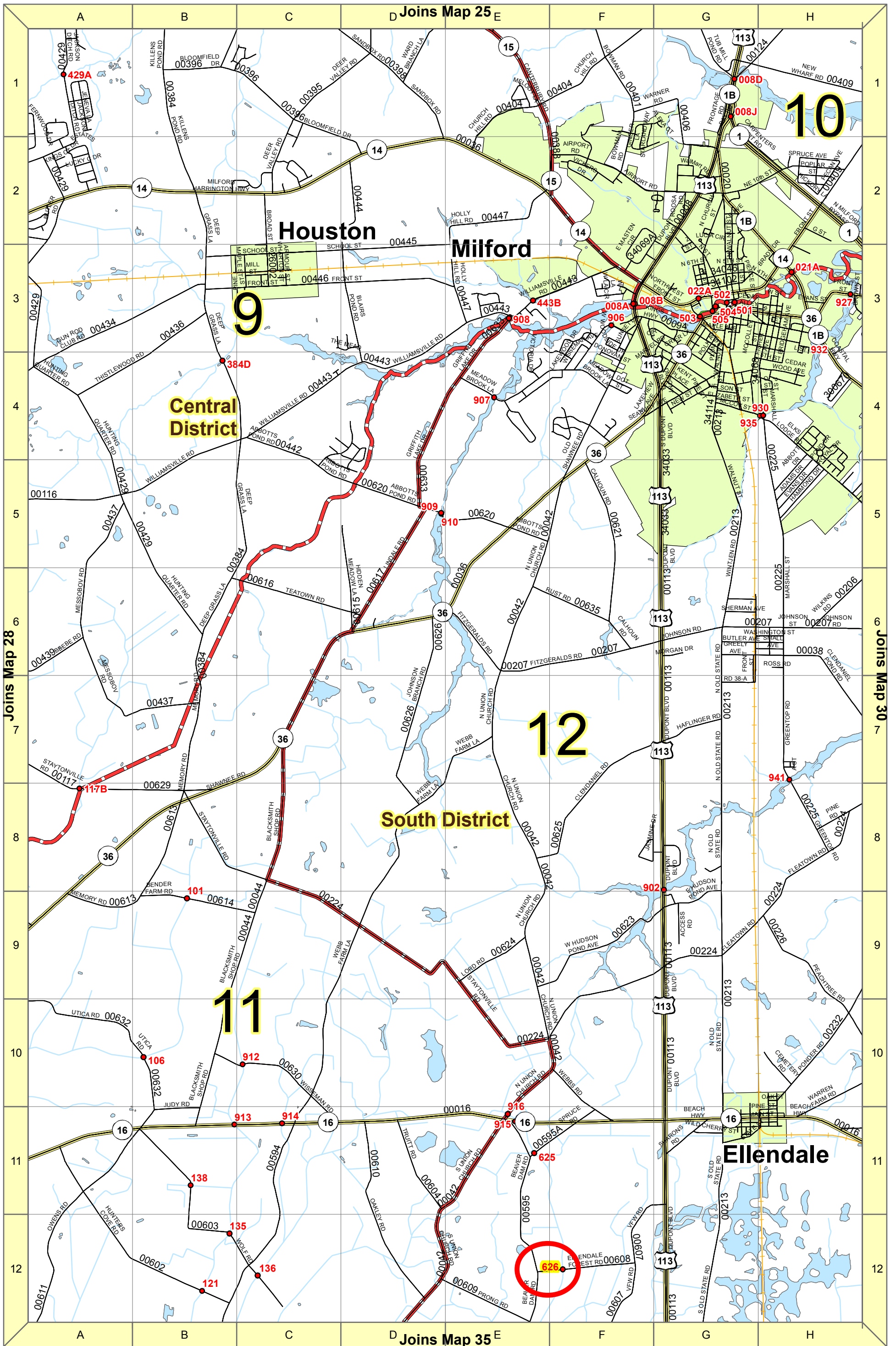




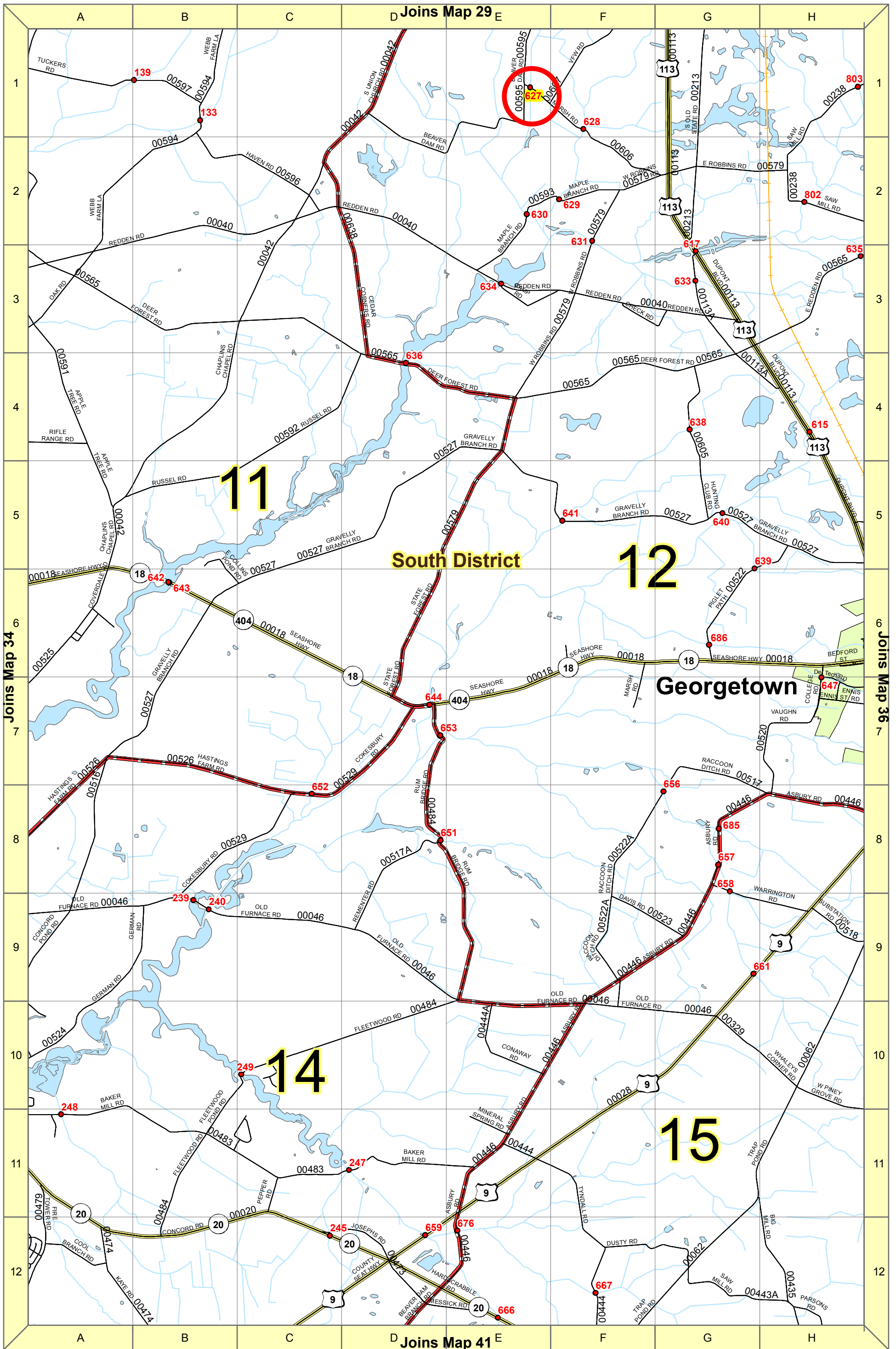




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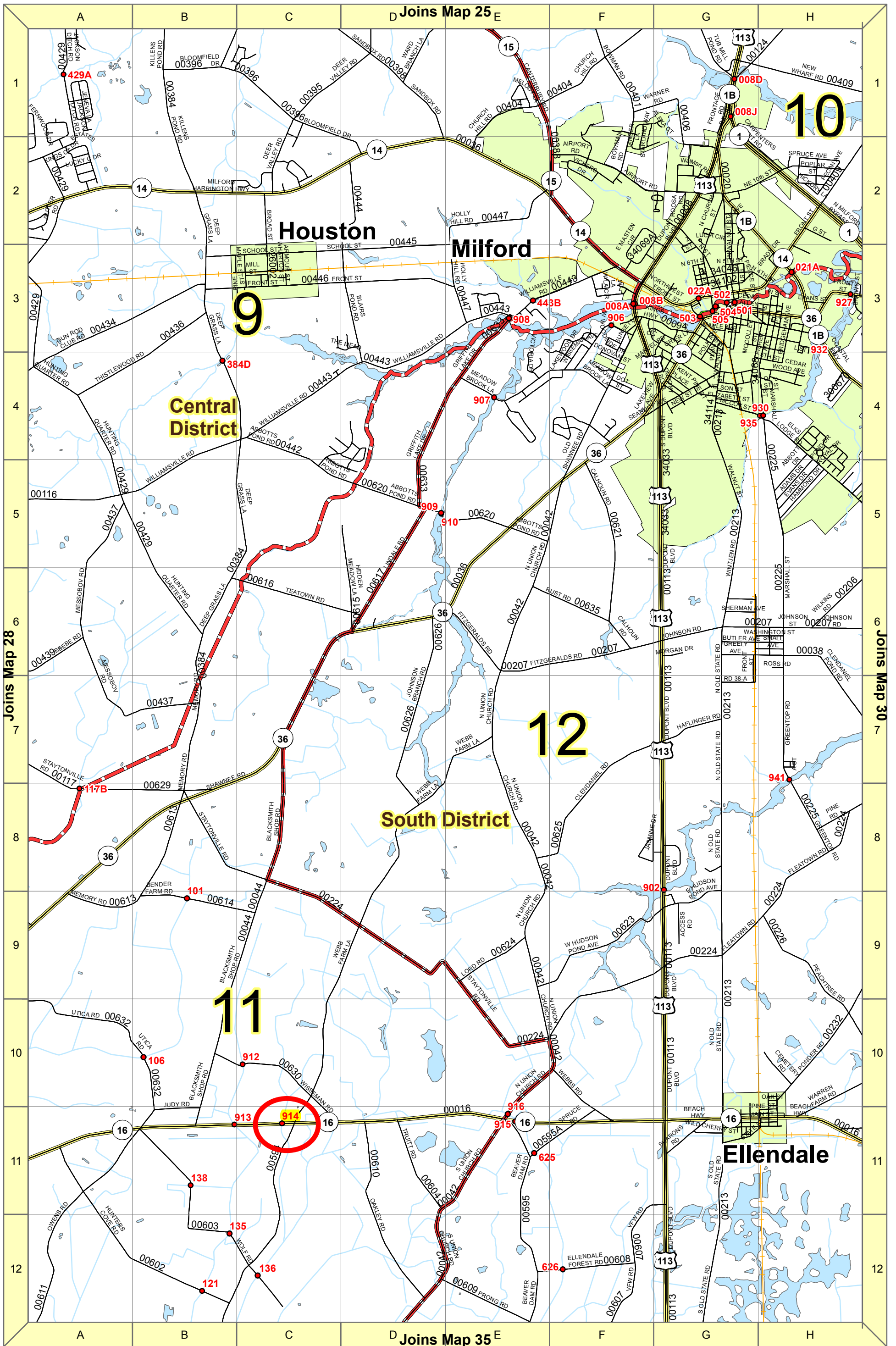




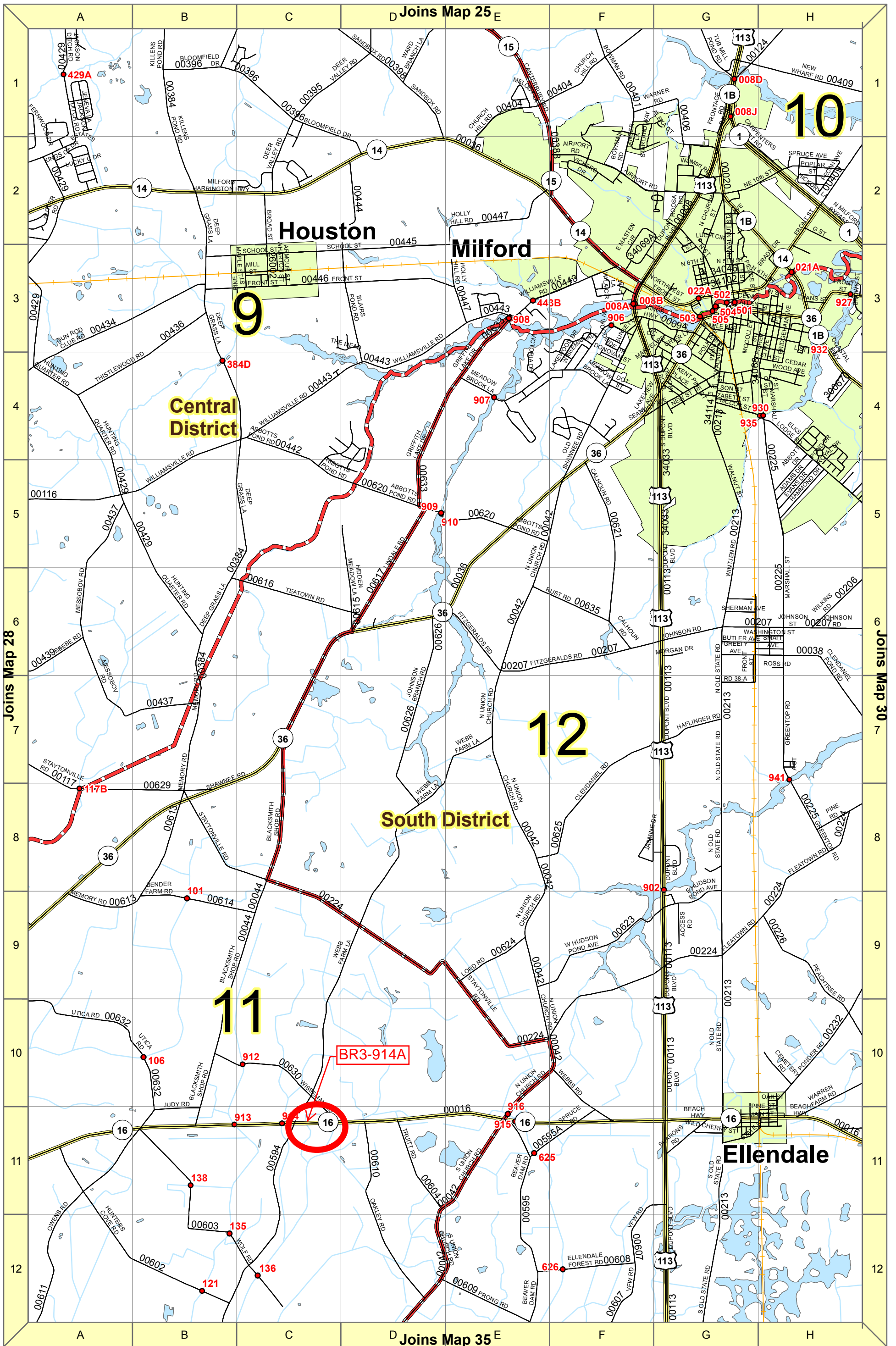








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