



THE CITY OF
CANTON
WILLIAM J. HEALY II, MAYOR

March 26, 2014

Ohio Environmental Protection Agency
Northeast District Office
Attn: Mr. Todd Surrena
2110 East Aurora Road
Twinsburg, Ohio 44087-1969

Re: Outfall 300 – Sanitary Sewer Overflow Annual Report

Dear Mr. Surrena,

Please find enclosed one (1) copy of the City of Canton's Sanitary Sewer Overflow Annual Report as required by our National Pollutant Discharge Elimination System (NPDES) Permit. One additional copy of this report is also being transmitted to the Ohio EPA, Division of Surface Water, NPDES Permit Unit by copy of this letter.

Also, as required by our NPDES permit, we have notified the public of the availability of this report. This will be accomplished by publishing a legal notice in the "The Repository", Canton's local newspaper. We will also post the report on the City of Canton's website at www.cantonohio.gov.

If you have any questions, please contact our office at (330) 489-3031.

Sincerely,



James M. DiMarzio
Collection Systems Superintendent

cc: Ohio EPA, Division of Surface Water, NPDES Permit Unit (1 copy)
William L. Bartos, Director of Public Service
Daniel J. Moeglin, P.E., S.I., City Engineer
Tracy J. Mills, WRF Superintendent
Douglas J. Harris, P.E., Assistant Superintendent
File





City of Canton
Stark County, Ohio

SANITARY SEWER OVERFLOW
2013 ANNUAL REPORT



**SANITARY SEWER OVERFLOW
ANNUAL REPORT**

DATE: 03/26/14

FACILITY NAME: City of Canton, Ohio

OHIO NPDES PERMIT NO: 3PE00000*PD

PERIOD COVERED BY REPORT: January 1, 2013 - December 31, 2013

CONTACT PERSON

NAME: James M. Dimarzio

TITLE: Superintendent

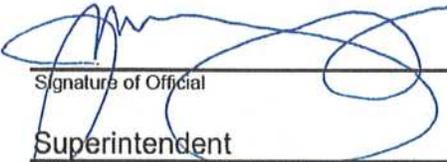
MAILING ADDRESS:

2901 Regent Avenue NE
Canton, Ohio 44705

TELEPHONE: 330-489-3031

EMAIL: james.dimarzio@cantonohio.gov

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION IN THIS REPORT AND ALL ATTACHMENTS. BASED ON MY INQUIRY OF THOSE PERSONS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION CONTAINED IN THE REPORT, I BELIEVE THAT THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE.



Signature of Official
Superintendent

Title

3/26/14

Date

Sewershed ^A	WIB Occurrences ^B	Causes ^C
1 SW	2	W
2 SW		
3 SW	2	W
4 SW		
5 SW		
6 SW	3	
7 SW	1	G, D
8 SW	2	
9 SW		
10 SW	2	G
11 SW		
12 SW	2	W
13 SW		
14 SW		
15 SW	3	
16 SW		
17 SW		
18 SW		
19 SW		
20 SW		
21 SW		
22 SW		
23 SW		
1 NE		
2 NE	3	W, R
3 NE	6	D
4 NE		
5 NE		
6 NE		
7 NE	2	
8 NE		
9 NE	2	
10 NE		
11 NE	1	
12 NE	3	
13 NE	1	
14 NE		
15 NE	3	D, W, G
16 NE	3	
17 NE		
18 NE	1	W
19 NE		
20 NE		
21 NE		
22 NE		
23 NE		
24 NE		

A. A sewershed is a specific geographic area, such as a city block or a subdivision, that drains to a common outlet.

B. Enter the total number of water in basement occurrences reported for the sewershed.

C. Enter all causes that apply: W= extreme weather; E = equipment failure; P = power failure; D = debris in line; R = roots; G = grease; B = other blockages; L = line deterioration; V = vandalism; O = other, provide details.

Use additional pages as needed.

Enter narrative analysis of WIB patterns by location, frequency and cause.

In the past, the City has performed Inflow and Infiltration (I/I) Studies and Sanitary Sewer Evaluation Studies (SSES), via engineering consultants, to evaluate the condition of the sanitary sewer system. In these studies, the system was divided into several sewersheds. The enclosed drawings, collectively called Appendix A, identify the sewersheds as included in the previous SSES's. For the purpose of this annual report, we have utilized these sewersheds to determine the number of Water in Basement (WIB) occurrences reported in each. Areas outside of the limits of the previous engineering studies have since been added in a manner consistent with the previous studies.

We have also created spreadsheets and charts of each reported WIB based on sewershed. This information is included in Appendix B. Based on this information, we are performing this analysis of WIB patterns by location, frequency and cause.

In 2013, the City received 602 WIB calls from city sewer customers. Upon receipt of these calls, the Collection Systems Department (CSD) dispatched a cleaning and/or televising crew to investigate the cause of the WIB. Of the 602 calls, only 62 were determined to be caused by restrictions of sanitary flow in the main line sewer (referred to as Public WIB) due to various reasons, including debris in the line, broken/deteriorated sewers, and/or grease. The CSD then proceeded to identify and correct, when possible, the cause of the Public WIB.

On many occasions, when it was determined the public sanitary system was not the cause, the CSD crew informed the customer of apparent lateral deterioration and/or blockages. By ordinance, laterals from the building to the main line sewer connection are privately owned and maintained by the building owner. The CSD crew would recommend that the customer proceed with remediation efforts and repairs, as applicable, via a private contractor to correct private lateral deficiencies. When available, the cause of the blockage is recorded on the associated work order. However, the cause is typically unknown for a "Private WIB". For that purpose, only known publicly caused WIB's are included in this annual report.

The City typically analyzes sewersheds that had five or more Public WIB occurrences in the reporting year. For this reporting year, there was one (1) sewershed that met this criterion (3 NE). Following is further information for this area.

The six (6) public WIB's reported in sewershed 3 NE were all reported on separate dates and at five (5) different locations. On one occasion, an atypical obstruction (broom stick) was removed from the public sewer. Several of the other 5 occurrences were in locations near the start of a line. These areas will continue to be monitored in the future for additional reports of WIB. As warranted, additional remediation will be initiated.

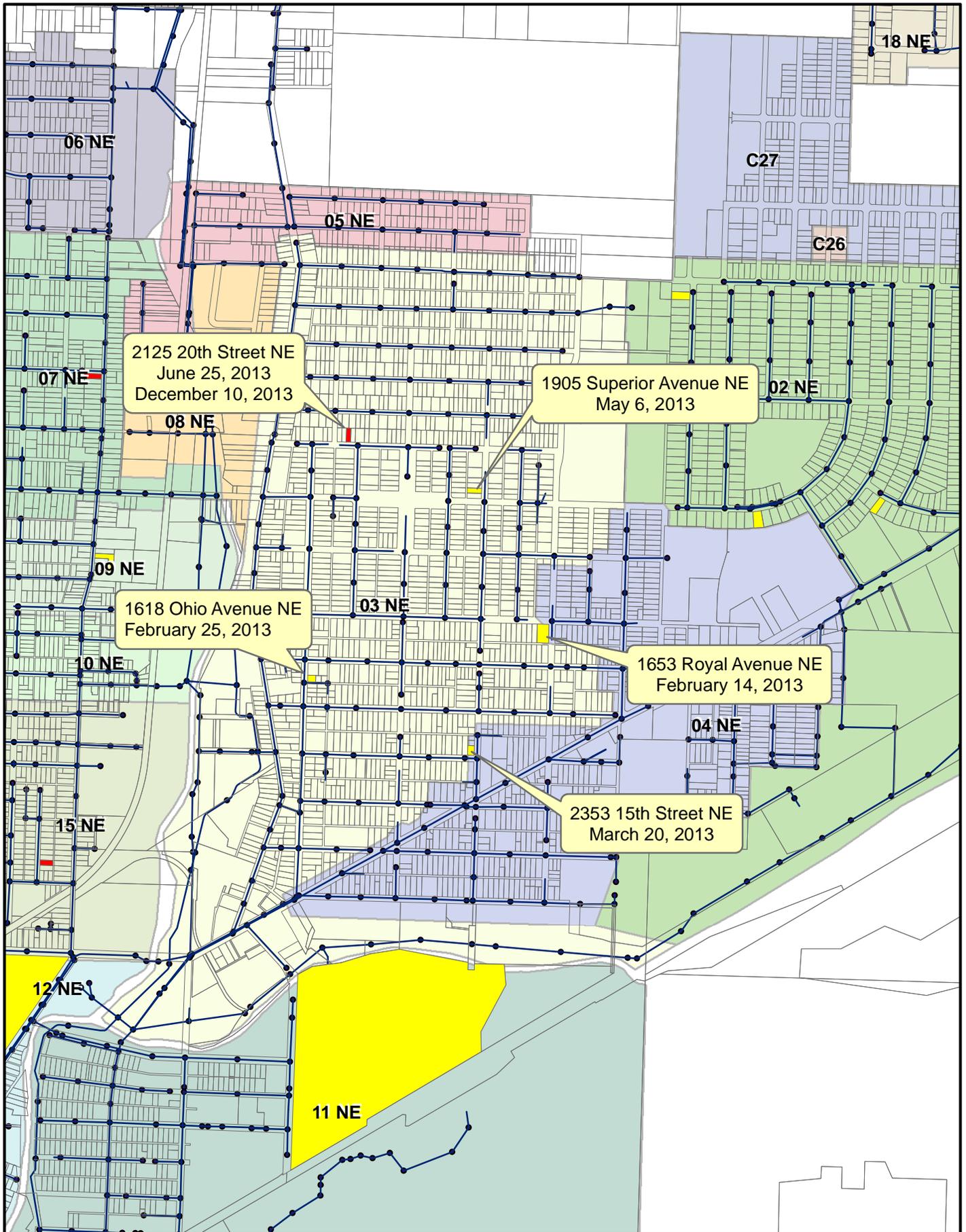
Enter narrative analysis of WIB patterns by location, frequency and cause.

The City of Canton operates an old sanitary sewer system with correspondingly old private laterals. As these laterals continue to age, we will continue to receive Private WIB calls. However, the number of Public WIB calls that could have been prevented will continue to be minimized in direct correlation to the cleaning, maintenance and rehabilitation/repair activities performed by this Department.

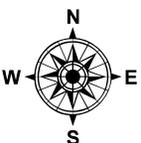
Based on the enclosed information, there were not concentrated or isolated areas of reoccurring public WIB calls. With the industry-wide emphasis given to data management, the Department will continue to monitor collected information and research areas for future improvement. Since the inception of the City's Satellite Sewer Discharge Control Program (a program formerly required in our NPDES permit), the City has reduced WIB calls significantly. It is expected that as our efforts continue, we will continue to minimize the number of Public WIB's reported within the City of Canton's sanitary sewer system.

 PUBLIC WIB - 1 OCCURRENCE

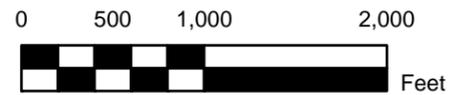
 PUBLIC WIB - MULTIPLE OCCURRENCES



**City of Canton, Ohio - Outfall 300 - March 2014
WIB ANALYSIS - SEWERSHED 03 NE**

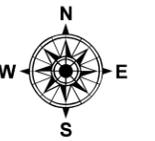


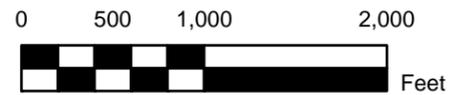
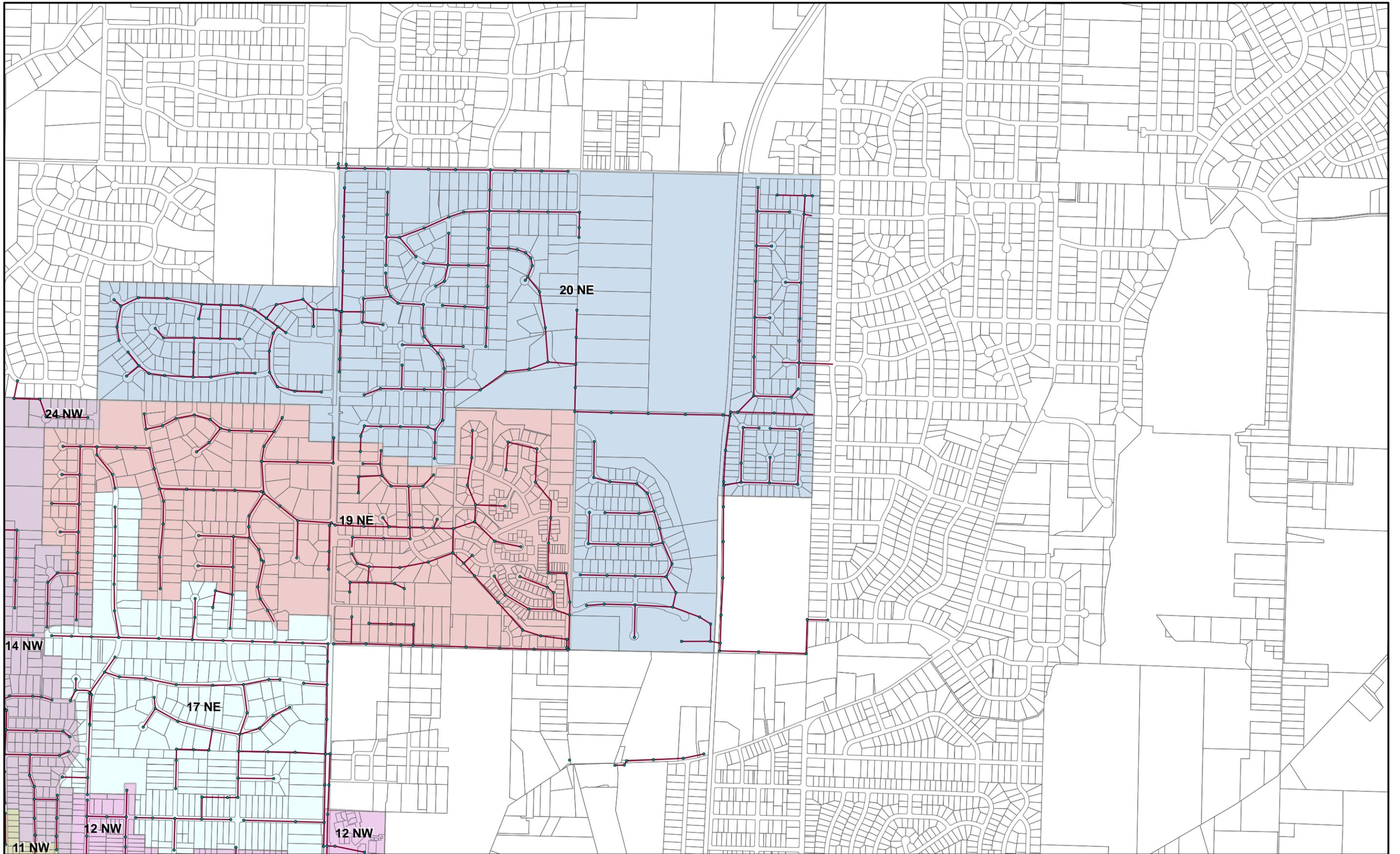
APPENDIX A



**City of Canton, Ohio - Outfall 300 - March 2014
WIB ANALYSIS (PUBLIC OCCURRENCES)**

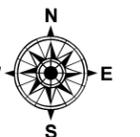
-  PUBLIC WIB - 1 OCCURRENCE
-  PUBLIC WIB - MULTIPLE OCCURRENCES

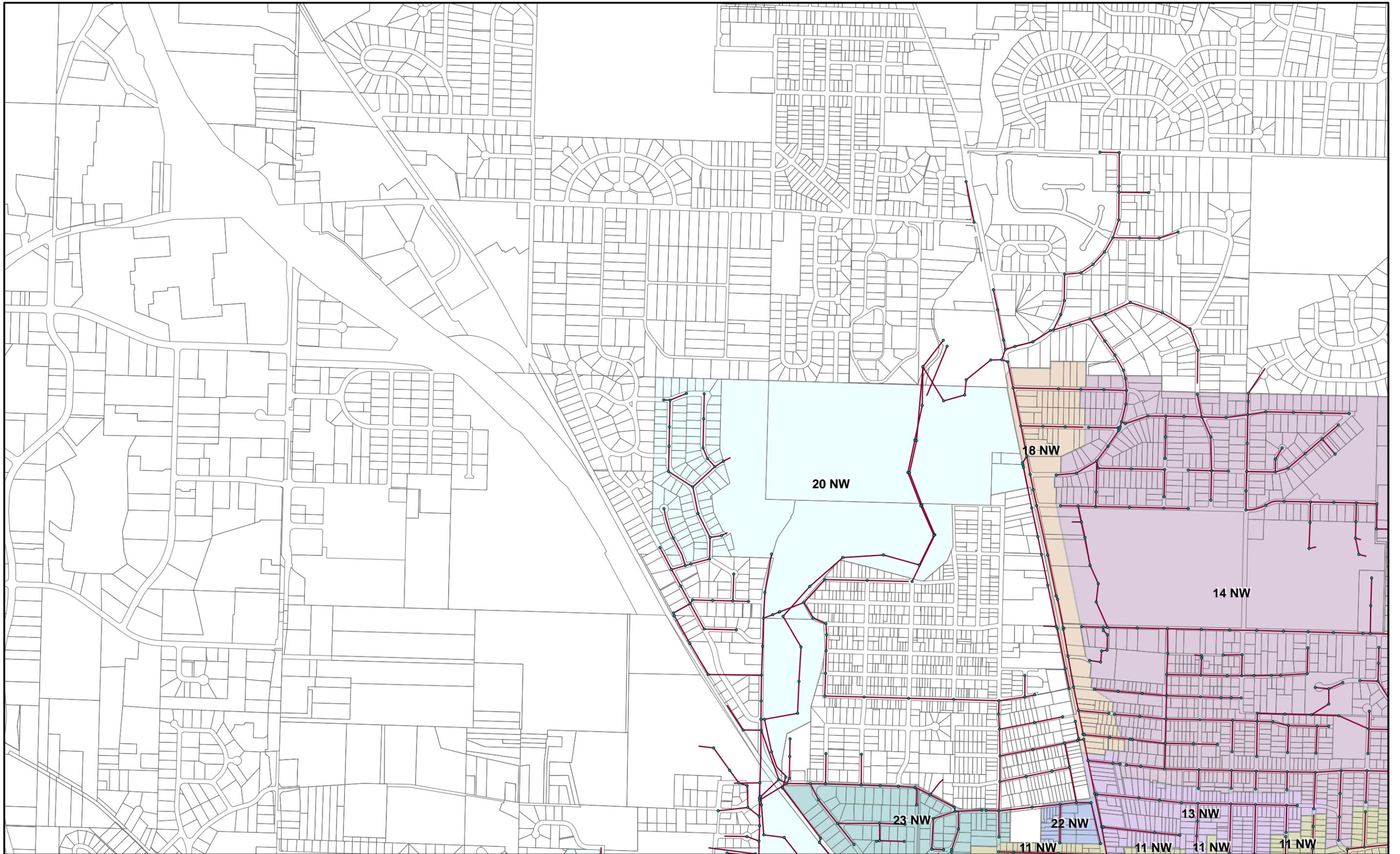




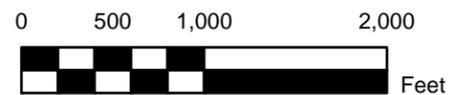
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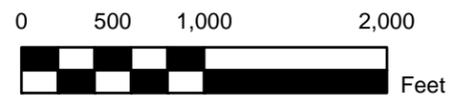
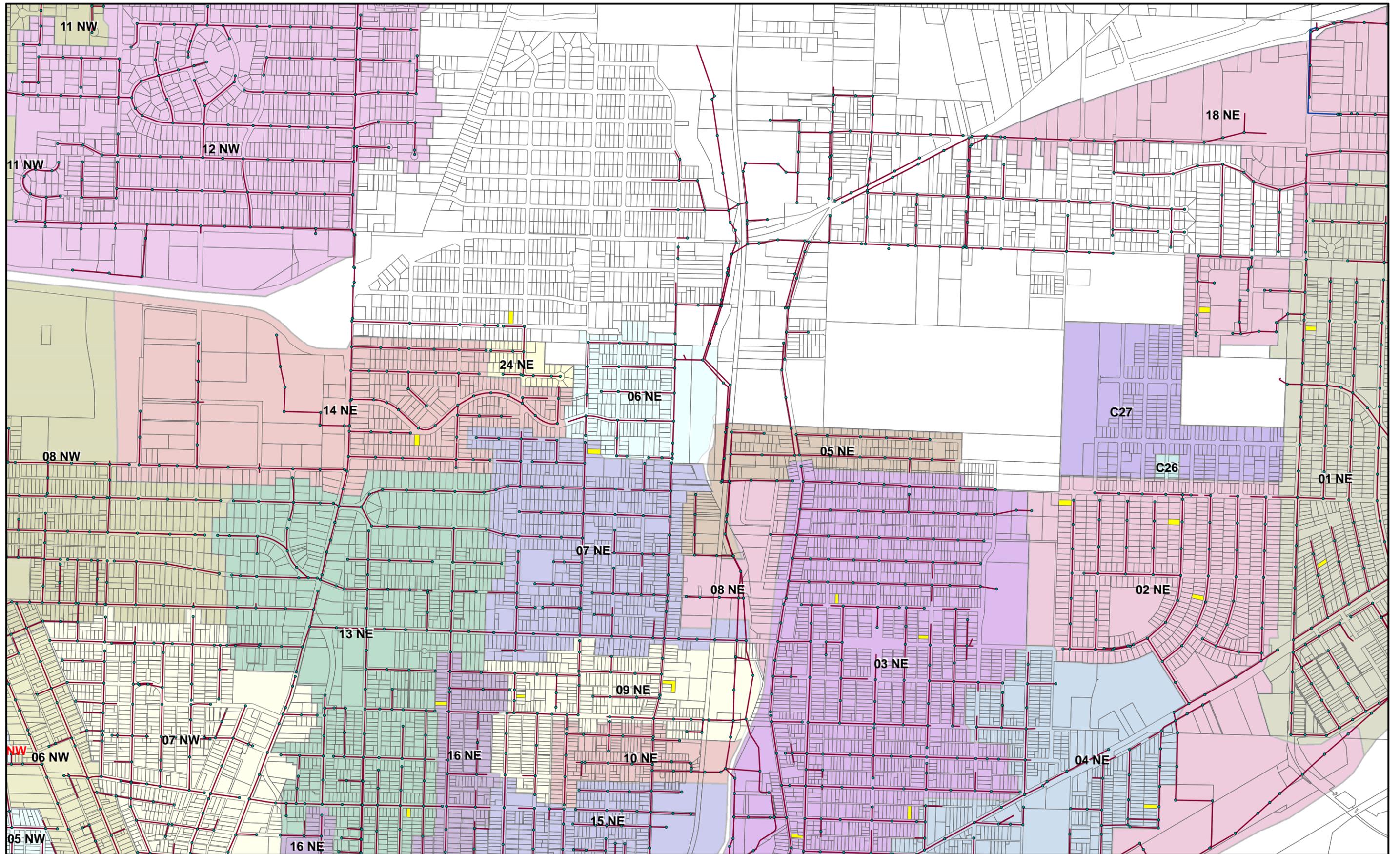


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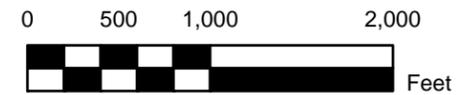
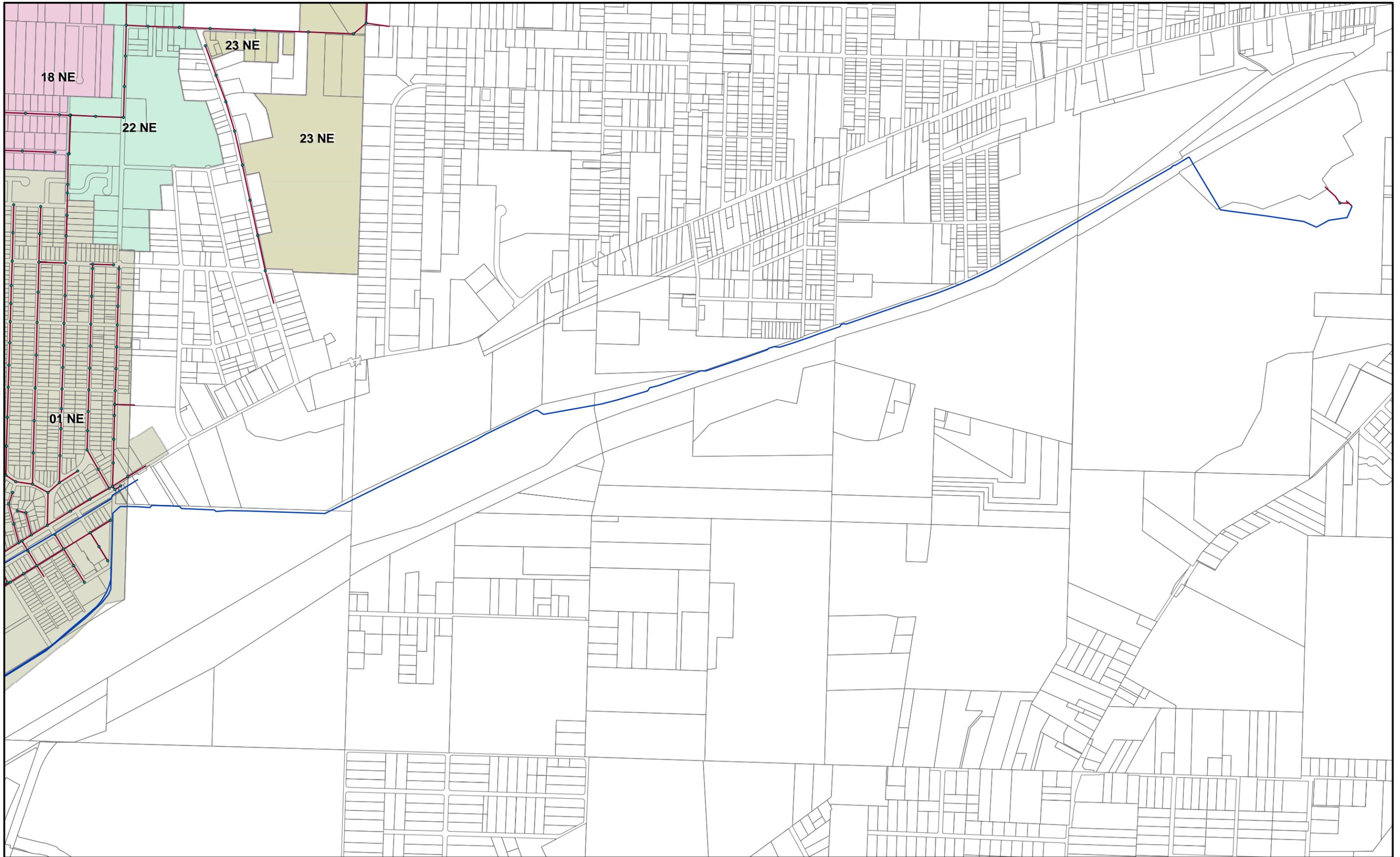




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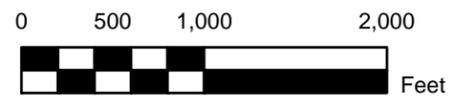
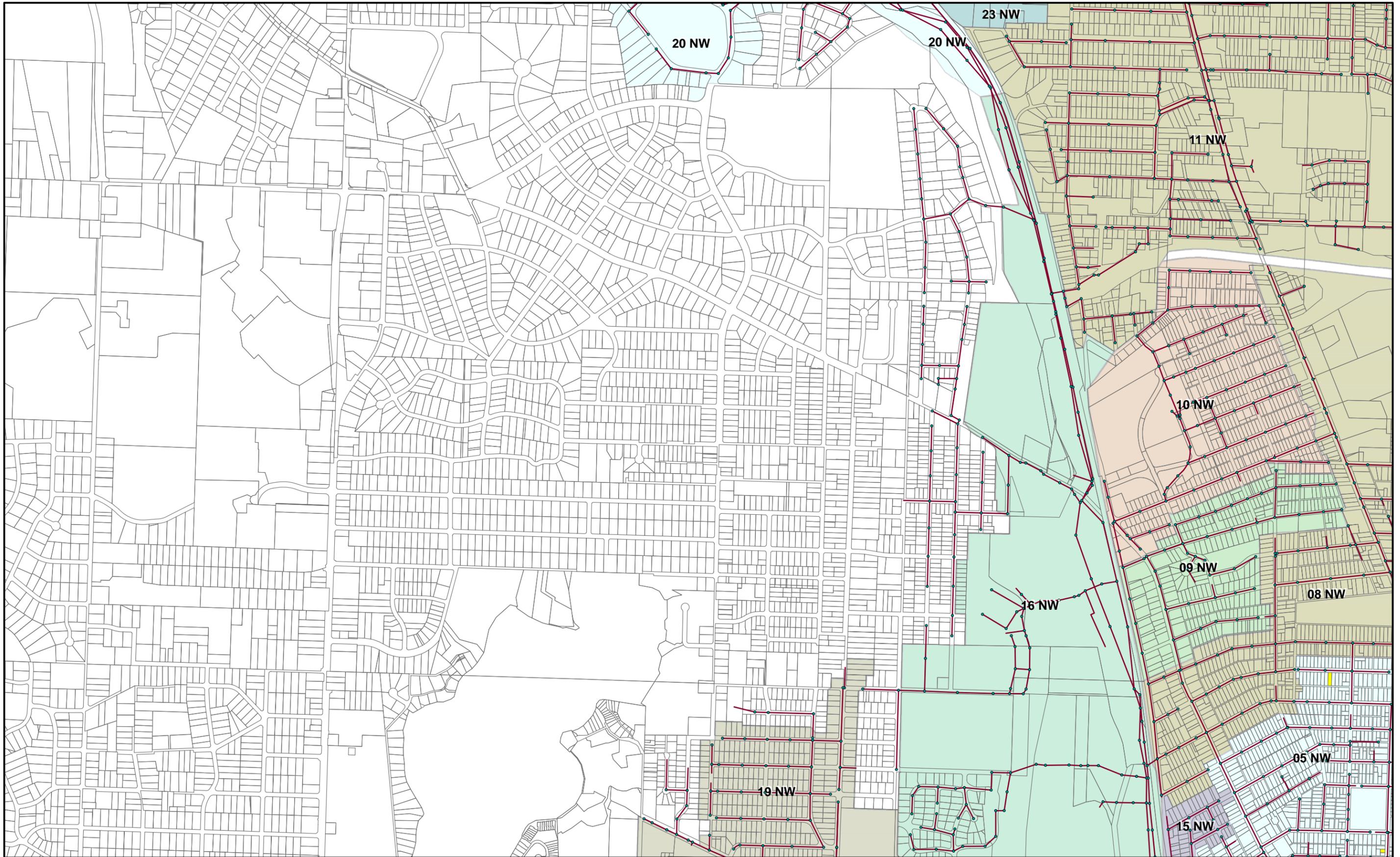




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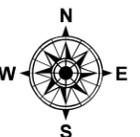
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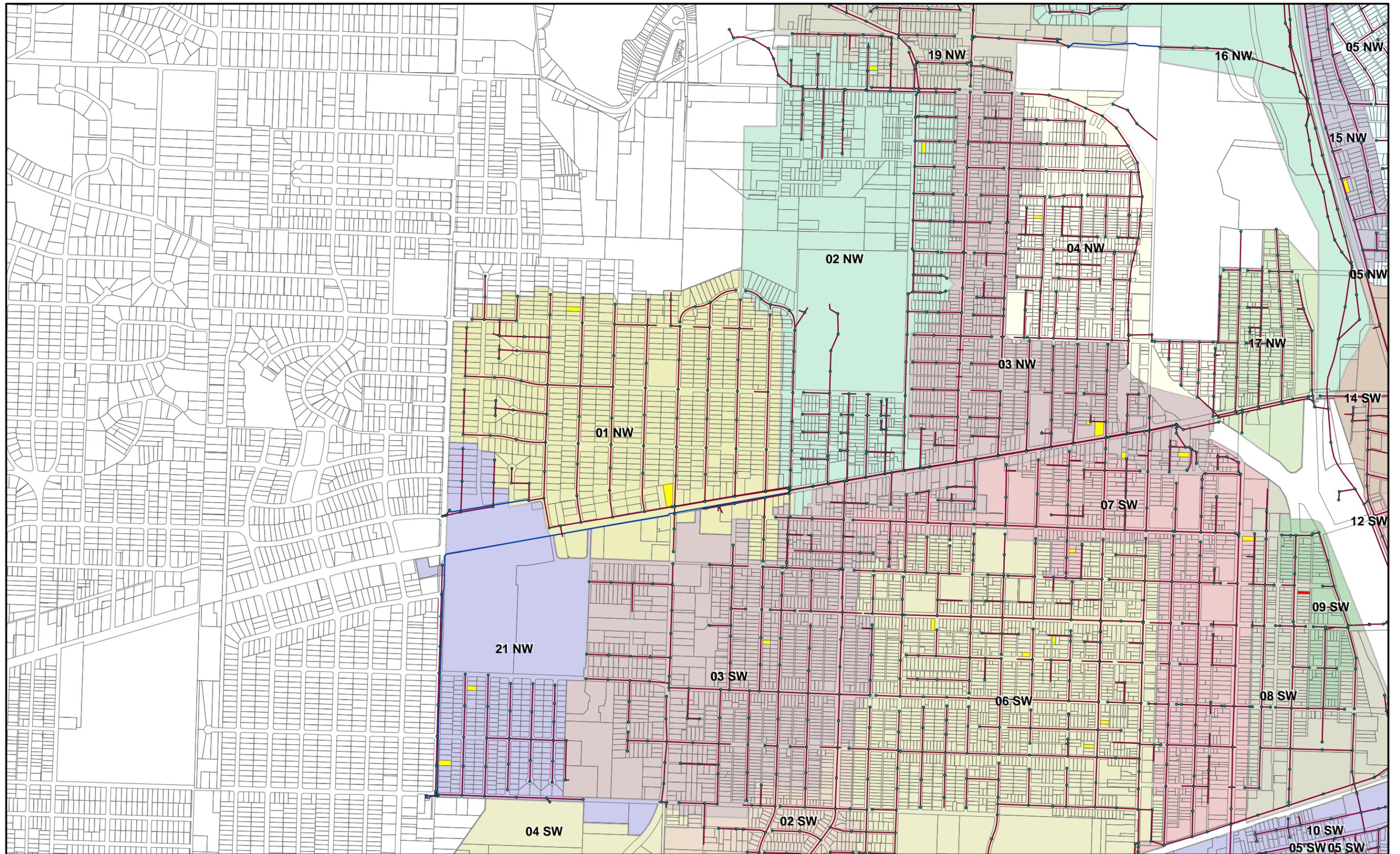




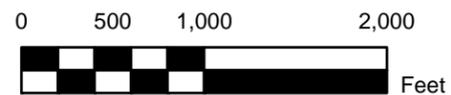
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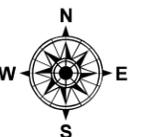


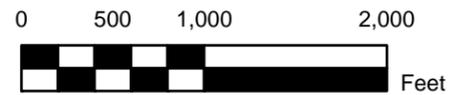
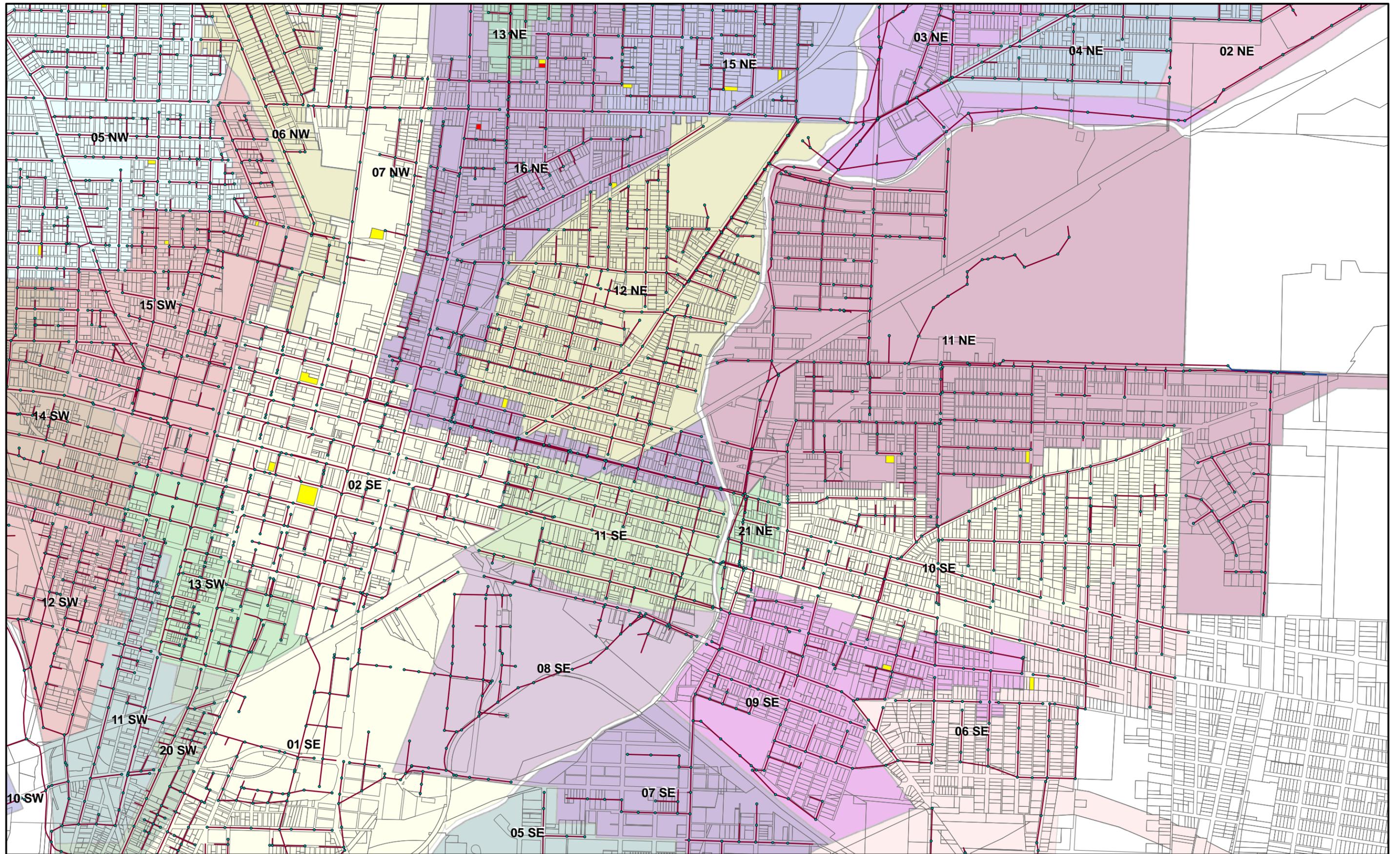


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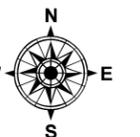
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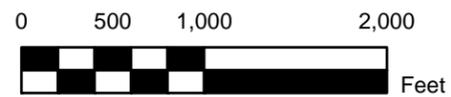
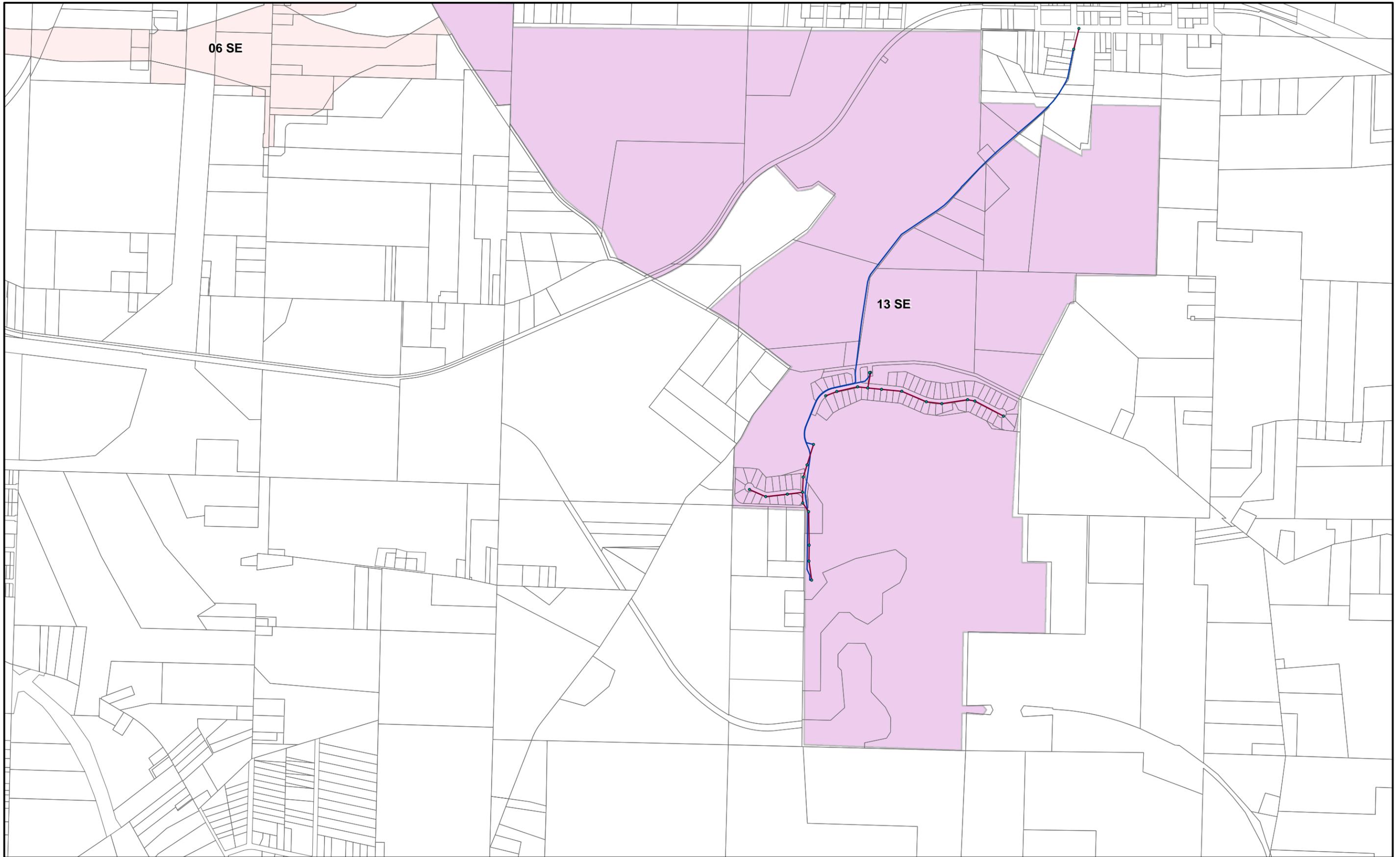




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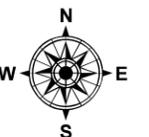
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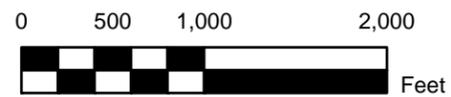
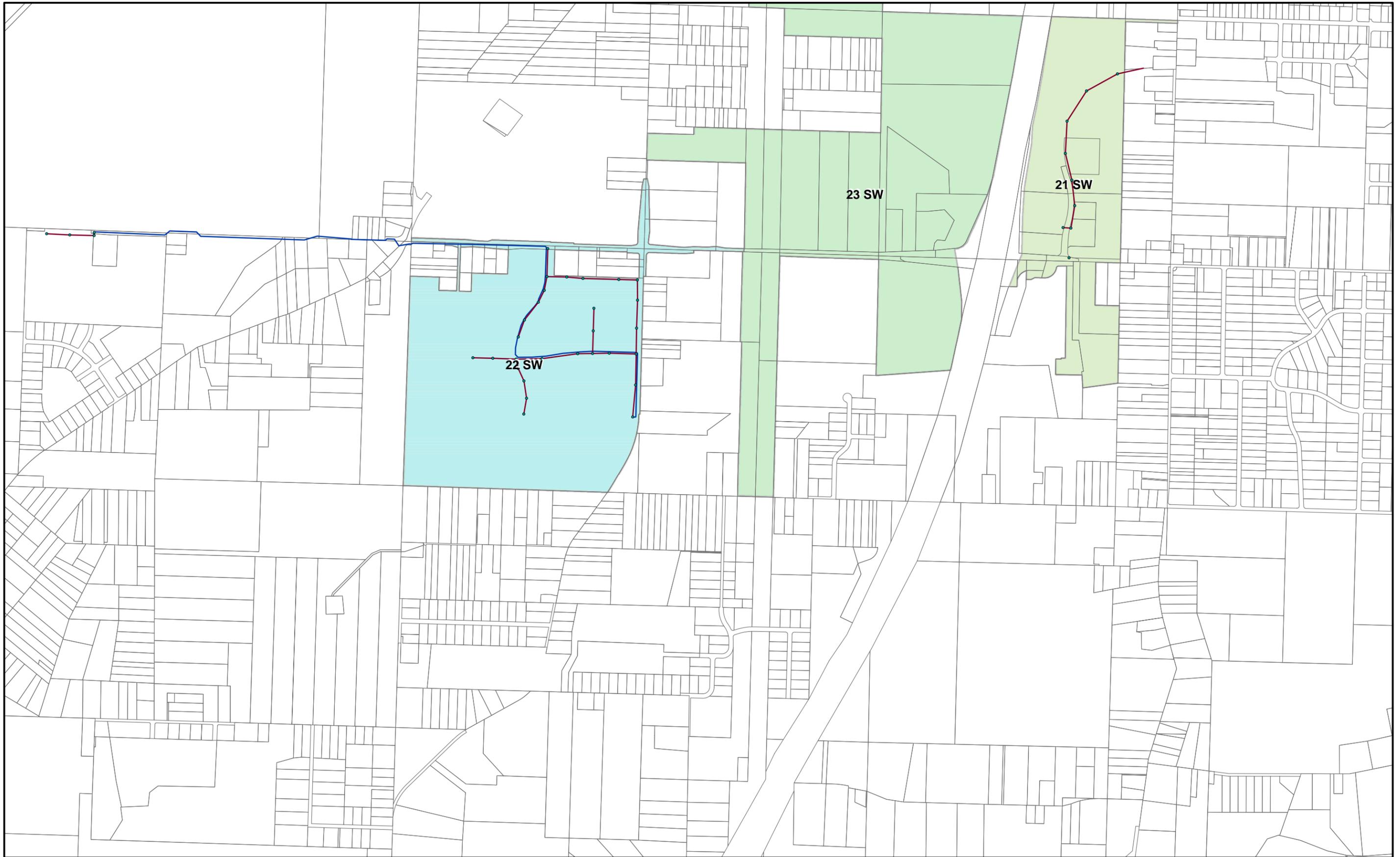




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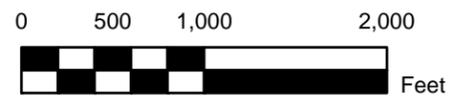
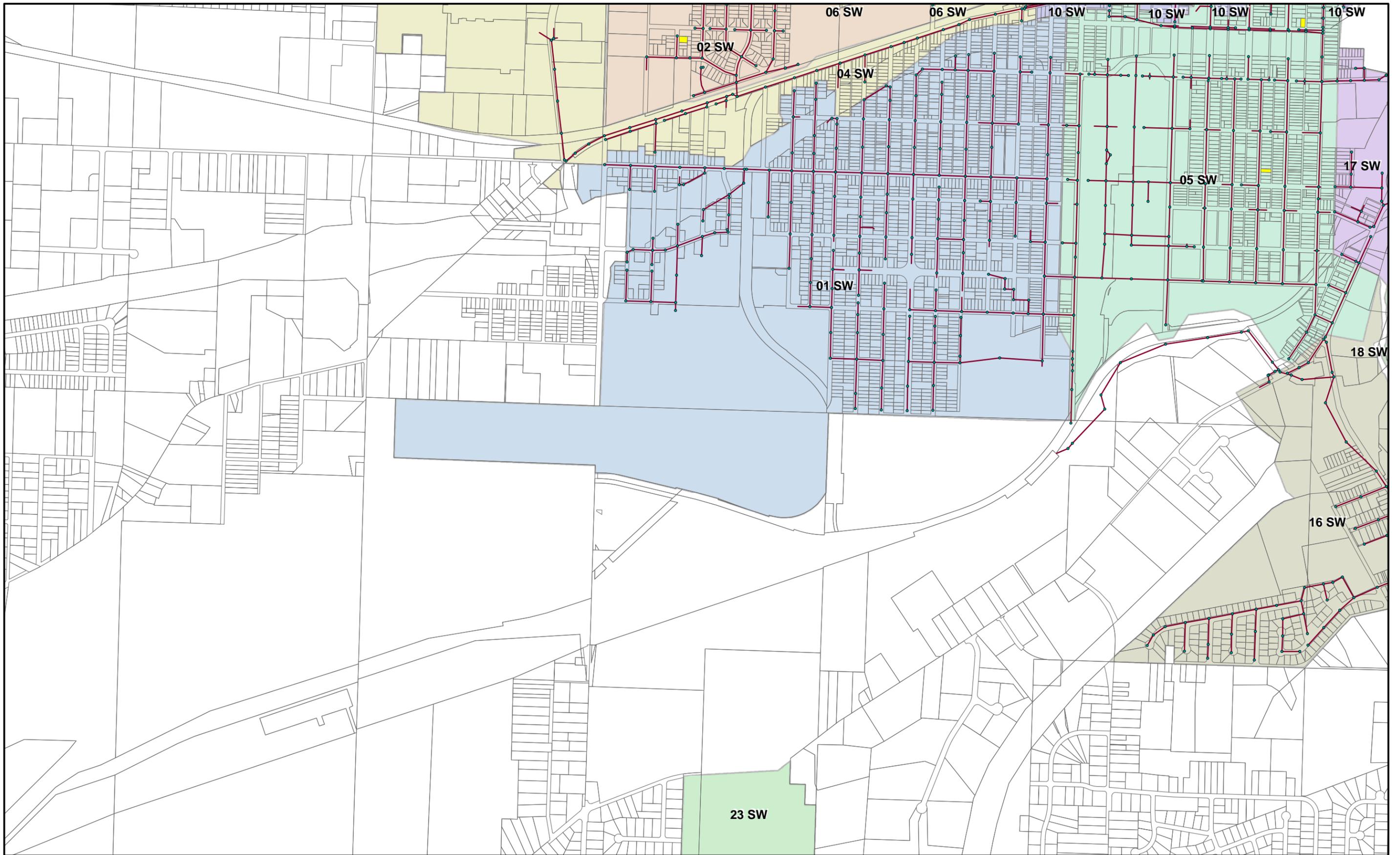




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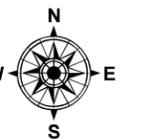
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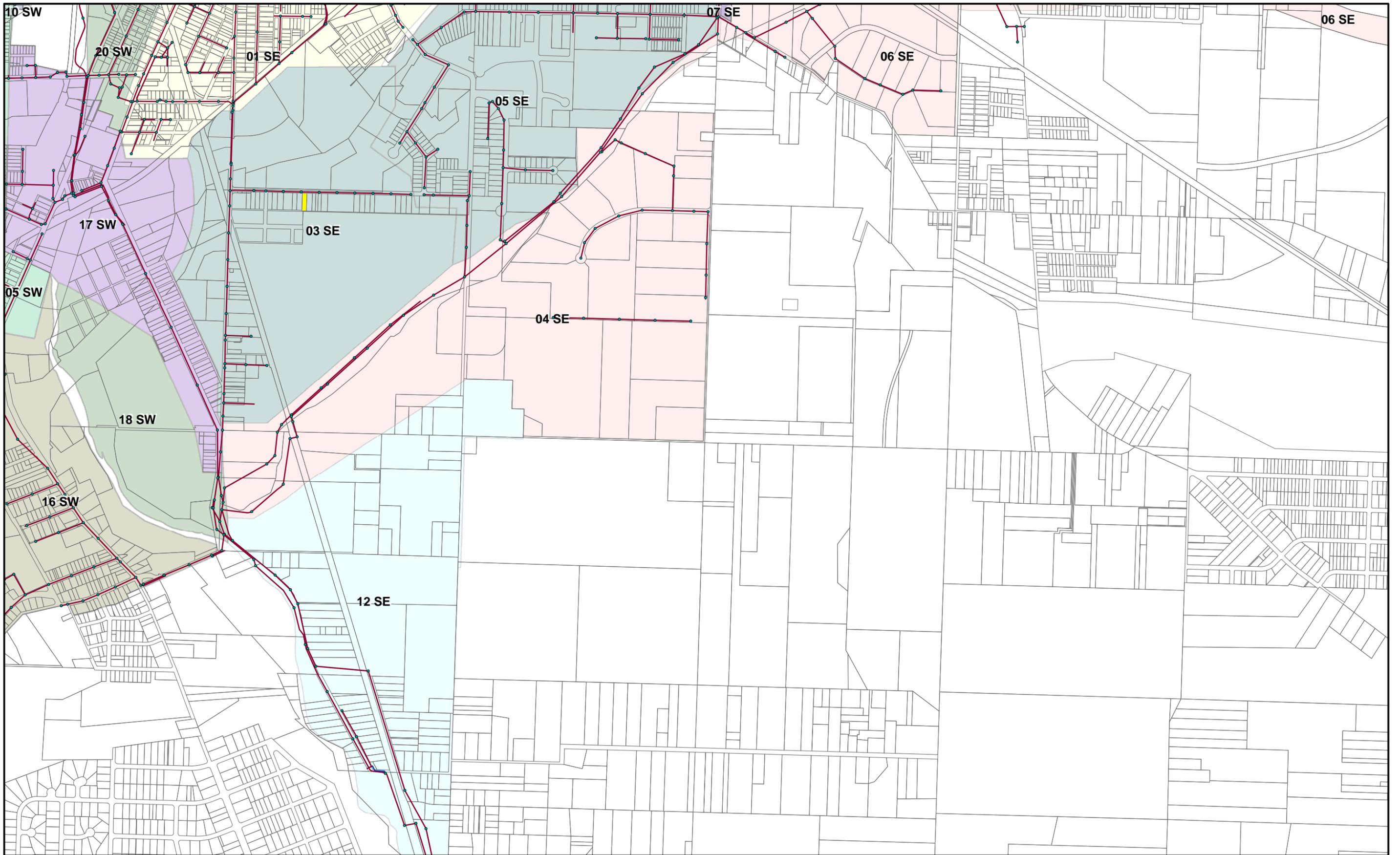




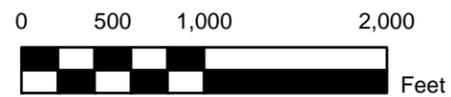
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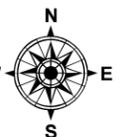




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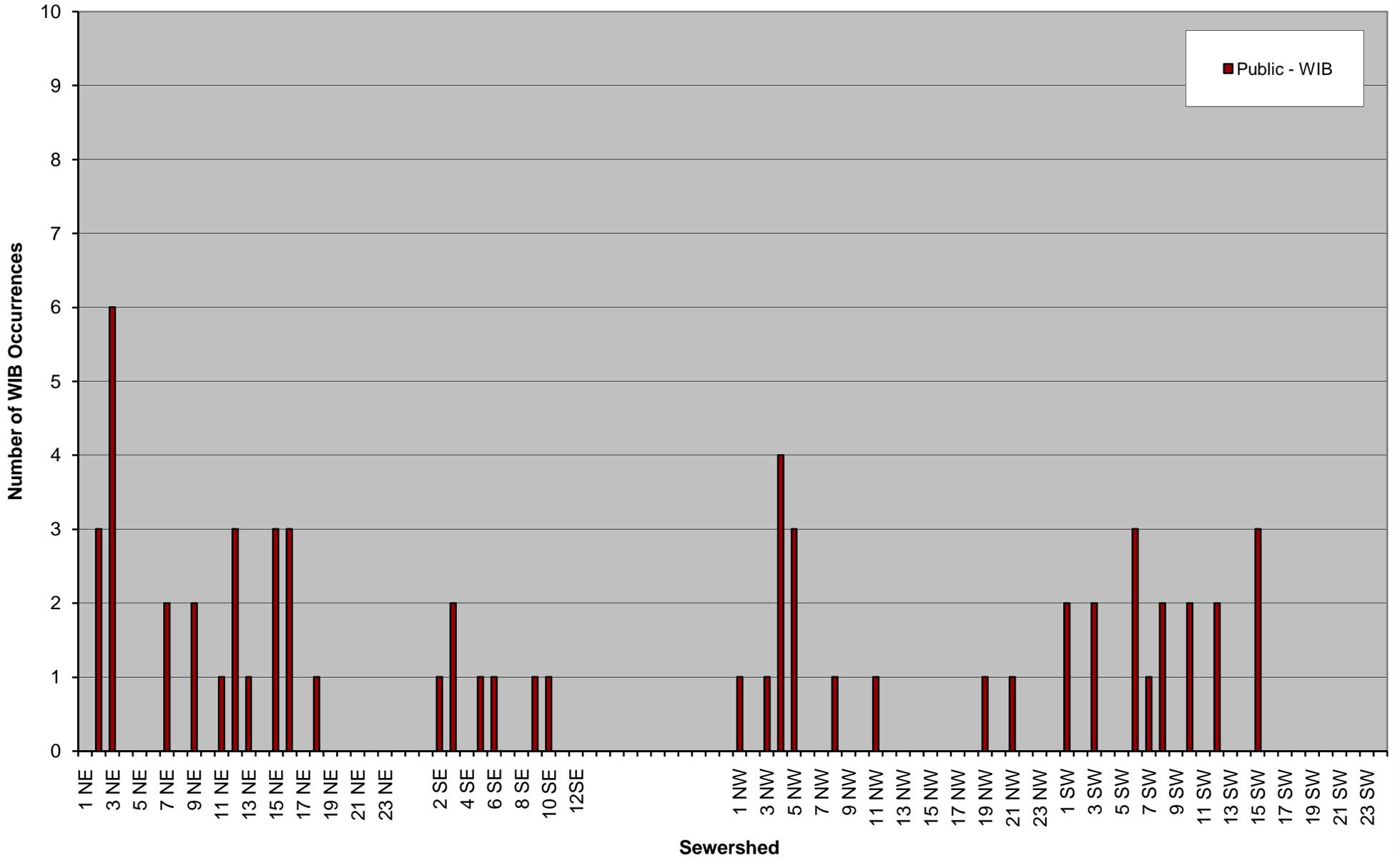


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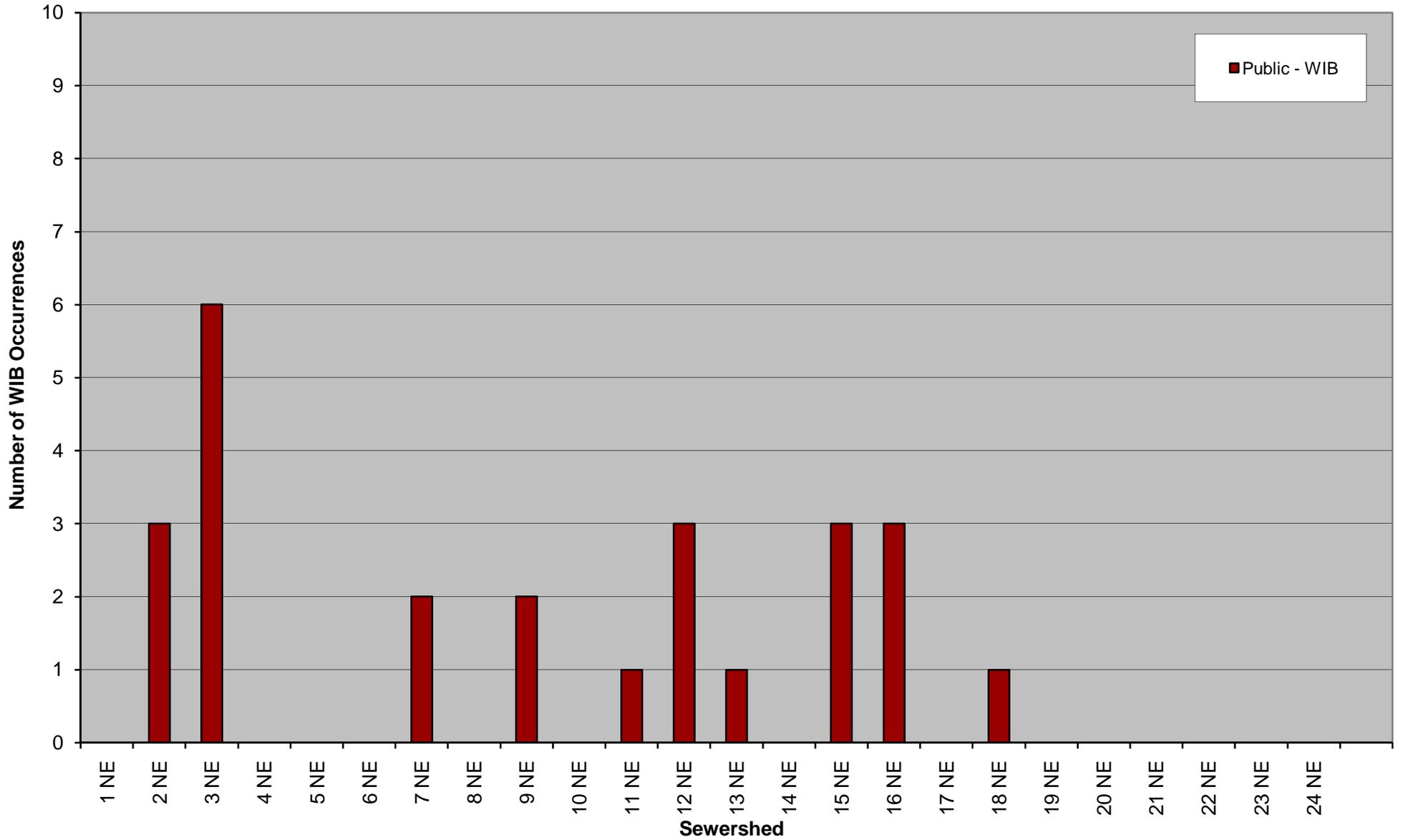


APPENDIX B

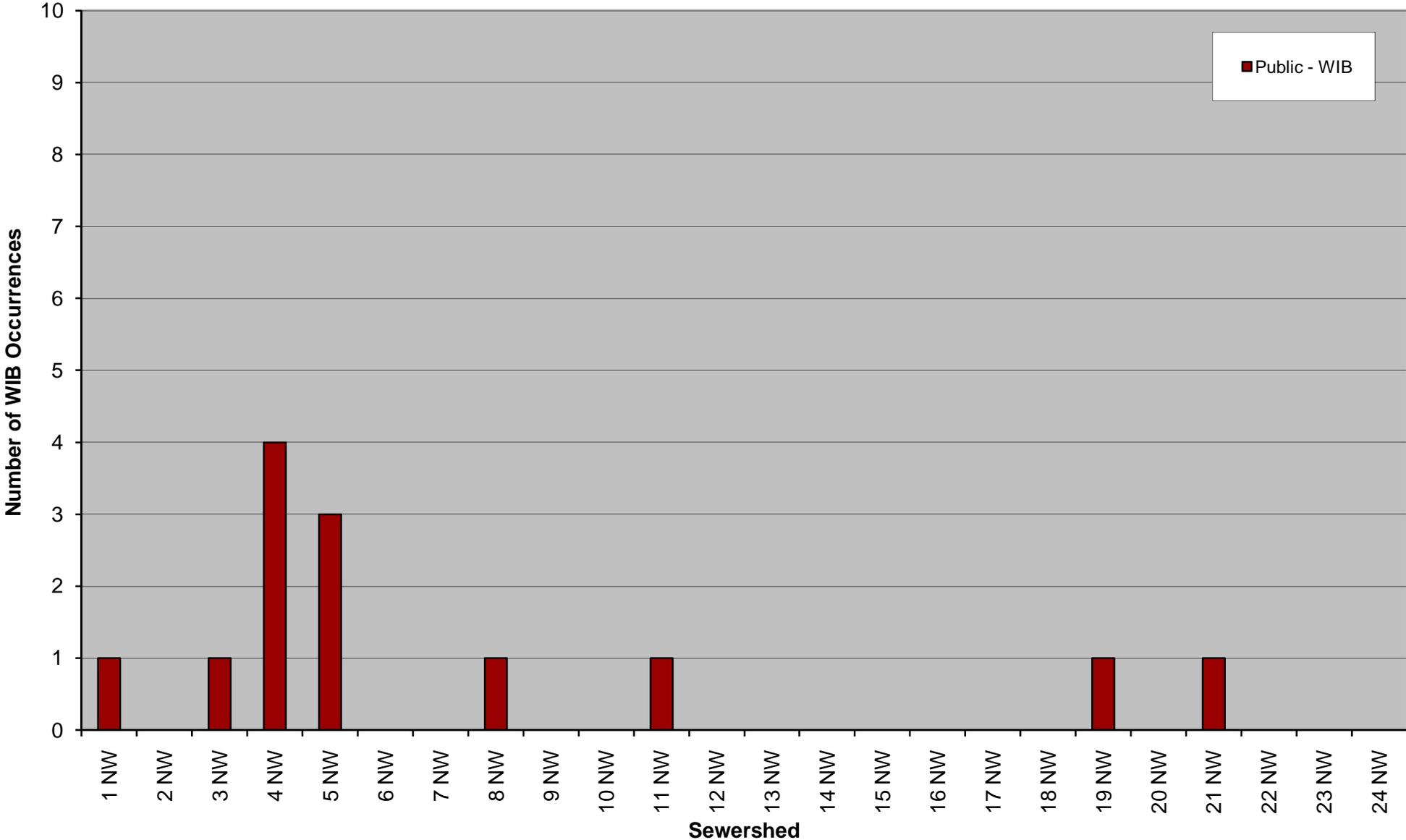
ATTACHMENT B WIB OCCURRENCES BY SEWERSHED



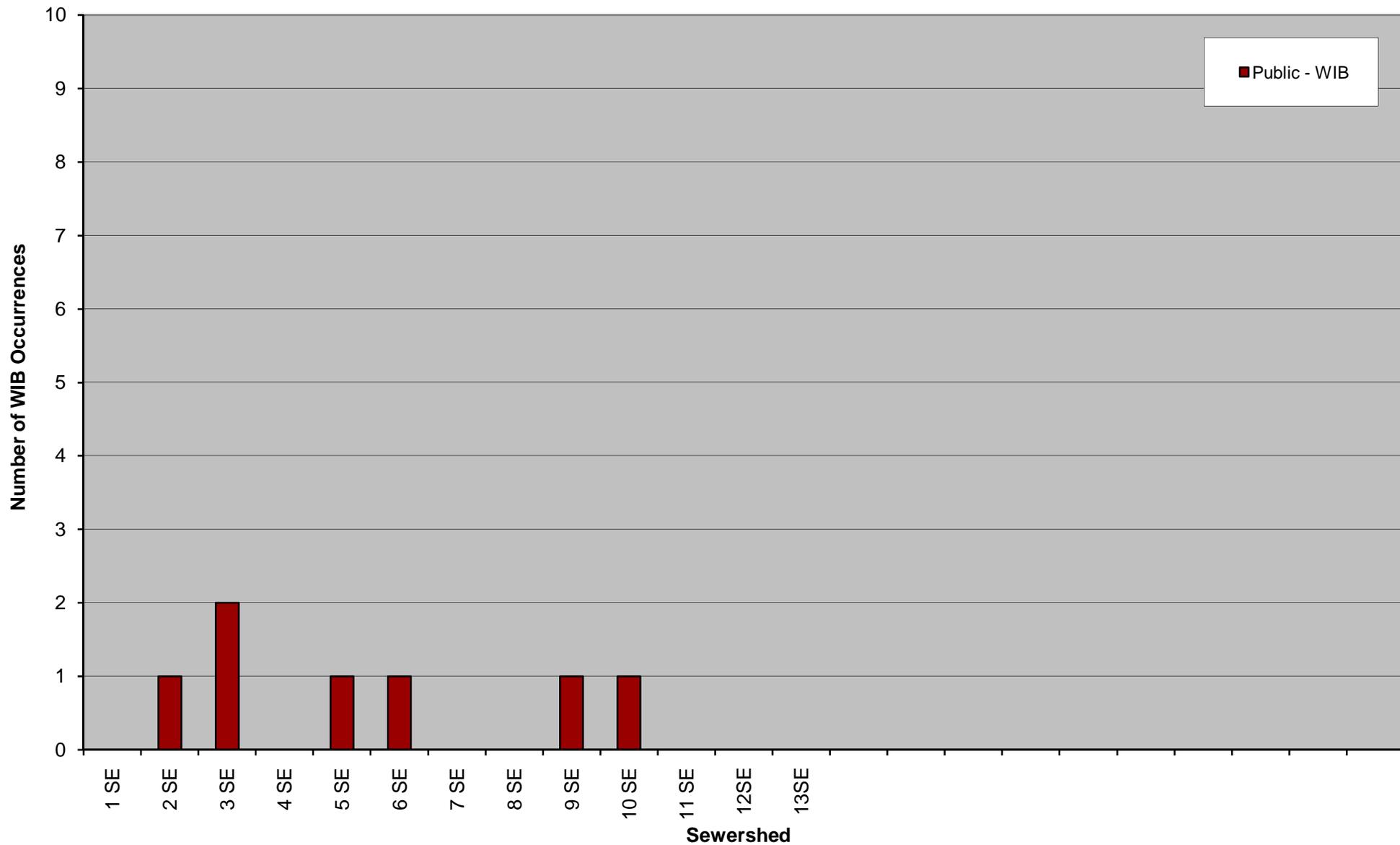
**ATTACHMENT B1
WIB OCCURRENCES BY SEWERSHED (NE QUADRANT)**



**ATTACHMENT B2
WIB OCCURRENCES BY SEWERSHED (NW QUADRANT)**



**ATTACHMENT B3
WIB OCCURRENCES BY SEWERSHED (SE QUADRANT)**



**ATTACHMENT B4
WIB OCCURRENCES BY SEWERSHED (SW QUADRANT)**

