

A Master Plan for Sidewalks



Prepared by the Greenville
Public Works Department

Draft October 2019



Overview

In 2018, the Town of Greeneville contracted with Lamar Dunn Associates (LDA) to perform an ADA assessment of our sidewalks, curb ramps, and pedestrian crossings. The sidewalk assessment is attached to this document as Appendix C.

At present, the Town maintains approximately 130,000 linear feet (25 miles) of sidewalks. LDA was charged with surveying these surfaces to determine ADA compliance in the following areas:

- Running Slope – 5% max or meets road grade
- Cracked Panels - % of panels that contained cracks for an observed section
- Displacement – none or less than ¼”, ½” if beveled
- Protrusions – none, or protrusions at or below 36” high and 6” or less
- Cross Slope – 2% max
- Passing Space – not required if sidewalk is 5’ or greater in width or less than 200’ feet in length
- Separations/Openings – measured with of any sidewalk separations/openings
- Sidewalk Width – minimum 48” width required

For these criteria, LDA evaluated each respective sidewalk section to determine compliance and graded each at the percentage passing (e.g. 100% compliant, 50% compliant, 0% compliant, etc.). LDA then used these grades to determine a “composite” compliance grade for each section. The Public Works Department will use these composite “grades” to determine priority in our sidewalk replacement plan, although other factors may also apply, including coordination with construction projects of other agencies (e.g. TDOT, Greeneville Light & Power, etc.), utility conflicts, our own resurfacing projects, and budgetary constraints.

The length and percentages of sidewalks and their respective composite grades are as follows:

Composite %	Length (ft)	Percentage of Total
100%-76%	60,909	47.1%
75%-51%	51,889	40.2%
26%-50%	15,392	11.9%
25% & below	1,029	0.8%

These grades can be seen visually on the maps included in Appendix B.

Prioritization

Currently, sidewalks are not considered for replacement unless they have a composite grade in the “50% and below” range. Of the sidewalks in this category, the following criteria shall be used to determine the order of replacement:

Highest Priority

- Reported sidewalk hazards in which a person with a disability is known to use the sidewalk and requires immediate repair.
- Reported sidewalk hazards in a high volume residential or commercial area.
- Sidewalks adjacent to a school, park, or other high pedestrian traffic generator.
- Sidewalks along streets scheduled to be resurfaced.

Medium Priority

- A section of sidewalk that logically links two highly used sidewalk sections where none currently exists.
- Areas where sidewalks do not exist, but where there is evidence of high pedestrian traffic.
- Sidewalks with a composite grade of higher than 50%.

Low Priority

- Streets in industrial zones or areas where it may be unsafe for pedestrian traffic.
- Areas where one side of the street is currently served by a sidewalk.

40/60 Sidewalk Program

The Town's 40/60 sidewalk program functions outside of the prioritization parameters and is intended as an opportunity for private property owners whose sidewalks are not considered "high priority" to have the replacement of their sidewalks expedited. Under this program, the property owner agrees to pay 40% of the replacement cost (including equipment and labor) and the Town pays the remainder.

Construction Standards and Budgeting

The Greeneville Public Works Department typically constructs 6" sidewalks, both when replacing existing sidewalks and constructing new ones. For budgeting purposes, the following rates shall apply:

Description	Unit	Unit Price
Removal of existing sidewalk	Square Feet	\$1.00
Concrete Sidewalk	Square Feet	\$3.00

Sidewalk Replacement Schedule

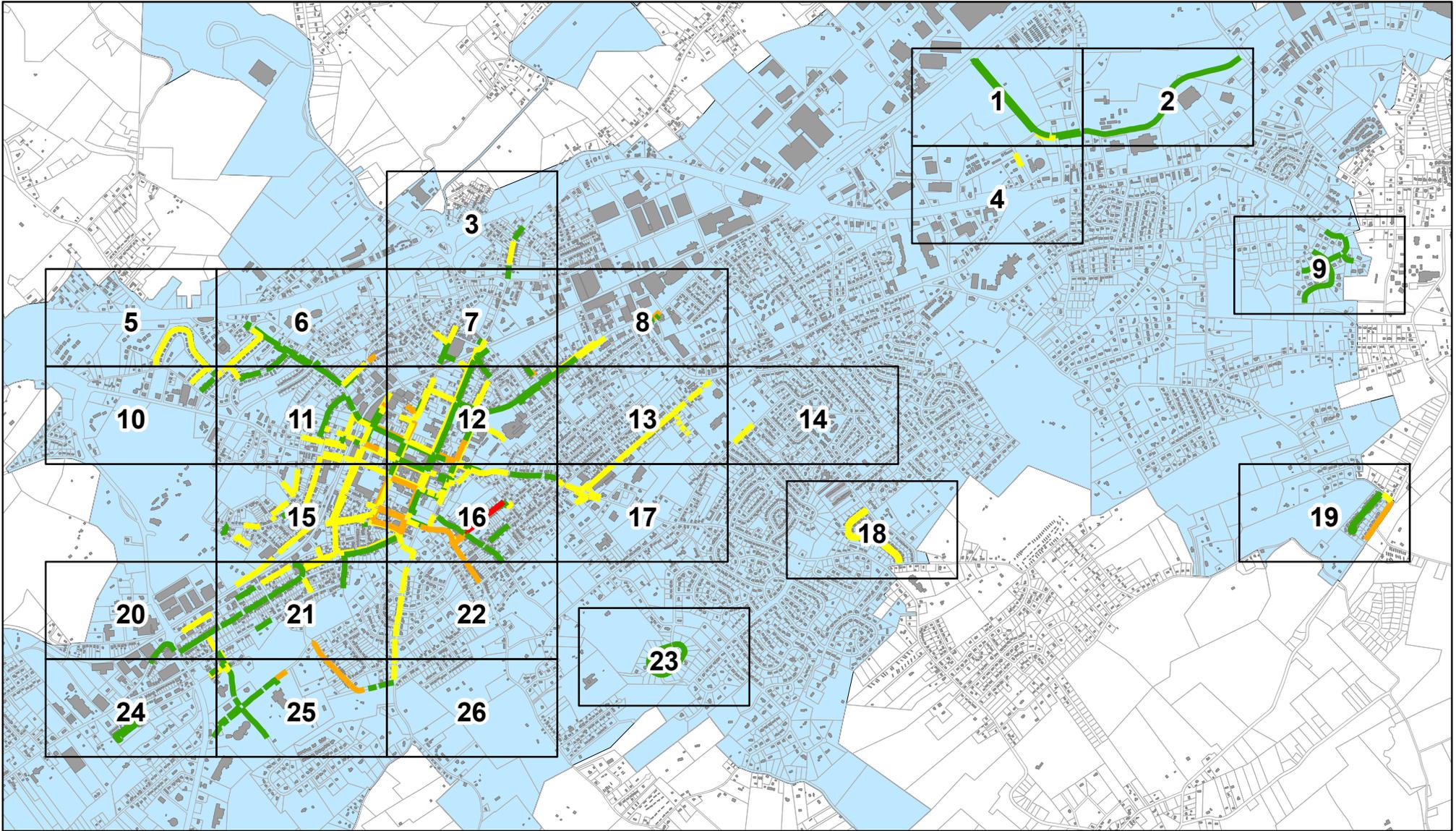
The sidewalk replacement schedule is found in Appendix A.

Appendix A
Sidewalk
Replacement
Schedule

Sidewalk Replacement Schedule (Draft)

Budget Year	Location	Description	Length (ft)	Width (ft)	Area (ft ²)	Unit Price	Extended	Notes
2020	North side_Unaka Street_Unaka Alley to ParkSt	Remove & Replace	1,029.0	5.0	5,145.2	\$ 4.00	\$ 20,580.98	Most of sidewalk has completely degraded
2020	South side E Church St - N College St to AJ Bank	Remove & Replace	193.0	6.0	1,158.0	\$ 4.00	\$ 4,632.00	Area in front of Mr. Wurtzel's Shop
2020	S Irish St (both sides) - W Summer to Railroad Tracks	Remove & Replace	2,712.0	5.0	13,560.0	\$ 4.00	\$ 54,240.00	Sidewalk repair to precede resurfacing
2021	E Vann (east side) - GMS to Crescent	New	Funded Separately					Part of Proposed TDOT Grant
2021	N College St (north side) - WSCC to Church	Remove & Replace	465.0	6.0	2,790.0	\$ 4.00	\$ 11,160.00	Requires additional brick work
2021	N College St (south side) - Palmer to Church	Remove & Replace	815.0	5.0	4,075.0	\$ 4.00	\$ 16,300.00	Requires additional brick work
2021	E McKee st (both sides) - N Main to Bernard	Remove & Replace	2,191.0	5.0	10,955.0	\$ 4.00	\$ 43,820.00	Must be coordinated with TDOT & GLPS
2021	N Irish St (both sides) - W Church to Baileyton Rd	Remove & Replace	2,447.0	5.0	12,235.0	\$ 4.00	\$ 48,940.00	Sidewalk repair to precede resurfacing
2021	W Depot St (both sides) - Main to Cutler	Remove & Replace	Funded Separately					Part of Downtown Redevelopment
2022	S Main St (west side) - McKee to Summer	Remove & Replace	417.0	9.0	3,753.0	\$ 4.00	\$ 15,012.00	Requires additional brick work
2022	S Main St (north side) - Charles to McKee	Remove & Replace	234.0	6.5	1,521.0	\$ 4.00	\$ 6,084.00	Requires additional brick work
2022	N Main St (north side) - Spencer to Church	Remove & Replace	1,089.0	6.5	7,078.5	\$ 4.00	\$ 28,314.00	Requires additional brick work
2022	W McKee St (both sides) - Main to S Irish	Remove & Replace	1,143.0	5.0	5,715.0	\$ 4.00	\$ 22,860.00	
2023	S College St (south side) - Park to McKee	Remove & Replace	274.0	5.0	1,370.0	\$ 4.00	\$ 5,480.00	
2023	S College St (east side) - Park to Depot	Remove & Replace	494.0	5.0	2,470.0	\$ 4.00	\$ 9,880.00	
2023	Academy St (east side) - College to Church	Remove & Replace	517.0	5.0	2,585.0	\$ 4.00	\$ 10,340.00	
2023	E Church St (both sides) - Chapel to Bernard	Remove & Replace	903.0	5.0	4,515.0	\$ 4.00	\$ 18,060.00	
2023	E Bernard Ave (both sides) - Church to Tusculum	Remove & Replace	3,422.0	5.0	17,110.0	\$ 4.00	\$ 68,440.00	
2023	E Barton Ridge Rd (north side) - adjacent to ball field	Remove & Replace	535.0	5.0	2,675.0	\$ 4.00	\$ 10,700.00	
2024	Tusculum Blvd (south side) - Sevier to Austin	Remove & Replace	669.0	5.0	3,345.0	\$ 4.00	\$ 13,380.00	
2024	N Main St (both sides) - Spencer to 11E	Remove & Replace	2,440.0	5.0	12,200.0	\$ 4.00	\$ 48,800.00	
2024	Crescent St (west side) - E Vann to Hardin Park	Remove & Replace	677.0	5.0	3,385.0	\$ 4.00	\$ 13,540.00	
2025	N Highland Ave (north side) - to Leonard	Remove & Replace	193.0	5.0	965.0	\$ 4.00	\$ 3,860.00	
2025	Shiloh Rd (west side) - Old Shiloh south for 900 ft	Remove & Replace	953.0	5.0	4,765.0	\$ 4.00	\$ 19,060.00	Add'l funds required to tie in driveways
2025	Old Shiloh Rd (south side) - Colricia to Shiloh	Remove & Replace	230.0	5.0	1,150.0	\$ 4.00	\$ 4,600.00	
2025	W Main St (both sides) - S Main to Crescent School	Remove & Replace	3,174.0	5.0	15,870.0	\$ 4.00	\$ 63,480.00	

Appendix B
Sidewalk
Assessment
Maps



ADA Sidewalk Assessment

Panel Index

Not to Scale

- - Composite Grade 76%-100%
- - Composite Grade 51%-75%
- - Composite Grade 26%-50%
- - Composite Grade 0%-25%

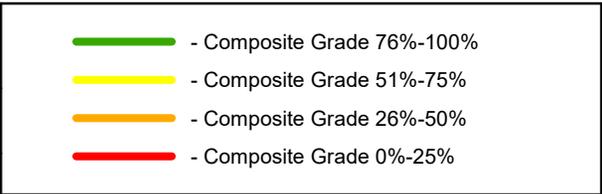
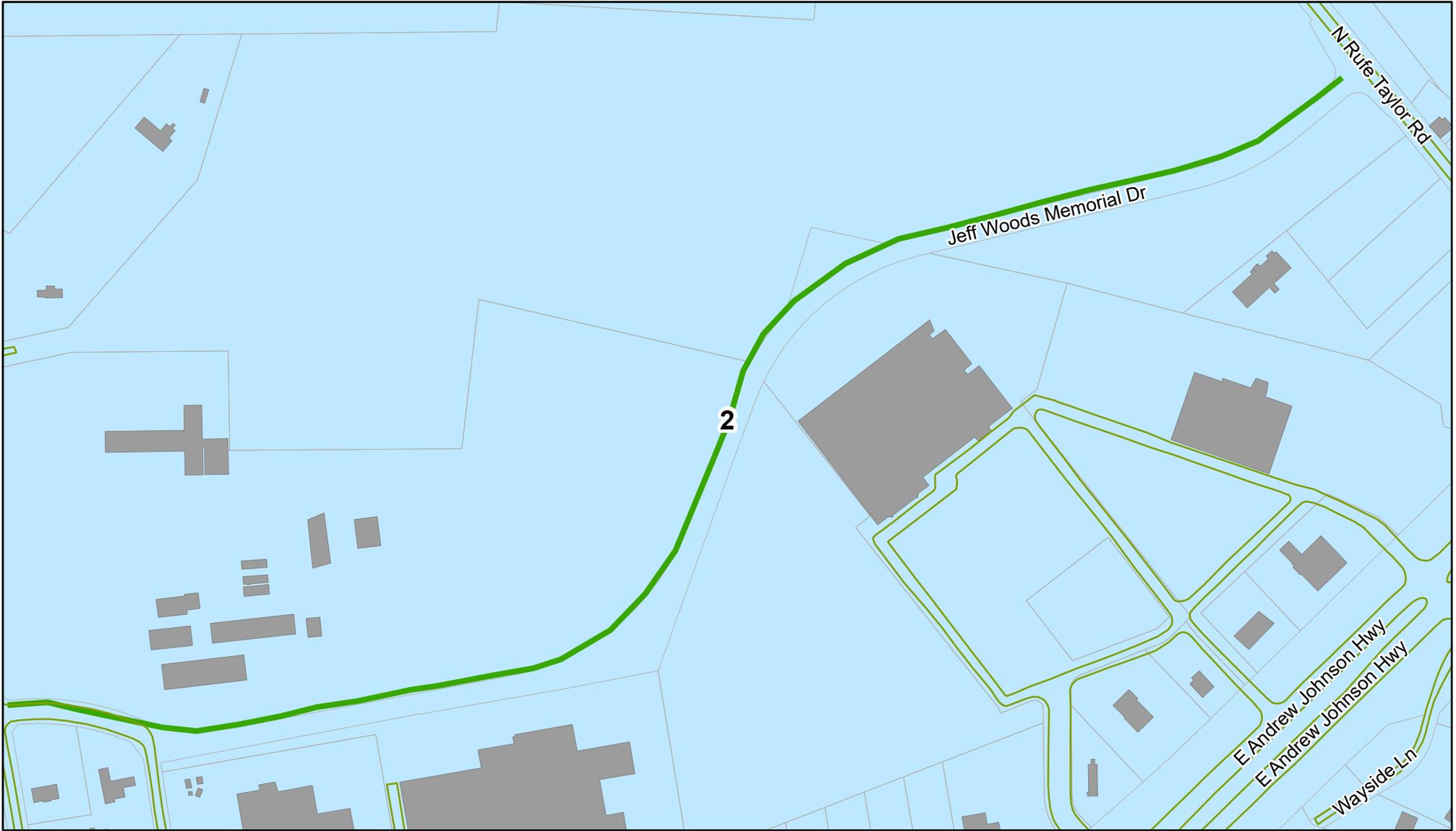


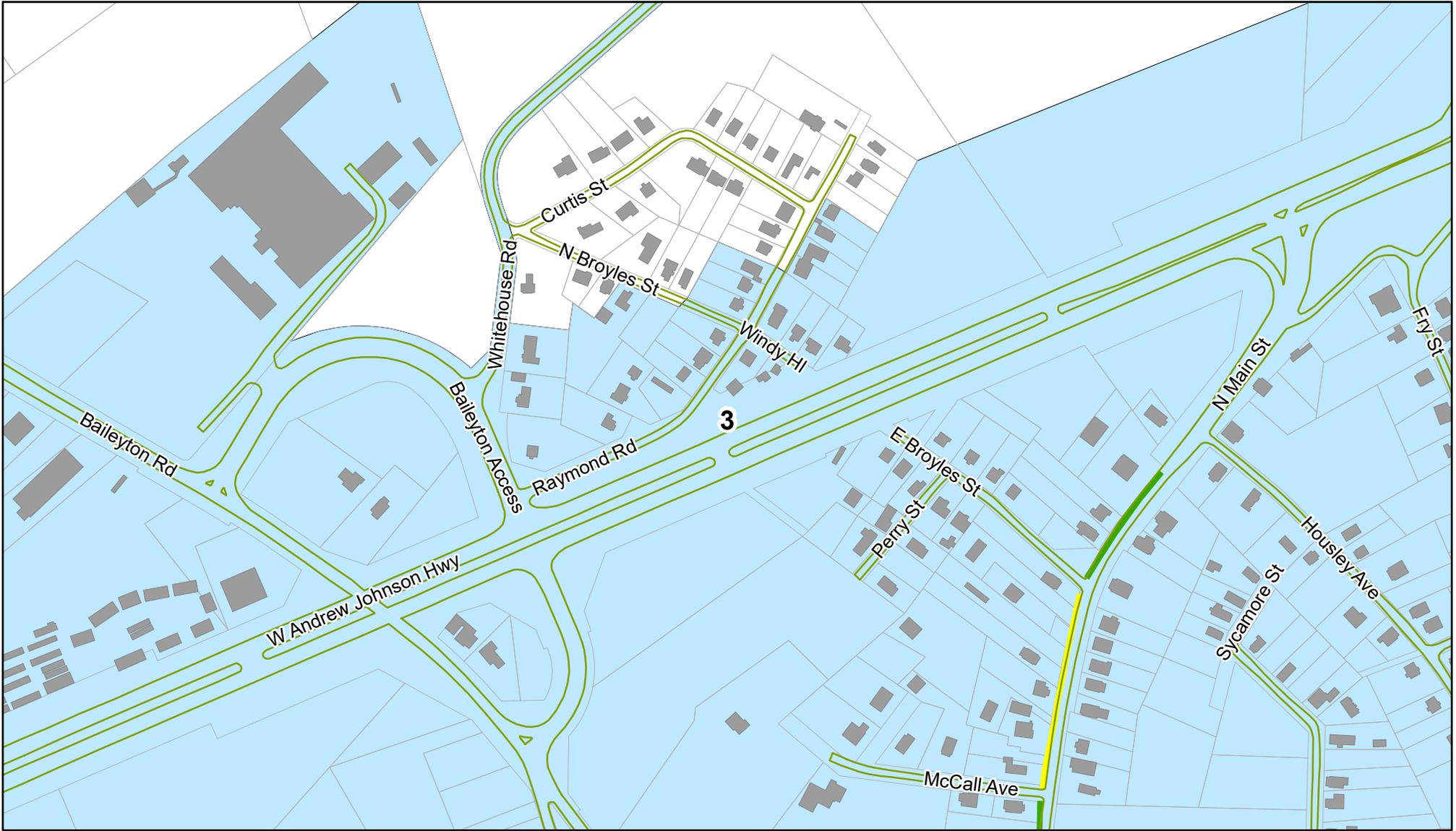
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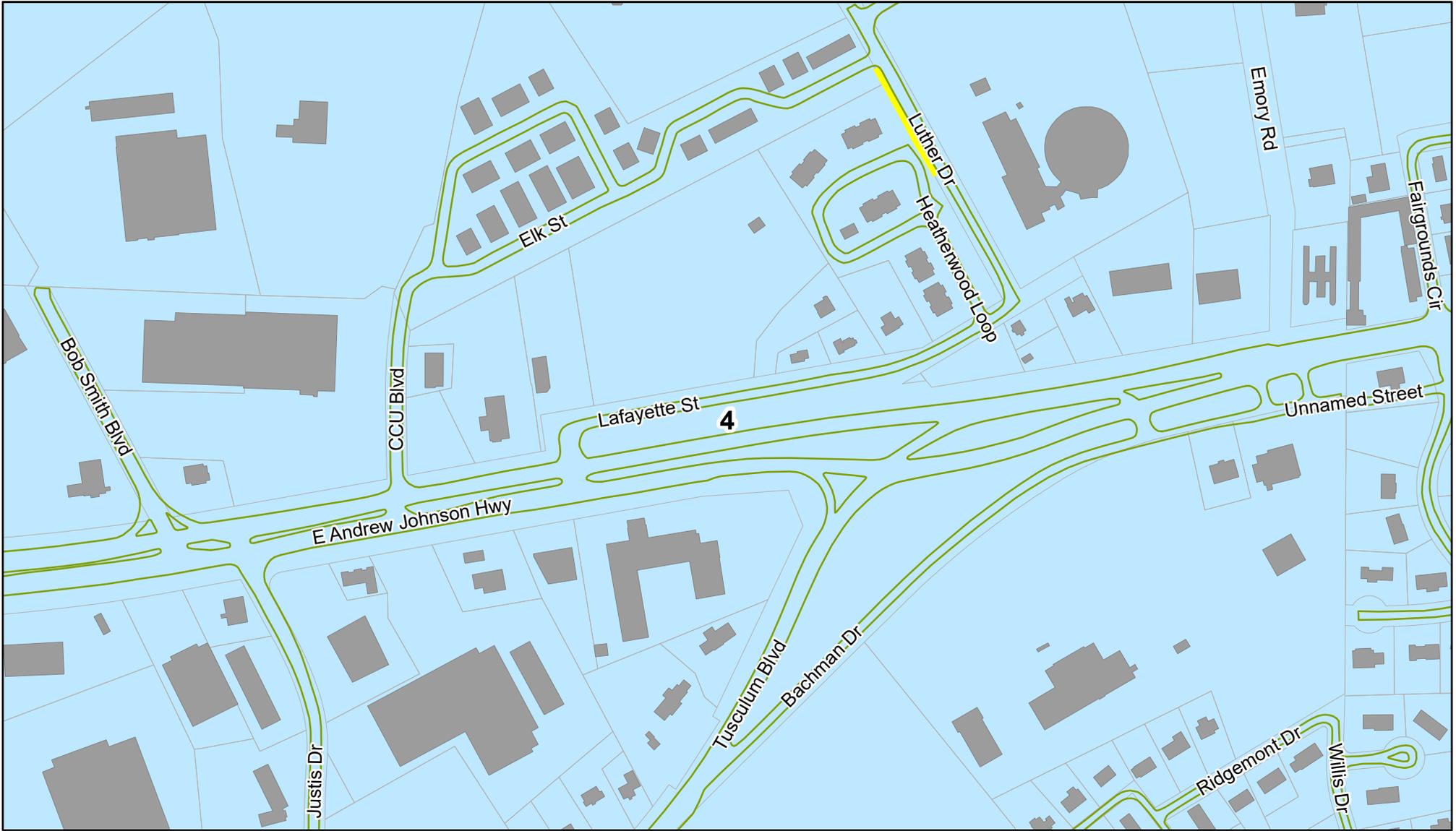


ADA Sidewalk Assessment

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GREENEVILLE
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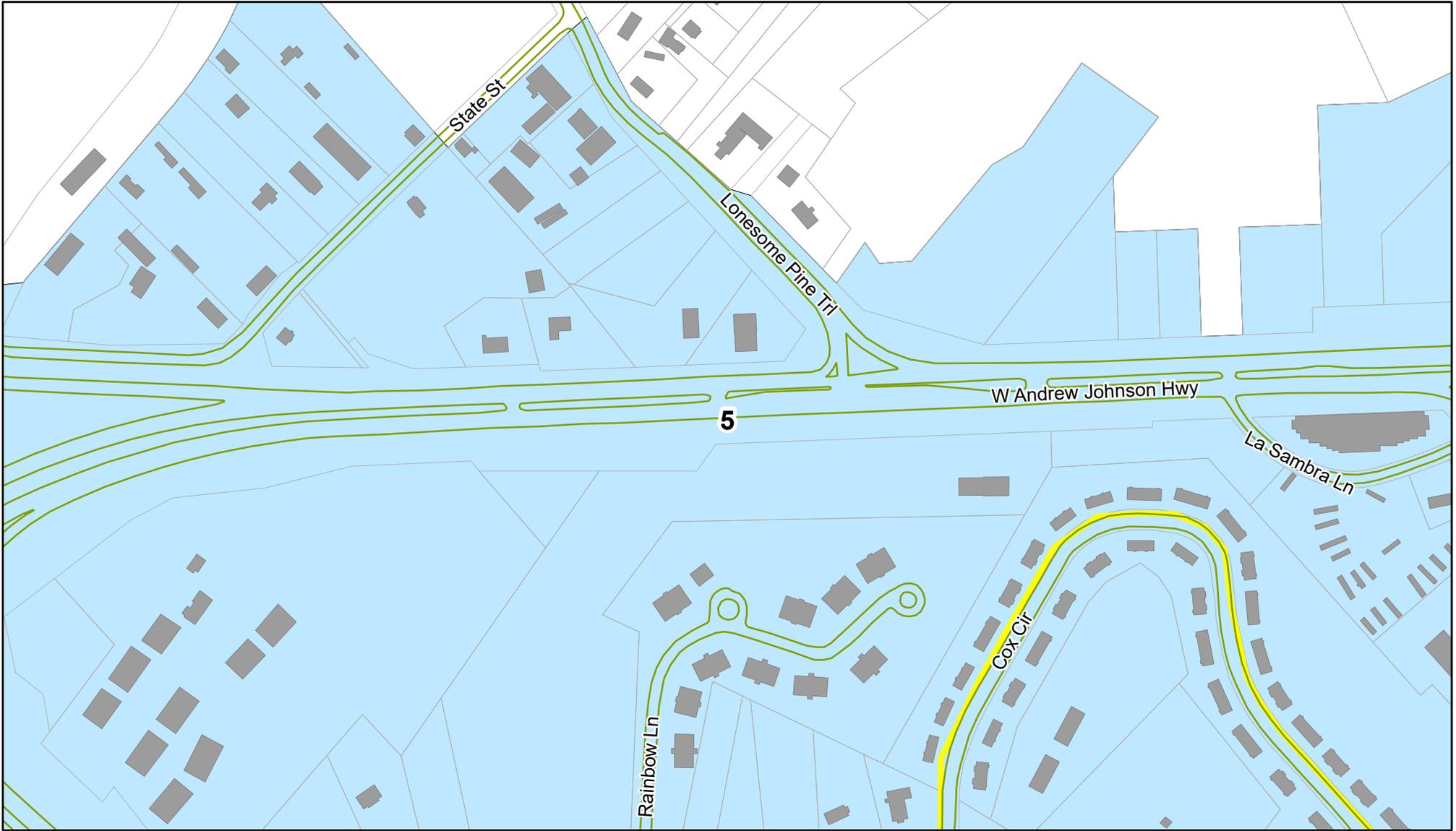


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GREENEVILLE
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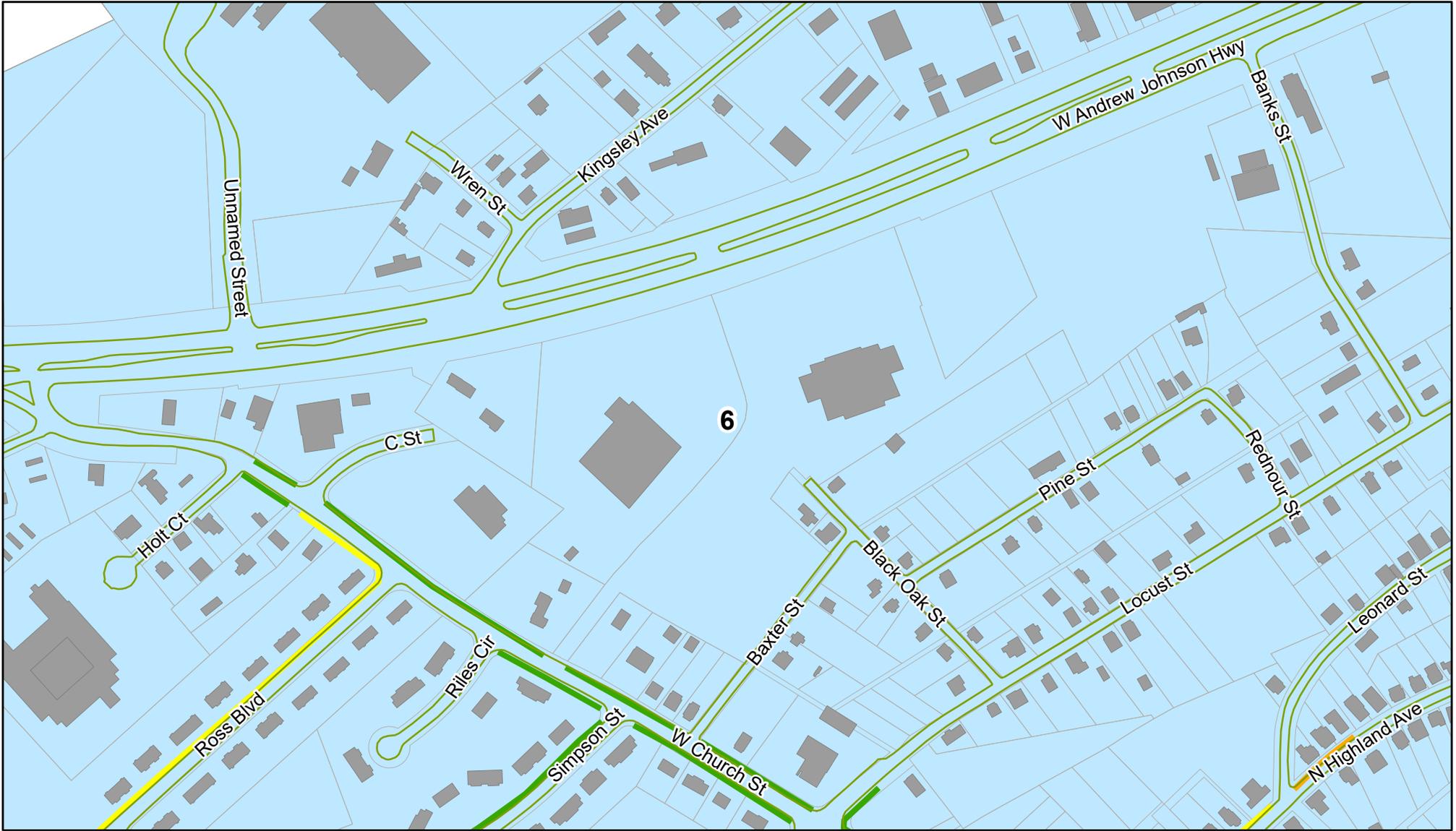


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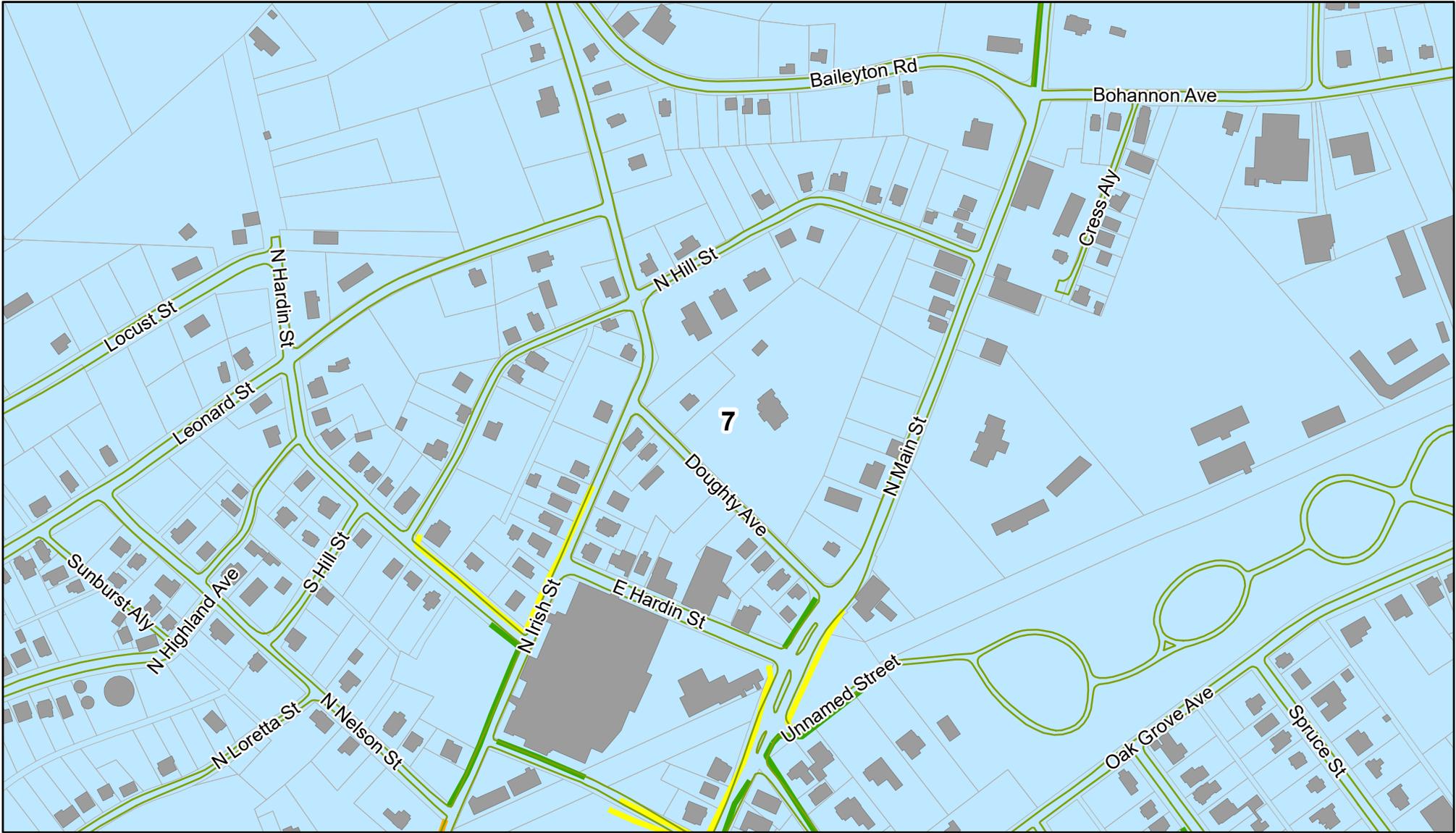


ADA Sidewalk Assessment

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ADA Sidewalk Assessment

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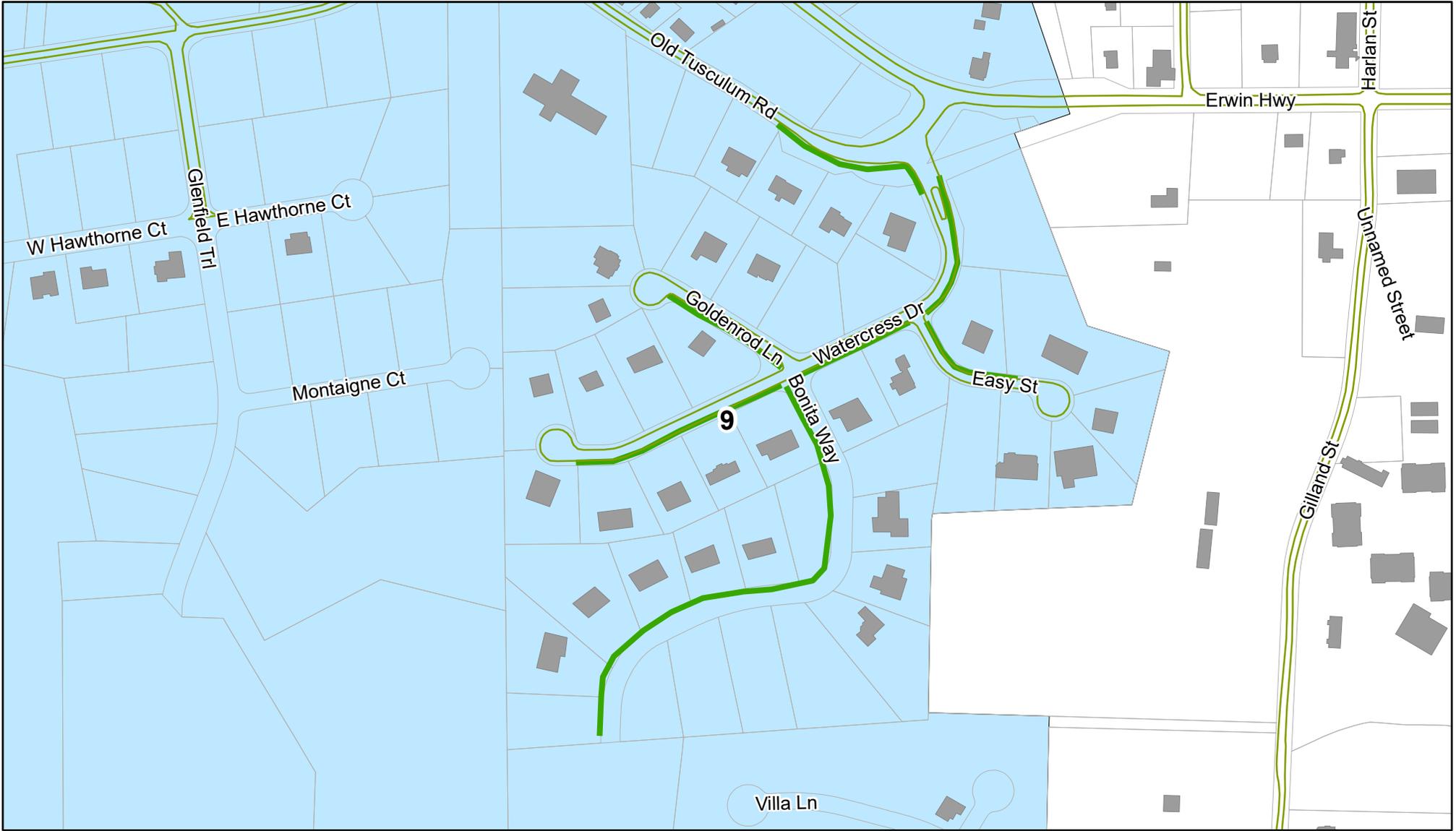


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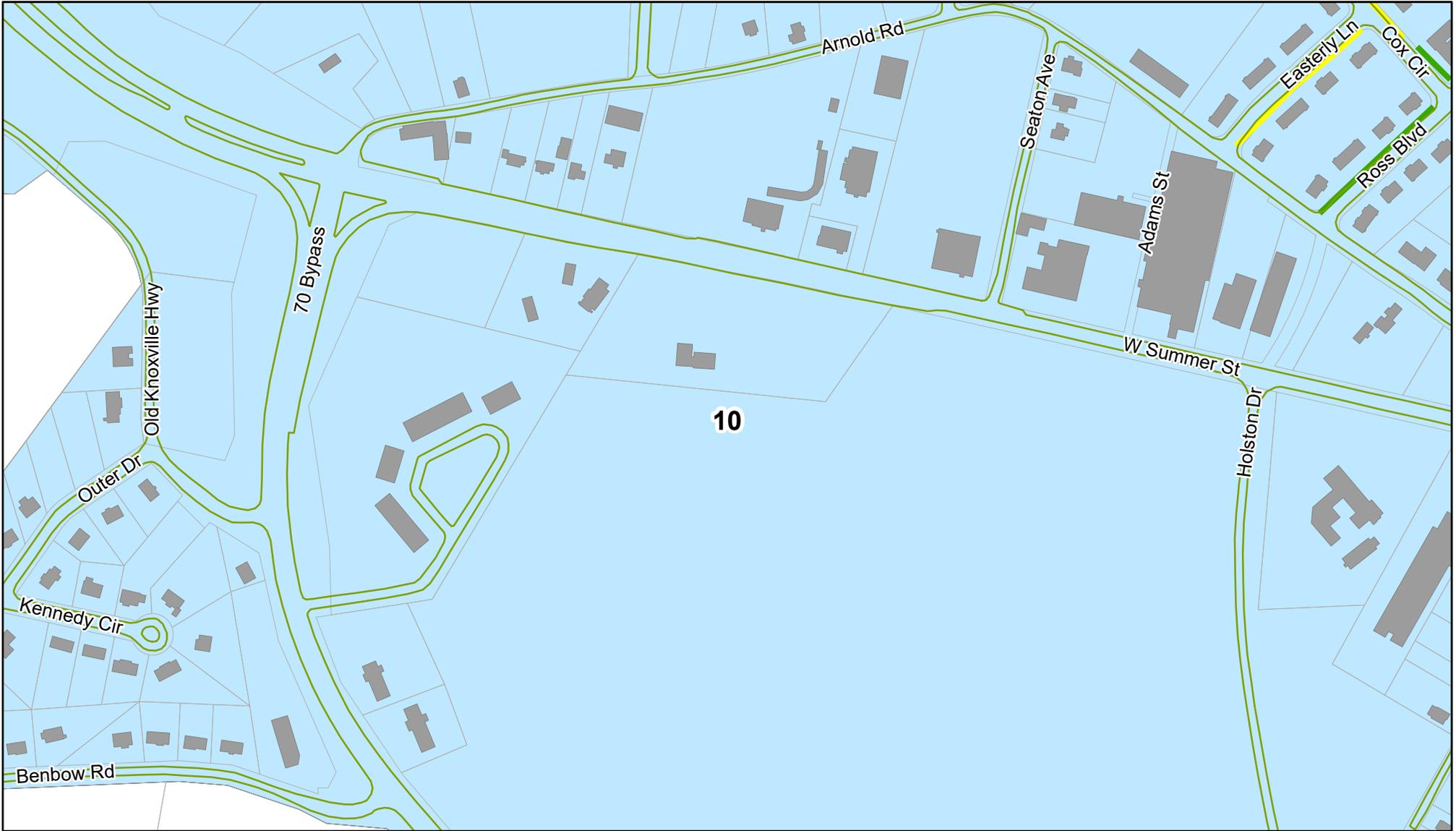


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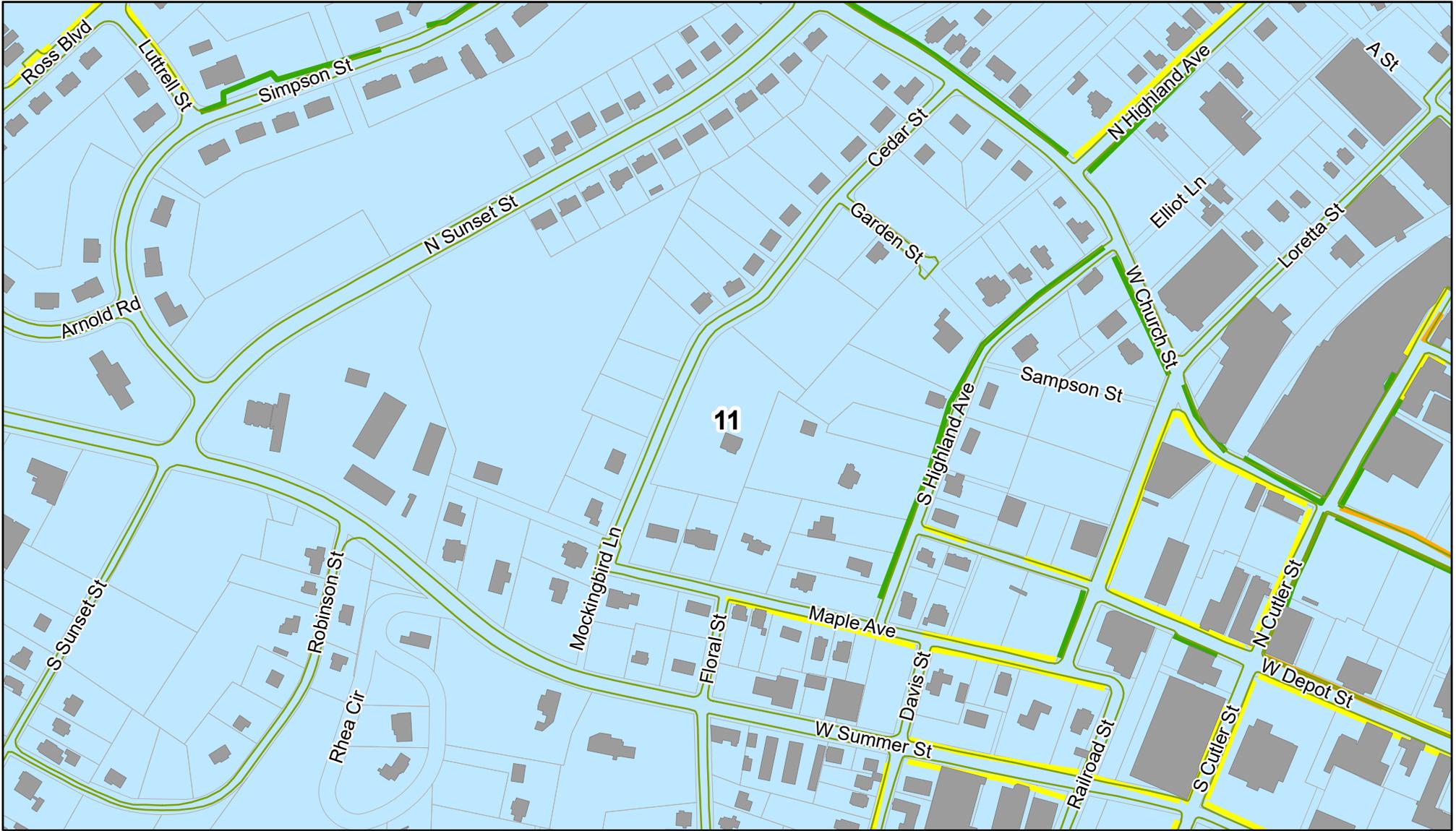


ADA Sidewalk Assessment

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ADA Sidewalk Assessment

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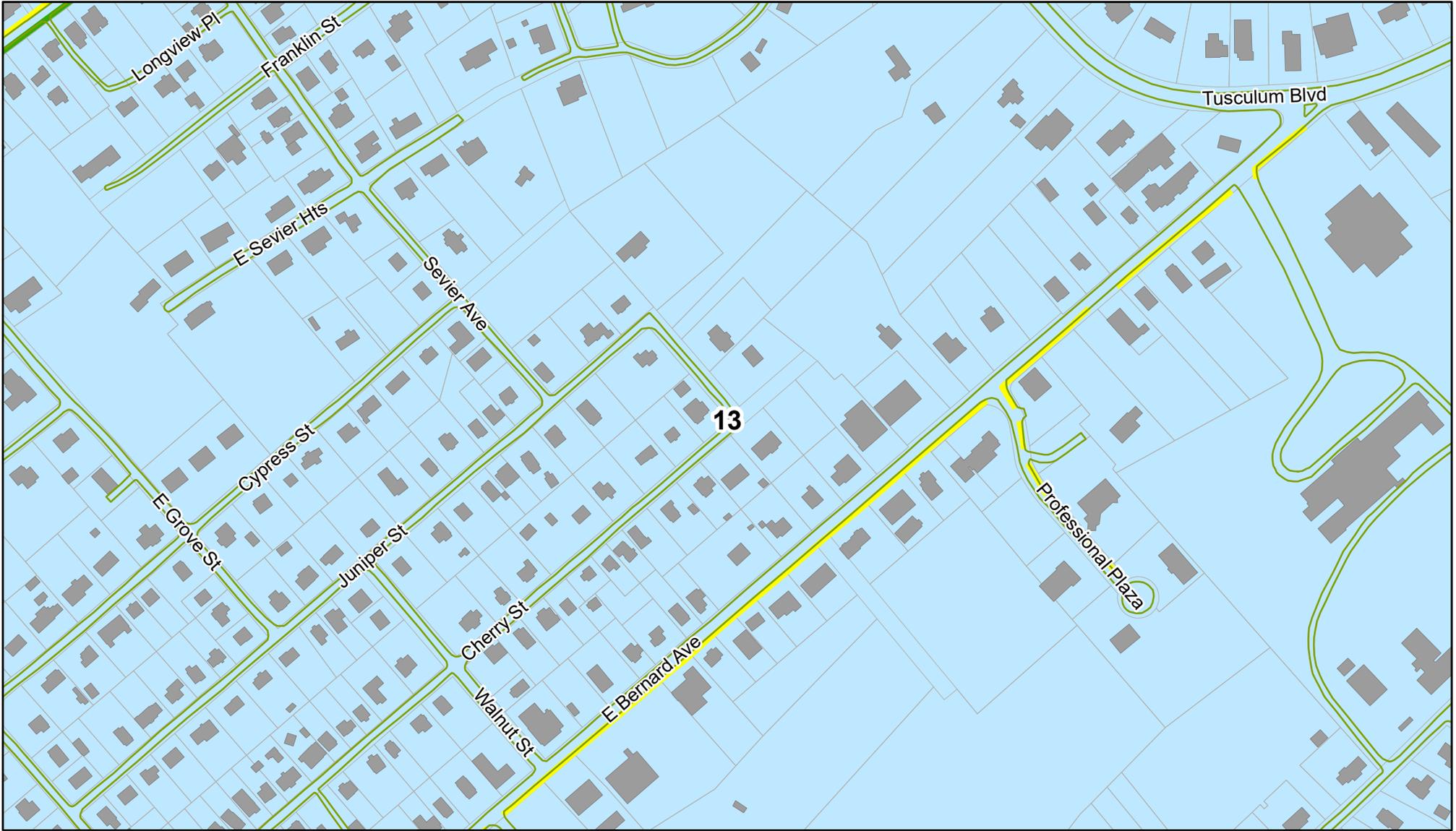


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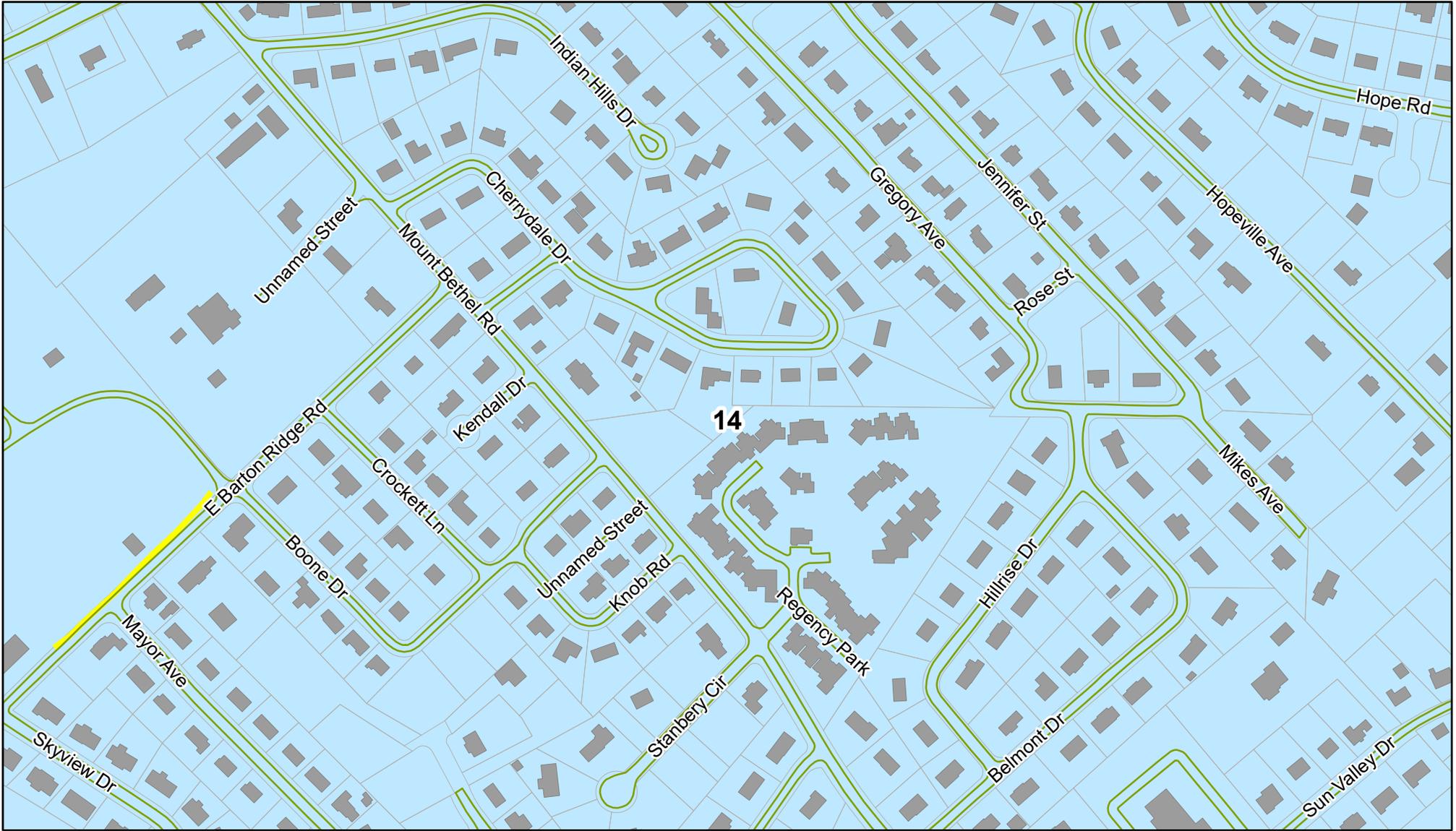


ADA Sidewalk Assessment

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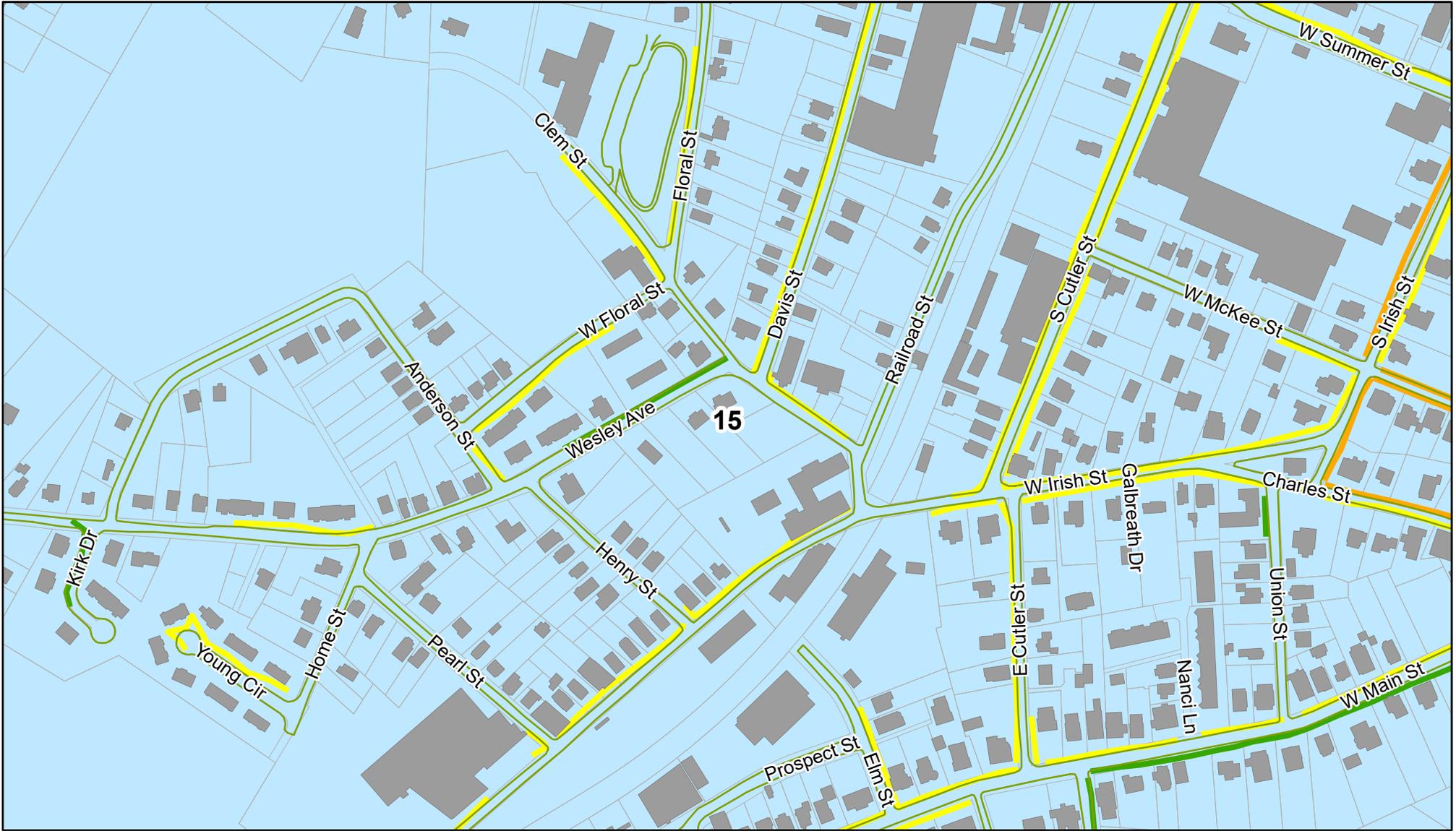


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GREENEVILLE
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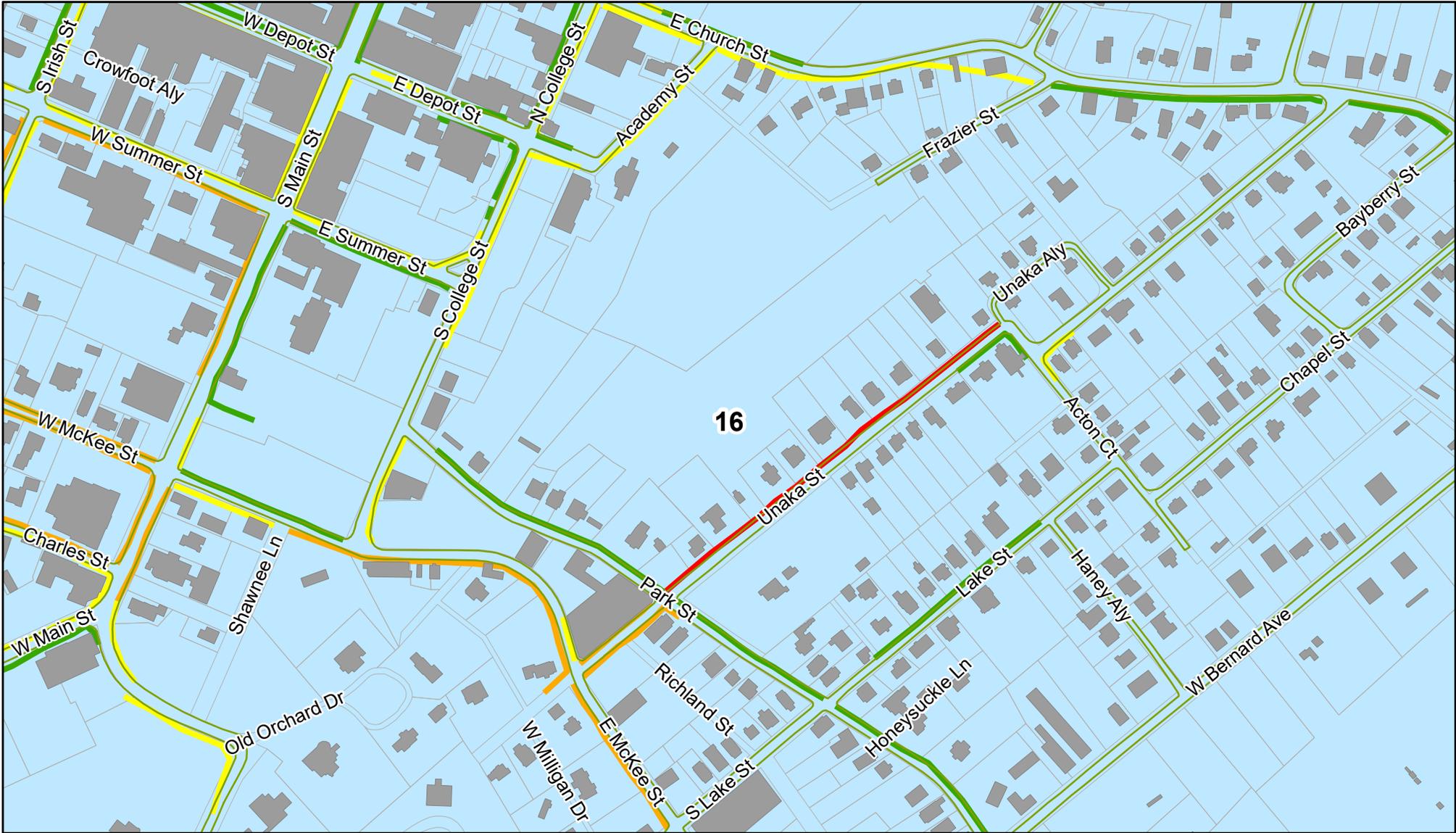


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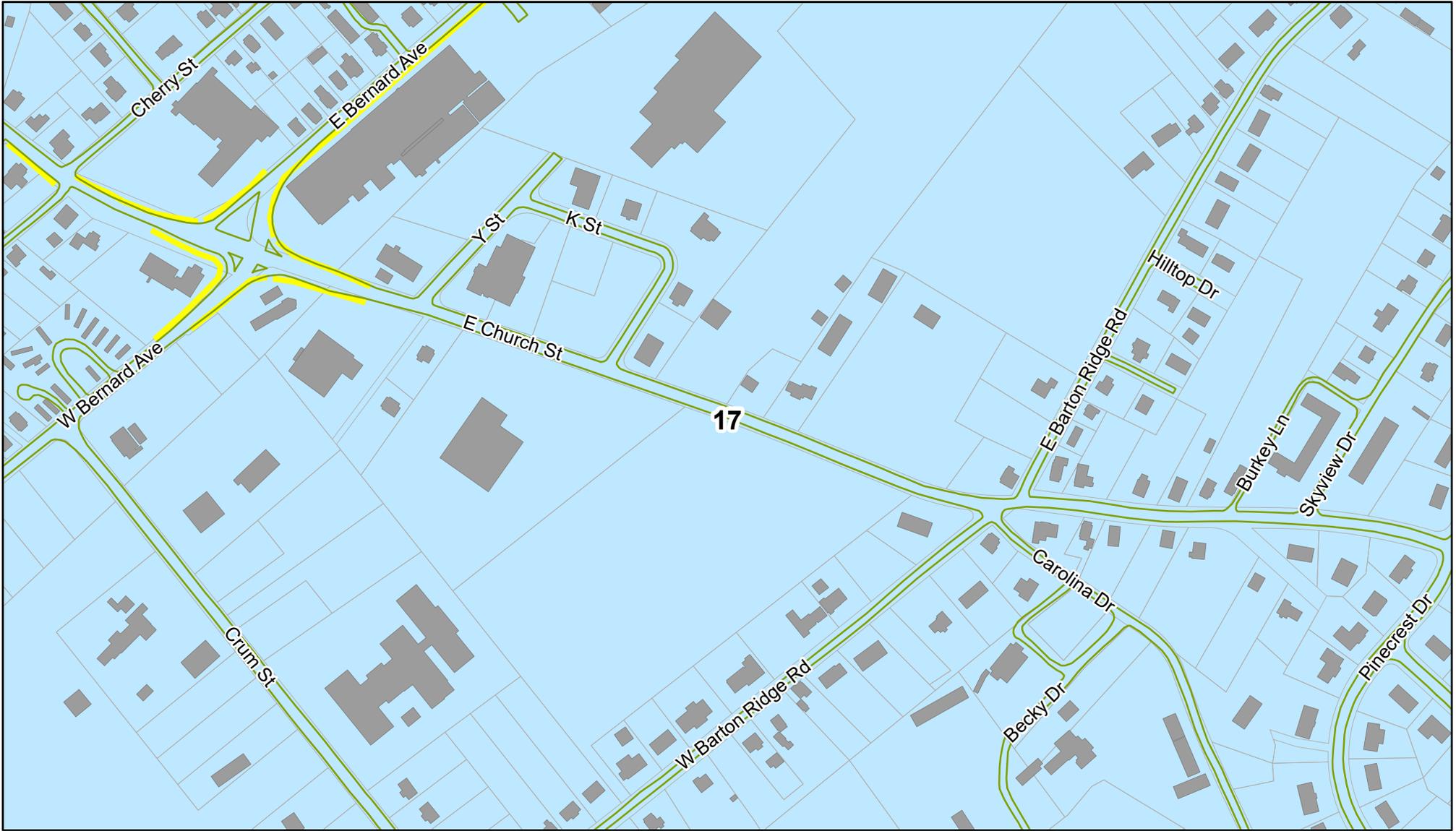


ADA Sidewalk Assessment

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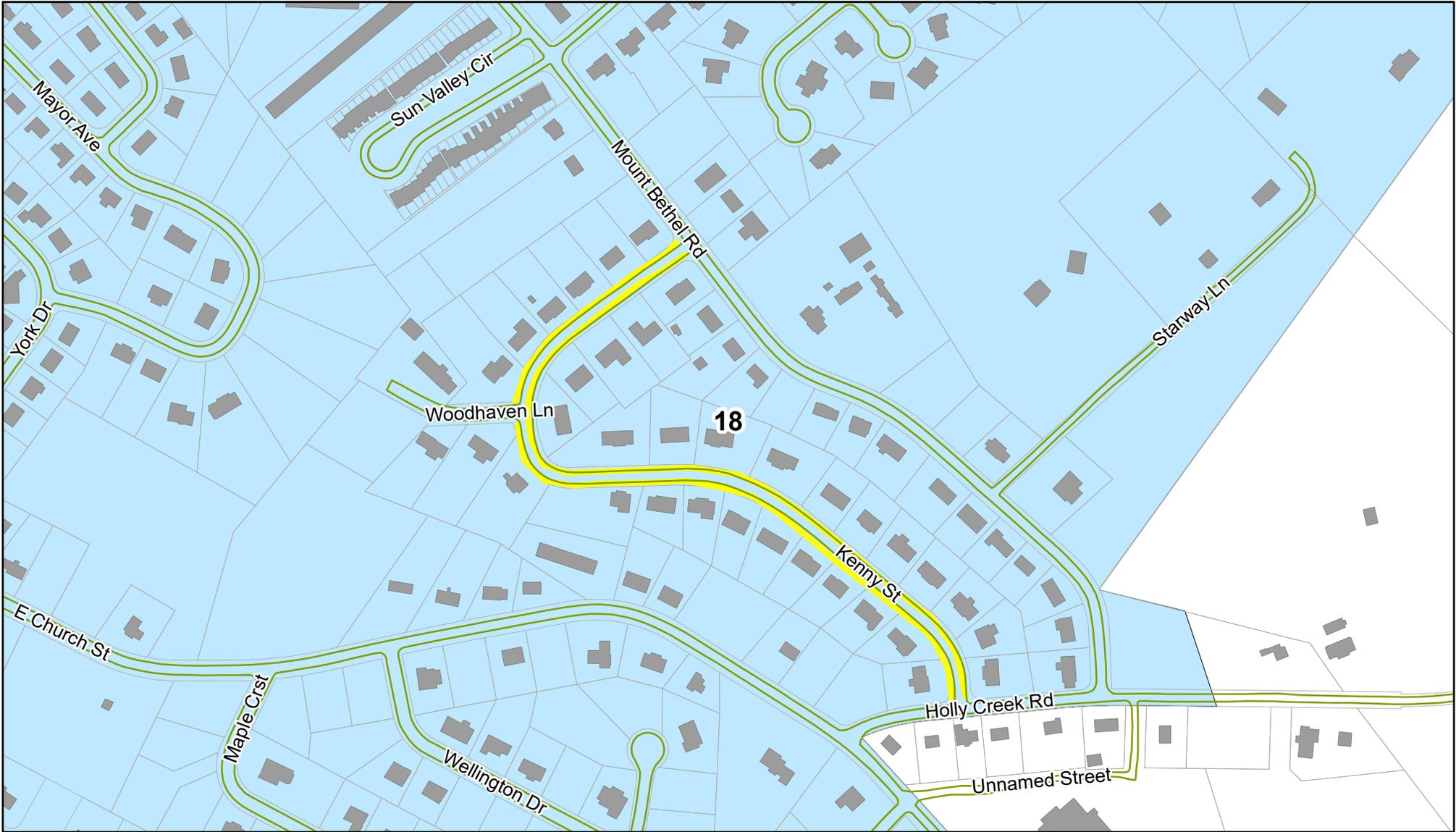


ADA Sidewalk Assessment

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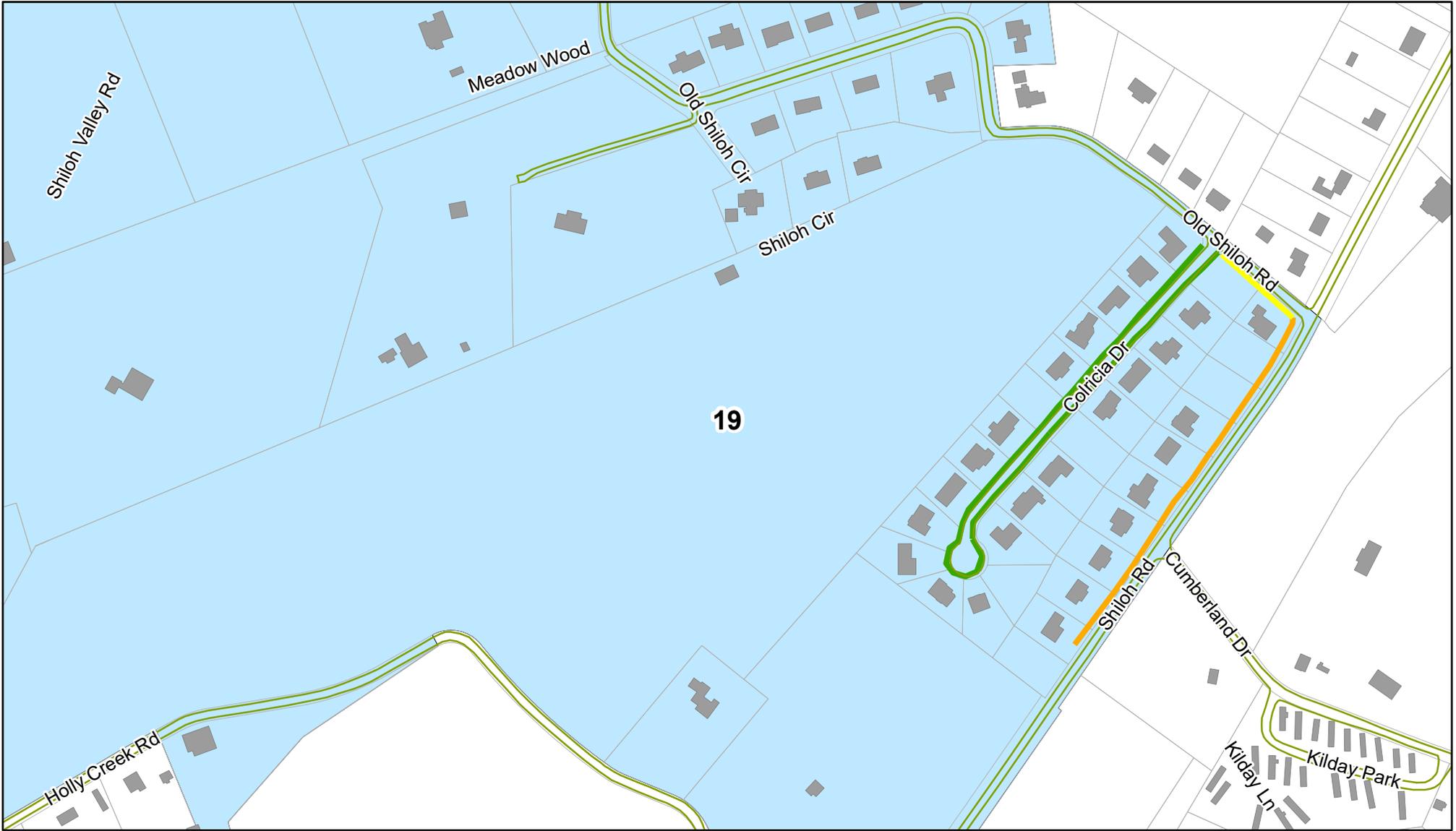


ADA Sidewalk Assessment

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- - Composite Grade 0%-25%



ADA Sidewalk Assessment

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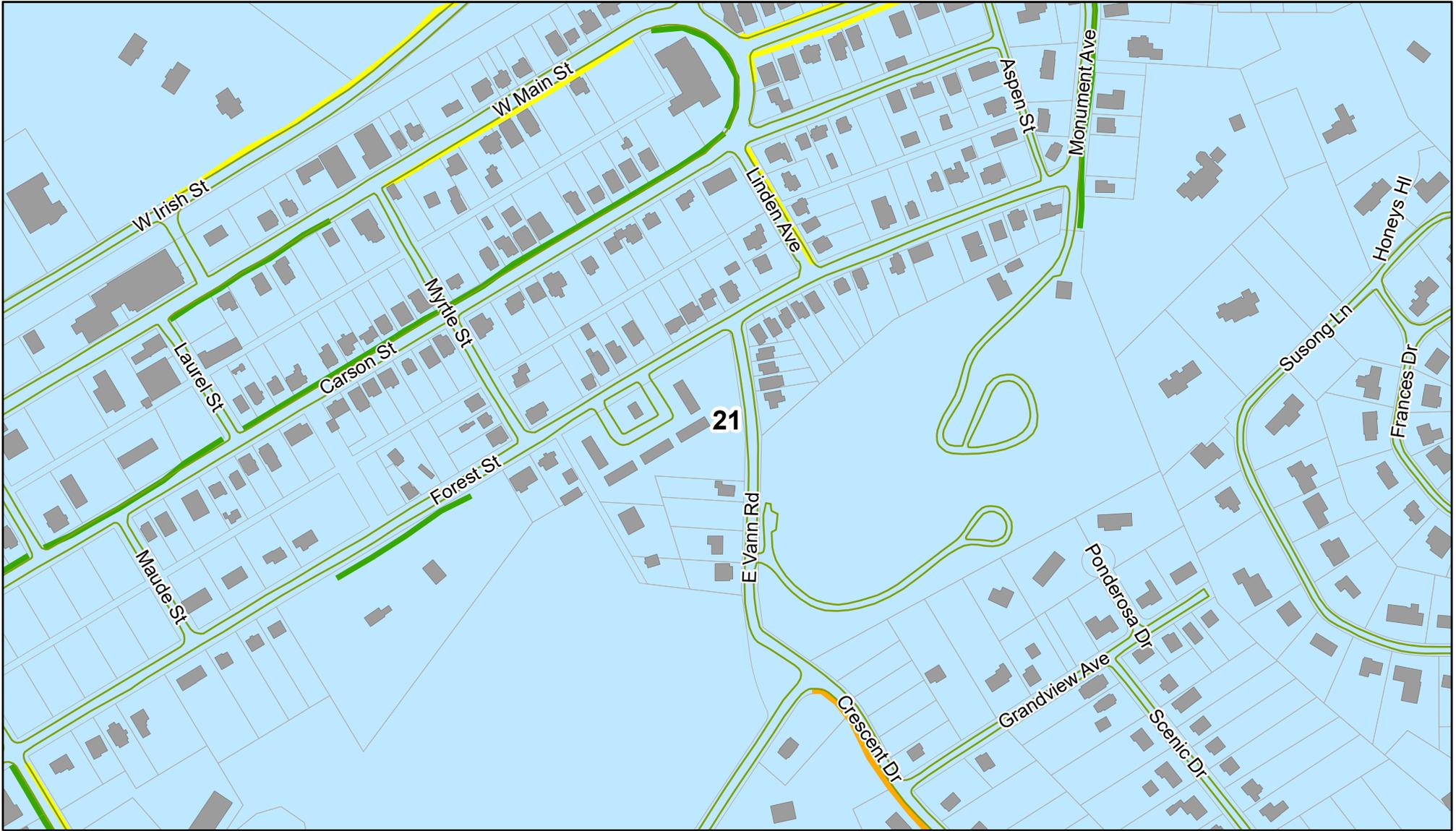


ADA Sidewalk Assessment

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GREENEVILLE
T E N N E S S E E

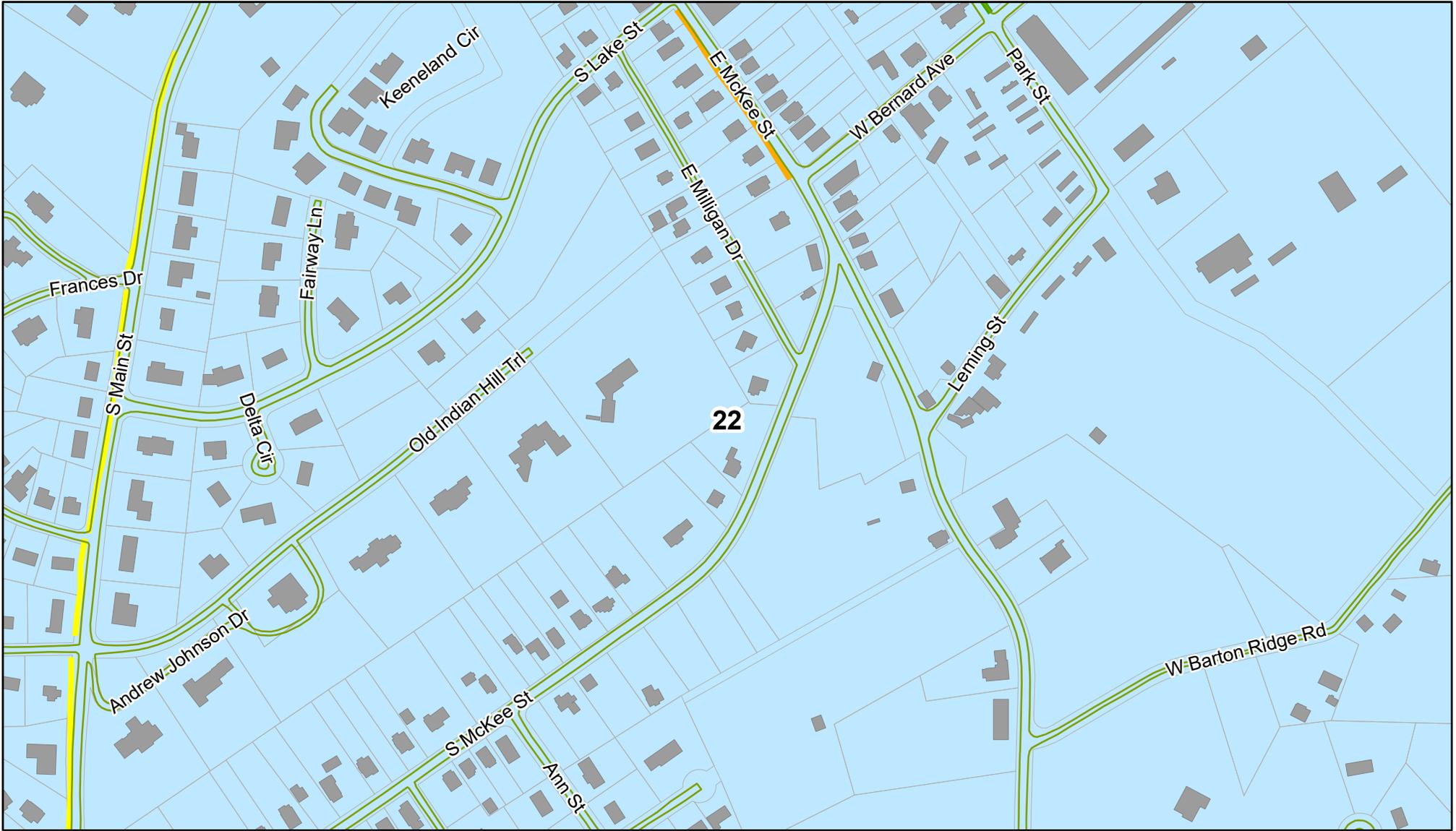


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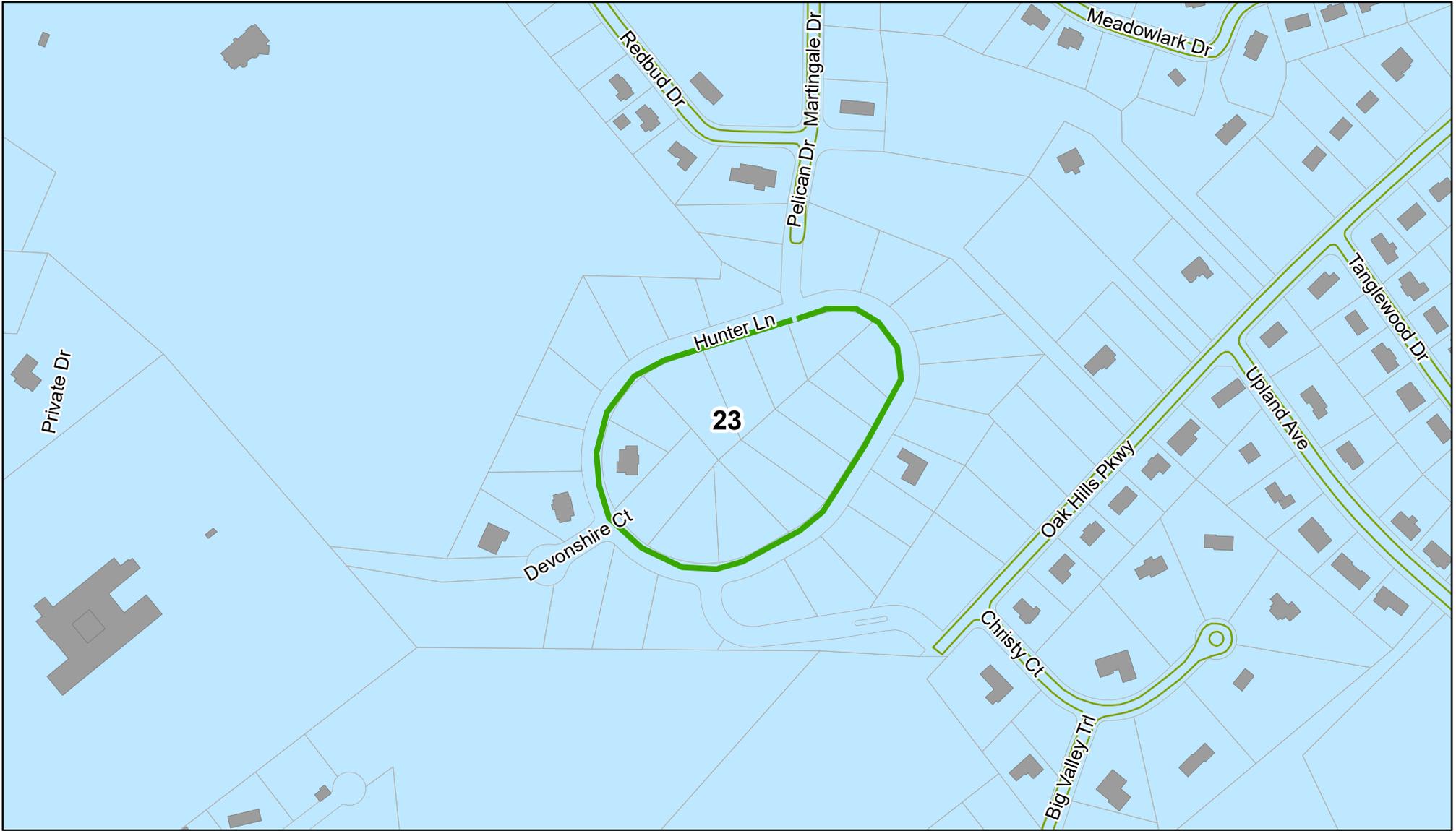


ADA Sidewalk Assessment

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- - Composite Grade 51%-75%
- - Composite Grade 26%-50%
- - Composite Grade 0%-25%



GREENEVILLE
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ADA Sidewalk Assessment

Panel No. 23

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- - Composite Grade 51%-75%
- - Composite Grade 26%-50%
- - Composite Grade 0%-25%



ADA Sidewalk Assessment

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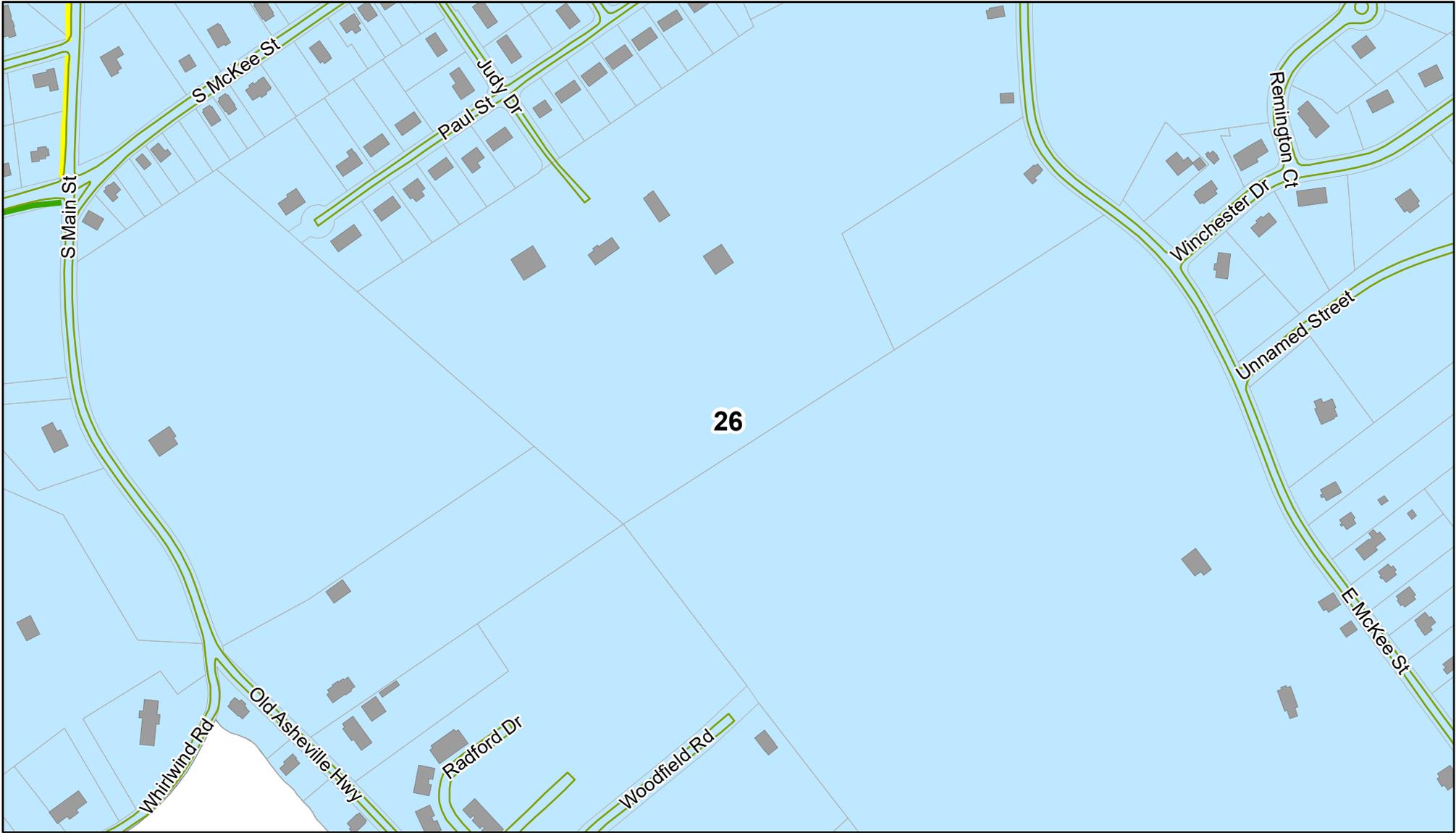


ADA Sidewalk Assessment

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ADA Sidewalk Assessment

Panel No. 26

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