

Durham	
PROJECT REFERENCE NO.	SHEET NO.
2025CPT.05.04.10321.1, ETC	1

Map 1: US 15 Bus
From US 70 Bus to US 15 Bus

Map 2: US 15 Bus
From E Forest Hills Blvd to E Main St

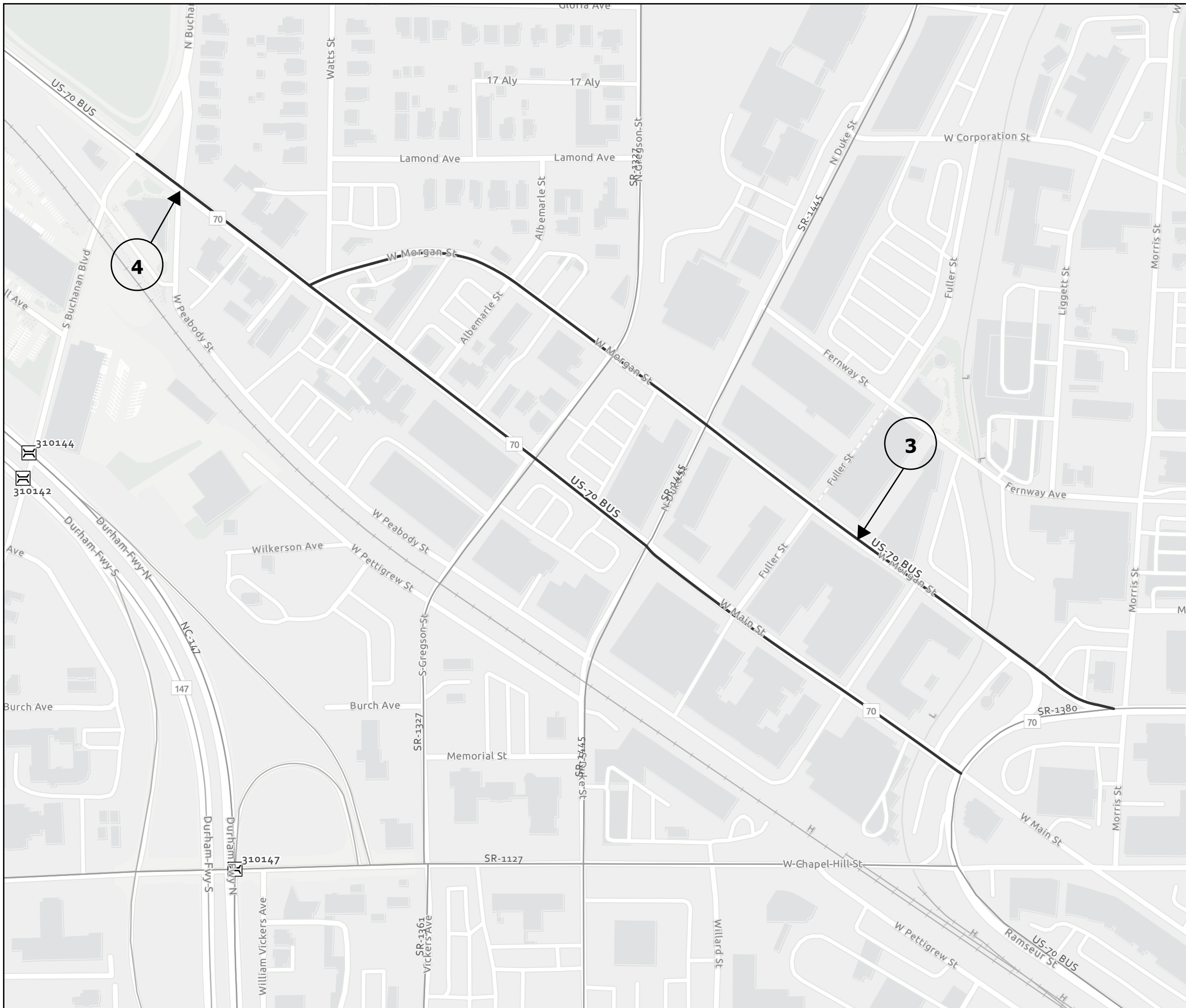
Bridge 1: 310071
Mile-Post: 1.901

Bridge 2: 310164
Mile-Post: 5.527

Bridge 3: 310166
Mile-Post: 2.837

Bridge 4: 310280
Mile-Post: 0.116





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Map 3: US 70 Bus
From SR 1380 (N Great Jones St) to US 70 Bus

Map 4: US 70 Bus
From S Buchanan Blvd. to SR 1380 (N Great Jones St)



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PROJECT REFERENCE NO.

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2025CPT.05.04.10321.1, ETC

3

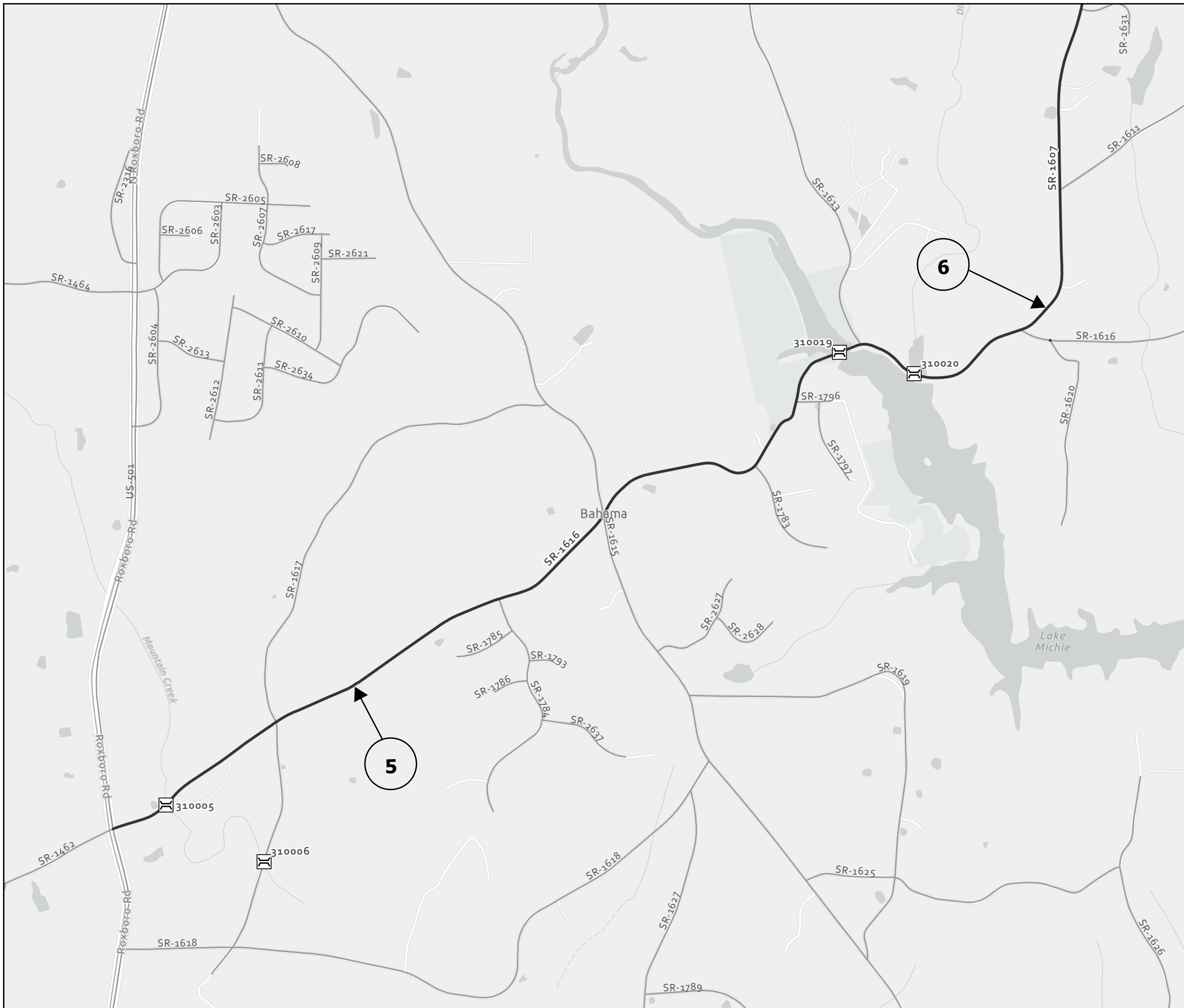
Map 5: SR 1616 (Bahama Rd)
From US 501 to SR 1607 (Bahama Rd)

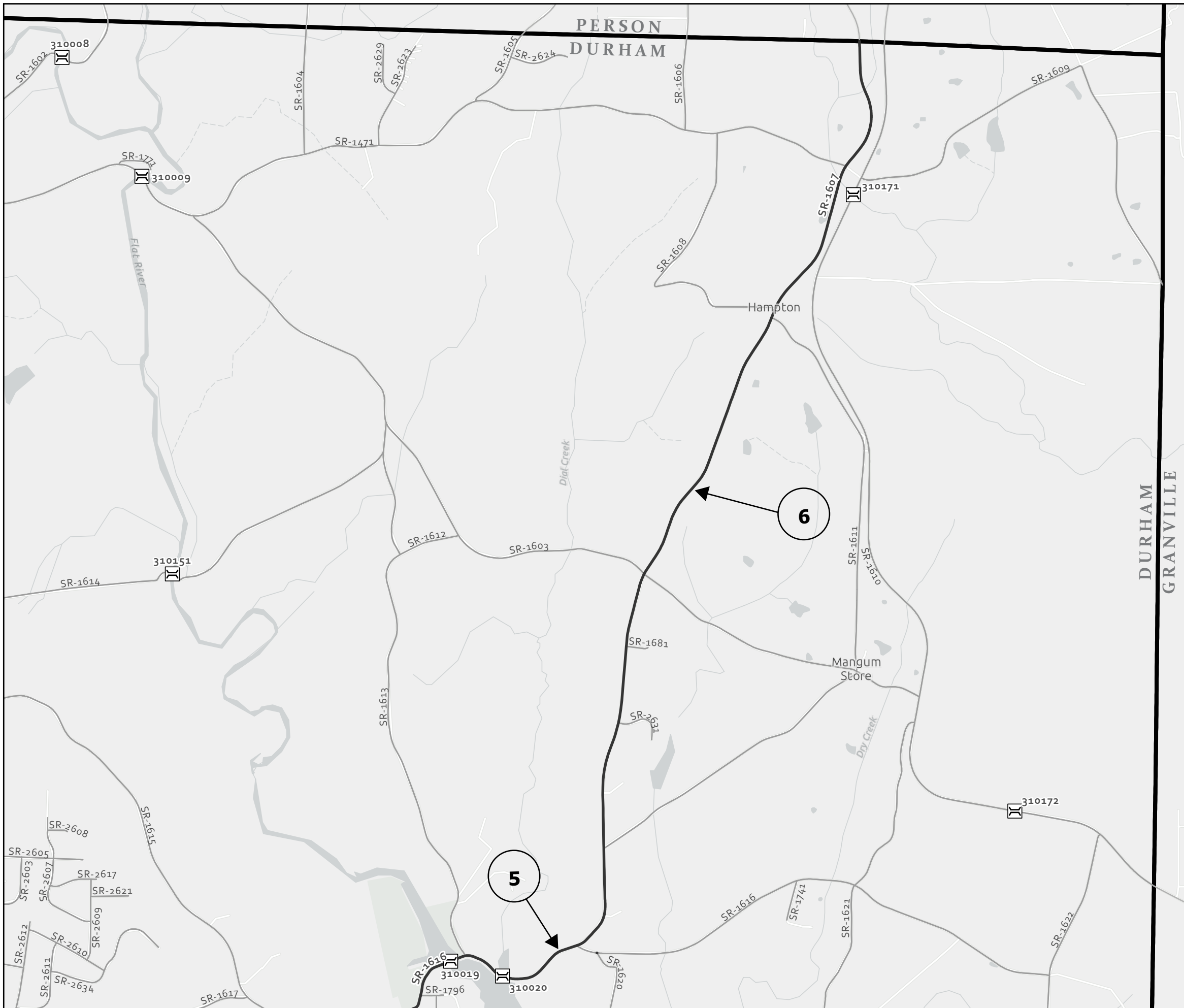
Map 6: SR 1607
From SR 1616 (Bahama Rd) to Person County

Bridge 1: 310005
Mile-Post: 0.193

Bridge 2: 310019
Mile-Post: 3.015

Bridge 3: 310020
Mile-Post: 3.297





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PROJECT REFERENCE NO.	SHEET NO.
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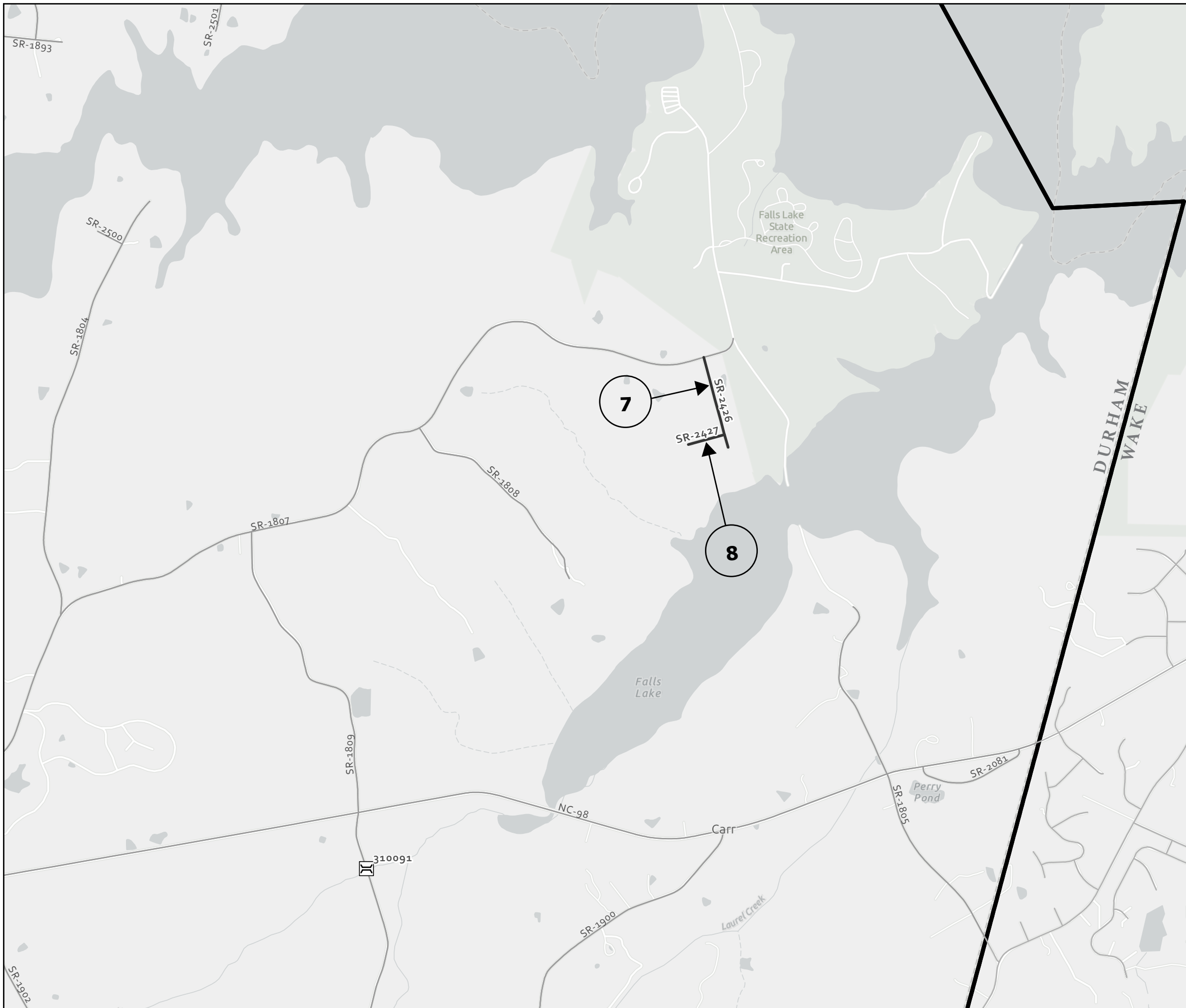
Map 5: SR 1616 (Bahama Rd)
From US 501 to SR 1607 (Bahama Rd)

Map 6: SR 1607
From SR 1616 (Bahama Rd) to Person County

Bridge 1: 310019
Mile-Post: 3.015

Bridge 2: 310020
Mile-Post: 3.297



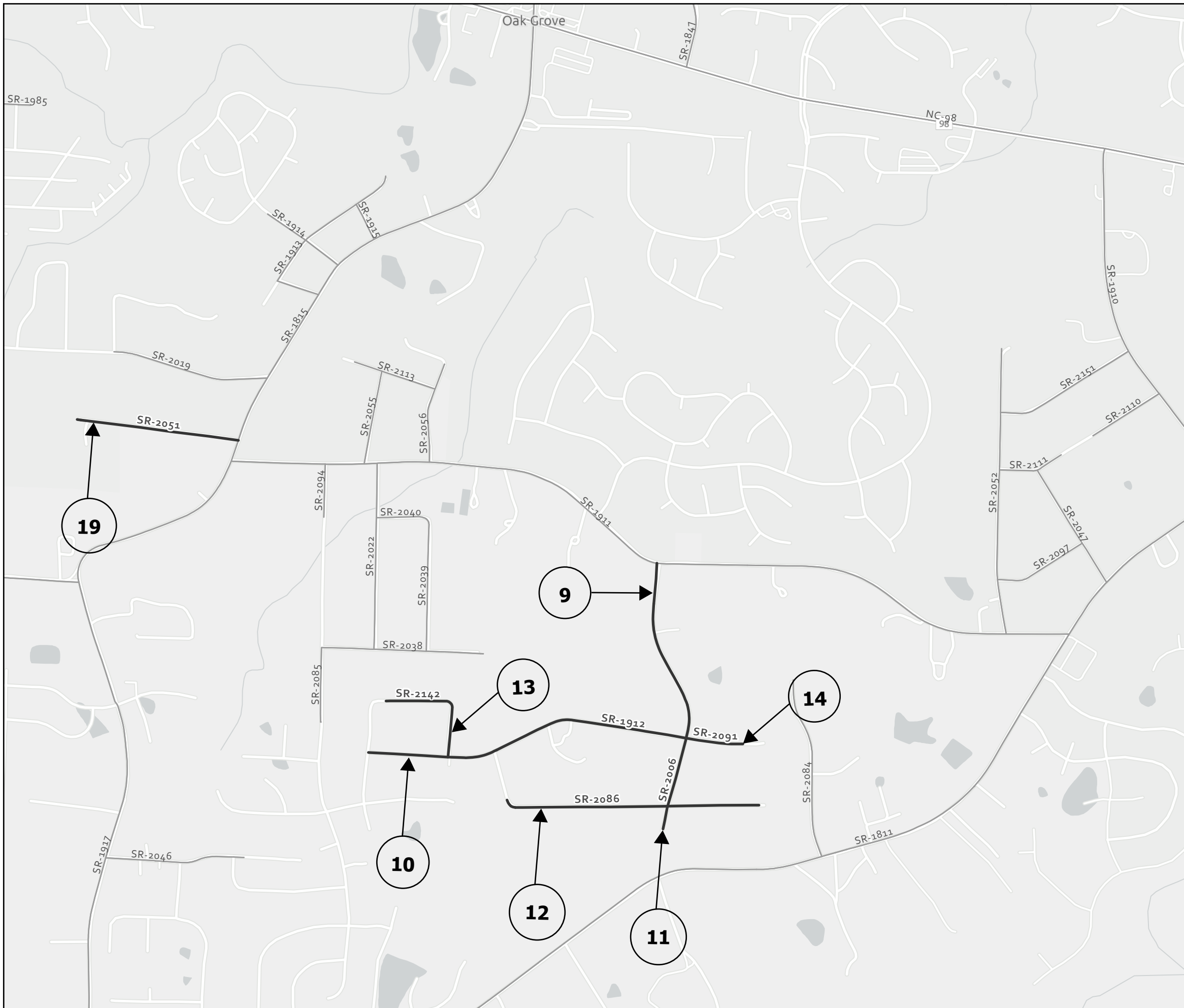


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Map 7: SR 2426 (Wentz Dr)
 From SR 1807 (Baptist Rd) to End Maintenance

Map 8: SR 2427 (Wayward Dr)
 From SR 2426 (Wentz Dr) to End Maintenance





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Map 9: SR 1912 (Broach Rd)
From SR 1911 (Holder Rd) to SR 2006 (Broach Rd.)

Map 10: SR 1912 (Penneck Rd)
From SR 2006 (Broach Rd) to High Fox Dr

Map 11: SR 2006 (Broach Rd)
From SR 2091 (Penneck Rd) to Dead End

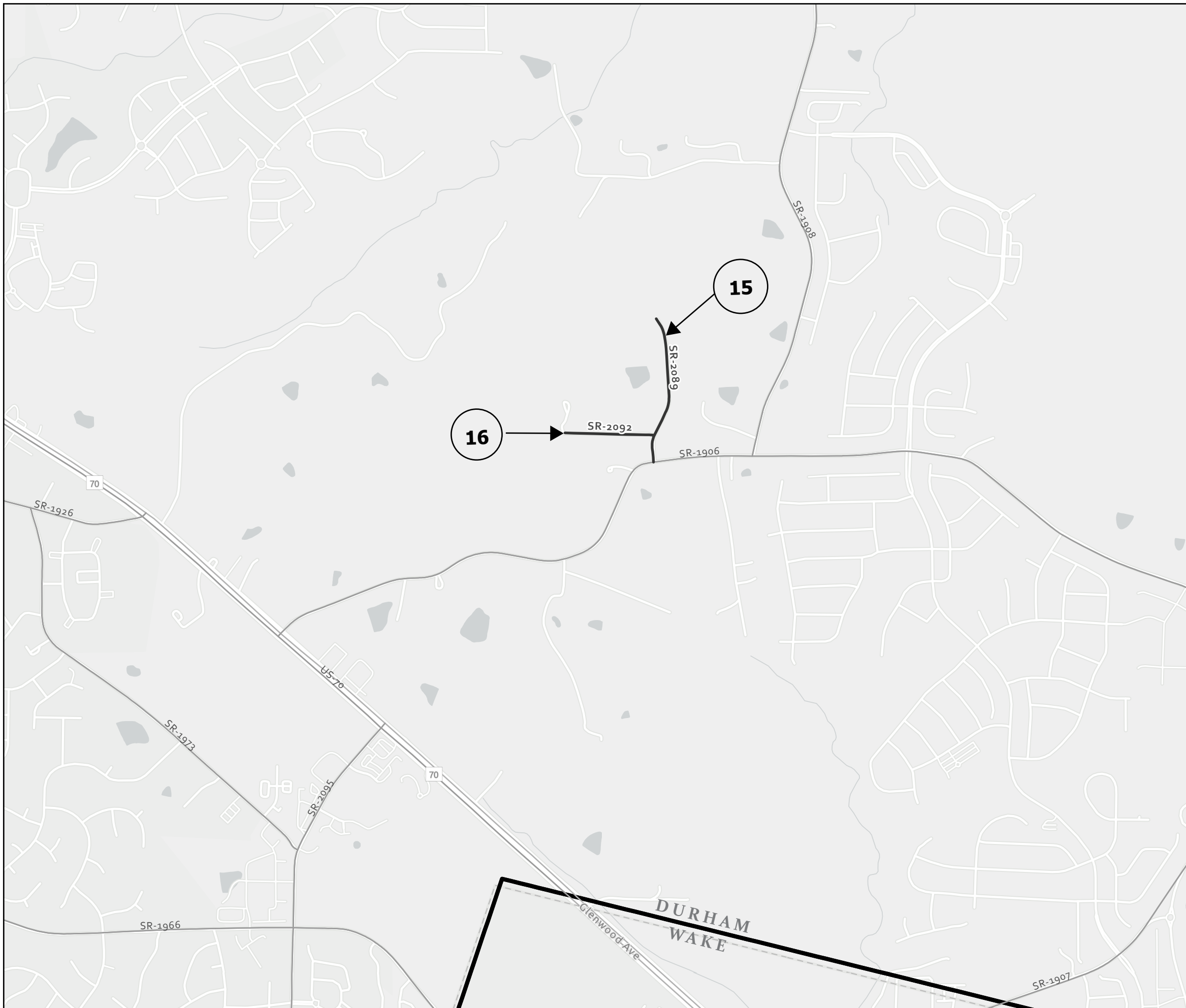
Map 12: SR 2086 (Mockingbird Ln)
From Begin Maintenance to Dead End

Map 13: SR 2142 (Oakview St)
From SR 1912 (Penneck Rd) to End Maintenance

Map 14: SR 2091 (Penneck Rd)
From SR 1912 (Penneck Rd) to End Maintenance

Map 19: SR 2051 (Grimes Ave)
From SR 1815 (S Mineral Springs Rd) to End Maintenance





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2025CPT.05.04.10321.1, ETC	7

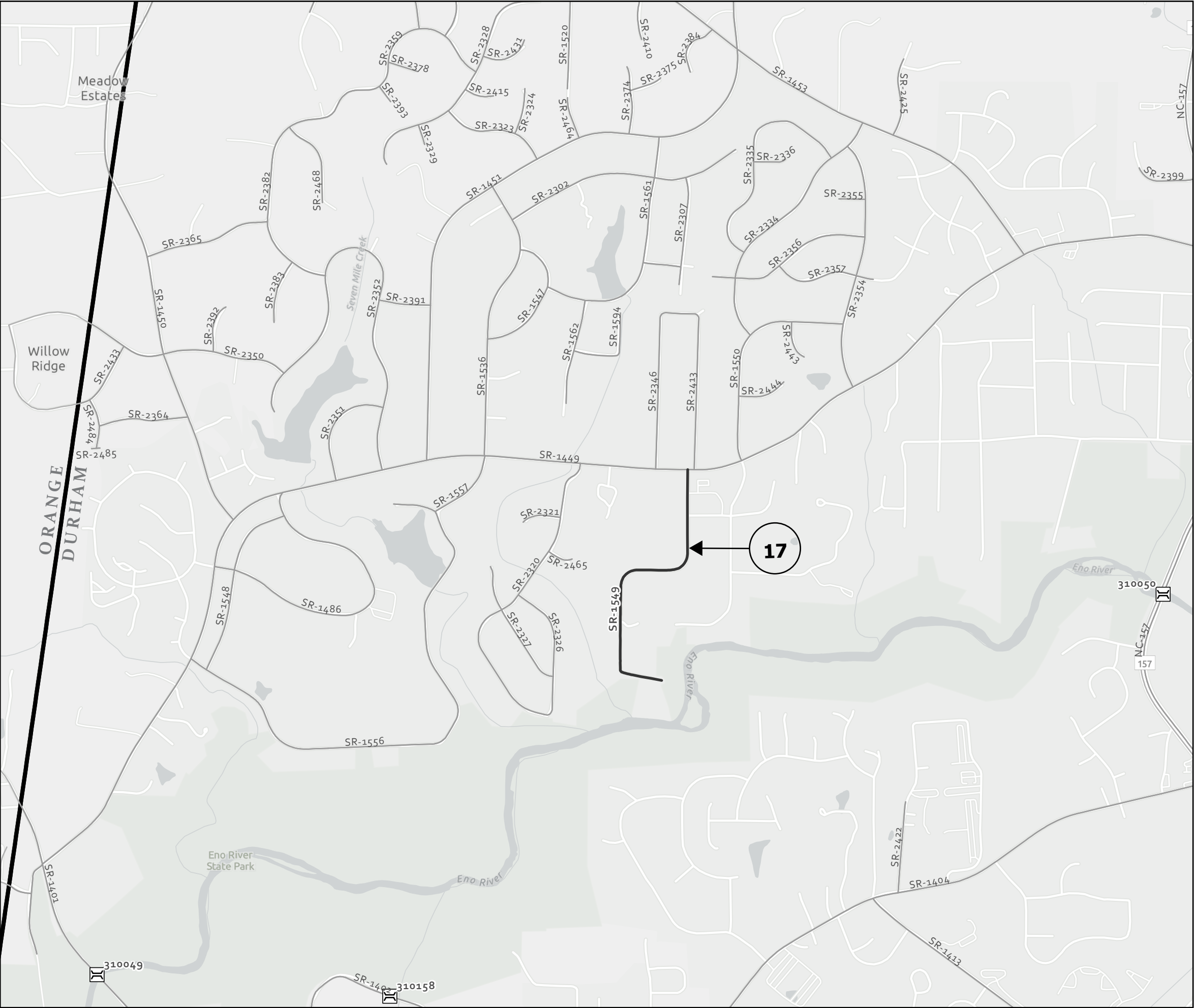
Map 15: SR 2089 (Panoramic Dr)
From SR 1906 (Leesville Rd) to Dead End

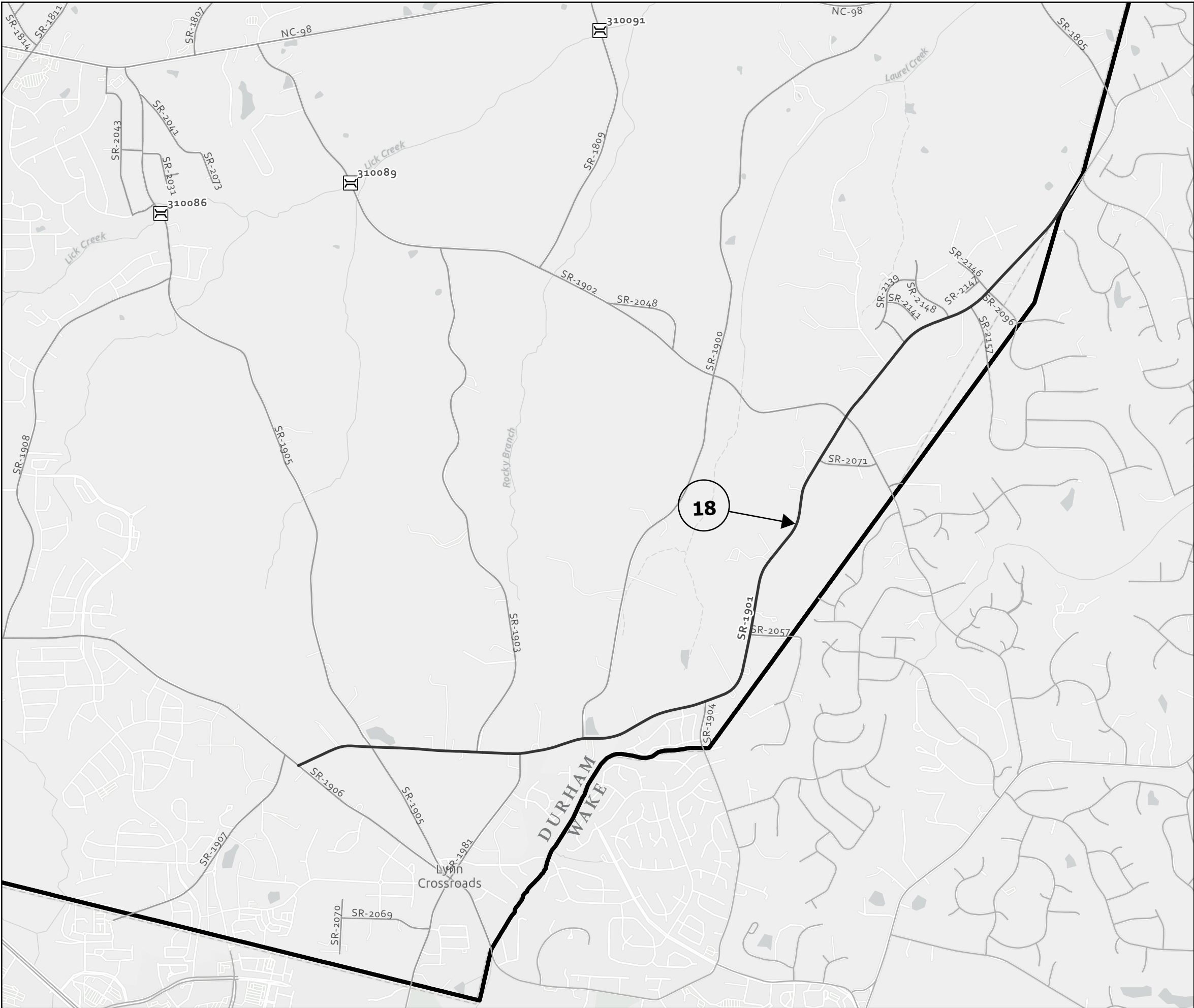
Map 16: SR 2092 (Summer Rose Ln.)
From SR 2089 (Panoramic Dr) to Dead End



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2025CPT.05.04.10321.1, ETC	8

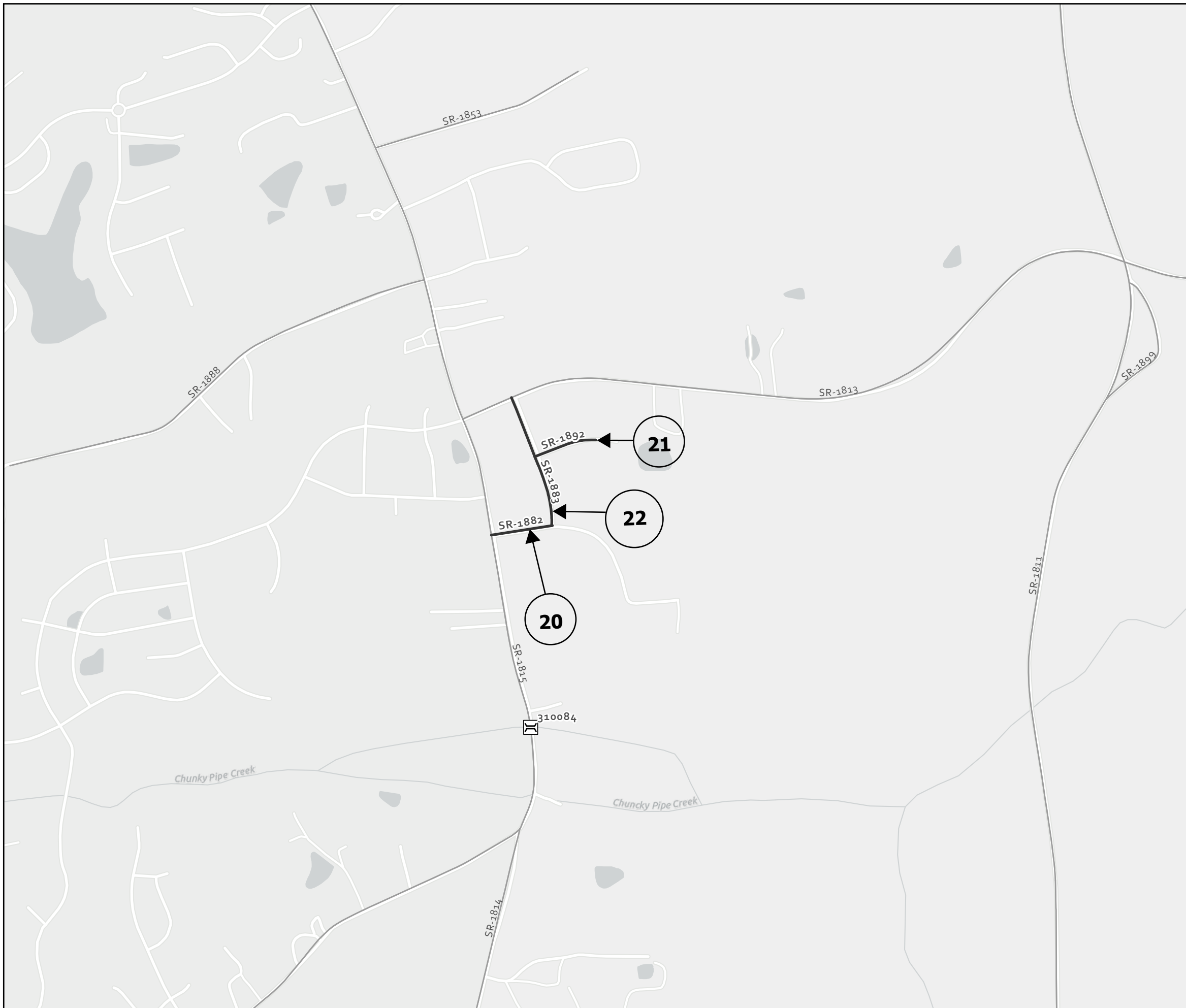
Map 17: SR 1549 (Sterling Dr)
From SR 1449 (Umstead Rd) to Cul-De-Sac





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Map 18: SR 1901 (Carpenter Pond Rd) From Wake County to SR 1906 (Leesville Rd)



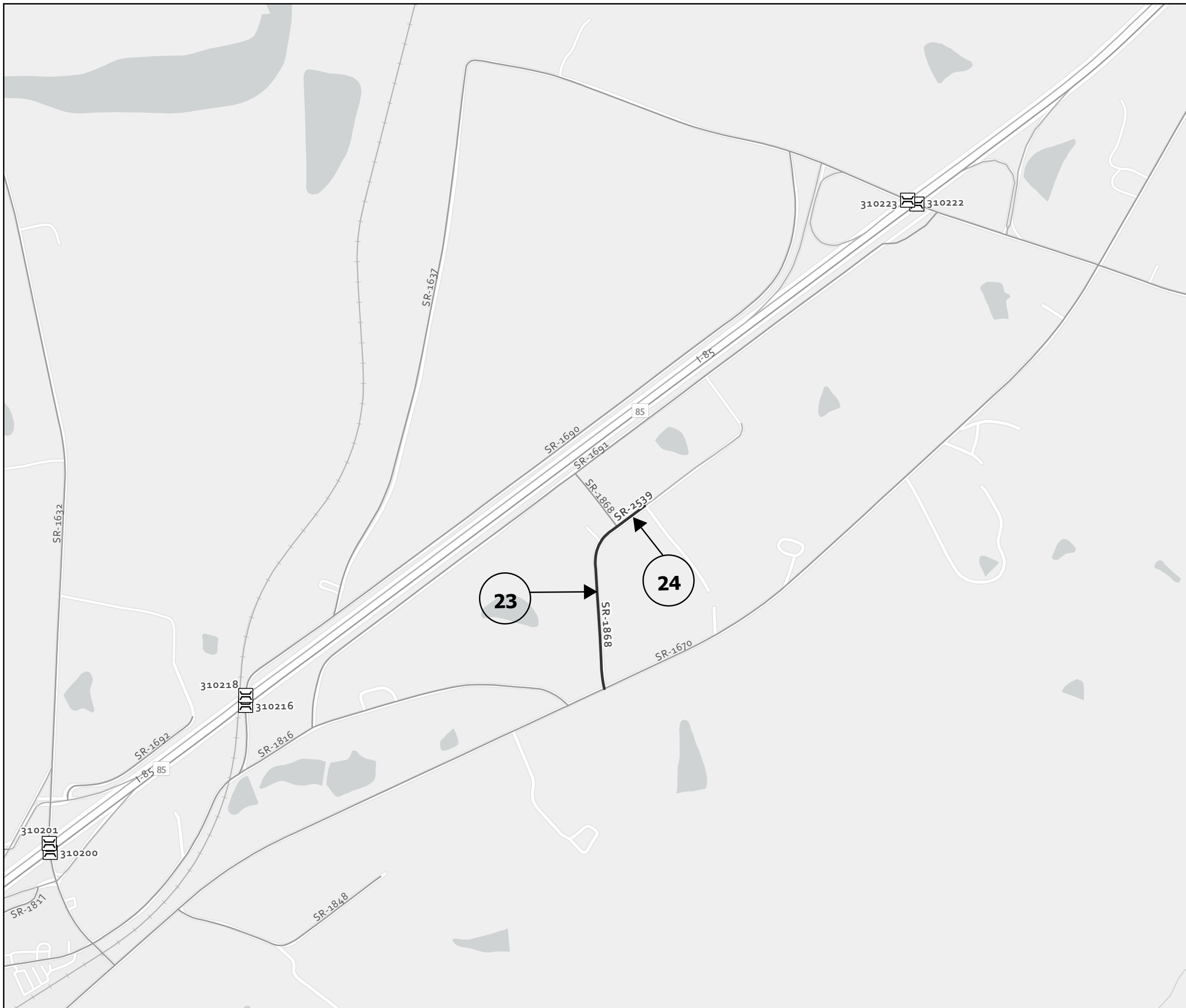
Durham	
PROJECT REFERENCE NO.	SHEET NO.
2025CPT.05.04.10321.1, ETC	10

Map 20: SR 1882 (Fiesta Rd)
From SR 1815 (Fletchers Chapel Rd) to SR 1883 (Penrod Rd)

Map 21: SR 1892 (Converse Rd)
From SR 1883 (Penrod Rd) to Dead End

Map 22: SR 1883 (Penrod Rd)
From SR 1813 (Rogers Rd) to SR 1882 (Fiesta Rd)



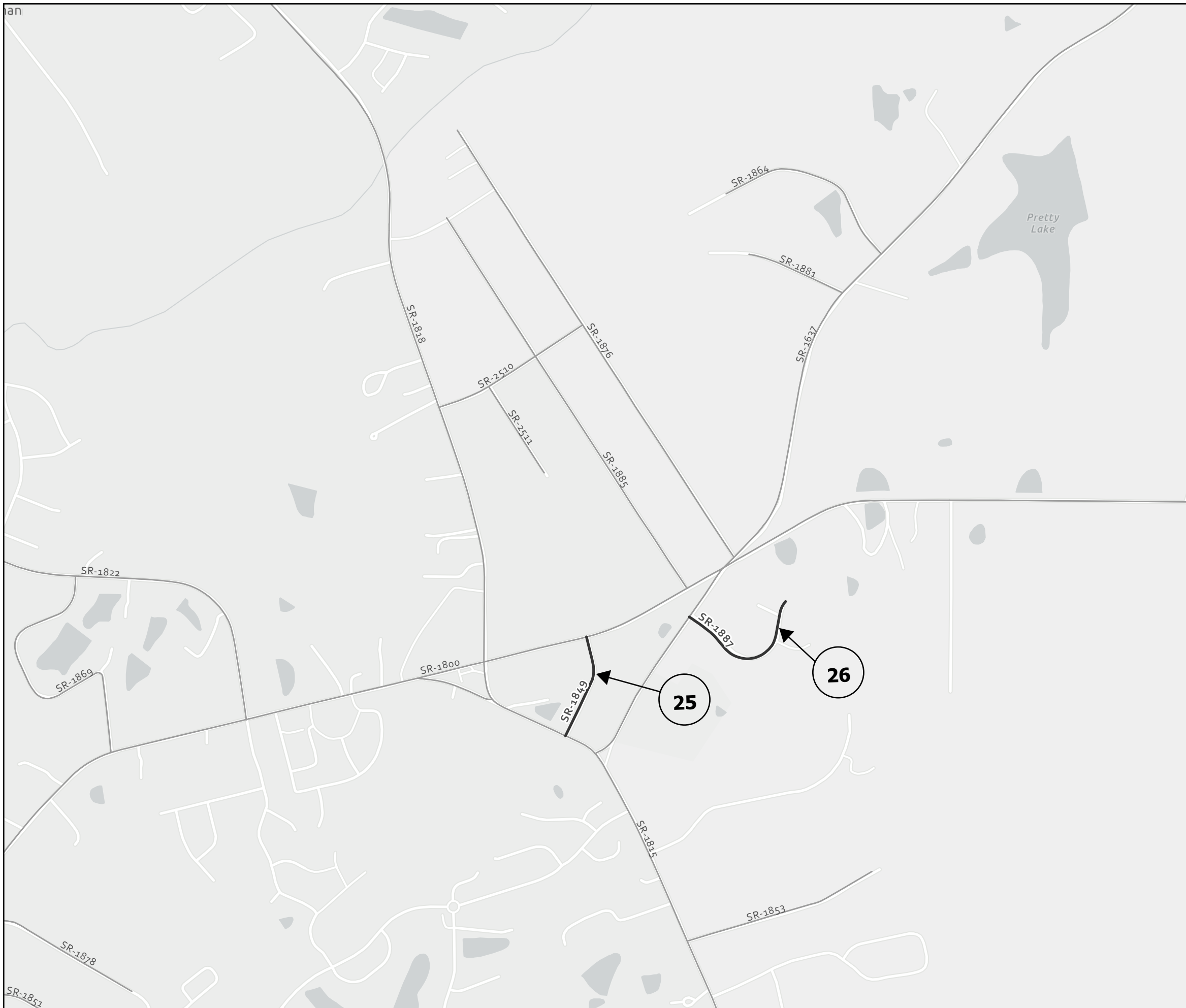


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Map 23: SR 1868 (Broughton Dr)
 From SR 1670 (E Geer St) to SR 2539 (Broughton Dr)

Map 24: SR 2539 (Broughton Dr)
 From SR 1868 (Broughton Dr) to End Pavement



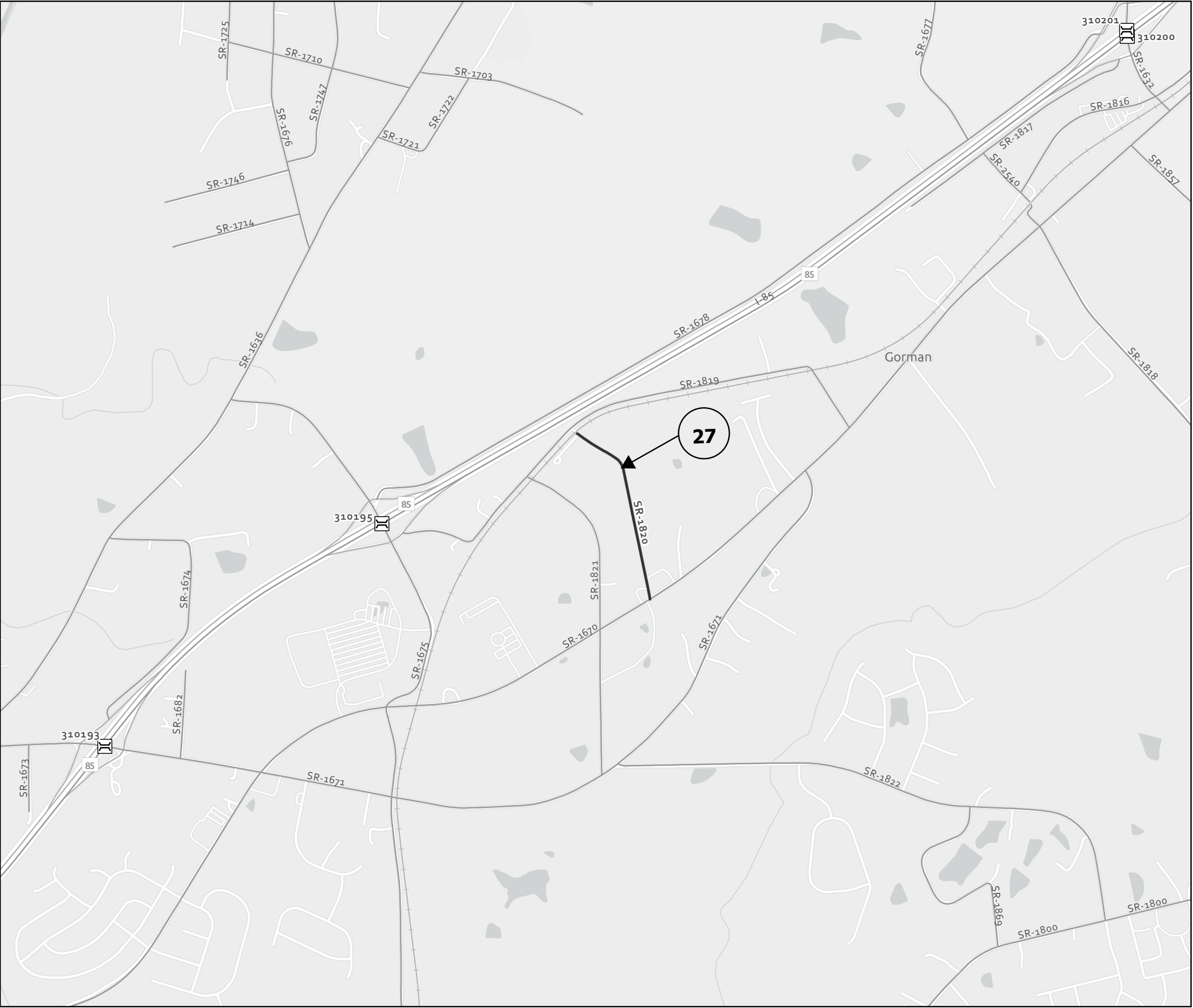


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2025CPT.05.04.10321.1, ETC	12

Map 25: SR 1849 (Loftin Dr)
 From SR 1800 (Cheek Rd) to SR 1815 (Fletchers Chapel Rd)

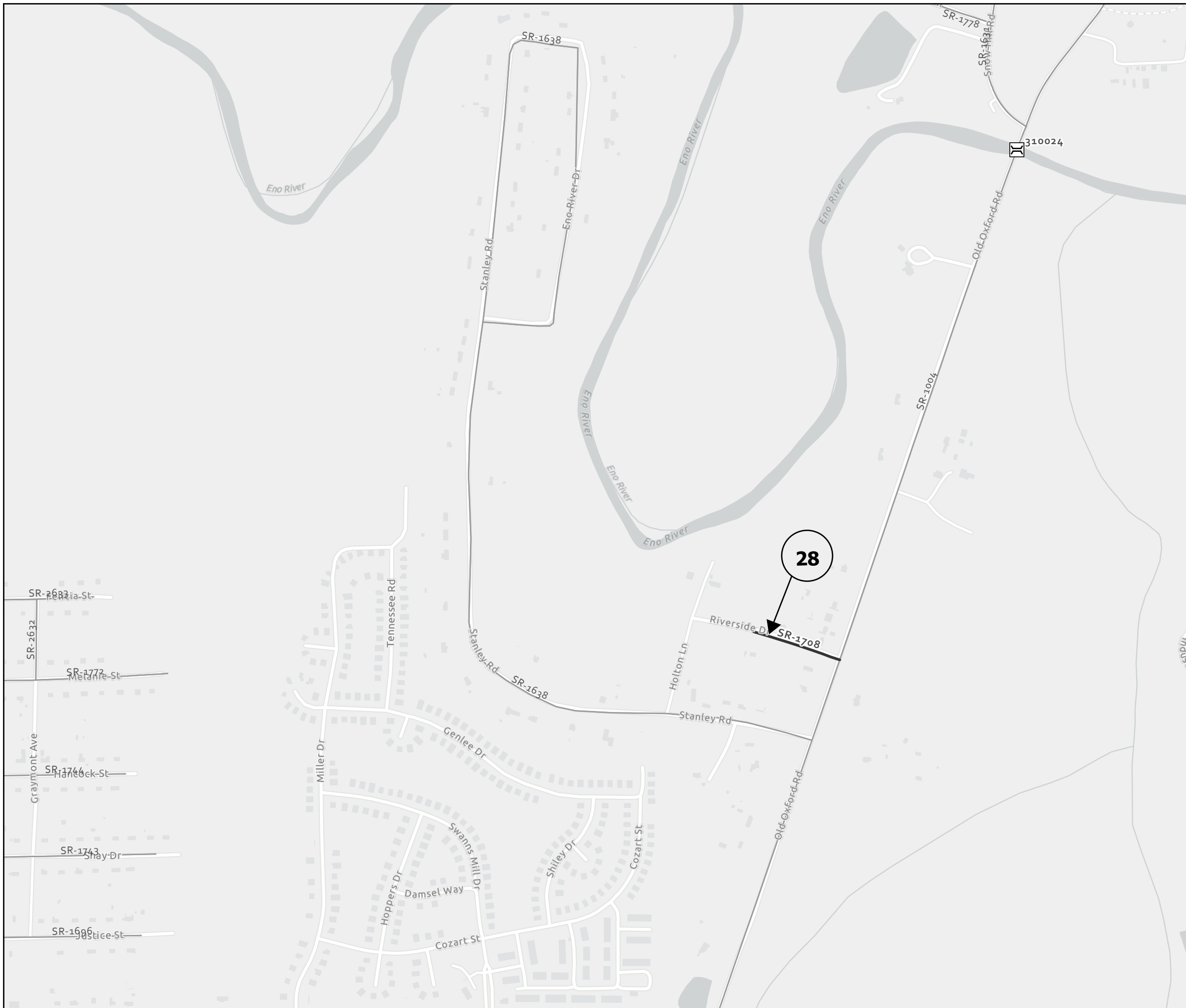
Map 26: SR 1887 (Glenda Rd)
 From SR 1637 (Redwood Rd) to End of Maintenance





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2025CPT.05.04.10321.1, ETC	13

Map 27: SR 1820 (Beck Rd)
From SR 1670 (E Geer St) to SR 1819 (Summerlin Rd)



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Map 28: SR 1708 (Riverside Dr)
From SR 1004 (Old Oxford Rd) to End Maintenance



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SHEET NO.

2025CPT.05.04.10321.1, ETC

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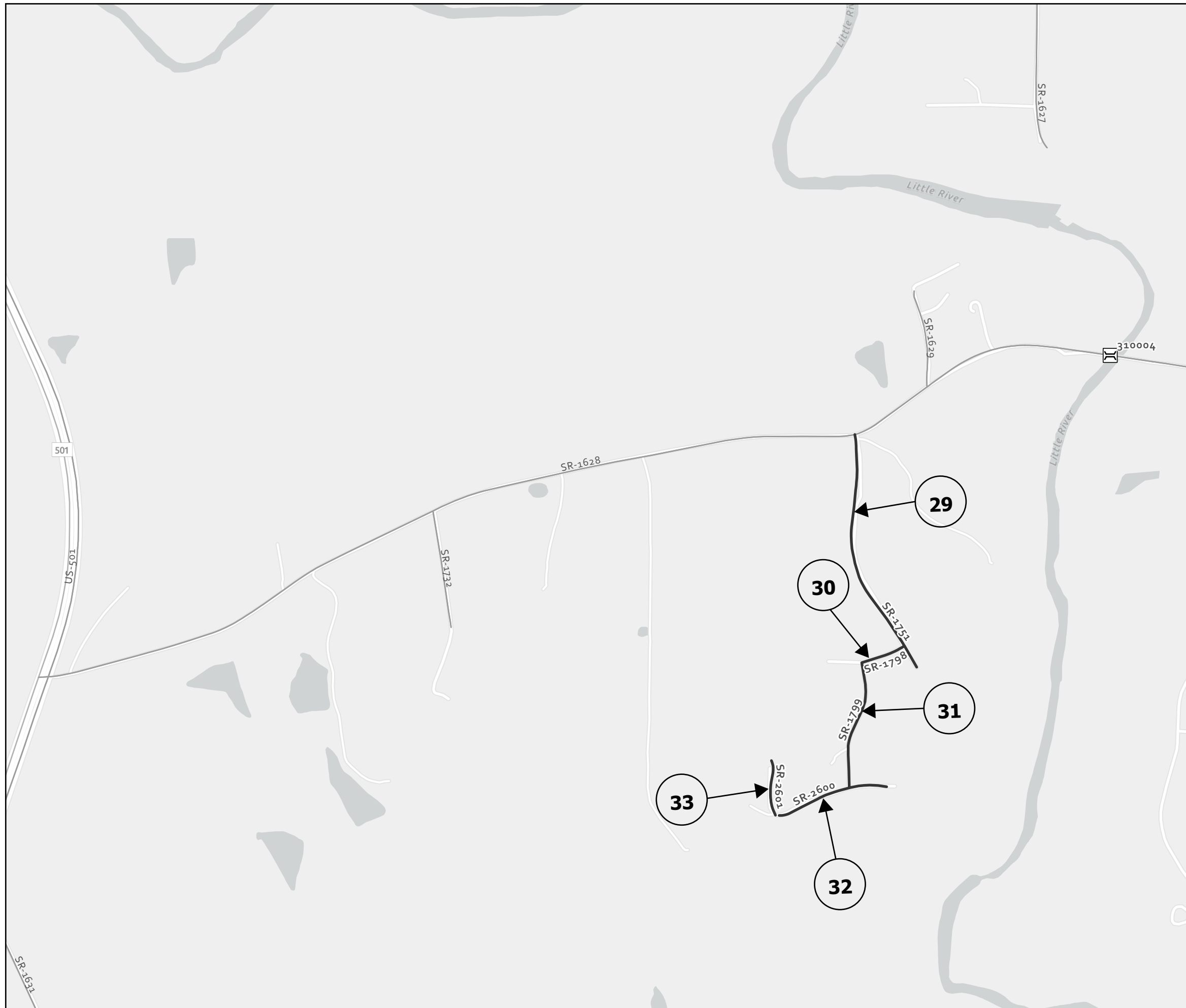
Map 29: SR 1751 (Iron Gate Dr)
From SR 1628 (Orange Factory Rd) to Dead End

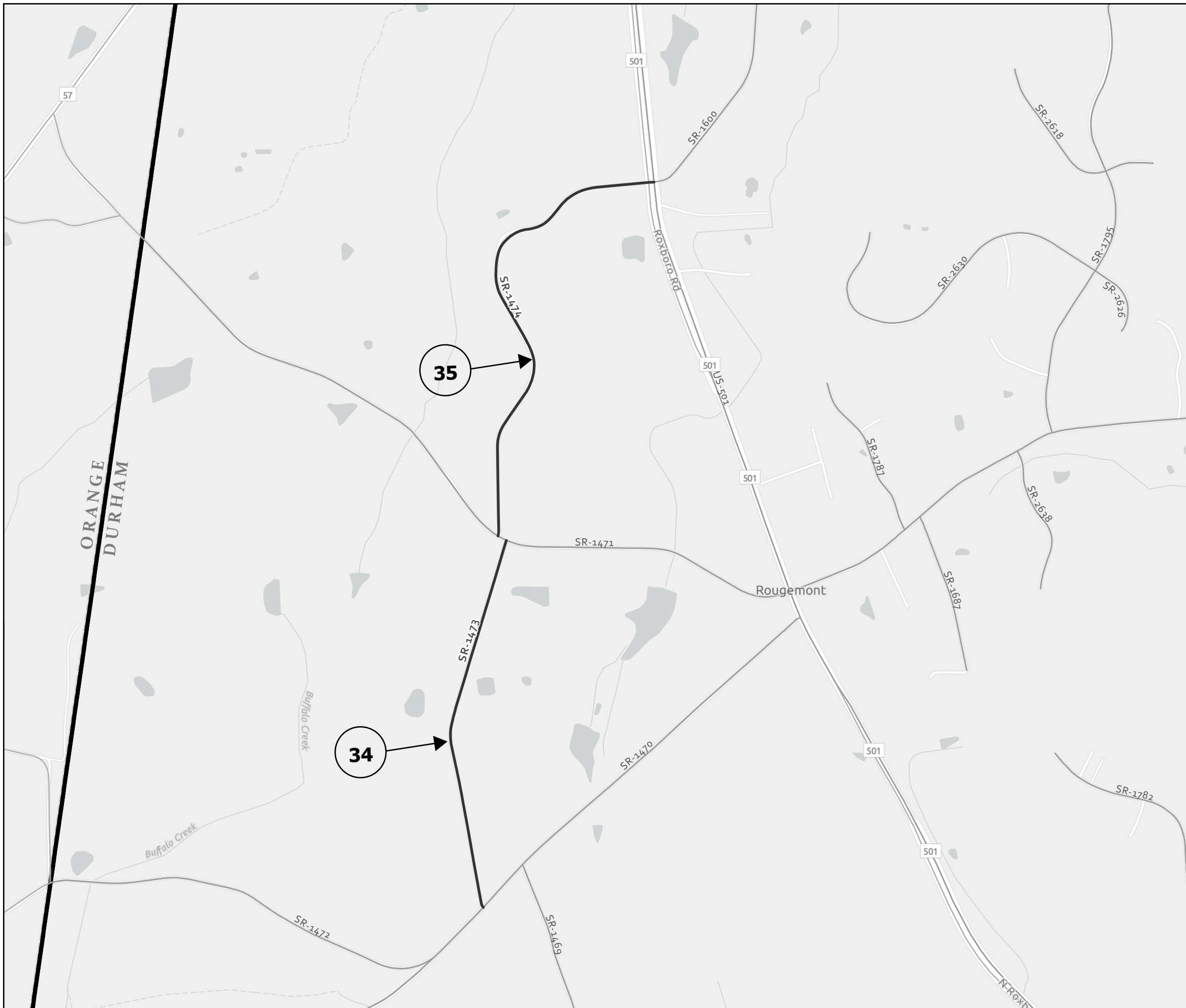
Map 30: SR 1798 (Cross Creek Rd)
From SR 1751 (Iron Gate Dr) to SR 1799 (Barbours
Creek Rd)

Map 31: SR 1799 (Barbours Creek Rd)
From SR 1798 (Cross Creek Rd) to SR 2600 (Bent
Creek Rd)

Map 32: SR 2600 (Bent Creek Rd)
From SR 2601 (Chantilly Pl) to Cul-De-Sac

Map 33: SR 2601 (Chantilly Pl)
From SR 2600 (Bent Creek Rd) to Cul-De-Sac





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Map 34: SR 1473 (Chambers Rd)
 From SR 1470 (Bill Poole Rd) to SR 1471 (Bacon Rd)

Map 35: SR 1474 (Chambers Rd)
 From SR 1471 (Bacon Rd) to US 501

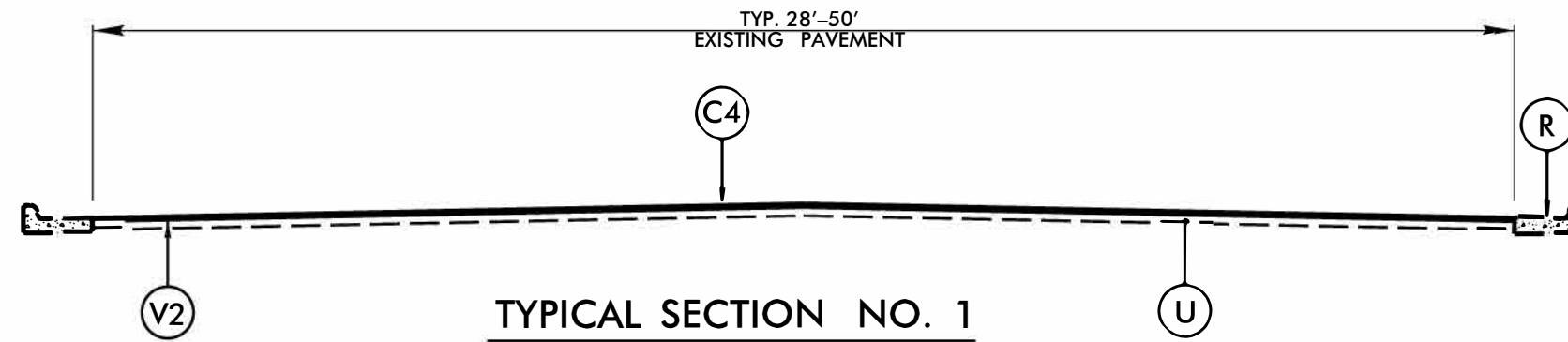


PAVEMENT SCHEDULE

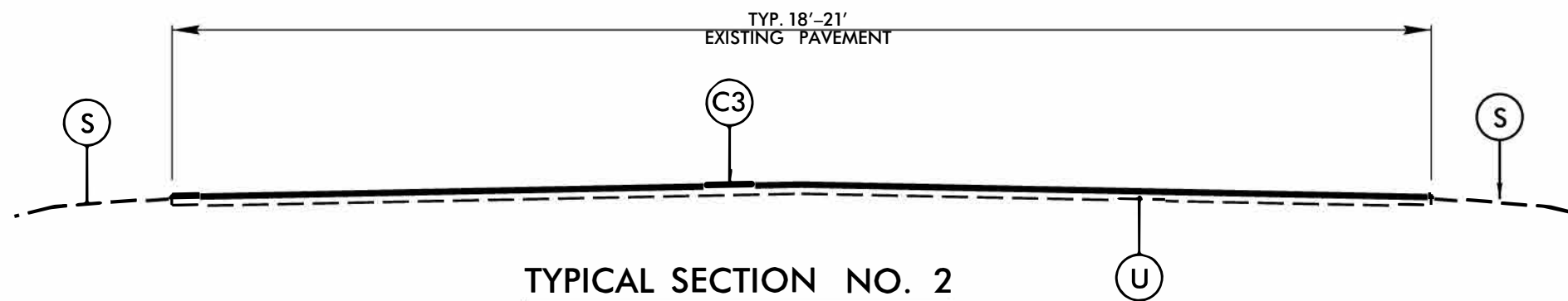
DURHAM COUNTY RESURFACING

PROJECT REFERENCE NO.	SHEET NO.
2025CPT.05.04.10321.1, ETC	17

C1	PROP. APPROX. 1" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.	S	SHOULDER RECONSTRUCTION, ASB REQUIRED
C2	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.	U	EXISTING PAVEMENT
C3	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.	V1	MILLING ASPHALT PAVEMENT, 1 1/4"
C4	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	V2	MILLING ASPHALT PAVEMENT, 1 1/2"
R	EXISTING CURB AND GUTTER		



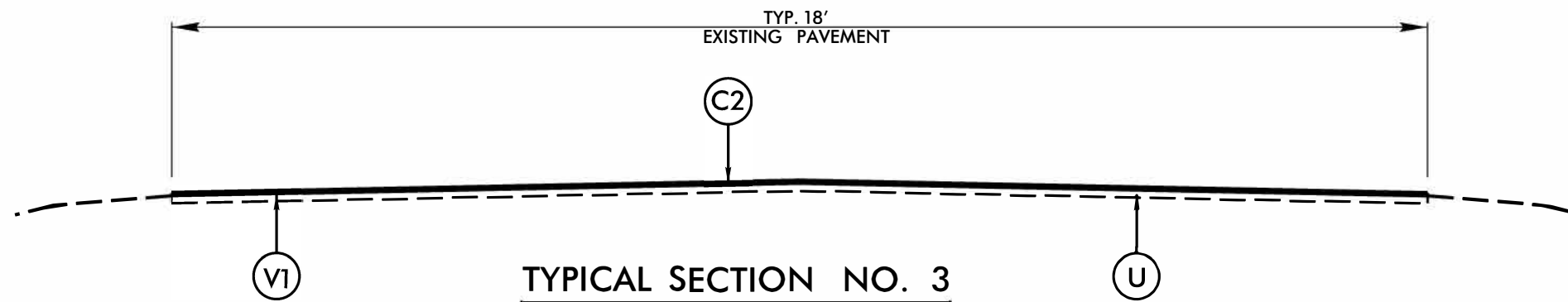
MAP NO.s 1-4



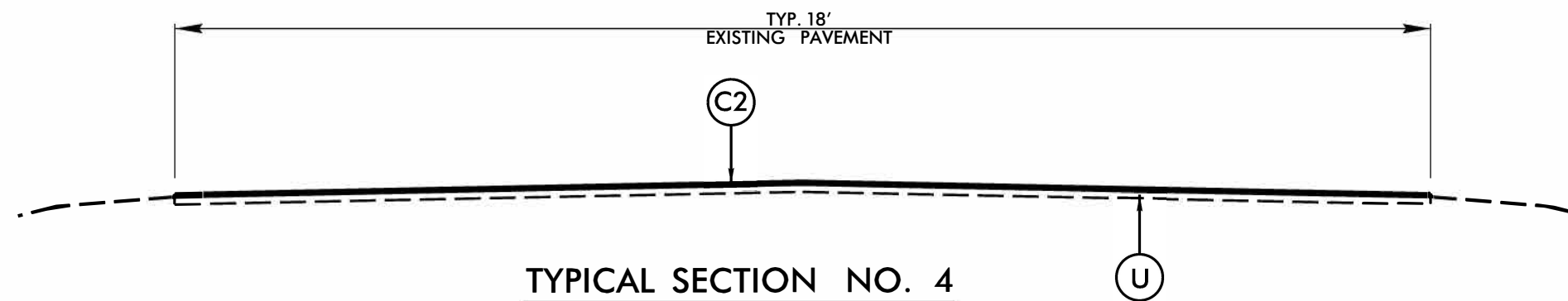
MAP NO.s. 5-6, 9-16, 18

10/25/2024 10:00 AM

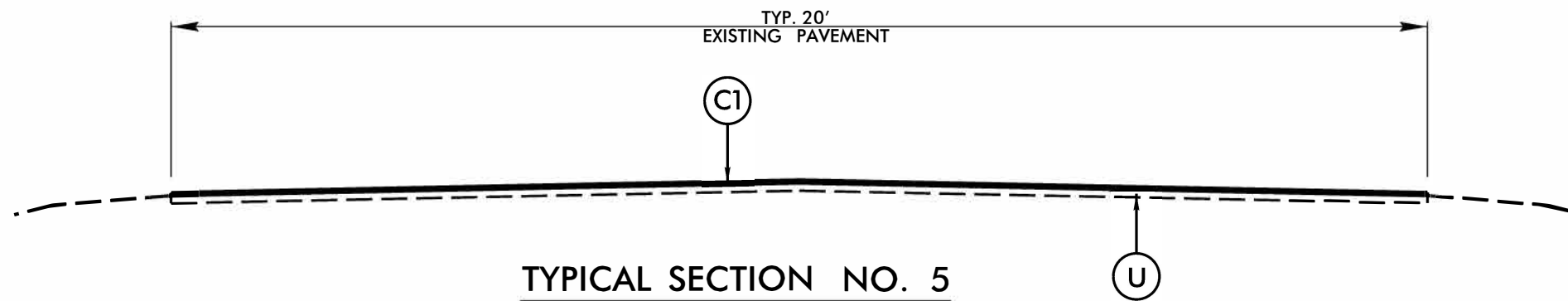
PAVEMENT SCHEDULE	
C1	1" S9.5B
C2	1 1/4" S9.5B
C3	1 1/2" S9.5B
C4	1 1/2" S9.5C
R	EXIST. C&G
S	SHOULDER RECON
U	EXIST. PAVEMENT
V1	1 1/4" MILLING
V2	1 1/2" MILLING



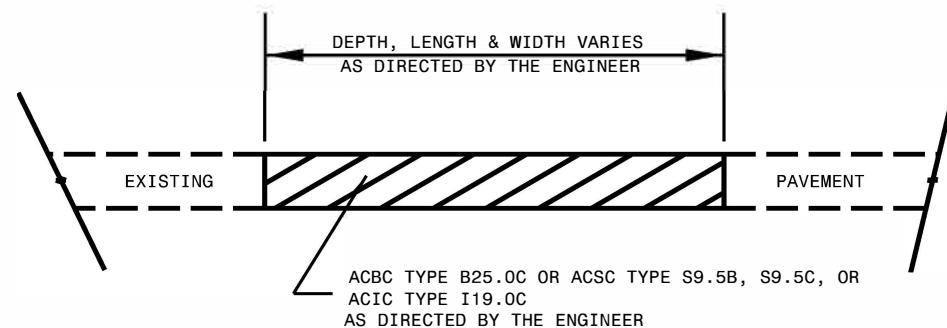
MAP NOS. 7-8,



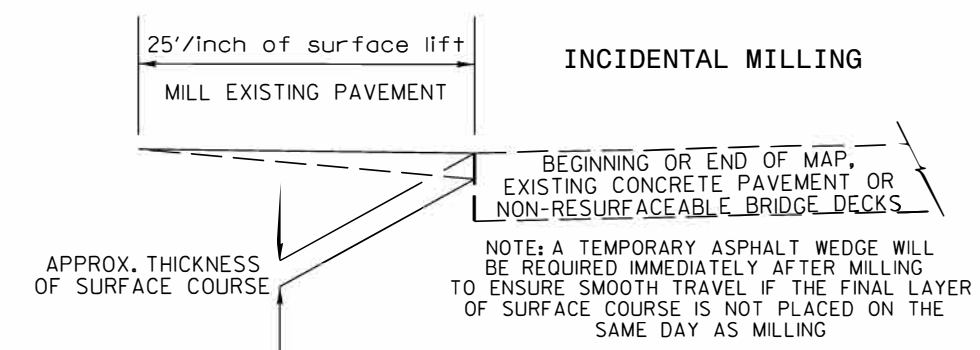
MAP NO. 17

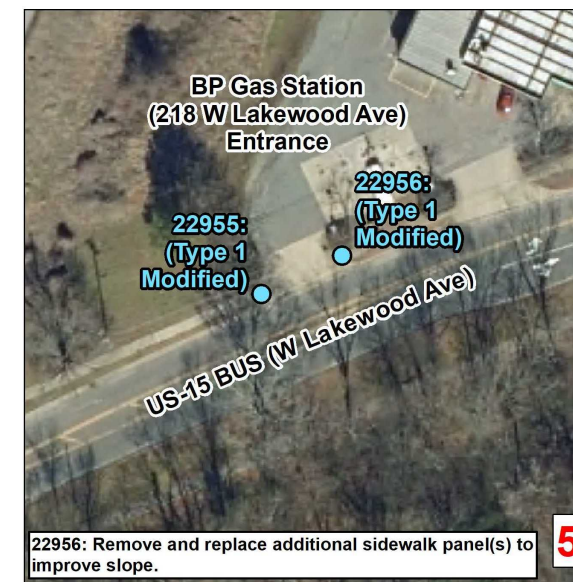
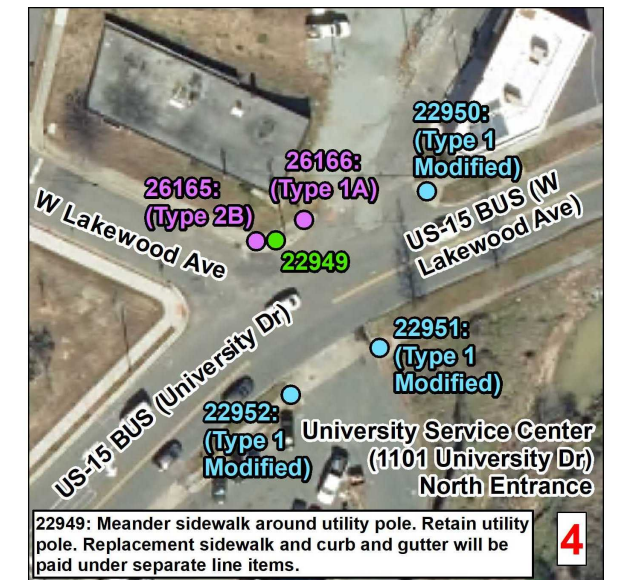
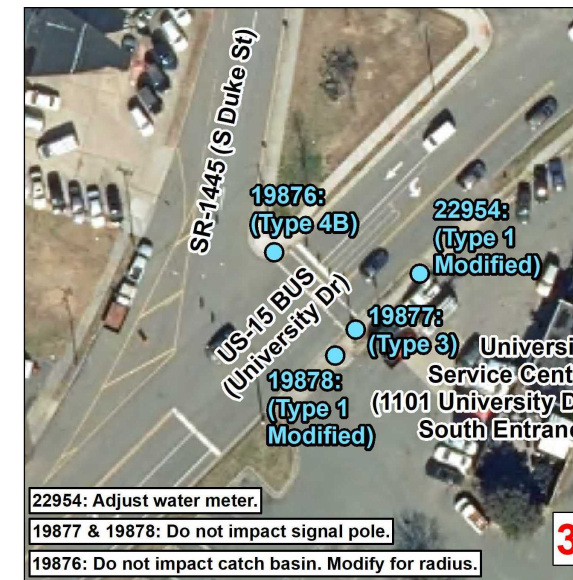
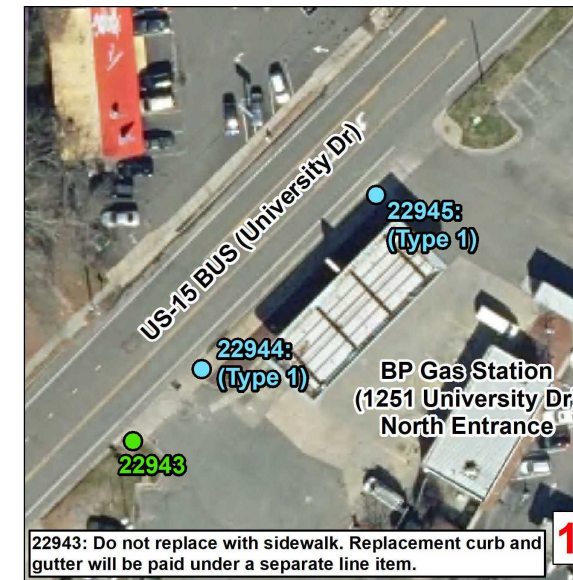
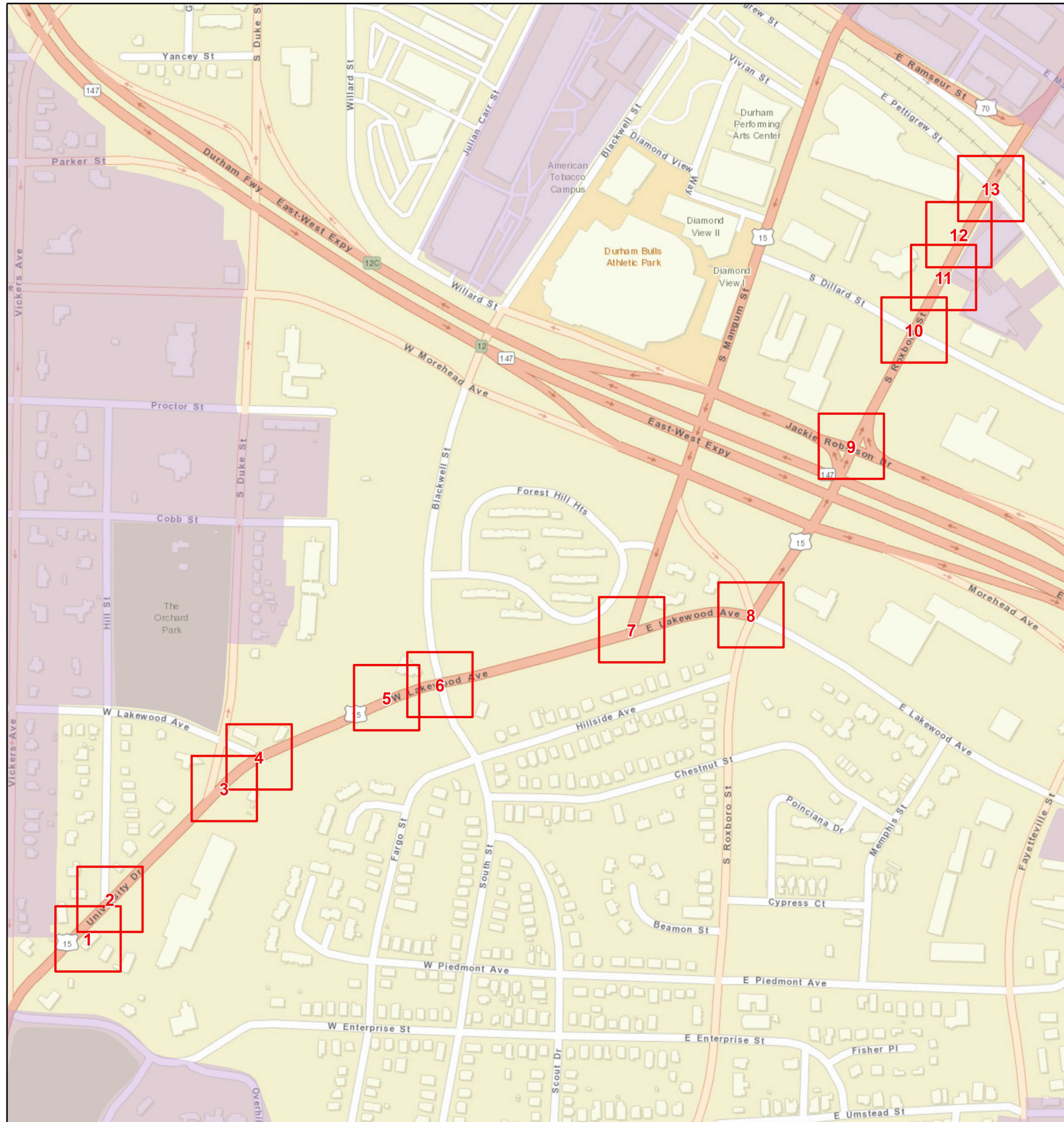


MAP NO. 19-35



PATCHING EXISTING PAVEMENT
MILLING TO BE PERFORMED PRIOR TO PATCHING





Curb Ramps To Be Repaired

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary

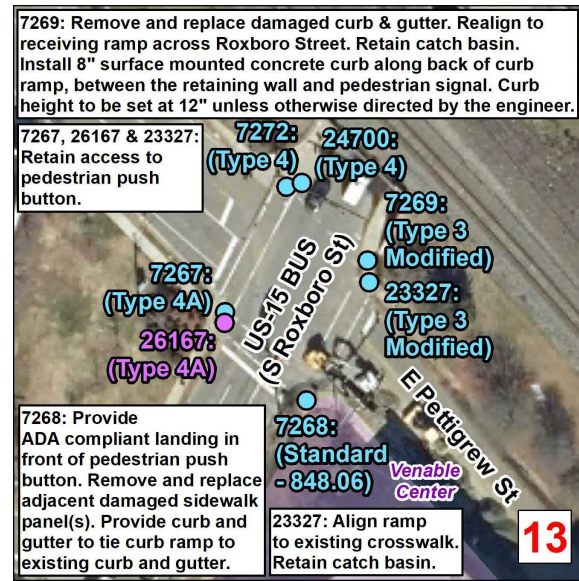
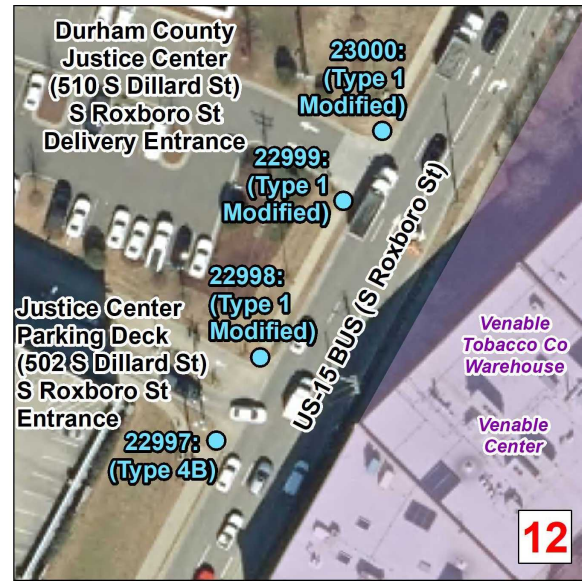
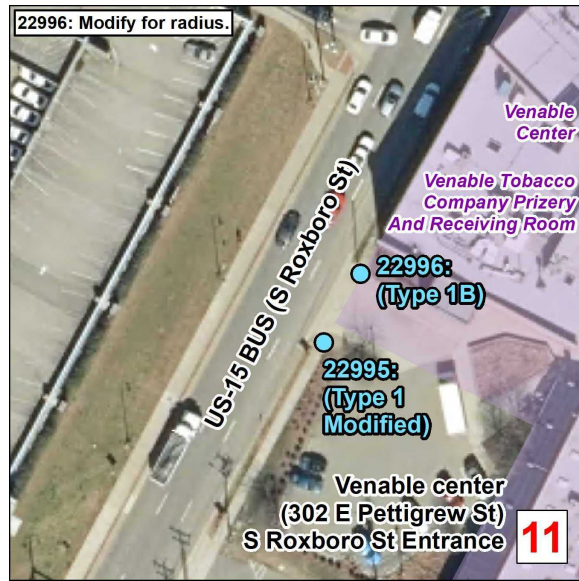
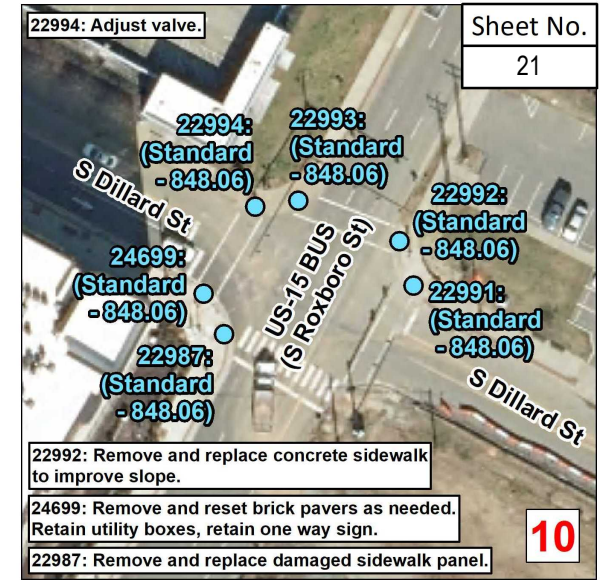
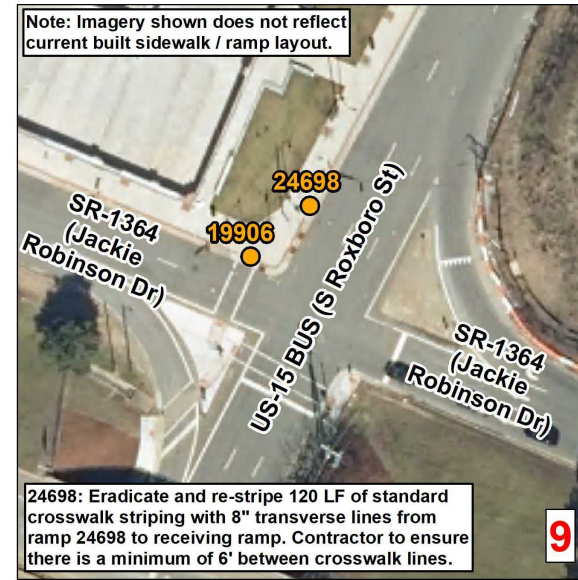
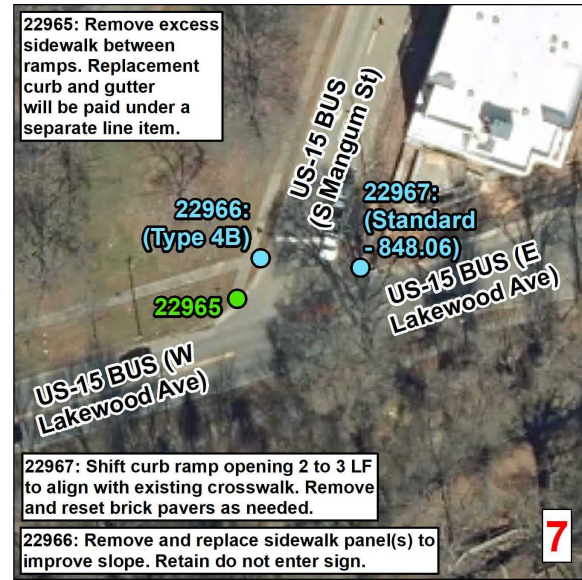
NCHPO Historic Boundary (NR and LHD)

Durham
Project Number: 2025CPT.05.04.10321.1

US 15 Bus
From E Forest Hills Blvd To E Main St

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 5

Source: NVS Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



Curb Ramps To Be Repaired

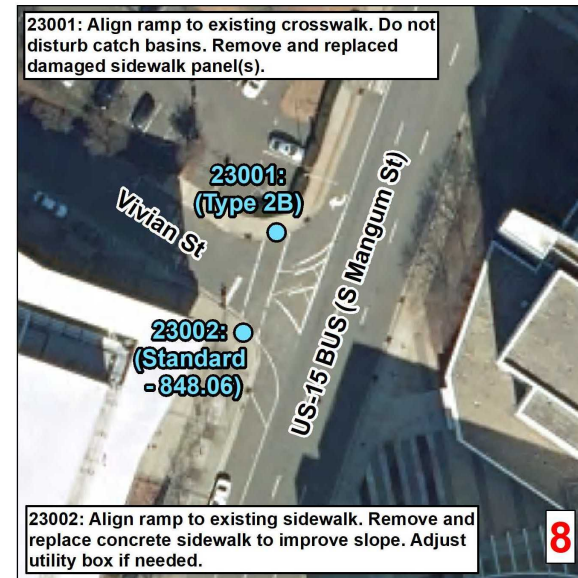
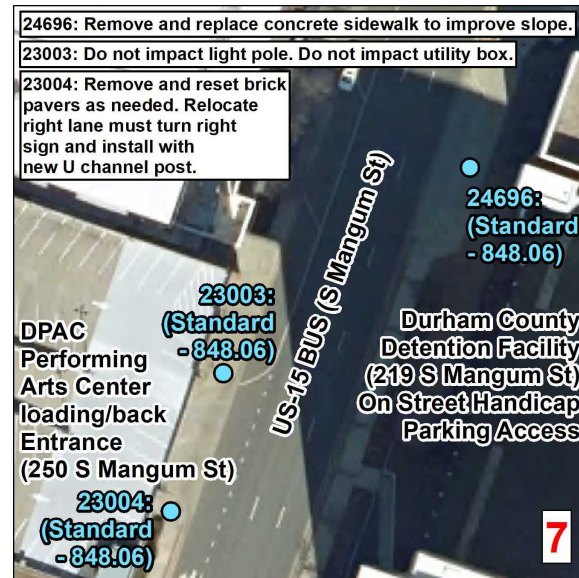
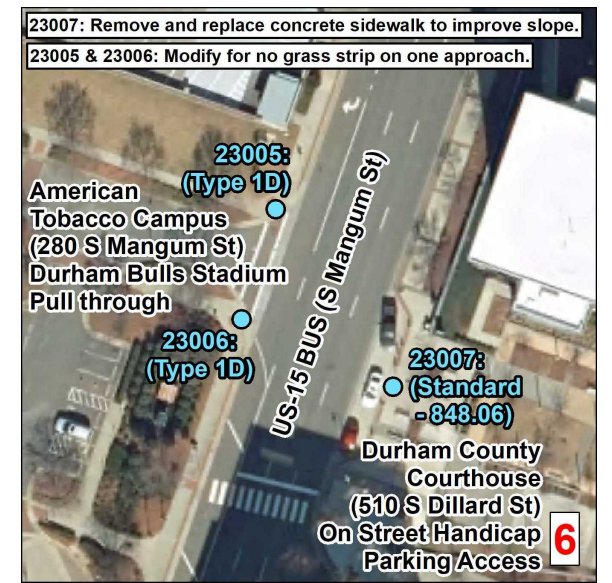
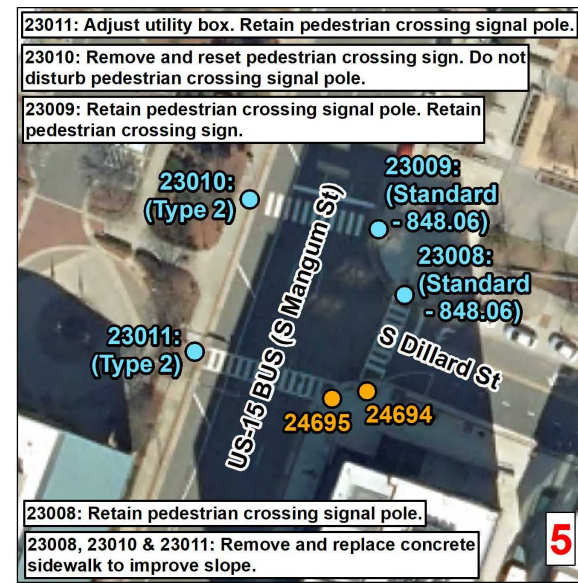
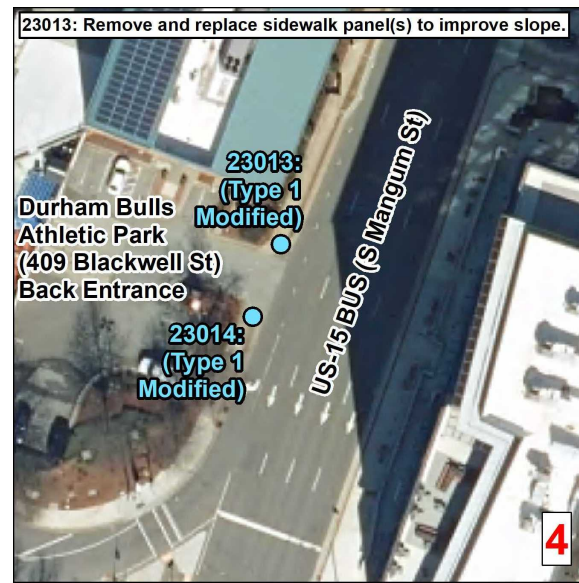
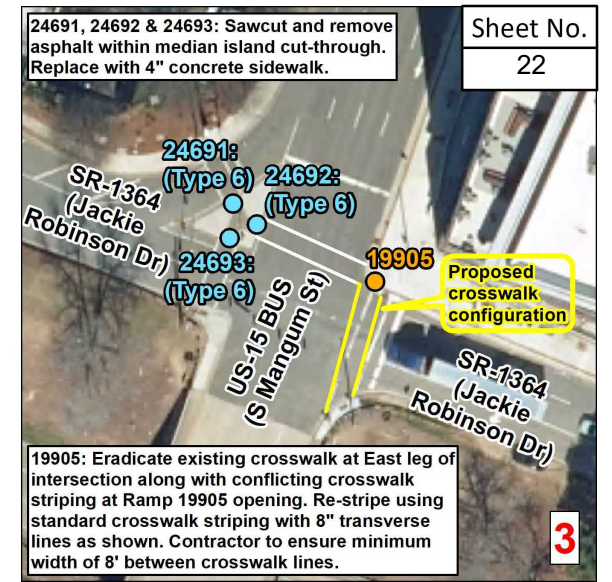
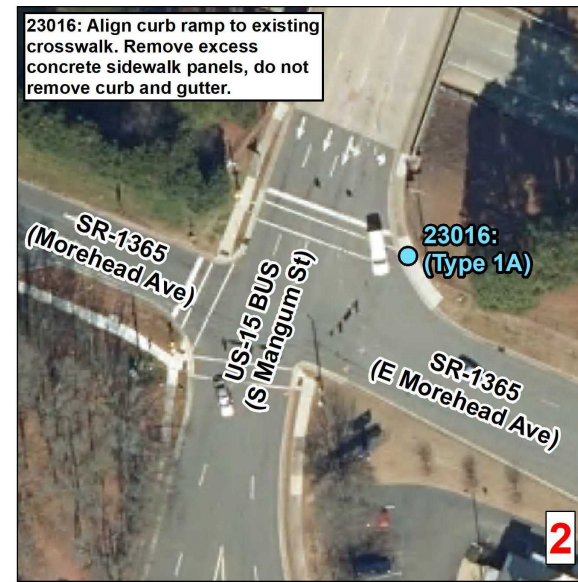
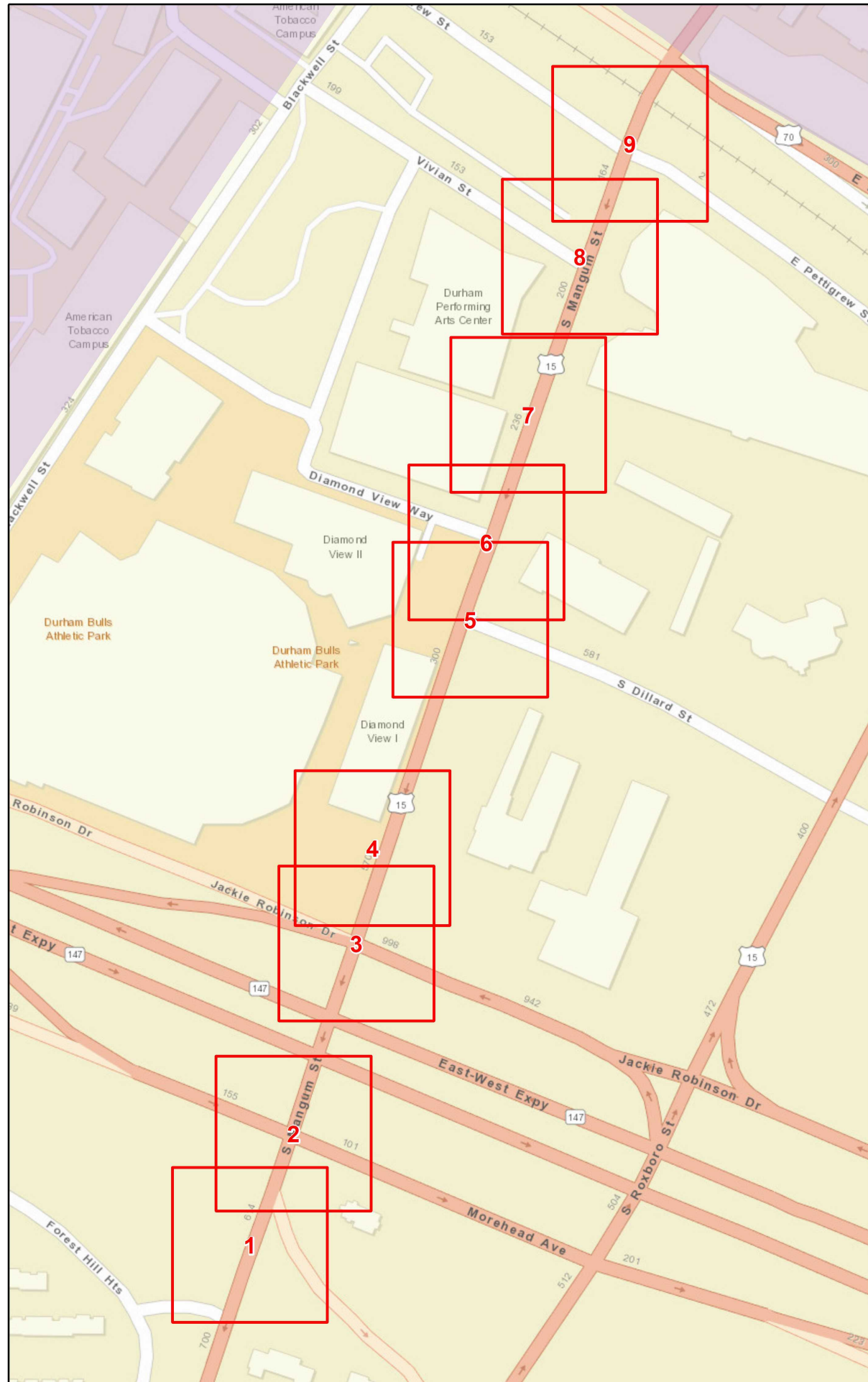
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

Durham
Project Number: 2025CPT.05.04.10321.1
US 15 Bus
From E Forest Hills Blvd To E Main St

NORTH CAROLINA DEPARTMENT
 OF TRANSPORTATION
 DIVISION 5

Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



Sheet No. 22

Curb Ramps To Be Repaired

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

▭ Municipal Boundary

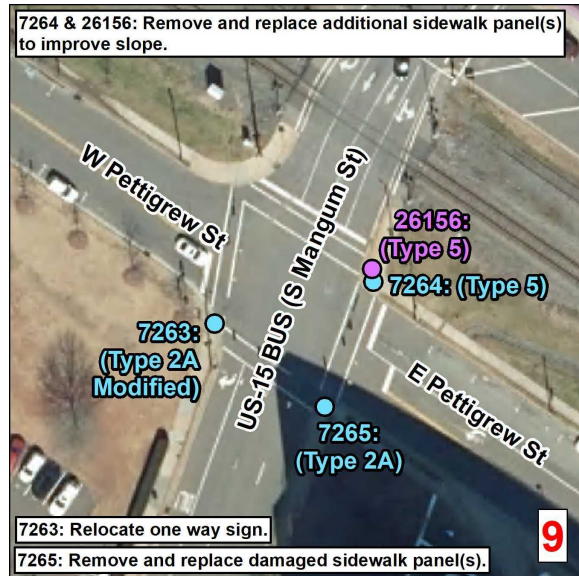
▭ NCHPO Historic Boundary (NR and LHD)










Durham
Project Number: 2025CPT.05.04.10321.1

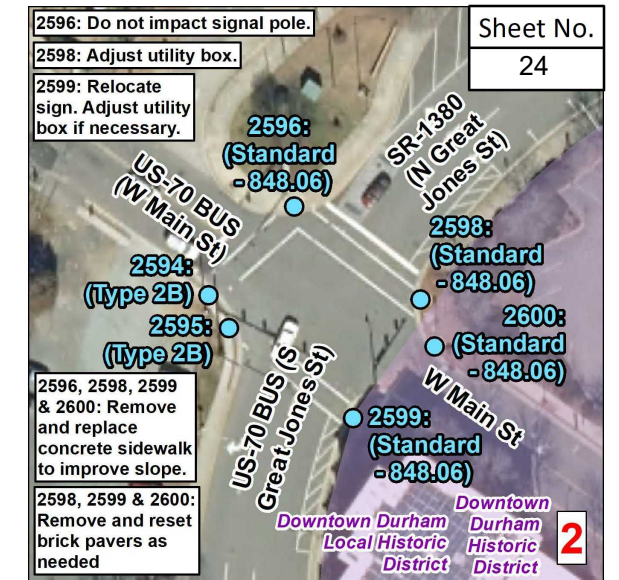
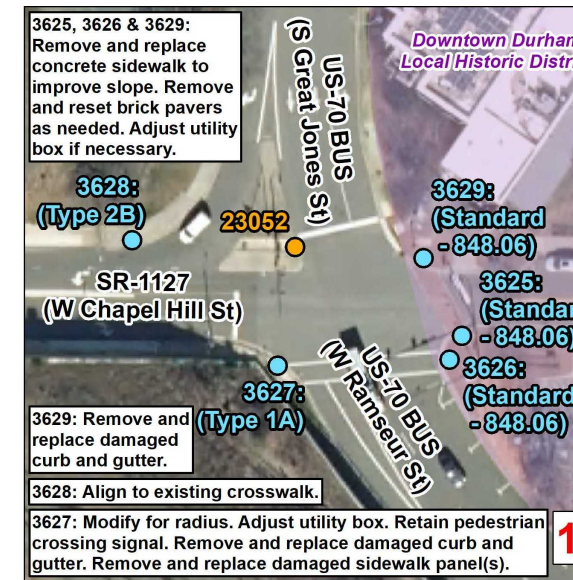
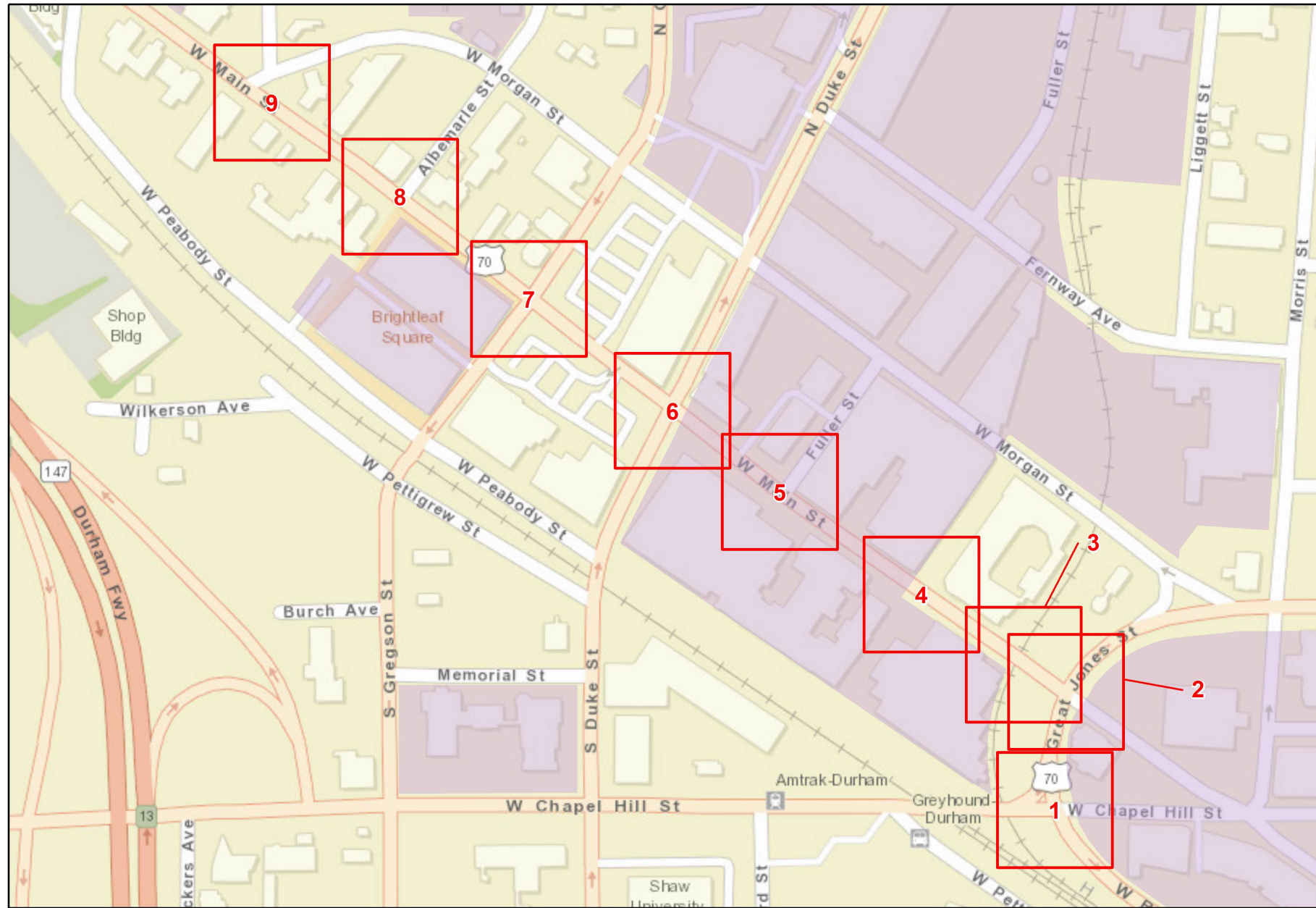
US 15 Bus
From US 70 Bus To US 15 Bus

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 5

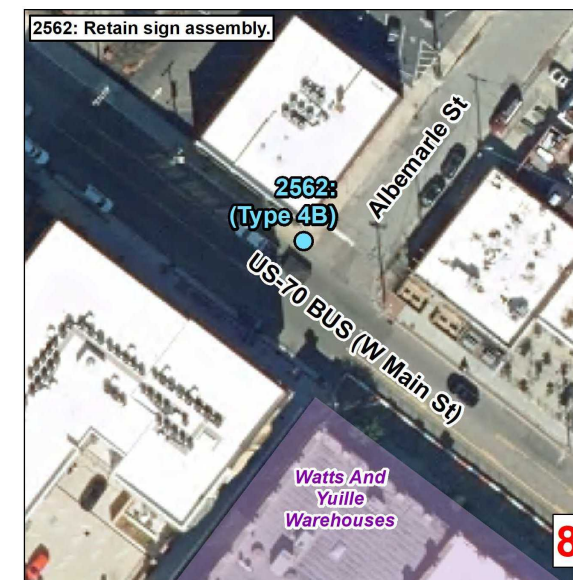
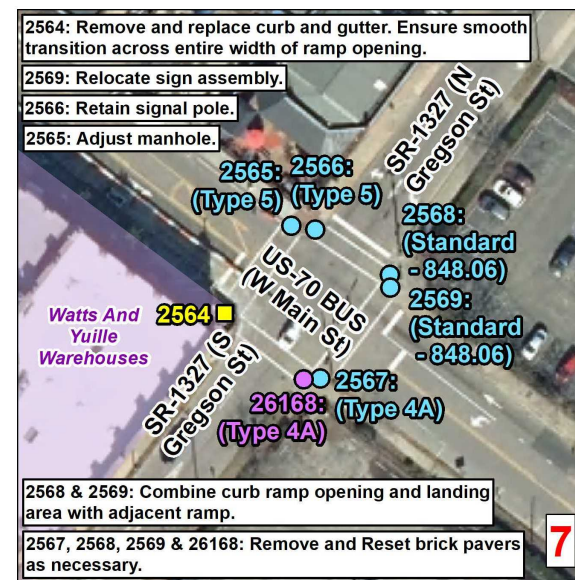
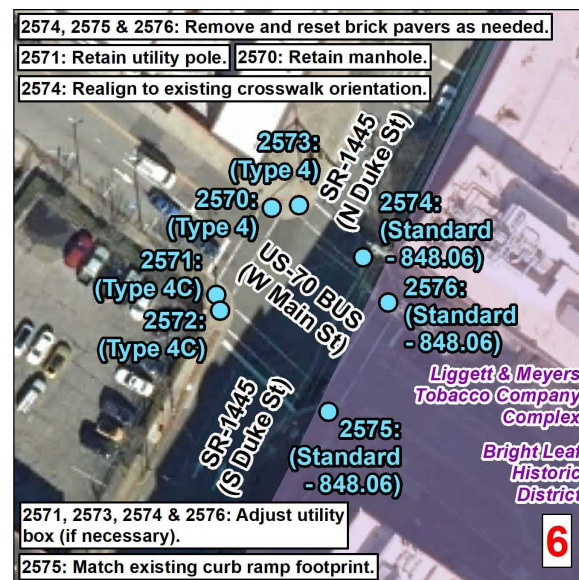
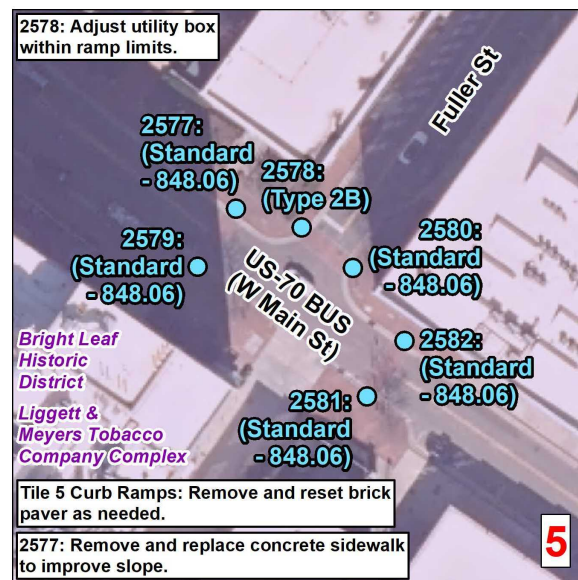
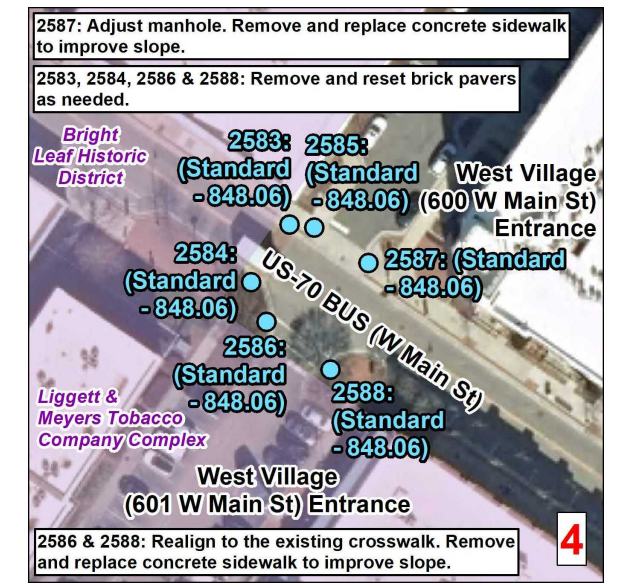
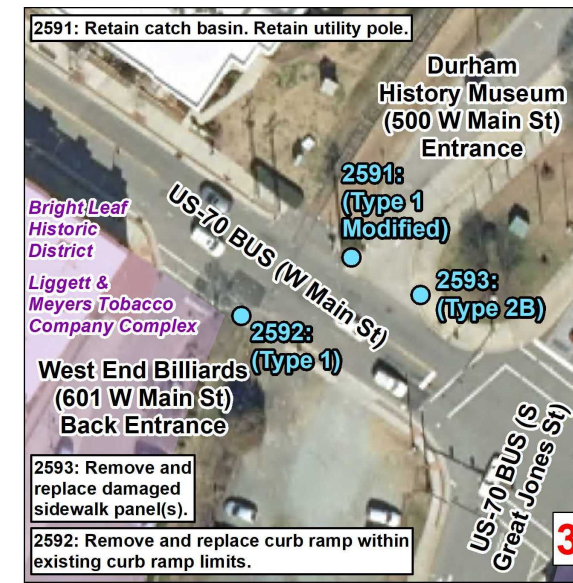
Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



Curb Ramps To Be Repaired	
 Retrofit	
 Remove and Replace	
 New Curb Ramp	
 Remove Ramp	
 Other	
 Municipal Boundary	
 NCHPO Historic Boundary (NR and LHD)	
Durham	
Project Number: 2025CPT.05.04.10321.1	
US 15 Bus	
From US 70 Bus To US 15 Bus	
	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 5
<small>Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO</small>	



Sheet No.
24



Curb Ramps To Be Repaired

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other



□ Municipal Boundary
 ▭ NCHPO Historic Boundary (NR and LHD)

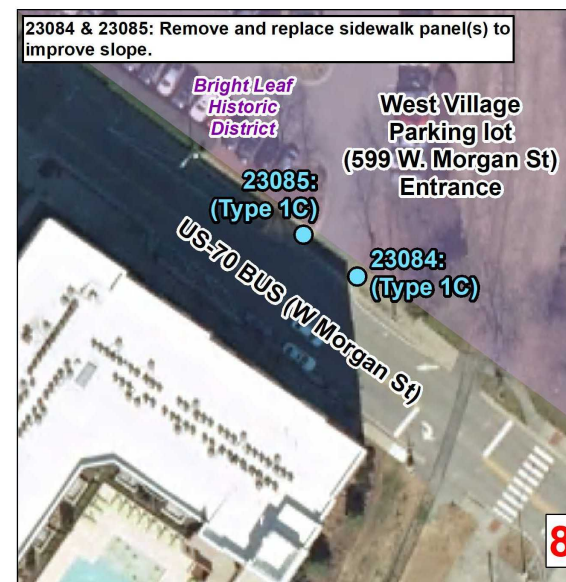
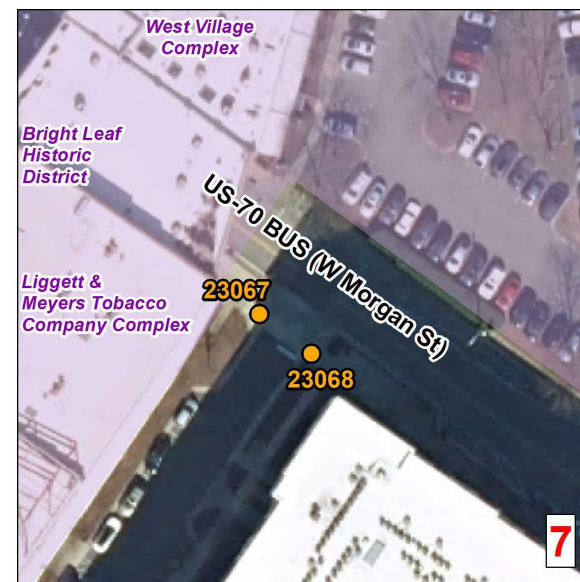
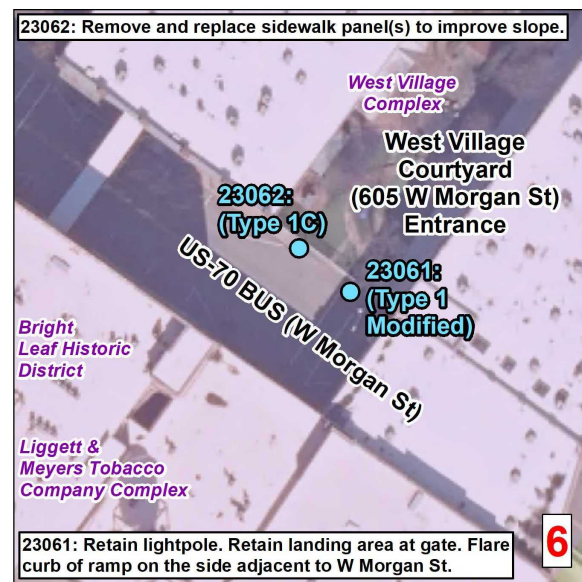
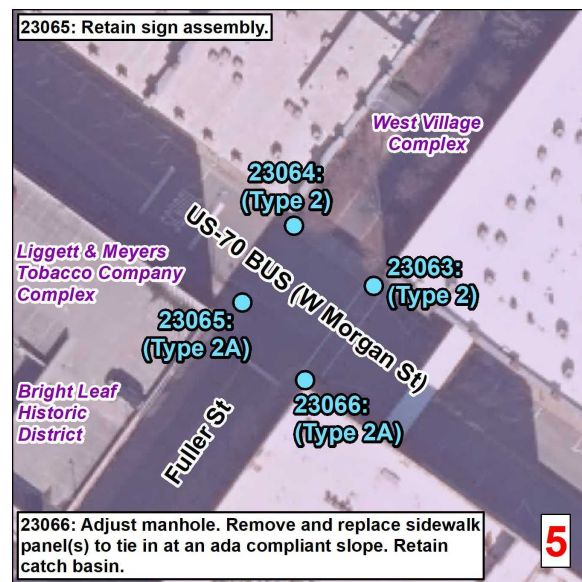
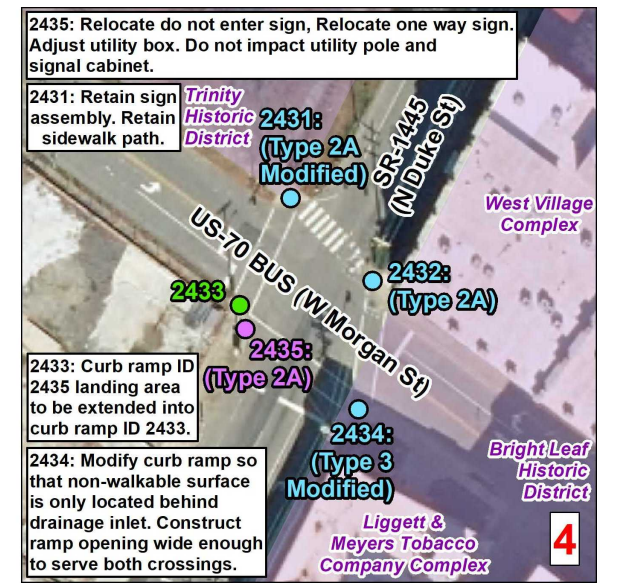
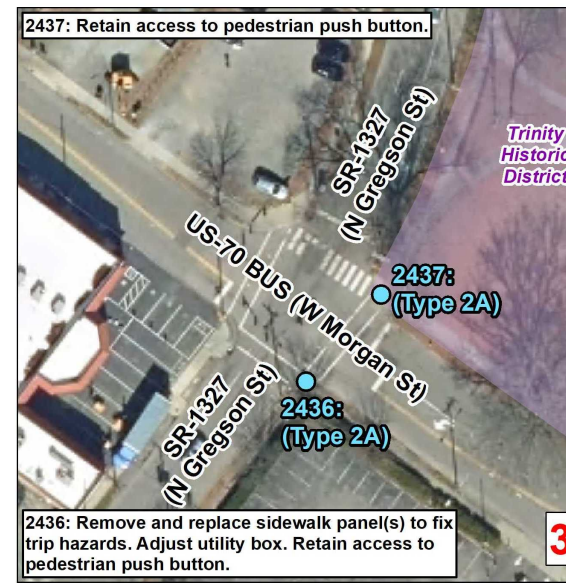
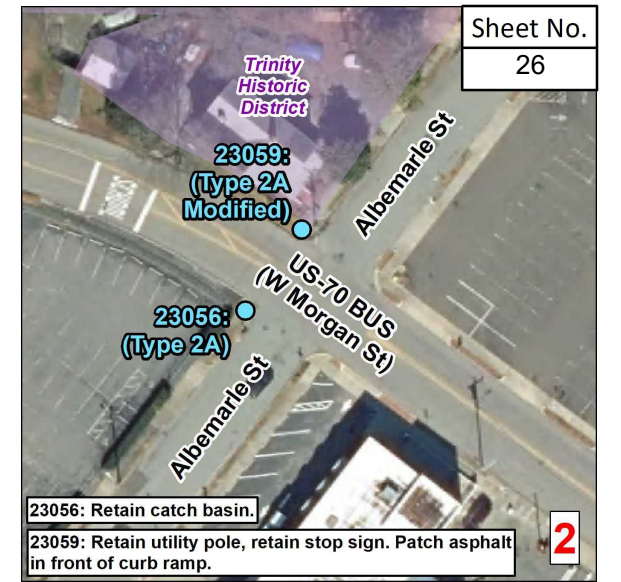
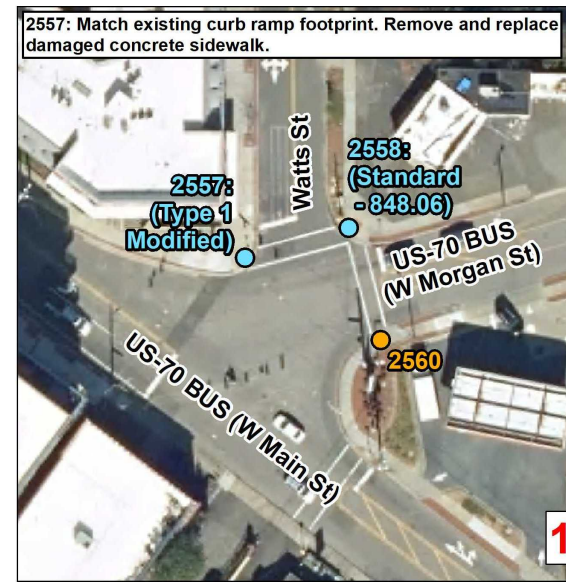
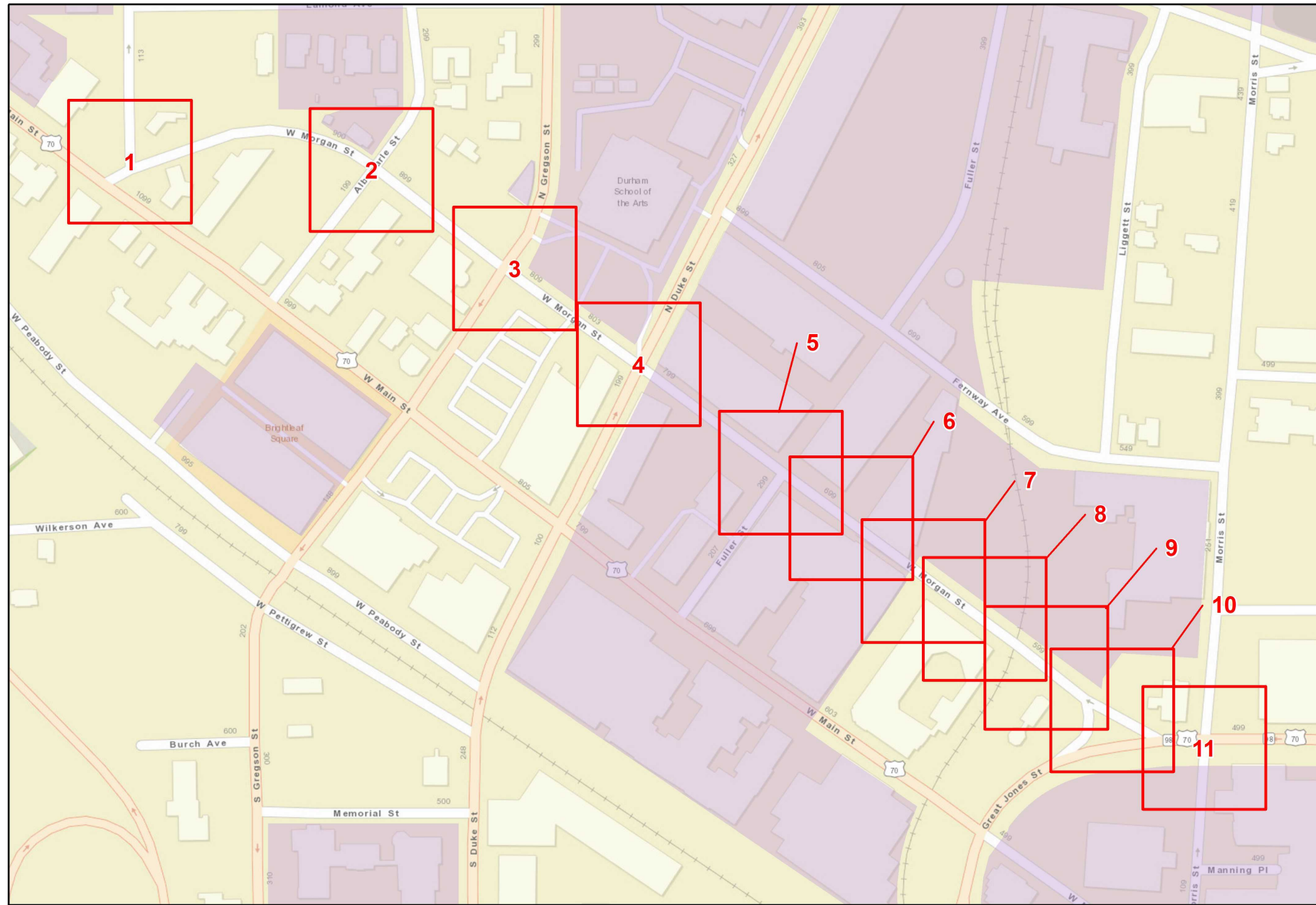
Durham
Project Number: 2025CPT.05.04.10321.1
US 70 Bus
From S Buchanan Blvd To SR 1380

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 5

Source: NVS Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



<p>Curb Ramps To Be Repaired</p> <ul style="list-style-type: none">● Retrofit● Remove and Replace● New Curb Ramp● Remove Ramp■ Other <p> Municipal Boundary</p> <p> NCHPO Historic Boundary (NR and LHD)</p>	
<p>Durham Project Number: 2025CPT.05.04.10321.1 US 70 Bus From S Buchanan Blvd To SR 1380</p>	
<p> NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 5</p>	
<p><small>Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO</small></p>	



Curb Ramps To Be Repaired

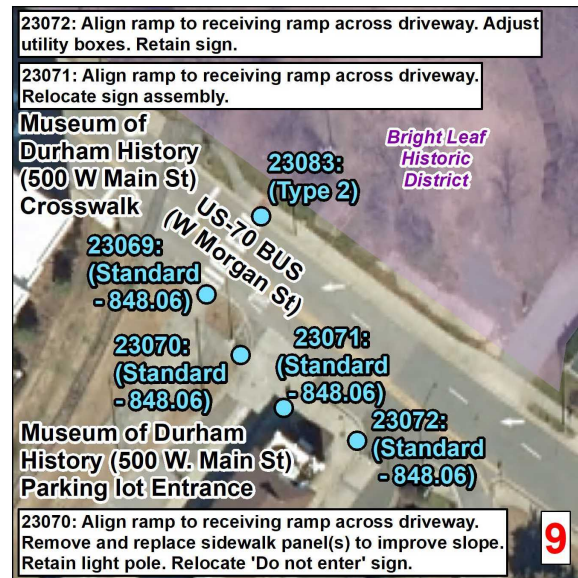
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

Durham
 Project Number: 2025CPT.05.04.10321.1
US 70 Bus
From SR 1380 To US 70 Bus

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION 5

Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



Curb Ramps To Be Repaired

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary

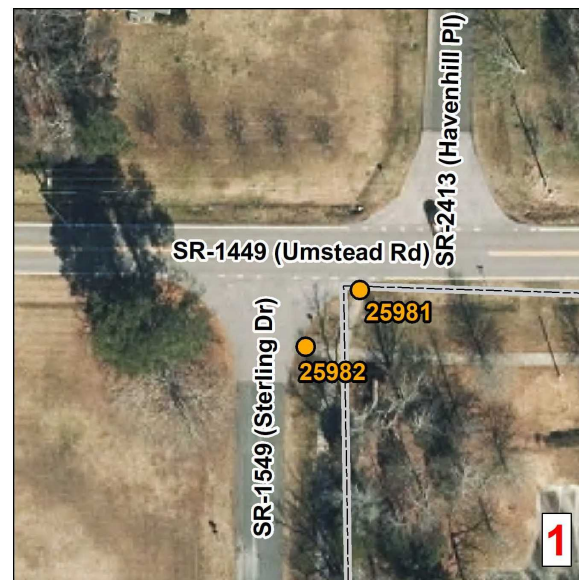
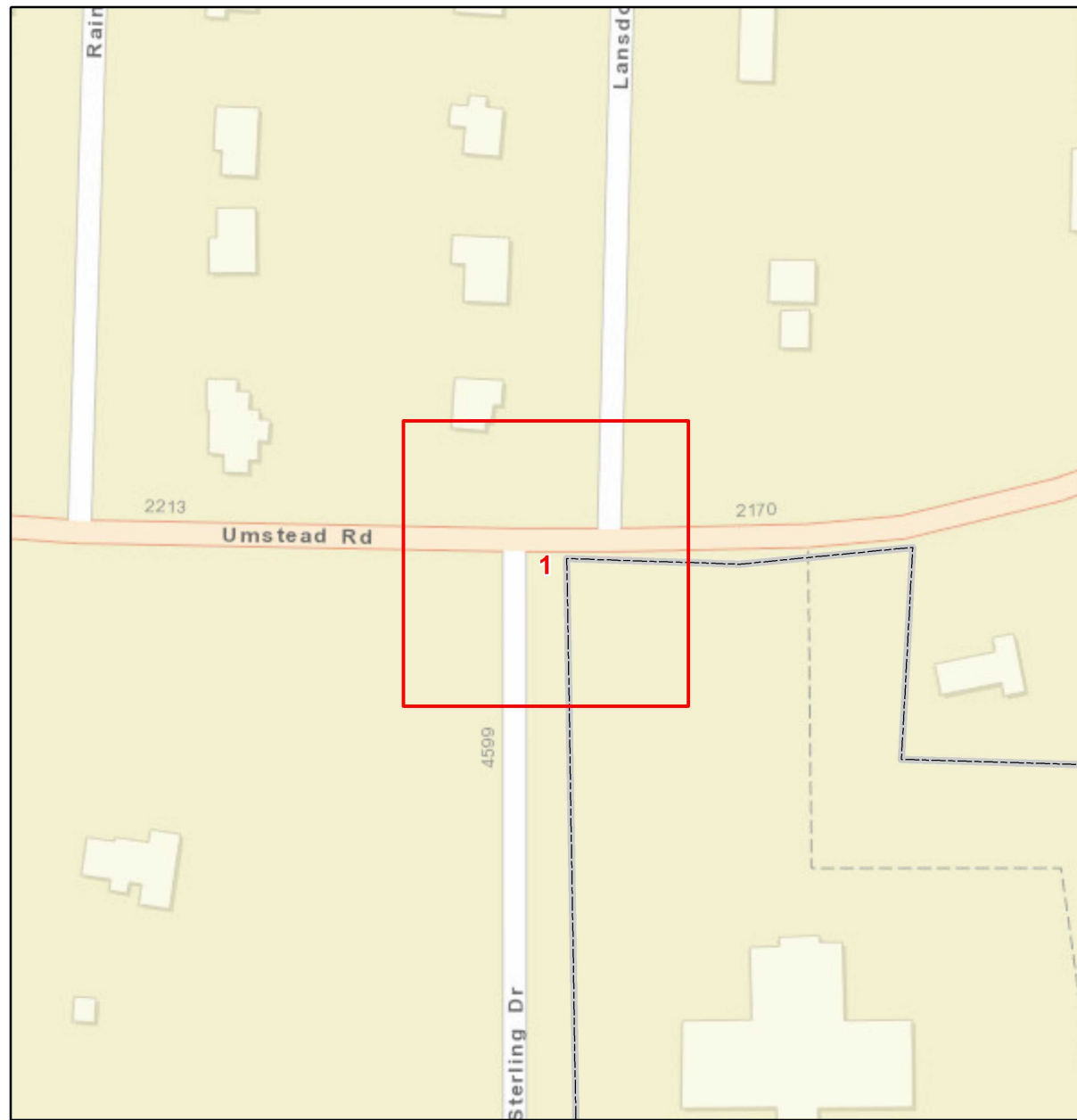
NCHPO Historic Boundary (NR and LHD)





Durham
Project Number: 2025CPT.05.04.10321.1

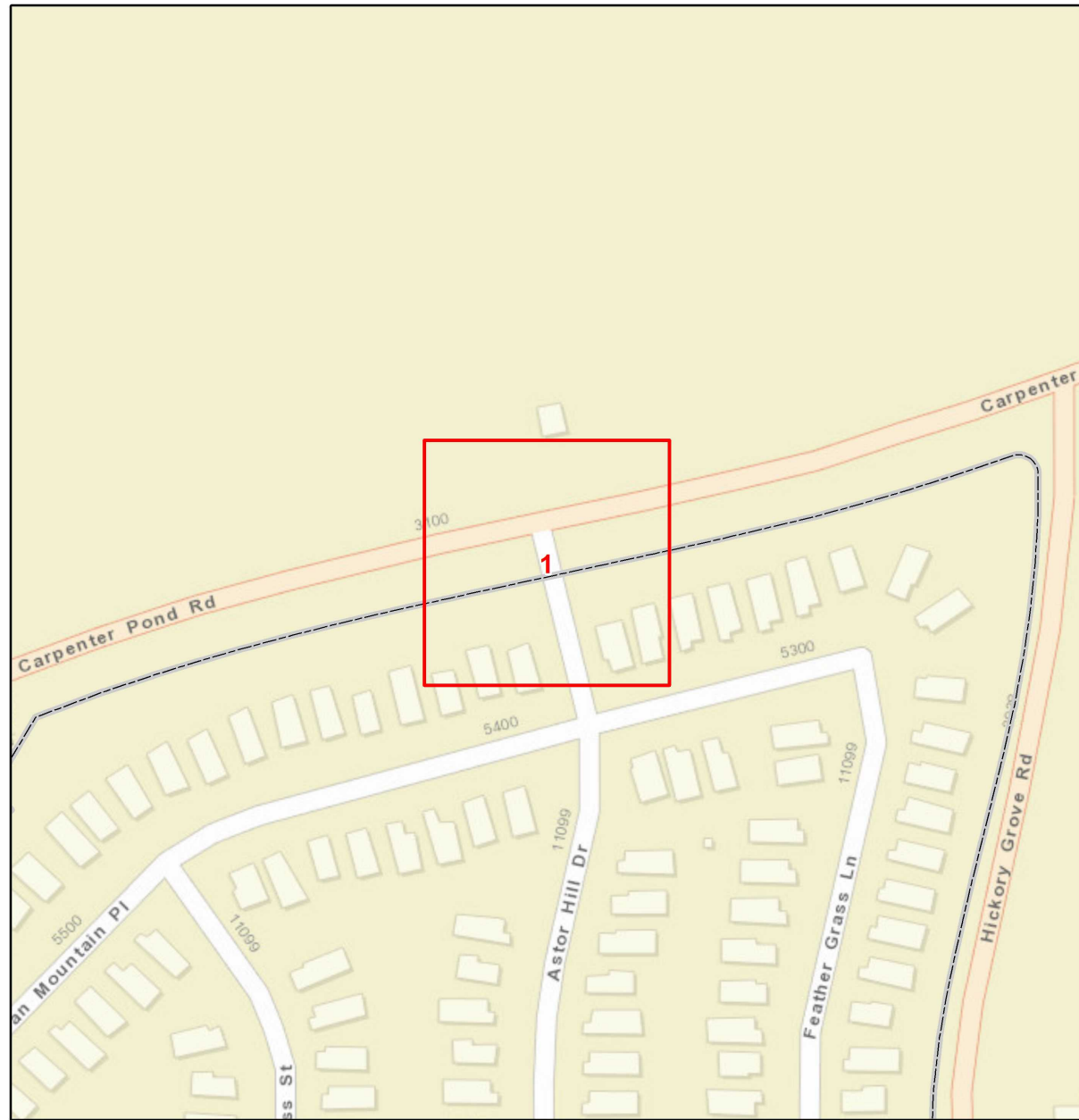
US 70 Bus
From SR 1380 To US 70 Bus

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 5

Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



<p>Curb Ramps To Be Repaired</p> <ul style="list-style-type: none"> ● Retrofit ● Remove and Replace ● New Curb Ramp ● Remove Ramp ■ Other 		
<ul style="list-style-type: none">  Municipal Boundary  NCHPO Historic Boundary (NR and LHD) 		
<p>Durham Project Number: 2025CPT.05.04.20321.1 Sterling Dr From SR 1449 To Cul-de-sac</p>		
		<p>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 5</p>
<p>Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO</p>		



Curb Ramps To Be Repaired		
●	Retrofit	
●	Remove and Replace	
●	New Curb Ramp	
●	Remove Ramp	
■	Other	
	Municipal Boundary	
	NCHPO Historic Boundary (NR and LHD)	
Durham Project Number: 2025CPT.05.04.20321.1 Carpenter Pond Rd From Wake County To SR 1906		
		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 5
Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO		

ADA SUMMARY OF QUANTITIES - US 15 BUS FROM E FOREST HILLS BLVD TO E MAIN ST

Municipality:	Durham
Project Number:	2025CPT.05.04.10321.1
County:	Durham

Sheet No.	30
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Ramp ID	Inset Map Number	Route 1	Route 2	4447000000-E (LF) Pedestrian Channelizing Devices	4600000000-N (EA) Generic Traffic Control Item - Pedestrian Transport Service (Per Trip)	4600000000-N (EA) Generic Traffic Control Item - Audible Warning Devices	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2535000000-E (LF) 8" X 12" Concrete Curb	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2738000000-E (SY) Remove and Reset Brick Pavers	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	4695000000-E (LF) 8" X 90 MIL White Thermo	4860000000-E (LF) 8" Line Removal	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps	Improvement Type		
22943	1	US-15-BUS (University Dr)	BP Gas Station (1251 University Dr) South Entrance						15																		1	Remove Ramp
22944	1	US-15-BUS (University Dr)	BP Gas Station (1251 University Dr) South Entrance																			1					1	Type 1 - 848.06
22945	1	US-15-BUS (University Dr)	BP Gas Station (1251 University Dr) North Entrance																			1					1	Type 1 - 848.06
22947	2	US-15-BUS (University Dr)	Hill St											6								1					1	Type 1D - 848.06
22948	2	US-15-BUS (University Dr)	Hill St											3								1					1	Type 1 Modified - 848.06
19876	3	US-15-BUS (University Dr)	SR-1445 (S Duke St)																			1					1	Type 4B - 848.06
19877	3	US-15-BUS (University Dr)	SR-1445 (S Duke St)																			1					1	Type 3 - 848.06
19878	3	US-15-BUS (University Dr)	SR-1445 (S Duke St)																			1					1	Type 1 Modified - 848.06
22954	3	US-15-BUS (University Dr)	University Service Center (1101 University Dr) South Entrance															1				1					1	Type 1 Modified - 848.06
22949	4	US-15-BUS (W Lakewood Ave)	Business Entrance (420 W Lakewood Ave)						15				9													1	1	Remove Ramp
22950	4	US-15-BUS (W Lakewood Ave)	Business Entrance (420 W Lakewood Ave)																			1					1	Type 1 Modified - 848.06
22951	4	US-15-BUS (University Dr)	University Service Center (1101 University Dr) North Entrance																			1					1	Type 1 Modified - 848.06
22952	4	US-15-BUS (University Dr)	University Service Center (1101 University Dr) North Entrance																			1					1	Type 1 Modified - 848.06
26165	4	US-15-BUS (University Dr)	W Lakewood Ave																					1			1	Type 2B - 848.06
26166	4	US-15-BUS (W Lakewood Ave)	Business Entrance (420 W Lakewood Ave)																					1			1	Type 1A - 848.06
22955	5	US-15-BUS (W Lakewood Ave)	BP Gas Station (218 W Lakewood Ave) Entrance																			1					1	Type 1 Modified - 848.06
22956	5	US-15-BUS (W Lakewood Ave)	BP Gas Station (218 W Lakewood Ave) Entrance											4								1					1	Type 1 Modified - 848.06
22957	6	US-15-BUS (W Lakewood Ave)	South St																			1					1	Type 4A - 848D0610
22958	6	US-15-BUS (W Lakewood Ave)	South St																			1					1	Type 4A - 848D0610
22959	6	US-15-BUS (W Lakewood Ave)	South St																			1					1	Type 5 - 848.06
22960	6	US-15-BUS (W Lakewood Ave)	South St																			1					1	Type 5 - 848.06
22963	6	US-15-BUS (W Lakewood Ave)	Blackwell St																			1					1	Type 3 Modified - 848D0609
22964	6	US-15-BUS (W Lakewood Ave)	Blackwell St																			1					1	Type 3 Modified - 848D0609
22965	7	US-15-BUS (W Lakewood Ave)	US-15-BUS (S Mangum St)						12						7												1	Remove Ramp
22966	7	US-15-BUS (W Lakewood Ave)	US-15-BUS (S Mangum St)											9								1					1	Type 4B - 848D0610
22967	7	US-15-BUS (E Lakewood Ave)	US-15-BUS (S Mangum St)						3		3					1						1					1	Standard - 848.06
22968	8	US-15-BUS (S Roxboro St)	E Lakewood Ave																			1					1	Type 2A - 848.06
22969	8	US-15-BUS (S Roxboro St)	SR-1367 (Mangum Roxboro Connector)																			1					1	Type 5 - 848.06
22970	8	US-15-BUS (S Roxboro St)	SR-1367 (Mangum Roxboro Connector)																			1					1	Type 5 - 848.06
22971	8	US-15-BUS (S Roxboro St)	US-15-BUS (E Lakewood Ave)																			1					1	Retrofit Warnings - 848.06
22972	8	US-15-BUS (S Roxboro St)	US-15-BUS (E Lakewood Ave)																			1					1	Type 5 - 848.06
22973	8	US-15-BUS (S Roxboro St)	US-15-BUS (E Lakewood Ave)																			1					1	Type 5 - 848.06
22974	8	US-15-BUS (S Roxboro St)	E Lakewood Ave																			1					1	Type 3 Modified - 848D0609
22975	8	US-15-BUS (S Roxboro St)	E Lakewood Ave																			1					1	Type 3 Modified - 848D0609
24697	8	US-15-BUS (S Roxboro St)	SR-1367 (Mangum Roxboro Connector)																			1					1	Retrofit Warnings - 848.06
19906	9	US-15-BUS (S Roxboro St)	SR-1364 (Jackie Robinson Dr)																			1					1	Retrofit Warnings - 848.06
24698	9	US-15-BUS (S Roxboro St)	SR-1364 (Jackie Robinson Dr)																		120	120	1				1	Retrofit Warnings - 848.06
22987	10	US-15-BUS (S Roxboro St)	S Dillard St											3		1						1					1	Standard - 848.06
22991	10	US-15-BUS (S Roxboro St)	S Dillard St																			1					1	Standard - 848.06
22992	10	US-15-BUS (S Roxboro St)	S Dillard St											3								1					1	Standard - 848.06
22993	10	US-15-BUS (S Roxboro St)	S Dillard St																			1					1	Standard - 848.06
22994	10	US-15-BUS (S Roxboro St)	S Dillard St																1			1					1	Standard - 848.06
24699	10	US-15-BUS (S Roxboro St)	S Dillard St																			1					1	Standard - 848.06
22995	11	US-15-BUS (S Roxboro St)	Venable center (302 E Pettigrew St) S Roxboro St Entrance													3						1					1	Type 1 Modified - 848.06
22996	11	US-15-BUS (S Roxboro St)	Venable center (302 E Pettigrew St) S Roxboro St Entrance											9	3							1					1	Type 1B - 848.06
Sub-Total				0	0	0	0	0	45	0	3	0	9	37	13	3	0	2	0	120	120	4	36	2	3			

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.; (2) Truncated domes installed for all new / repaired ramps are to be 'Federal Yellow'. (3) Curb ramp work done in areas with brick paver sidewalk are to be constructed with concrete. Brick pavers are to be removed only as necessary. Any existing brick outside of the limits of the work are to be neatly sawcut along the edge of the curb ramp and reset in order to tie flush with the work itself.

ADA SUMMARY OF QUANTITIES - US 15 BUS FROM E FOREST HILLS BLVD TO E MAIN ST

Municipality:	Durham
Project Number:	2025CPT.05.04.10321.1
County:	Durham

Sheet No.	31
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Ramp ID	Inset Map Number	Route 1	Route 2	4447000000-E (LF) Pedestrian Channelizing Devices	4600000000-N (EA) Generic Traffic Control Item - Pedestrian Transport Service (Per Trip)	4600000000-N (EA) Generic Traffic Control Item - Audible Warning Devices	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2535000000-E (LF) 8" X 12" Concrete Curb	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2738000000-E (SY) Remove and Reset Brick Pavers	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	4695000000-E (LF) 8" X 90 MIL White Thermo	4860000000-E (LF) 8" Line Removal	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps	Improvement Type	
22997	12	US-15-BUS (S Roxboro St)	Justice Center Parking Deck (502 S Dillard St) S Roxboro St Entrance																				1				Type 4B - 8480610
22998	12	US-15-BUS (S Roxboro St)	Justice Center Parking Deck (502 S Dillard St) S Roxboro St Entrance																				1				Type 1 Modified - 848.06
22999	12	US-15-BUS (S Roxboro St)	Durham County Justice Center (510 S Dillard St) S Roxboro St Delivery Entrance																				1				Type 1 Modified - 848.06
23000	12	US-15-BUS (S Roxboro St)	Durham County Justice Center (510 S Dillard St) S Roxboro St Delivery Entrance																				1				Type 1 Modified - 848.06
7267	13	US-15 BUS (S Roxboro St)	E Pettigrew St																				1				Type 4A - 848D0610
7268	13	US-15-BUS (S Roxboro St)	E Pettigrew St					5					3	12									1				Standard - 848.06
7269	13	US-15 BUS (S Roxboro St)	E Pettigrew St						18			15											1				Type 3 Modified - 848D0609
7272	13	US-15 BUS (S Roxboro St)	E Pettigrew St																				1				Type 4 - 848D0610
23327	13	US-15 BUS (S Roxboro St)	E Pettigrew St																				1				Type 3 Modified - 848D0609
24700	13	US-15 BUS (S Roxboro St)	E Pettigrew St																				1				Type 4 - 848D0610
26167	13	US-15 BUS (S Roxboro St)	E Pettigrew St																					1	1		Type 4A - 848D0610
-	-	-	-	60	10	2	-	-	138*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total				60	10	2	0	0	143	18	0	15	3	12	0	0	0	0	0	0	0	0	10	1	0		
Sub-Total for US 15 Bus From E Forest Hills Blvd To E Main St				60	10	2	0	0	188	18	3	15	12	49	13	3	0	0	2	0	120	120	4	46	3	3	

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.; (2) Truncated domes installed for all new / repaired ramps are to be 'Federal Yellow'. (3) Curb ramp work done in areas with brick paver sidewalk are to be constructed with concrete. Brick pavers are to be removed only as necessary. Any existing brick outside of the limits of the work are to be neatly sawcut along the edge of the curb ramp and reset in order to tie flush with the work itself.; (4) * Contingency line item amount provided for adjustments outside of curb ramp paylimits.

ADA SUMMARY OF QUANTITIES - US 15 BUS FROM US 70 BUS TO US 15 BUS

Municipality:	Durham
Project Number:	2025CPT.05.04.10321.1
County:	Durham

Sheet No.	32
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Ramp ID	Inset Map Number	Route 1	Route 2	4447000000-E (LF) Pedestrian Channelizing Devices	4600000000-N (EA) Generic Traffic Control Item - Pedestrian Transport Service (Per Trip)	4600000000-N (EA) Generic Traffic Control Item - Audible Warning Devices	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2535000000-E (LF) 8" X 12" Concrete Curb	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2738000000-E (SY) Remove and Reset Brick Pavers	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	4695000000-E (LF) 8" X 90 MIL White Thermo	4860000000-E (LF) 8" Line Removal	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps	Improvement Type	
24690	1	US-15 BUS (S Mangum St)	SR-1367 (Mangum Roxboro Connector)																			1					Retrofit Warnings - 848.06
24689	1	US-15 BUS (S Mangum St)	SR-1367 (Mangum Roxboro Connector)																			1					Retrofit Warnings - 848.06
23016	2	US-15-BUS (S Mangum St)	SR-1365 (E Morehead Ave)													9							1				Type 1A - 848.06
19905	3	US-15-BUS (S Mangum St)	SR-1364 (Jackie Robinson Dr)																		120	110	1				Retrofit Warnings - 848.06
24693	3	US-15 BUS (S Mangum St)	SR-1364 (Jackie Robinson Dr)				4																	1			Type 6 - 848.06
24692	3	US-15 BUS (S Mangum St)	SR-1364 (Jackie Robinson Dr)				4																	1			Type 6 - 848.06
24691	3	US-15 BUS (S Mangum St)	SR-1364 (Jackie Robinson Dr)				4																	1			Type 6 - 848.06
23013	4	US-15-BUS (S Mangum St)	Durham Bulls Athletic Park (409 Blackwell St) Back Entrance											3										1			Type 1 Modified - 848.06
23014	4	US-15-BUS (S Mangum St)	Durham Bulls Athletic Park (409 Blackwell St) Back Entrance																					1			Type 1 Modified - 848.06
23008	5	US-15-BUS (S Mangum St)	S Dillard St											6		1								1			Standard - 848.06
23009	5	US-15-BUS (S Mangum St)	S Dillard St													1								1			Standard - 848.06
23010	5	US-15-BUS (S Mangum St)	S Dillard St											6		1			1					1			Type 2 - 848.06
23011	5	US-15-BUS (S Mangum St)	S Dillard St											6		1		1						1			Type 2 - 848.06
24695	5	US-15 BUS (S Mangum St)	S Dillard St																				1				Retrofit Warnings - 848.06
24694	5	US-15 BUS (S Mangum St)	S Dillard St																				1				Retrofit Warnings - 848.06
23005	6	US-15-BUS (S Mangum St)	American Tobacco Campus (280 S Mangum St) Durham Bulls Stadium Pull through																					1			Type 1D - 848.06
23006	6	US-15-BUS (S Mangum St)	American Tobacco Campus (280 S Mangum St) Durham Bulls Stadium Pull through																					1			Type 1D - 848.06
23007	6	US-15-BUS (S Mangum St)	Durham County Courthouse (510 S Dillard St) On Street Handicap Parking Access											3		1								1			Standard - 848.06
23003	7	US-15-BUS (S Mangum St)	DPAC performing arts center loading/back Entrance (250 S Mangum St)																					1			Standard - 848.06
23004	7	US-15-BUS (S Mangum St)	DPAC performing arts center loading/back Entrance (250 S Mangum St)													1			1					1			Standard - 848.06
24696	7	US-15 BUS (S Mangum St)	Durham County Detention Facility (219 S Mangum St) On Street Handicap Parking Access											3										1			Standard - 848.06
23001	8	US-15-BUS (S Mangum St)	Vivian St											6										1			Type 2B - 848.06
23002	8	US-15-BUS (S Mangum St)	Vivian St											3					1					1			Standard - 848.06
7263	9	US-15-BUS (S Mangum St)	W Pettigrew St																	1				1			Type 2A Modified - 848.06
7264	9	US-15-BUS (S Mangum St)	E Pettigrew St											3										1			Type 5 - 848.06
7265	9	US-15 BUS (S Mangum St)	E Pettigrew St											6										1			Type 2A - 848.06
26156	9	US-15-BUS (S Mangum St)	E Pettigrew St							9				3	6										1		Type 5 - 848.06
-	-	-	-	32	10	1	-	-	63*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total for US 15 Bus From US 70 Bus To US 15 Bus				32	10	1	12	0	63	0	9	0	0	48	15	6	0	2	3	120	110	5	21	1	0		

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.; (2) Truncated domes installed for all new / repaired ramps are to be 'Federal Yellow'. (3) Curb ramp work done in areas with brick paver sidewalk are to be constructed with concrete. Brick pavers are to be removed only as necessary. Any existing brick outside of the limits of the work are to be neatly sawcut along the edge of the curb ramp and reset in order to tie flush with the work itself.; (4) * Contingency line item amount provided for adjustments outside of curb ramp paylimits.

ADA SUMMARY OF QUANTITIES - US 70 BUS FROM S BUCHANAN BLVD TO SR 1380

Municipality:	Durham
Project Number:	2025CPT.05.04.10321.1
County:	Durham

Sheet No.	33
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Ramp ID	Inset Map Number	Route 1	Route 2	4447000000-E (LF) Pedestrian Channelizing Devices	4600000000-N (EA) Generic Traffic Control Item - Pedestrian Transport Service (Per Trip)	4600000000-N (EA) Generic Traffic Control Item - Audible Warning Devices	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2535000000-E (LF) 8" X 12" Concrete Curb	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2738000000-E (SY) Remove and Reset Brick Pavers	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	4695000000-E (LF) 8" X 90 MIL White Thermo	4860000000-E (LF) 8" Line Removal	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps	Improvement Type			
3625	1	US-70 BUS (W Ramseur St)	W Chapel Hill St													3			1										Standard - 848.06
3626	1	US-70 BUS (W Ramseur St)	W Chapel Hill St													3			1										Standard - 848.06
3627	1	US-70 BUS (W Ramseur St)	SR-1127 (W Chapel Hill St)							6				6					1										Type 1A - 848.06
3628	1	US-70-BUS (S Great Jones St)	SR-1127 (W Chapel Hill St)																1										Type 2B - 848.06
3629	1	US-70 BUS (S Great Jones St)	W Chapel Hill St							4						3			1										Standard - 848.06
23052	1	US-70-BUS (S Great Jones St)	SR-1127 (W Chapel Hill St)																				1						Retrofit Warnings - 848.06
2594	2	US-70-BUS (W Main St)	US-70 BUS (S Great Jones St)													1													Type 2B - 848.06
2595	2	US-70-BUS (W Main St)	US-70 BUS (S Great Jones St)													1													Type 2B - 848.06
2596	2	US-70-BUS (W Main St)	SR-1380 (N Great Jones St)												3														Standard - 848.06
2598	2	US-70-BUS (W Main St)	SR-1380 (N Great Jones St)													3			1										Standard - 848.06
2599	2	US-70-BUS (W Main St)	US-70 BUS (S Great Jones St)													3			1										Standard - 848.06
2600	2	US-70-BUS (W Main St)	SR-1380 (N Great Jones St)													3				1		1							Standard - 848.06
2591	3	US-70 BUS (W Main St)	Durham History Museum (500 W Main St) Entrance																										Type 1 Modified - 848.06
2592	3	US-70-BUS (W Main St)	West End Billiards (601 W Main St) Back Entrance																										Type 1 - 848.06
2593	3	US-70-BUS (W Main St)	Durham History Museum (500 W Main St) Entrance											6															Type 2B - 848.06
2583	4	US-70 BUS (W Main St)	West Village (600 W Main St) Entrance													3													Standard - 848.06
2584	4	US-70 BUS (W Main St)	West Village (601 W Main St) Entrance													3													Standard - 848.06
2585	4	US-70 BUS (W Main St)	West Village (600 W Main St) Entrance																										Standard - 848.06
2586	4	US-70 BUS (W Main St)	West Village (601 W Main St) Entrance													2													Standard - 848.06
2587	4	US-70 BUS (W Main St)	West Village (600 W Main St) Entrance											3		1	1												Standard - 848.06
2588	4	US-70 BUS (W Main St)	West Village (601 W Main St) Entrance													3													Standard - 848.06
2577	5	US-70 BUS (W Main St)	Fuller St													3													Standard - 848.06
2578	5	US-70 BUS (W Main St)	Fuller St													3			1										Type 2B - 848.06
2579	5	US-70 BUS (W Main St)	Fuller St													3													Standard - 848.06
2580	5	US-70 BUS (W Main St)	Fuller St													3													Standard - 848.06
2581	5	US-70 BUS (W Main St)	Fuller St													3													Standard - 848.06
2582	5	US-70 BUS (W Main St)	Fuller St													3													Standard - 848.06
2570	6	US-70 BUS (W Main St)	SR-1445 (N Duke St)																										Type 4 - 848D0610
2571	6	US-70 BUS (W Main St)	SR-1445 (S Duke St)																1										Type 4C - 848D0610
2572	6	US-70 BUS (W Main St)	SR-1445 (S Duke St)																										Type 4C - 848D0610
2573	6	US-70 BUS (W Main St)	SR-1445 (N Duke St)																1										Type 4 - 848D0610
2574	6	US-70 BUS (W Main St)	SR-1445 (N Duke St)													2			1										Standard - 848.06
2575	6	US-70 BUS (W Main St)	SR-1445 (S Duke St)													2													Standard - 848.06
2576	6	US-70 BUS (W Main St)	SR-1445 (N Duke St)													2			1										Standard - 848.06
2564	7	US-70-BUS (W Main St)	SR-1327 (S Gregson St)							20																			Other
2565	7	US-70-BUS (W Main St)	SR-1327 (N Gregson St)															1											Type 5 - 848.06
2566	7	US-70-BUS (W Main St)	SR-1327 (N Gregson St)																										Type 5 - 848.06
2567	7	US-70-BUS (W Main St)	SR-1327 (S Gregson St)													2													Type 4A - 848D0610
2568	7	US-70-BUS (W Main St)	SR-1327 (N Gregson St)													2													Standard - 848.06
2569	7	US-70-BUS (W Main St)	SR-1327 (N Gregson St)													2				1									Standard - 848.06
26168	7	US-70-BUS (W Main St)	SR-1327 (S Gregson St)										10			6	2												Type 4A - 848D0610
2562	8	US-70-BUS (W Main St)	Albemarle St																										Type 4B - 848.06
2559	9	US-70 BUS (W Main St)	US-70 BUS (W Morgan St)																										Retrofit Warnings - 848.06
-	-	-	-	44	10	2	-	-	117*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total				44	10	2	0	0	117	30	10	0	0	18	6	64	2	12	2	0	0	2	39	1	0				

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.; (2) Truncated domes installed for all new / repaired ramps are to be 'Federal Yellow'. (3) Curb ramp work done in areas with brick paver sidewalk are to be constructed with concrete. Brick pavers are to be removed only as necessary. Any existing brick outside of the limits of the work are to be neatly sawcut along the edge of the curb ramp and reset in order to tie flush with the work itself.; (4) * Contingency line item amount provided for adjustments outside of curb ramp paylimits.

ADA SUMMARY OF QUANTITIES - US 70 BUS FROM SR 1380 TO US 70 BUS

Municipality:	Durham
Project Number:	2025CPT.05.04.10321.1
County:	Durham

Sheet No.	34
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Ramp ID	Inset Map Number	Route 1	Route 2	4447000000-E (LF) Pedestrian Channelizing Devices	4600000000-N (EA) Generic Traffic Control Item - Pedestrian Transport Service (Per Trip)	4600000000-N (EA) Generic Traffic Control Item - Audible Warning Devices	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2535000000-E (LF) 8" X 12" Concrete Curb	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2738000000-E (SY) Remove and Reset Brick Pavers	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	4695000000-E (LF) 8" X 90 MIL White Thermo	4860000000-E (LF) 8" Line Removal	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps	Improvement Type	
2557	1	US-70 BUS (W Morgan St)	Watts St										4			1							1				Type 1 Modified - 848.06
2558	1	US-70 BUS (W Morgan St)	Watts St																				1				Standard - 848.06
2560	1	US-70 BUS (W Morgan St)	Watts St																				1				Retrofit Warnings - 848.06
23056	2	US-70-BUS (W Morgan St)	Albemarle St																				1				Type 2A - 848.06
23059	2	US-70-BUS (W Morgan St)	Albemarle St					1															1				Type 2A Modified - 848.06
2436	3	US-70-BUS (W Morgan St)	SR-1327 (N Gregson St)											6					1				1				Type 2A - 848.06
2437	3	US-70 BUS (W Morgan St)	SR-1327 (N Gregson St)																				1				Type 2A - 848.06
2431	4	US-70 BUS (W Morgan St)	SR-1445 (N Duke St)																				1				Type 2A Modified - 848.06
2432	4	US-70-BUS (W Morgan St)	SR-1445 (N Duke St)																				1				Type 2A - 848.06
2433	4	US-70-BUS (W Morgan St)	SR-1445 (N Duke St)																						1		Remove Ramp
2434	4	US-70-BUS (W Morgan St)	SR-1445 (N Duke St)																				1				Type 3 Modified - 848D0609
2435	4	US-70-BUS (W Morgan St)	SR-1445 (N Duke St)							10					6			1	2				1		1		Type 2A - 848.06
23063	5	US-70-BUS (W Morgan St)	Fuller St																				1				Type 2 - 848.06
23064	5	US-70-BUS (W Morgan St)	Fuller St																				1				Type 2 - 848.06
23065	5	US-70-BUS (W Morgan St)	Fuller St																				1				Type 2A - 848.06
23066	5	US-70-BUS (W Morgan St)	Fuller St											6			1						1				Type 2A - 848.06
23061	6	US-70-BUS (W Morgan St)	West Village Courtyard (605 W Morgan St) Entrance																				1				Type 1 Modified - 848.06
23062	6	US-70-BUS (W Morgan St)	West Village Courtyard (605 W Morgan St) Entrance											6									1				Type 1C - 848.06
23067	7	US-70-BUS (W Morgan St)	West Village pull-through (605 W Morgan St) Entrance																				1				Retrofit Warnings - 848.06
23068	7	US-70-BUS (W Morgan St)	West Village pull-through (605 W Morgan St) Entrance																				1				Retrofit Warnings - 848.06
23084	8	US-70-BUS (W Morgan St)	West Village Parking lot (599 W. Morgan St) Entrance											3									1				Type 1C - 848.06
23085	8	US-70-BUS (W Morgan St)	West Village Parking lot (599 W. Morgan St) Entrance											3									1				Type 1C - 848.06
23069	9	US-70-BUS (W Morgan St)	Museum of Durham History (500 W Main St) Crosswalk																				1				Standard - 848.06
23070	9	US-70-BUS (W Morgan St)	Museum of Durham History (500 W. Main St) North Entrance											9					1				1				Standard - 848.06
23071	9	US-70-BUS (W Morgan St)	Museum of Durham History (500 W. Main St) North Entrance																1				1				Standard - 848.06
23072	9	US-70-BUS (W Morgan St)	Museum of Durham History (500 W. Main St) Parking lot Entrance																2				1				Standard - 848.06
23083	9	US-70-BUS (W Morgan St)	Museum of Durham History (500 W Main St) Crosswalk																				1				Type 2 - 848.06
23073	10	US-70-BUS (W Morgan St)	Museum of Durham History (500 W. Main St) North Entrance												3								1				Type 1 Modified - 848.06
23074	10	US-70-BUS (W Morgan St)	SR-1380 (N Great Jones St)																				1				Type 1 Modified - 848.06
23075	10	US-70-BUS (W Morgan St)	SR-1380 (N Great Jones St)																				1				Type 1 Modified - 848.06
23076	10	SR-1380 (N Great Jones St)	US-70-BUS (W Morgan St)												6								1				Type 1A - 848.06
7251	11	US-70-BUS (W Morgan St)	Morris St																2				1				Standard - 848.06
7252	11	US-70-BUS (W Morgan St)	Morris St						2		2		2										1				Standard - 848.06
7254	11	US-70-BUS (W Morgan St)	Morris St																				1				Standard - 848.06
-	-	-	-	36	10	1	-	-	87*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total for US 70 Bus From SR 1380 To US 70 Bus				36	10	1	0	1	89	0	12	0	6	39	14	1	1	6	4	0	0	3	29	1	1		

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.; (2) Truncated domes installed for all new / repaired ramps are to be 'Federal Yellow'. (3) Curb ramp work done in areas with brick paver sidewalk are to be constructed with concrete. Brick pavers are to be removed only as necessary. Any existing brick outside of the limits of the work are to be neatly sawcut along the edge of the curb ramp and reset in order to tie flush with the work itself.; (4) * Contingency line item amount provided for adjustments outside of curb ramp paylimits.

ADA SUMMARY OF QUANTITIES - STERLING DR. FROM SR 1449 TO CUL-DE-SAC

Municipality:	Durham
Project Number:	2025CPT.05.04.20321.1
County:	Durham

Sheet No.	35
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Ramp ID	Inset Map Number	Route 1	Route 2	4447000000-E (LF) Pedestrian Channelizing Devices	4600000000-N (EA) Generic Traffic Control Item - Pedestrian Transport Service (Per Trip)	4600000000-N (EA) Generic Traffic Control Item - Audible Warning Devices	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2535000000-E (LF) 8" X 12" Concrete Curb	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2738000000-E (SY) Remove and Reset Brick Pavers	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	4695000000-E (LF) 8" X 90 MIL White Thermo	4860000000-E (LF) 8" Line Removal	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps	Improvement Type		
25981	1	SR-1449 (Umstead Rd)	SR-1549 (Sterling Dr)																			1						Retrofit Warnings - 848.06
25982	1	SR-1449 (Umstead Rd)	SR-1549 (Sterling Dr)																			1						Retrofit Warnings - 848.06
-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0	0	0		
Sub-Total for Sterling Dr. From SR 1449 To Cul-de-sac				8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0			

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.; (2) Truncated domes installed for all new / repaired ramps are to be 'Federal Yellow'. (3) Curb ramp work done in areas with brick paver sidewalk are to be constructed with concrete. Brick pavers are to be removed only as necessary. Any existing brick outside of the limits of the work are to be neatly sawcut along the edge of the curb ramp and reset in order to tie flush with the work itself.

ADA SUMMARY OF QUANTITIES - CARPENTER POND RD. FROM WAKE COUNTY TO SR 1906

Municipality:	Outside Municipality
Project Number:	2025CPT.05.04.20321.1
County:	Durham

Sheet No.	36
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Ramp ID	Inset Map Number	Route 1	Route 2	4447000000-E (LF) Pedestrian Channelizing Devices	4600000000-N (EA) Generic Traffic Control Item - Pedestrian Transport Service (Per Trip)	4600000000-N (EA) Generic Traffic Control Item - Audible Warning Devices	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2535000000-E (LF) 8" X 12" Concrete Curb	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2738000000-E (SY) Remove and Reset Brick Pavers	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	4695000000-E (LF) 8" X 90 MIL White Thermo	4860000000-E (LF) 8" Line Removal	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps	Improvement Type			
25979	1	SR-1901 (Carpenter Pond Rd)	Astor Hill Dr						15																			1	Remove Ramp
25980	1	SR-1901 (Carpenter Pond Rd)	Astor Hill Dr						3*															1					Standard - 848.06
Sub-Total for Carpenter Pond Rd. From Wake County To SR 1906				4	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1			

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.; (2) Truncated domes installed for all new / repaired ramps are to be 'Federal Yellow'. (3) Curb ramp work done in areas with brick paver sidewalk are to be constructed with concrete. Brick pavers are to be removed only as necessary. Any existing brick outside of the limits of the work are to be neatly sawcut along the edge of the curb ramp and reset in order to tie flush with the work itself.

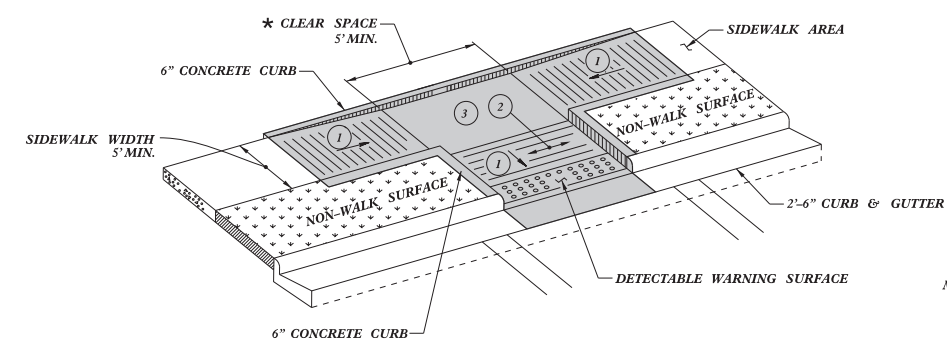
ADA SUMMARY OF QUANTITIES - TOTALS

Project Number:	2025CPT.05.04.10321.1
County:	Durham

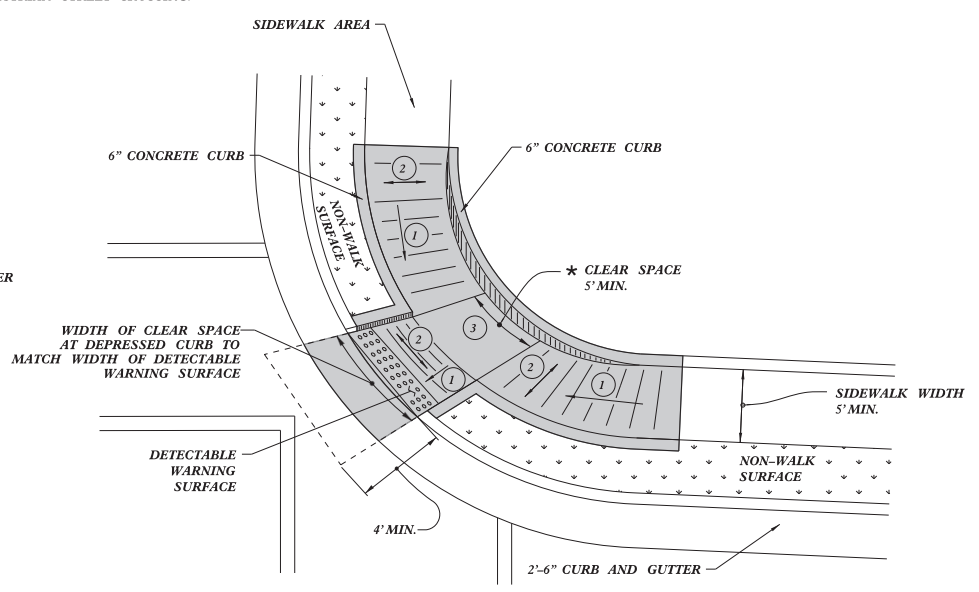
Sheet No.	37
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Project Number	County	Municipality	Resurfacing Route	4447000000-E (LF) Pedestrian Channelizing Devices	4600000000-N (EA) Generic Traffic Control Item - Pedestrian Transport Service (Per Trip)	4660000000-N (EA) Generic Traffic Control Item - Audible Warning Devices	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove and Replace Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2535000000-E (LF) 8" X 12" Concrete Curb	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2738000000-E (SY) Remove and Reset Brick Pavers	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Sign Erection, relocate Type E (Ground Mounted)	4695000000-E (LF) 8" X 90 MIL White Thermo	4860000000-E (LF) 8" Line Removal	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) Remove Curb Ramps
2025CPT.05.04.10321.1	Durham	Durham	US 15 Bus From E Forest Hills Blvd To E Main St	60	10	2	0	0	188	18	3	15	12	49	13	3	0	2	0	120	120	4	46	3	3
2025CPT.05.04.10321.1	Durham	Durham	US 15 Bus From US 70 Bus To US 15 Bus	32	10	1	12	0	63	0	9	0	0	48	15	6	0	2	3	120	110	5	21	1	0
2025CPT.05.04.10321.1	Durham	Durham	US 70 Bus From S Buchanan Blvd To SR 1380	44	10	2	0	0	117	30	10	0	0	18	6	64	2	12	2	0	0	2	39	1	0
2025CPT.05.04.10321.1	Durham	Durham	US 70 Bus From SR 1380 To US 70 Bus	36	10	1	0	1	89	0	12	0	6	39	14	1	1	6	4	0	0	3	29	1	1
2025CPT.05.04.20321.1	Durham	Durham	Sterling Dr. From SR 1449 To Cul-de-sac	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
2025CPT.05.04.20321.1	Durham	Outside Municipality	Carpenter Pond Rd. From Wake County To SR 1906	4	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
GRAND TOTAL				184	40	6	12	1	475	48	34	15	18	154	48	74	3	22	9	240	230	16	136	6	5

* - WHERE CLEAR SPACE IS CONSTRAINED ON TWO OR MORE SIDES, THE CLEAR SPACE SHALL BE 4' MINIMUM X 5' MINIMUM, WITH 5' PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.

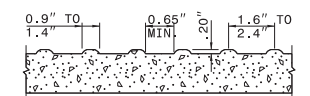
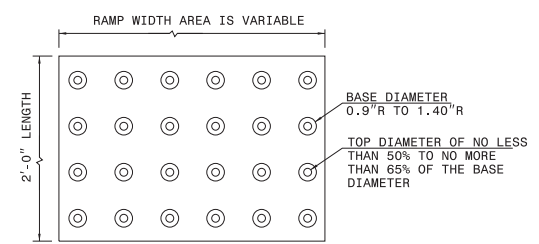


TYPE 3



**TYPE 3 MODIFIED
INSTALLATION IN A RADIUS**

NOTES:
 1. DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
 2. DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



DETECTABLE WARNING SURFACE

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%

PAY LIMITS FOR 1 CURB RAMP

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.
 ROADWAY STANDARD DRAWING FOR
CURB RAMP
 PARALLEL RAMP
 SHEET 9 OF 13
848D06



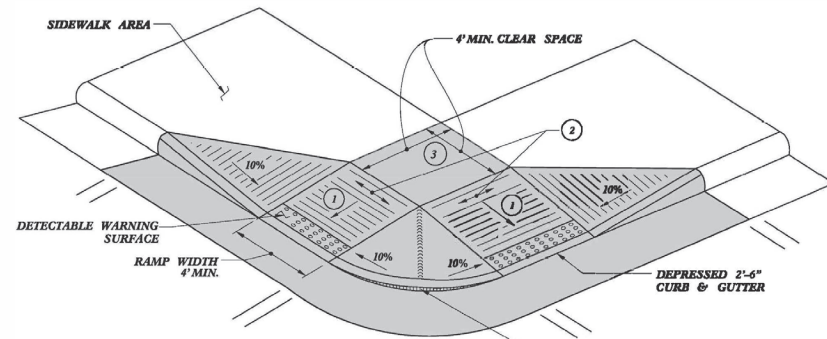
Signed by:
Nicole M. Hackler
 5884323D34164C5...
 10/10/2024

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

**CONTRACTS STANDARDS
 AND DEVELOPMENT UNIT**
 Office 919-707-6950 FAX 919-250-4119

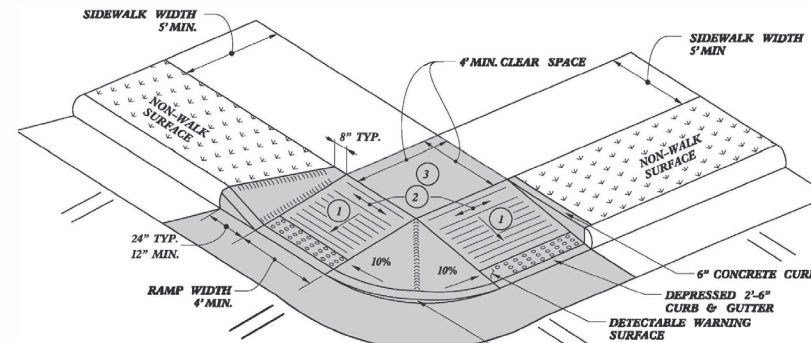
SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN DATE: 12-22-2023
 MODIFIED BY: DATE:
 CHECKED BY: DATE:
 FILE SPEC.: special_details\nmhackler\0609.dgn



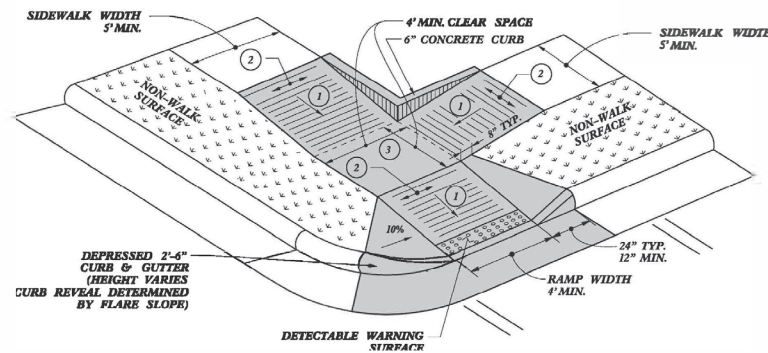
TYPE 4

DEPRESSIBLE 2'-6" CURB & GUTTER (HEIGHT VARIES BY FLARE SLOPE)



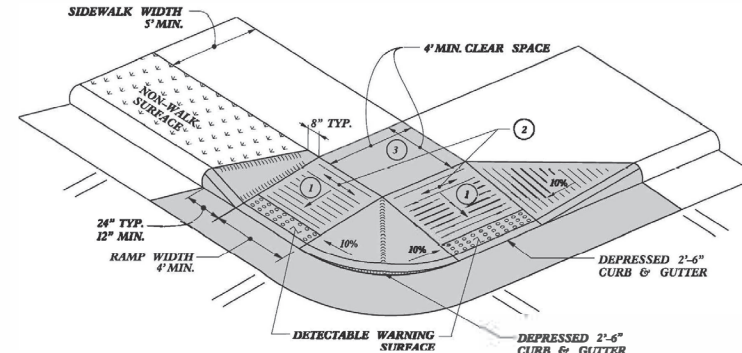
TYPE 4A

DEPRESSIBLE 2'-6" CURB & GUTTER (HEIGHT VARIES BY FLARE SLOPE)



TYPE 4B

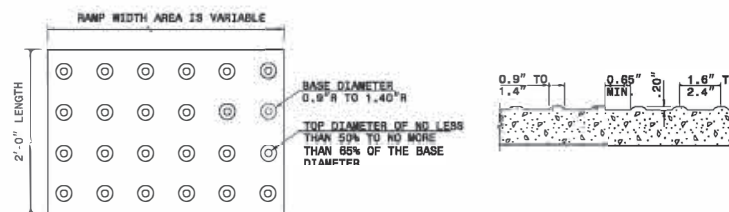
DEPRESSIBLE 2'-6" CURB & GUTTER (HEIGHT VARIES BY FLARE SLOPE)



TYPE 4C

DEPRESSIBLE 2'-6" CURB & GUTTER (HEIGHT VARIES BY FLARE SLOPE)

NOTES:
 1. DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
 2. DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



DETECTABLE WARNING SURFACE

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%

PAY LIMITS FOR 1 OR 2 CURB RAMPS (CALCULATE BASED ON NUMBER OF SETS OF DETECTABLE WARNING SURFACES)

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.
 ROADWAY STANDARD DRAWING FOR
CURB RAMP
 SHARED LANDING
 SHEET 10 OF 13
848D06



Signed by:
Nicole M. Hackler
 5884323D34164C5
 10/10/2024

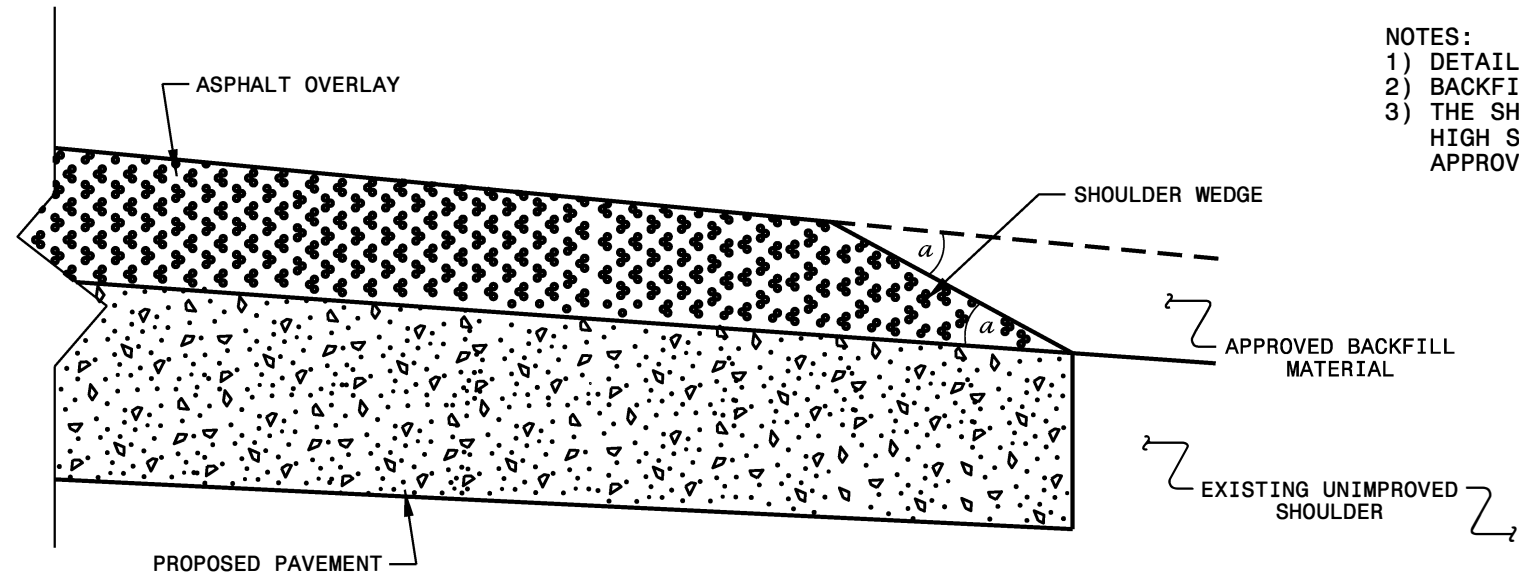
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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 Office 919-707-6950 FAX 919-250-4119

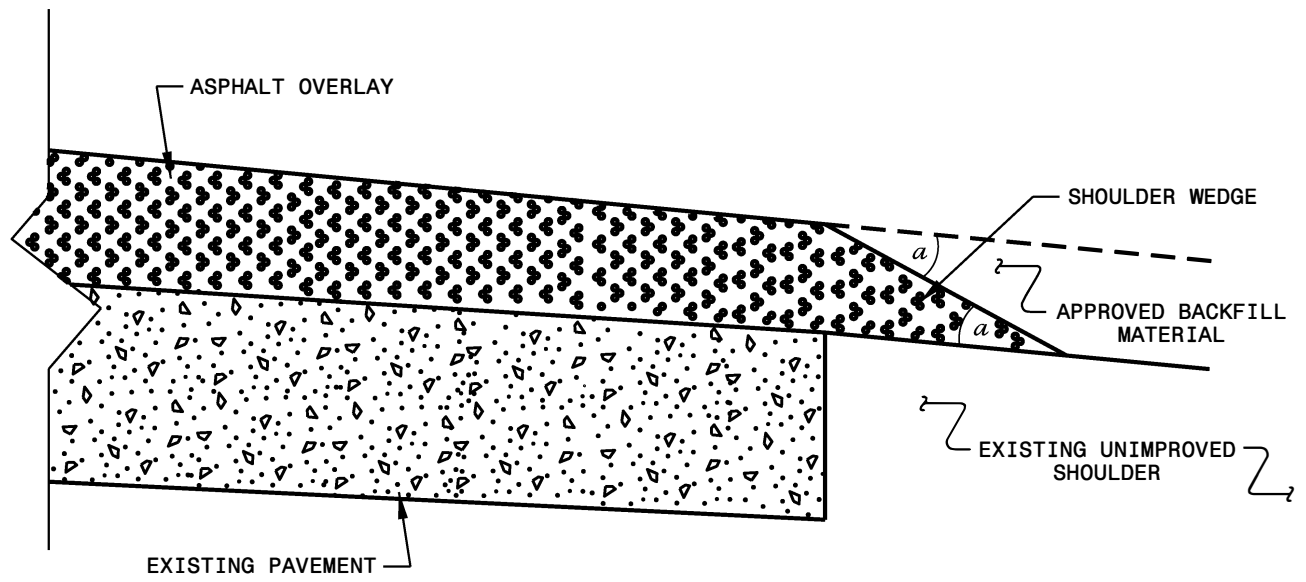
SEE TITLE BLOCK

ORIGINAL BY: S. CALHOUN DATE: 12-22-2023
 MODIFIED BY: DATE:
 CHECKED BY: DATE:
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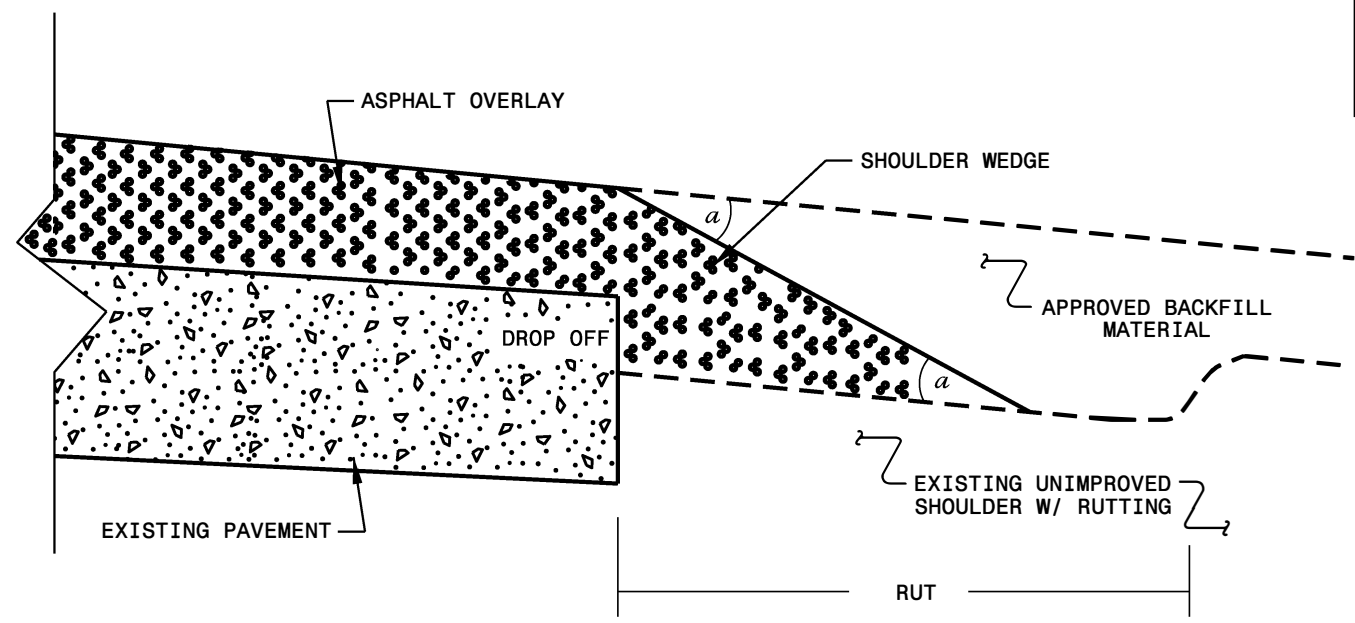
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)

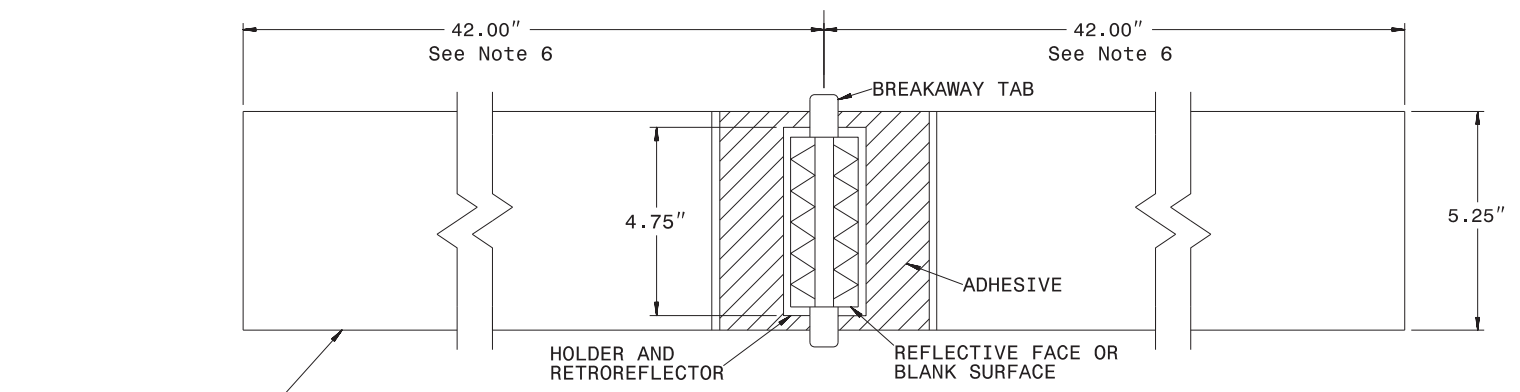


SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to Rutted Shoulder)

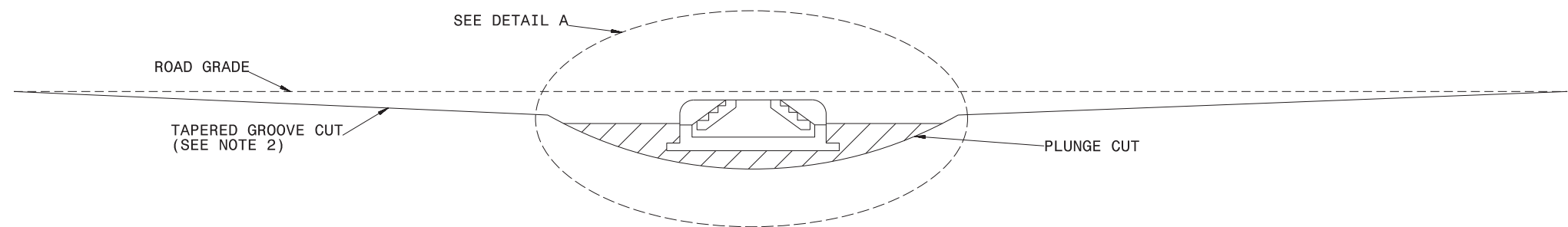
- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
SHOULDER WEDGE DETAILS	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 2/2/16
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn	

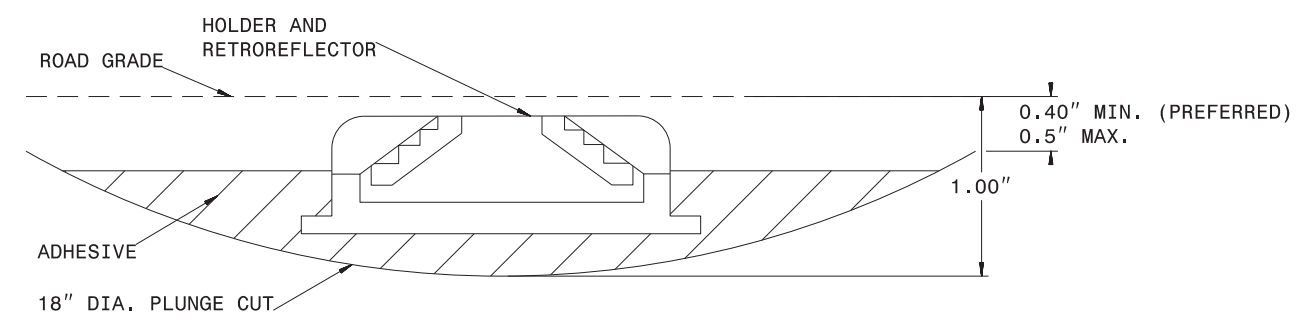
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 P:\piper\an\USD\2018\



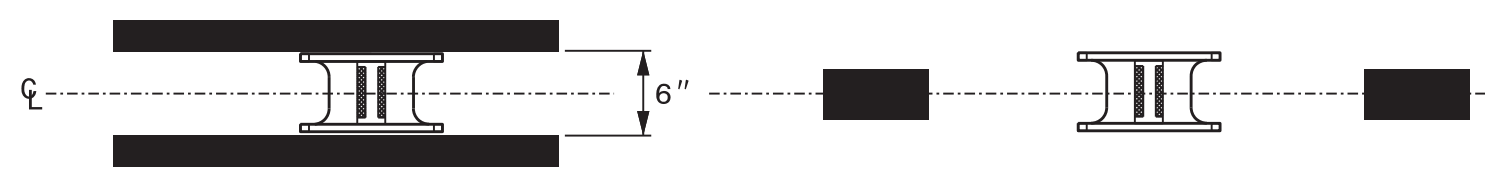
PLAN VIEW - TANGENT SECTIONS



PROFILE VIEW



DETAIL A



MARKER SPACING

NOTES:

1. ALL GROOVE EDGES SHALL BE AT LEAST 2 INCHES FROM ANY SEAM OR PAVEMENT JOINT
2. GROOVE CUTS MAY BE TAPERED OR BEVELED. TAPERED CUTS SHALL START AT ROAD LEVEL ON EACH END AND TAPER AT A FIXED RATE AS SHOWN ON THE PROFILE VIEW. BEVELED GROOVE CUTS SHALL BE 0.5" MAXIMUM DEPTH (0.4" PREFERRED), AND SHALL BE 0.4" MINIMUM DEPTH AT BOTH ENDS OF THE PLUNGE CUT.
3. GROOVE AND PLUNGE CUT SHALL BE CLEAN AND DRY PRIOR TO PLACEMENT OF ADHESIVE.
4. THE EPOXY ADHESIVE SHALL BE THOROUGHLY MIXED UNTIL IT IS UNIFORM IN COLOR, AND APPLIED IN COLOR, AND APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. MARKER SHALL BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH THE BREAKWAY TABS RESTING ON THE PAVEMENT SURFACE. THE EPOXY SHALL BE FILLED TO THE LEVEL OF THE TOP OF THE MARKER HOLDER. EPOXY SHALL NOT TOUCH THE RETROREFLECTOR.
6. TOTAL GROOVE LENGTH MAY BE SHORTENED TO 54" ON SHARP CURVES IF APPROVED BY THE ENGINEER. GROOVES SHALL NOT OVERLAP WITH LOOP DETECTOR WIRES.



DocuSigned by:
Renee B. Roach, PE
3EB4360BD316431...

10/10/2024

CONTRACTS STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-8950 FAX 919-250-4119	
DETAIL OF INLAID CRADLE MARKER	
ORIGINAL BY: <u>rgwatson</u>	DATE: <u>02-06-2024</u>
MODIFIED BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
FILE SPEC.: _____	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH		4413000000-E WORK ZONE ADVANCE/GENERA L WARNING SIGNING SF	4447000000-E PEDESTRIAN CHANNELIZING DE- VICES LF	4457000000-N TEMPORARY TRAFFIC CONTROL LS	4510000000-N LAW ENFORCEMENT HR	4685000000-E 4" X 90 M WHITE THERMO LF		4695000000-E 8" X 90 M WHITE THERMO LF		4700000000-E 12" X 90 M WHITE THERMO LF	4709000000-E 24" X 90 M WHITE THERMO LF	4720000000-E			4725000000-E								4770000000-E		4850000000-E 4" LINE REMOVAL LF	4860000000-E 8" LINE REMOVAL LF	4895000000-N INLAND CRADLE MARKERS EA						
						MI	FT					LF	LF	LF	LF			EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA				EA	EA	EA	EA	EA	EA
2025CPT.05.04.10321.1	Durham	1	US-15 BUS S / S MANGUM ST	FROM US 70 BUS TO US 15 BUS	1	0.487	45	55	32		240	6,750		943		82	465	4			2	6	13	2										582			110	106	
		2	US-15 BUS N / UNIVERSITY DR/W LAKEWOOD AVE/E LAKEWOOD AVE/S ROXBORO ST/N ROXBORO ST	FROM E FOREST HILLS BLVD TO E MAIN ST	1	0.794	29	89	60		320	13,286	4,413	950				531				9	1	8	4	6											120	237	
		3	US-70 BUS W / W MORGAN ST	FROM SR 1380 TO US 70 BUS	1	0.472	28	53	36		120	1,490	5,318	960	126			741	4	12		6	2	1		1	1	3										66	
		4	US-70 BUS E / W MAIN ST/W RAMSEUR ST/S GREAT JONES ST	FROM S BUCHANAN BLVD TO SR 1380	1	0.547	48	61	44		200	4,891	5,652	1,040				498				8	3	7		1		3	1										89
TOTAL FOR PROJ NO. 2025CPT.05.04.10321.1						2.300		258	172	*	880	26,417	15,383	3,893	126	82	2,235	8	12			25	12	29	6	8	1	6	1		582				230	498			
												41,800		4,019					20			88						582											
2025CPT.05.04.20321.1	Durham	5	SR-1616 / BAHAMA RD	FROM US 501 TO SR 1607	2	3.504	20	392					37,916	36,688																				1,336	1,336	2,672		239	
		6	SR-1607 / BAHAMA RD	FROM SR 1616 TO PERSON COUNTY	2	4.625	21	518					48,844	47,011																								302	
		7	SR-2426 / WENTZ DR	FROM SR 1807 TO END MAINTENANCE	3	0.32	18	36																															
		8	SR-2427 / WAYWARD DR	FROM SR 2426 TO END MAINTENANCE	3	0.129	18	14																															
		9	SR-1912 / BROACH RD	FROM SR 1911 TO SR 2006	2	0.299	20	33																															
		10	SR-1912 / BROACH RD/PENNOCK RD	FROM SR 2006 TO HIGH FOX DR	2	0.542	18	61																															
		11	SR-2006 / BROACH RD	FROM SR 2091 TO DEAD END	2	0.154	20	17																															
		12	SR-2086 / MOCKINGBIRD LN	FROM BEGIN MAINTENANCE TO DEAD END	2	0.398	18	45																															
		13	SR-2142 / OAKVIEW ST	FROM SR 1912 TO END MAINTENANCE	2	0.212	18	24																															
		14	SR-2091 / PENNOCK RD	SR 1912 TO END MAINTENANCE	2	0.096	18	11																															
		15	SR-2089 / PANORAMIC DR	FROM SR 1906 TO DEAD END	2	0.303	20	34																															
		16	SR-2092 / SUMMER ROSE LN	FROM SR 2089 TO DEAD END	2	0.186	20	21																															
		17	SR-1549 / STERLING DR	FROM SR 1449 TO CUL-DE-SAC	4	0.649	20	73	8																														
		18	SR-1901 / CARPENTER POND RD	FROM WAKE COUNTY TO SR 1906	2	4.462	20	500	4					48,694	47,302			40				32	20	1	1													363	
TOTAL FOR PROJ NO. 2025CPT.05.04.20321.1						15.879		1,779	12	*		135,454	131,001			40				32	20	1	1									1,336	1,336	2,672		904			
												266,455							52			2						2,672											

PROJECT NO. 2025CPT.05.04.10321.1.ETC	SHEET NO. 45	TOTAL NO.
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THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH		WIDTH		4413000000-E	4447000000-E	4457000000-N	4510000000-N	4685000000-E	4695000000-E	4700000000-E	4709000000-E	4720000000-E				4725000000-E								4770000000-E	4850000000-E	4860000000-E	4895000000-N				
						MI	FT	SF	LF	LS	HR	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
						MI	FT	SF	LF	LS	HR	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
		19	SR-2051 / GRIMES AVE	FROM SR 1815 TO END MAINTENANCE	5	0.243	20	27																													
		20	SR-1882 / FIESTA RD	FROM SR 1815 TO SR 1883	5	0.084	20	9																													
		21	SR-1892 / CONVERSE RD	FROM SR 1883 TO DEAD END	5	0.129	18	14																													
		22	SR-1883 / PENROD RD	FROM SR 1813 TO SR 1882	5	0.185	20	21																													
		23	SR-1868 / BROUGHTON DR	FROM SR 1670 TO SR 2539	5	0.194	20	22																													
		24	SR-2539 / BROUGHTON DR	FROM SR 1868 TO END PAVEMENT	5	0.055	20	6																													
		25	SR-1849 / LOFTIN DR	FROM SR 1800 TO SR 1815	5	0.154	20	0																													
		26	SR-1887 / GLENDA RD	FROM SR 1637 TO END MAINTENANCE	5	0.223	20	25																													
		27	SR-1820 / BECK RD	FROM SR 1670 TO SR 1819	5	0.357	20	40																											24		
		28	SR-1708 / RIVERSIDE DR	FROM SR 1004 TO END MAINT	5	0.097	20	11																													
		29	SR-1751 / IRON GATE DR	FROM SR 1628 TO DEAD END	5	0.329	20	37																													
		30	SR-1798 / CROSS CREEK RD	FROM SR 1751 TO SR 1799	5	0.066	20	7																													
		31	SR-1799 / BARBOURS CREEK RD	FROM SR 1798 TO SR 2600	5	0.169	20	19																													
		32	SR-2600 / BENT CREEK RD	FROM SR 2601 TO CUL DE SAC	5	0.15	20	17																													
		33	SR-2601 / CHANTILLY PL	FROM SR 2600 TO CUL-DE- SAC	5	0.08	20	9																													
		34	SR-1473 / CHAMBERS RD	FROM SR 1470 TO SR 1471	5	0.833	20	93																											55		
		35	SR-1474 / CHAMBERS RD	FROM SR 1471 TO US 501	5	1.04	20	116																											69		
TOTAL FOR PROJ NO. 2025CPT.05.04.20322.1							4.388		473					23,652	21,772																				148		
														45,424																							
GRAND TOTAL							22.567		2,510	184	1.00	880	185,523	168,156	3,893	126	82	2,275	8	12	32	20	26	13	29	6	8	1	6	1	1,918	1,336	2,672	230	1,550		
														353,679	4,019					72					90					3,254							