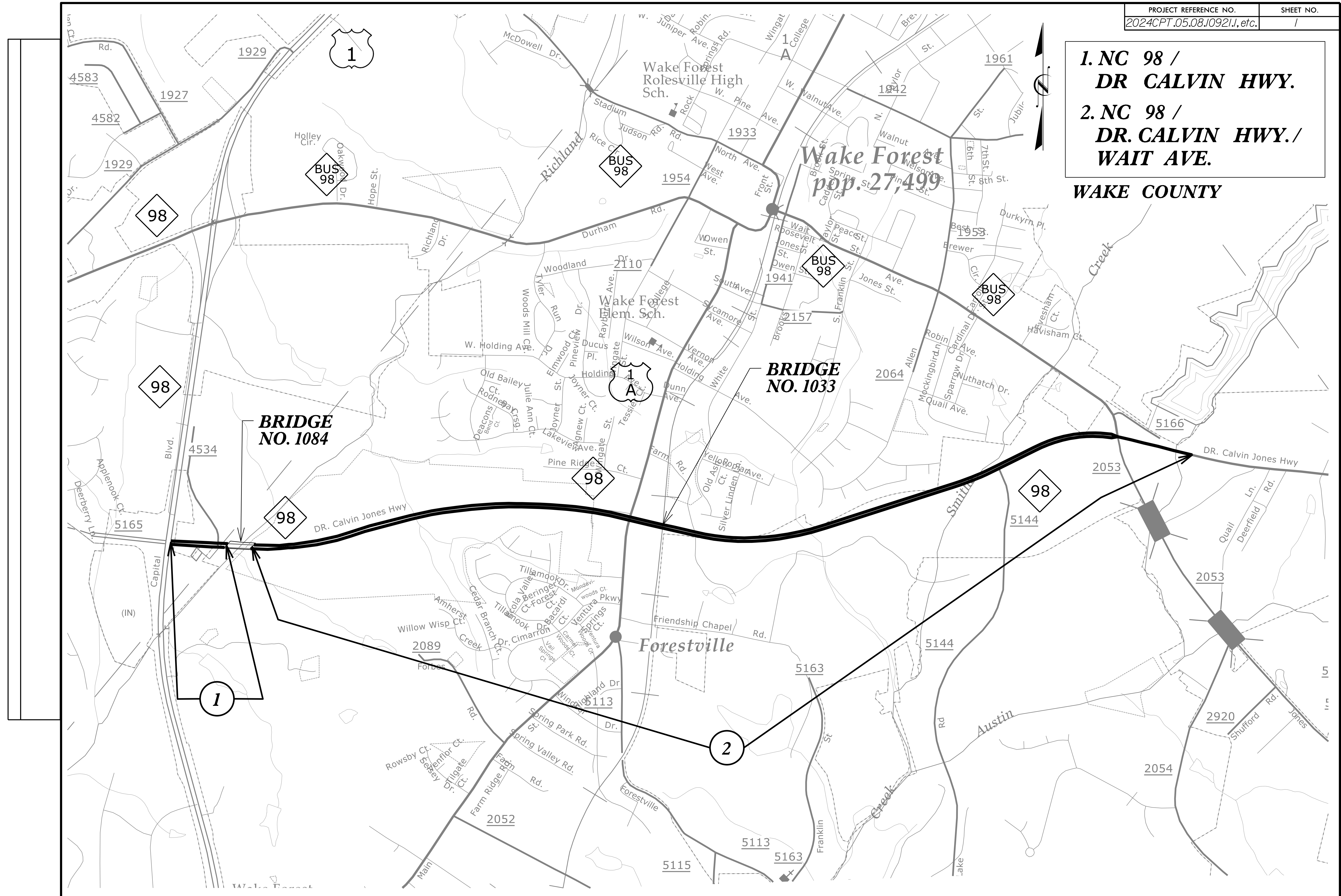


**1. NC 98 /
DR CALVIN HWY.**

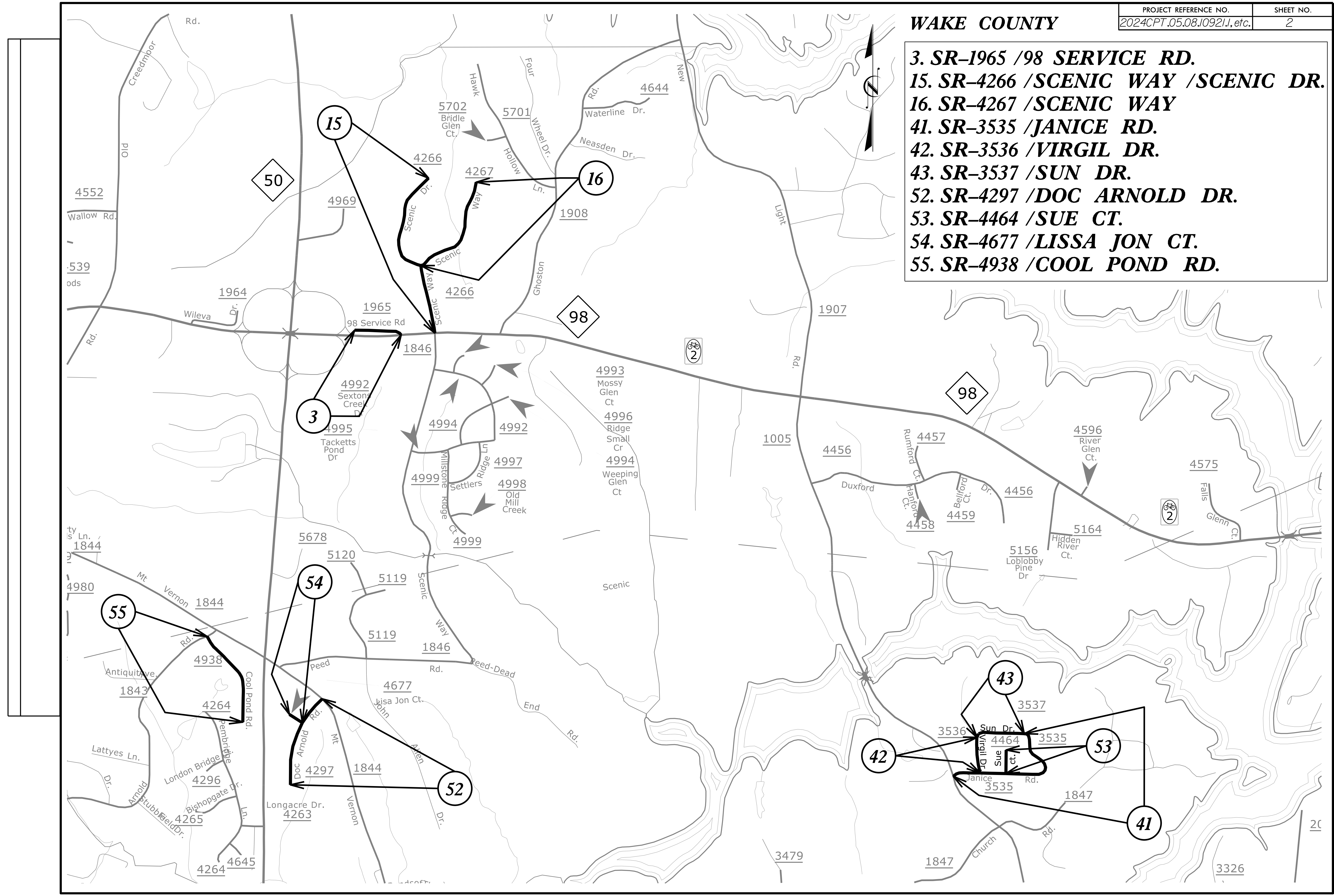
**2. NC 98 /
DR. CALVIN HWY. /
WAIT AVE.**

WAKE COUNTY



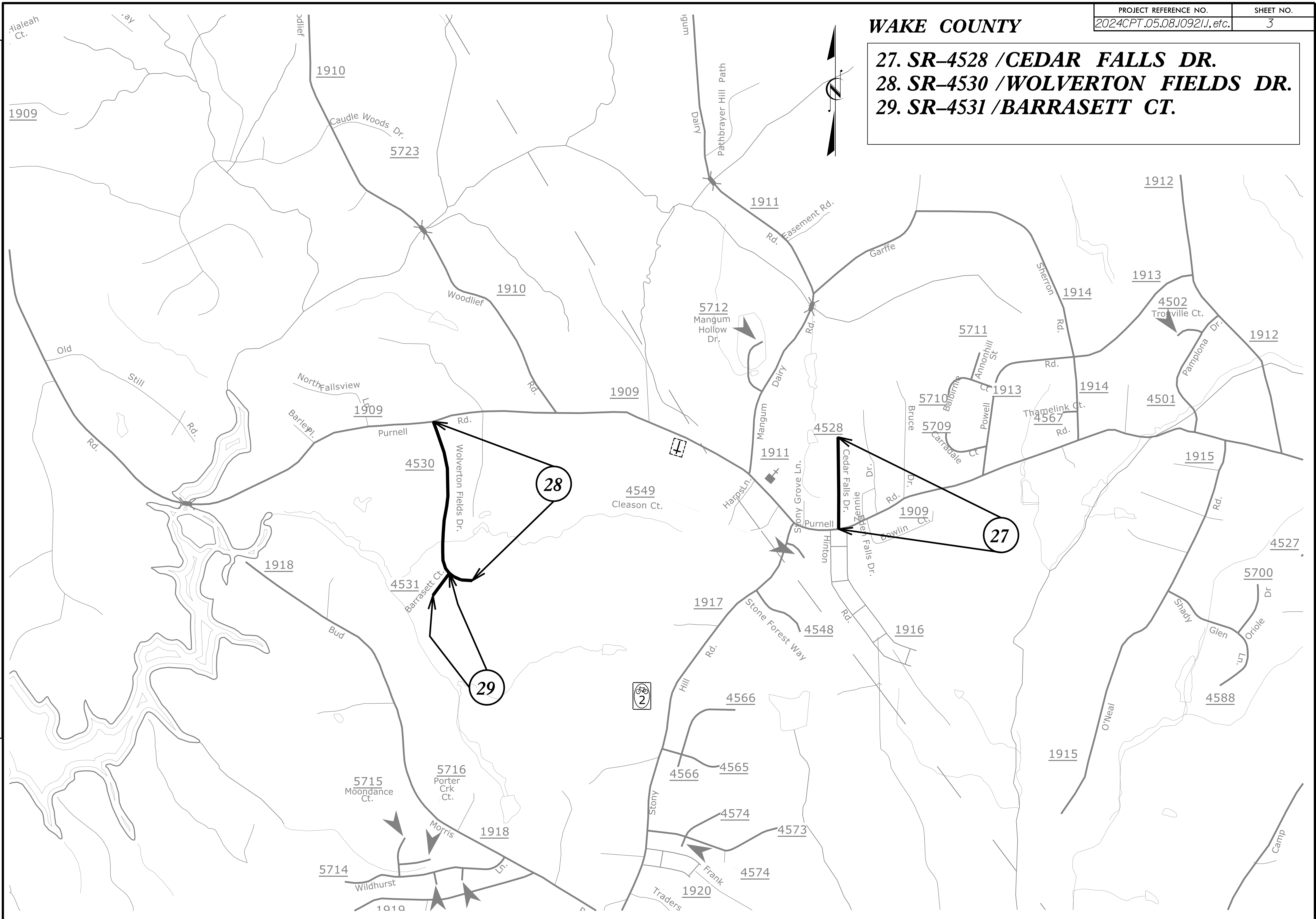
WAKE COUNTY

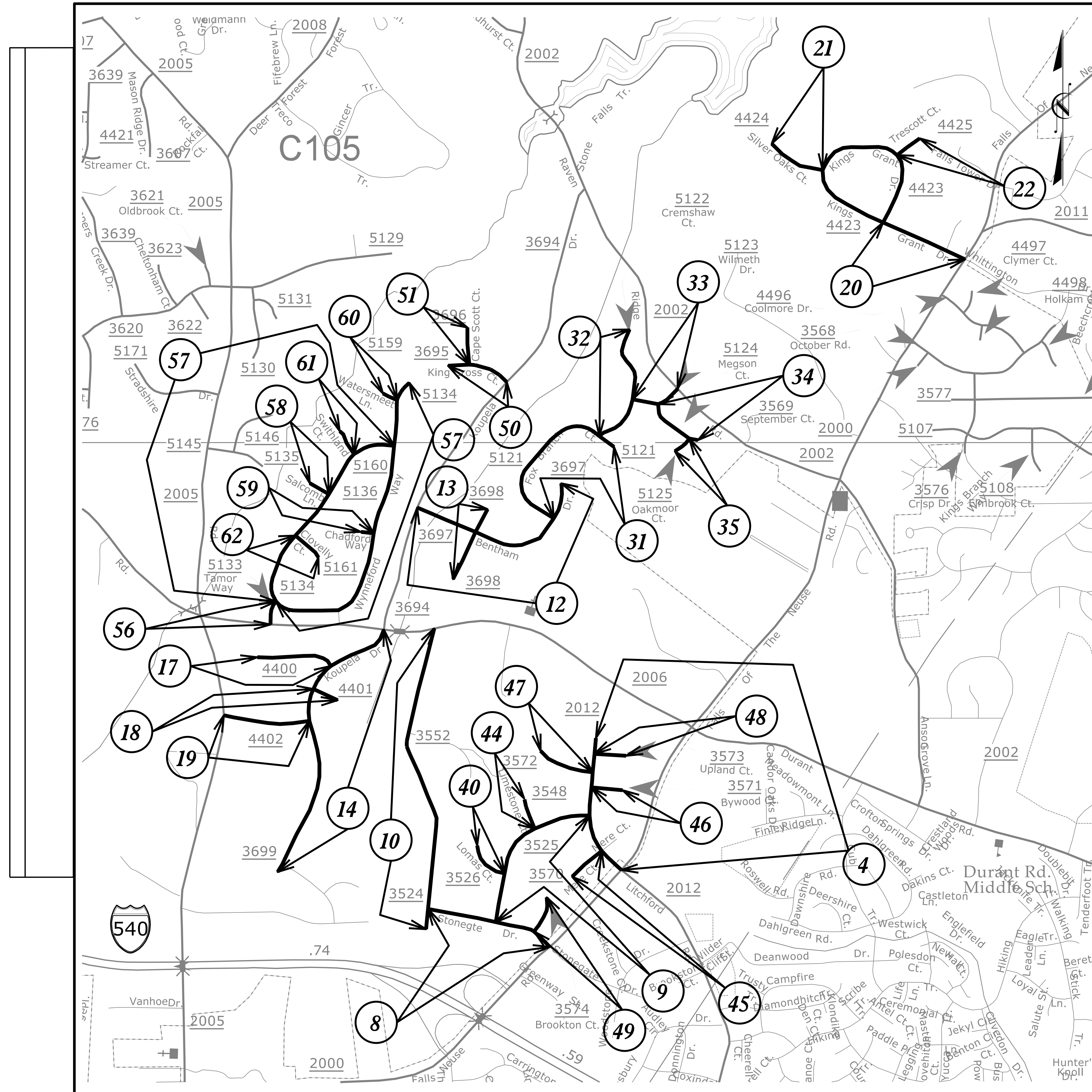
- 3. SR-1965 /98 SERVICE RD.**
- 15. SR-4266 /SCENIC WAY /SCENIC DR.**
- 16. SR-4267 /SCENIC WAY**
- 41. SR-3535 /JANICE RD.**
- 42. SR-3536 /VIRGIL DR.**
- 43. SR-3537 /SUN DR.**
- 52. SR-4297 /DOC ARNOLD DR.**
- 53. SR-4464 /SUE CT.**
- 54. SR-4677 /LISSA JON CT.**
- 55. SR-4938 /COOL POND RD.**



WAKE COUNTY

27. SR-4528 / CEDAR FALLS DR.
28. SR-4530 / WOLVERTON FIELDS DR.
29. SR-4531 / BARRASETT CT.

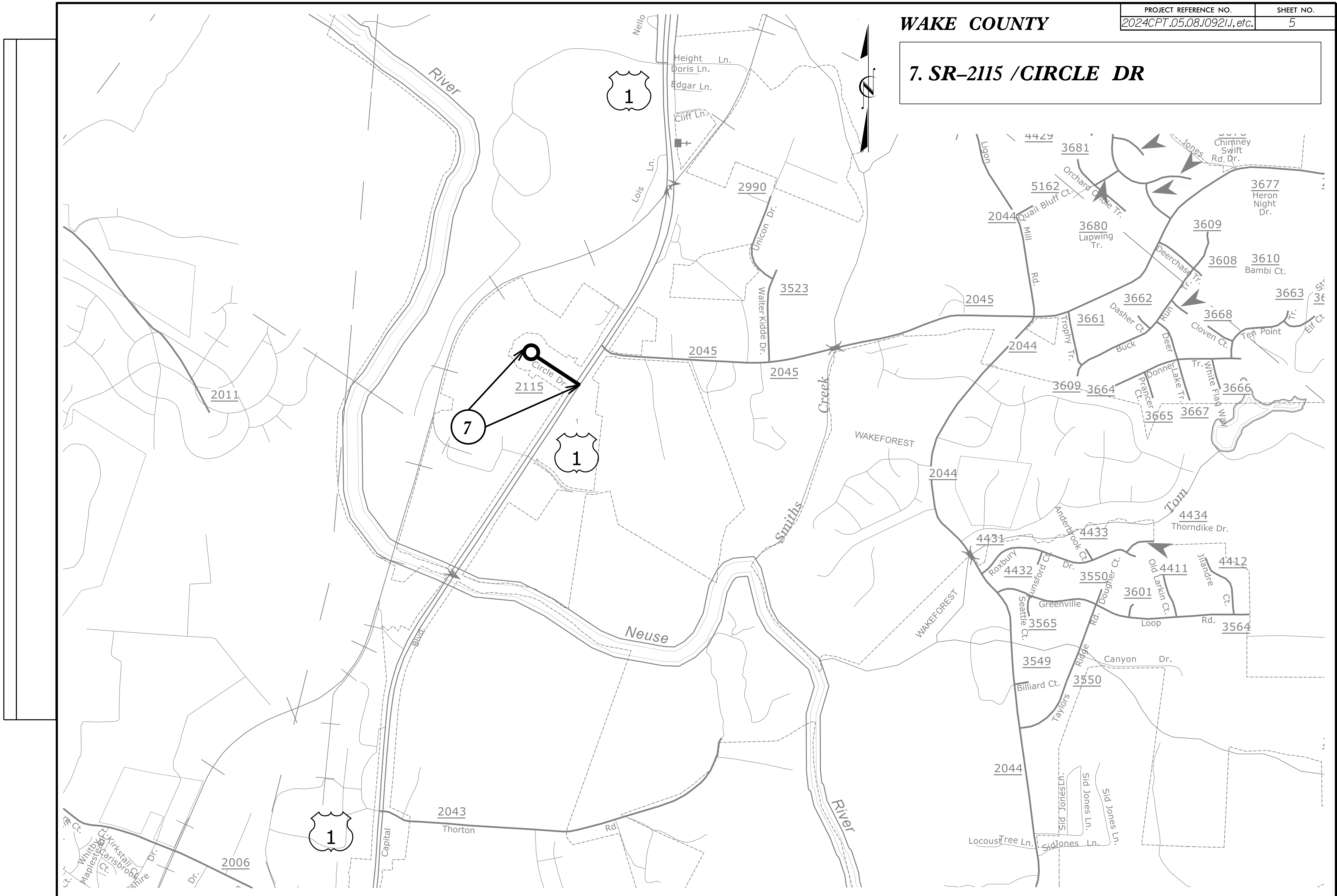




- 4. SR-2012 / LITCHFORD RD.
- 9. SR-3525 / GREENFIELD DR
- 8. SR-3524 / STONEGATE DR
- 10. SR-3552 / BARTONS CREEK RD
- 12. SR-3697 / BENTHAM DR.
- 13. SR-3698 / PENTLAND CT.
- 14. SR-3699 / KOUPELA DR
- 17. SR-4400 / PAUMIER CT
- 18. SR-4401 / MILVANEY CT
- 19. SR-4402 / LONIKER DR
- 20. SR-4423 / KINGS GRANT DR.
- 21. SR-4424 / SILVER OAKS CT.
- 22. SR-4425 / TRECSCOTT CT.
- 31. SR-5121 / FOX BRANCH CT.
- 32. SR-5122 / CREMSHAW CT.
- 33. SR-5123 / WILMETH DR.
- 34. SR-5124 / MEGSON CT.
- 35. SR-5125 / OAKMOOR CT
- 40. SR-3526 / LOMAS CT
- 44. SR-3548 / LIMESTONE CT
- 45. SR-3570 / S MERE CT.
- 46. SR-3571 / BYWOOD CT.
- 47. SR-3572 / TOPSFIELD CT.
- 48. SR-3573 / UPLAND CT.
- 49. SR-3574 / BROOKTON CT
- 50. SR-3695 / KING CROSS CT.
- 51. SR-3696 / CAPE SCOTT CT.
- 56. SR-5133 / TAMOR WAY
- 57. SR-5134 / WYNNEFORD WAY
- 58. SR-5135 / SALCOMB LN
- 59. SR-5136 / CHAGFORD WAY
- 60. SR-5159 / WATERSMEET LN
- 61. SR-5160 / SWITHLAND CT
- 62. SR-5161 / CLOVELLY CT

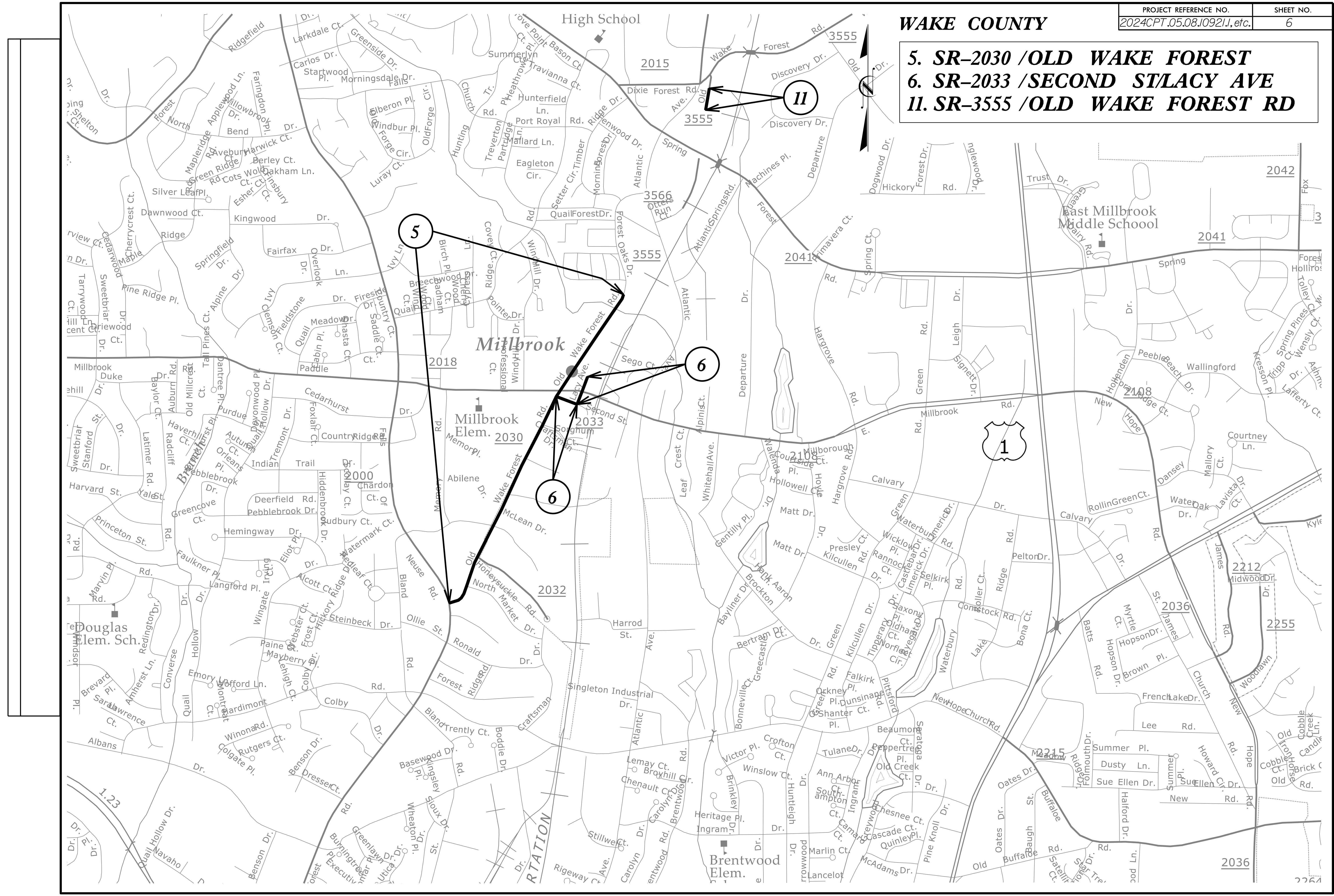
WAKE COUNTY

7. SR-2115 / CIRCLE DR



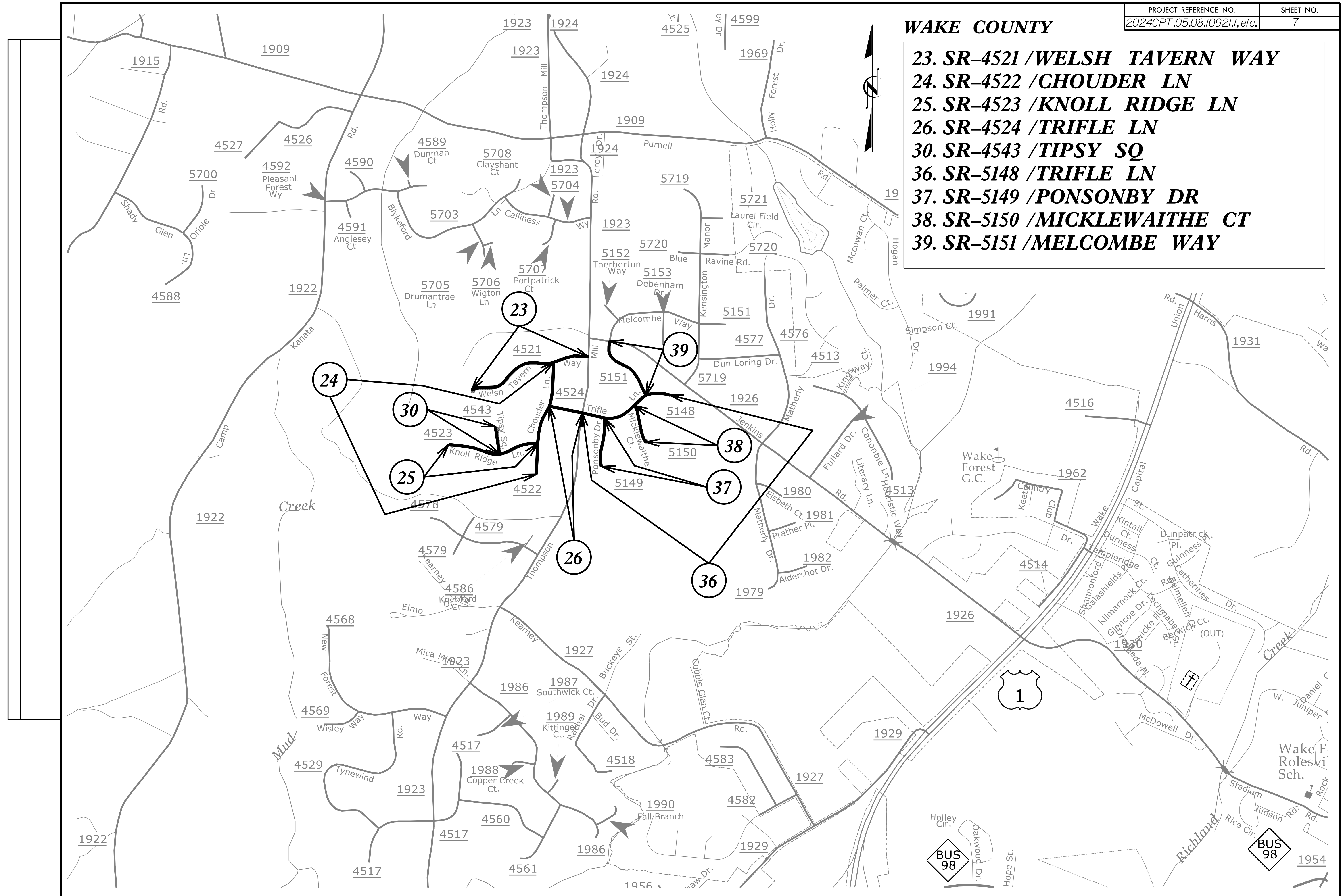
WAKE COUNTY

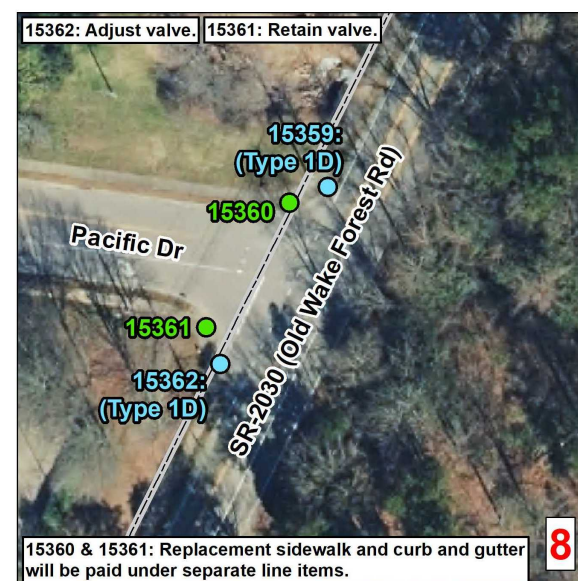
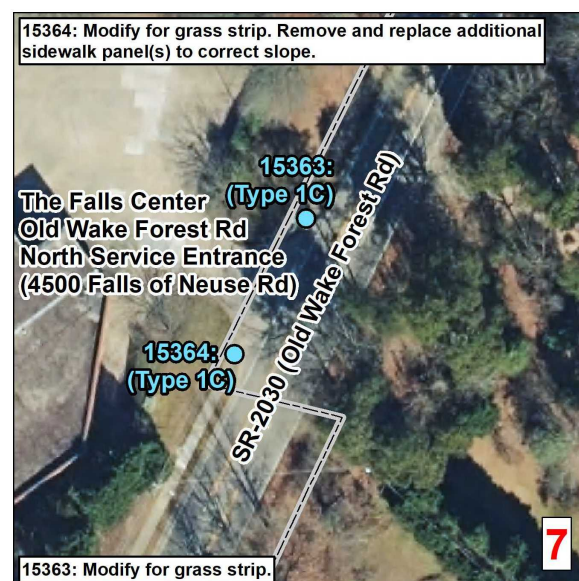
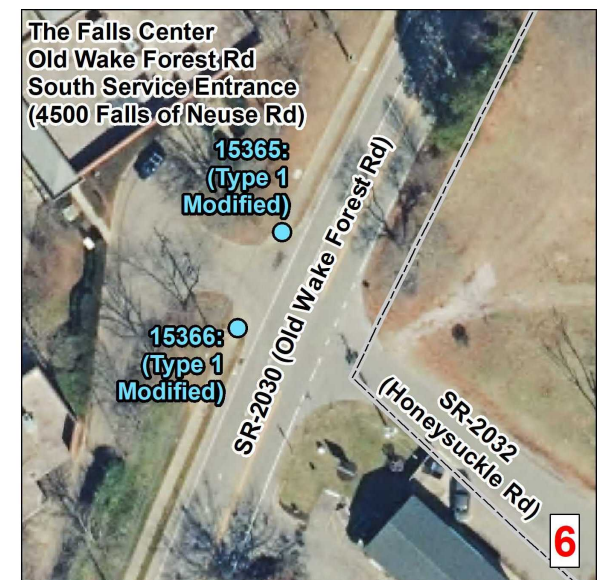
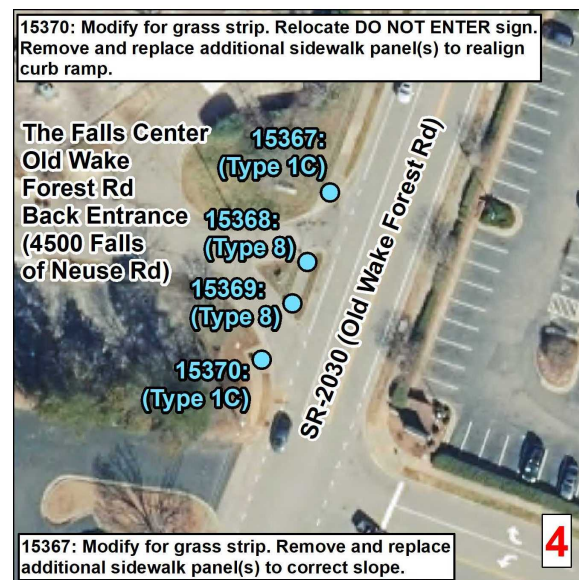
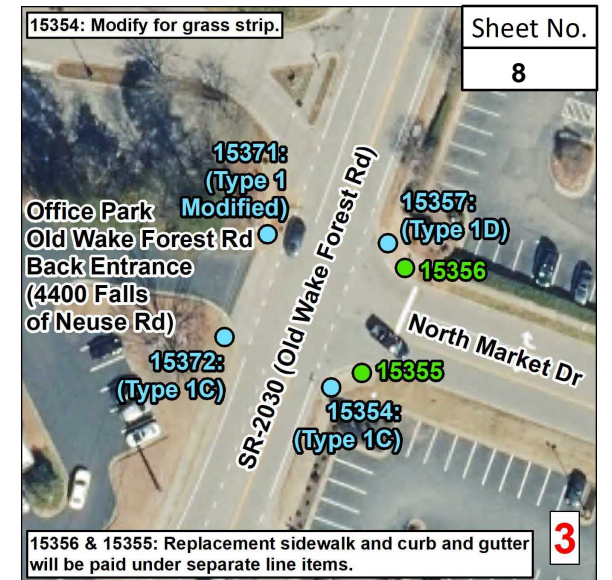
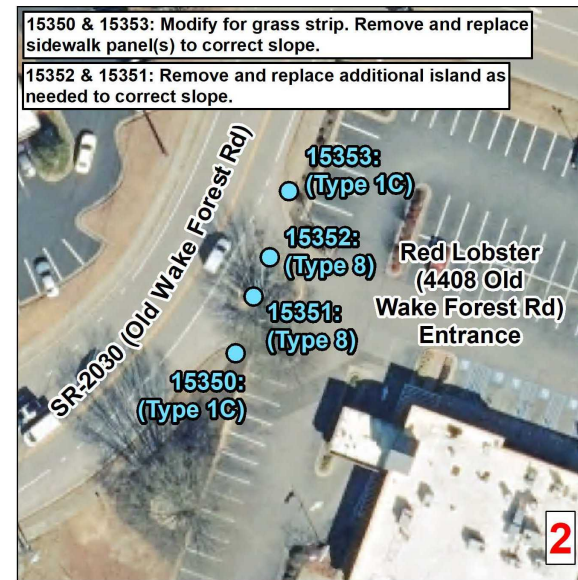
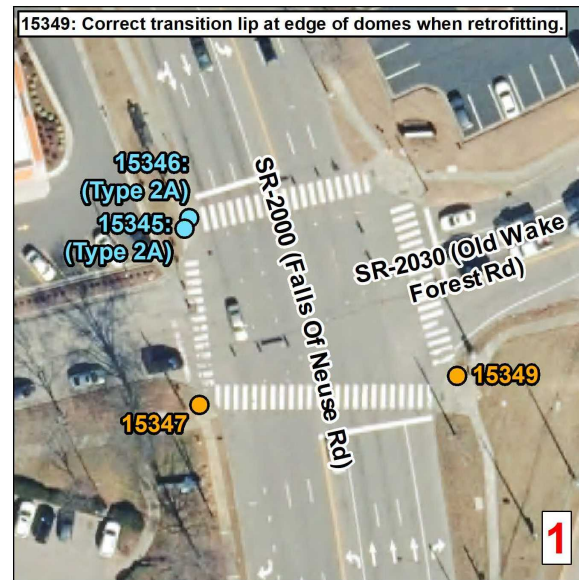
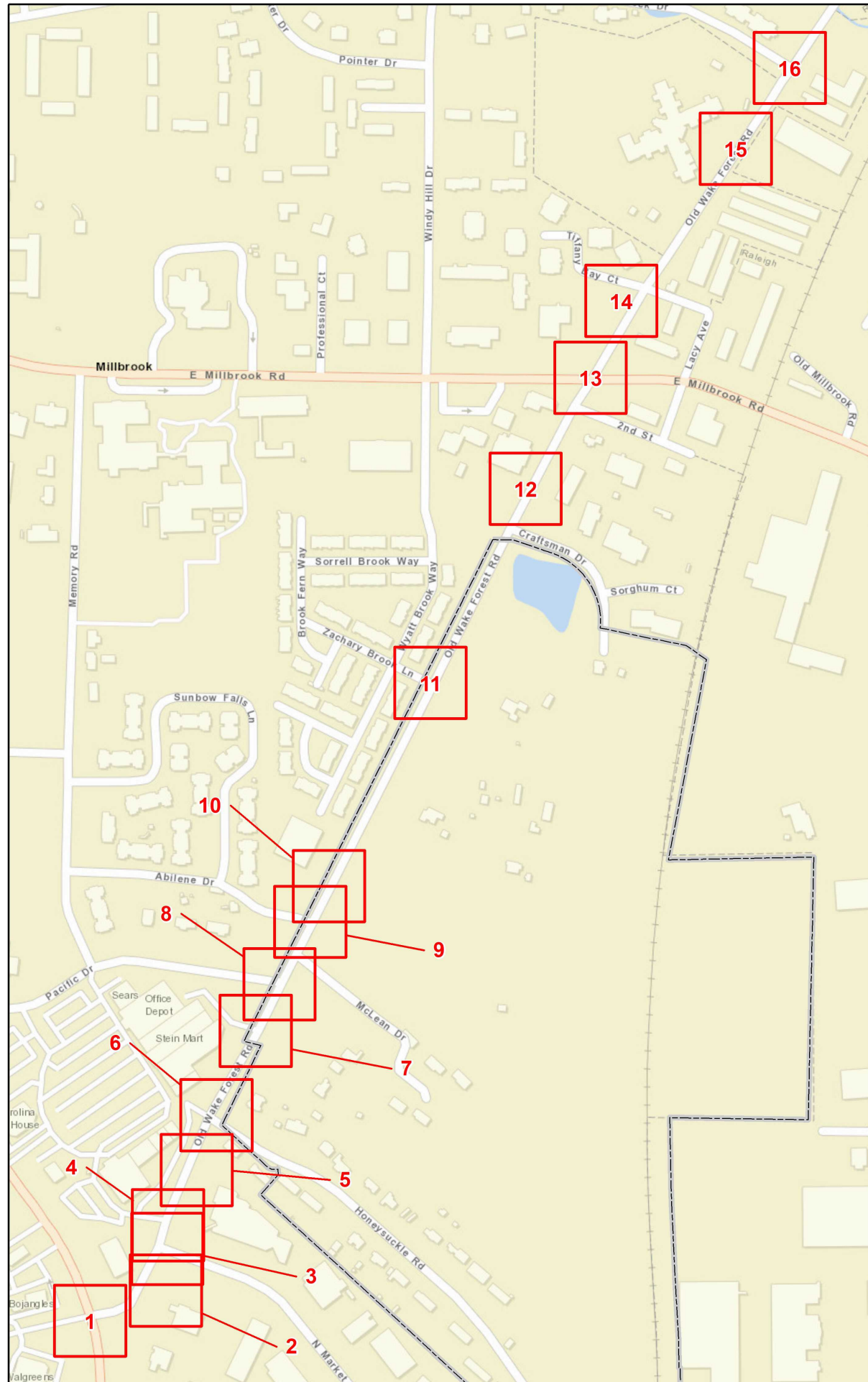
- 5. SR-2030 / OLD WAKE FOREST**
- 6. SR-2033 / SECOND ST/LACY AVE**
- 11. SR-3555 / OLD WAKE FOREST RD**



WAKE COUNTY

- 23. SR-4521 / WELSH TAVERN WAY**
- 24. SR-4522 / CHOUDER LN**
- 25. SR-4523 / KNOLL RIDGE LN**
- 26. SR-4524 / TRIFLE LN**
- 30. SR-4543 / TIPSY SQ**
- 36. SR-5148 / TRIFLE LN**
- 37. SR-5149 / PONSONBY DR**
- 38. SR-5150 / MICKLEWAITHE CT**
- 39. SR-5151 / MELCOMBE WAY**





Curb Ramps To Be Repaired

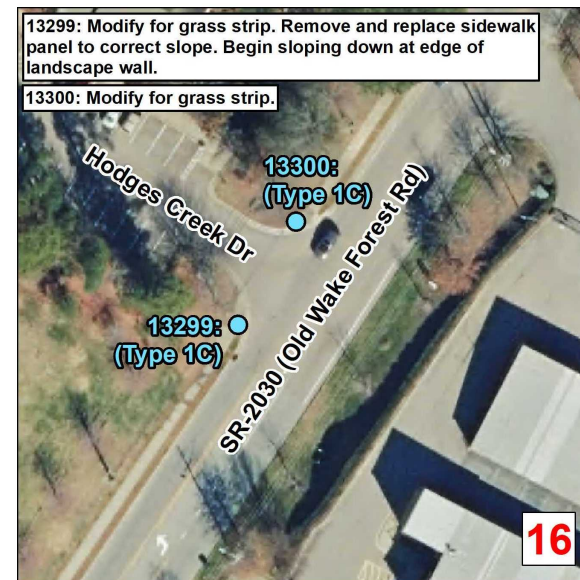
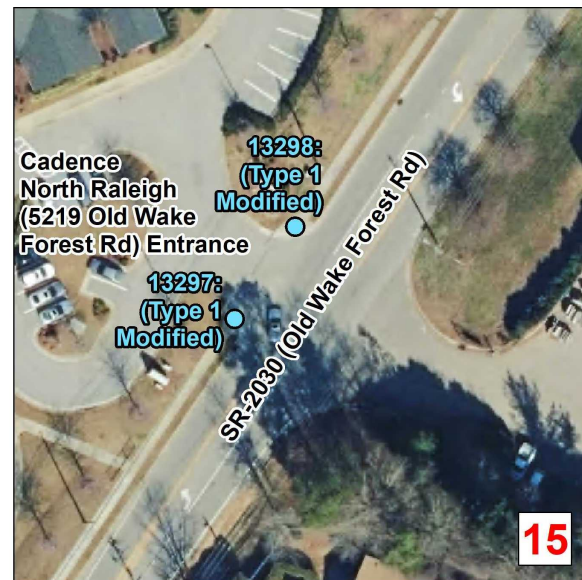
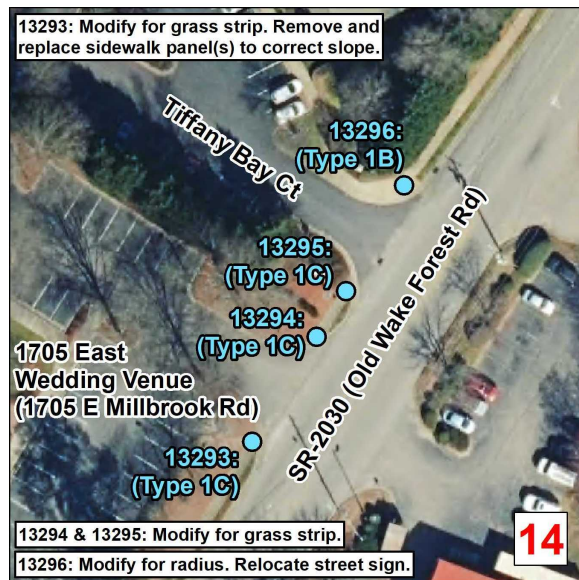
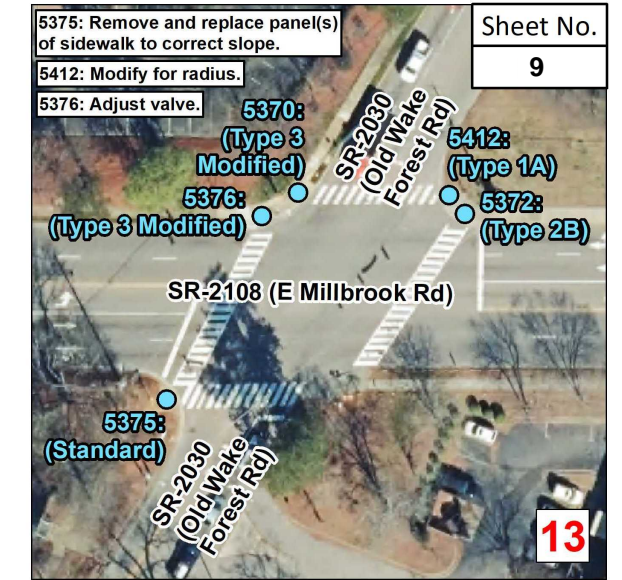
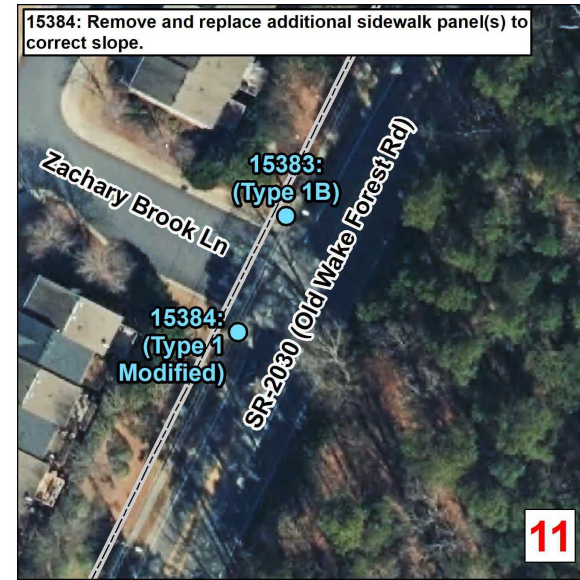
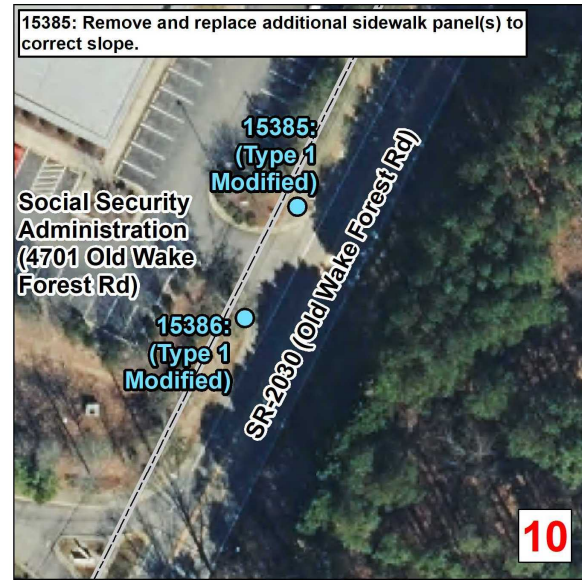
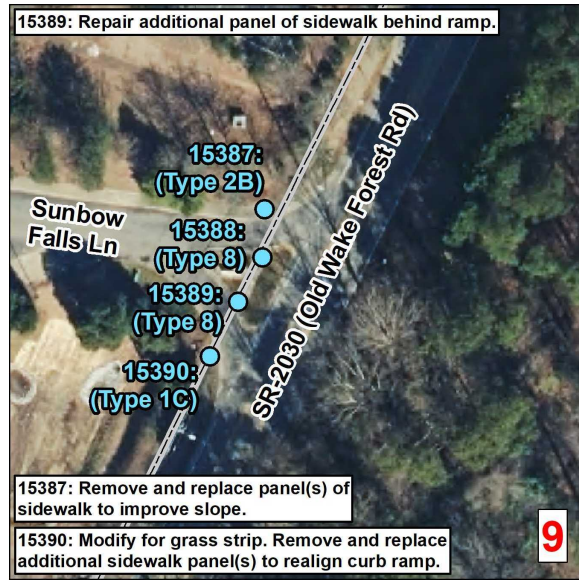
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

Wake
Project Number: 2024CPT.05.08.20921.1
Old Wake Forest Rd
From SR 2000 To END MAINT

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION 5

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



Curb Ramps To Be Repaired

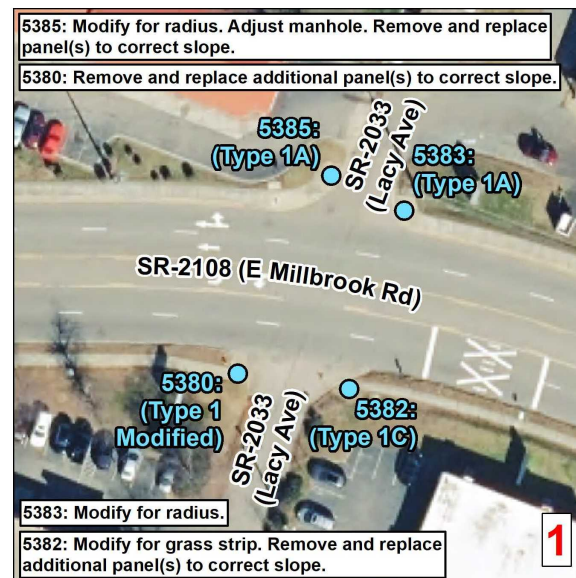
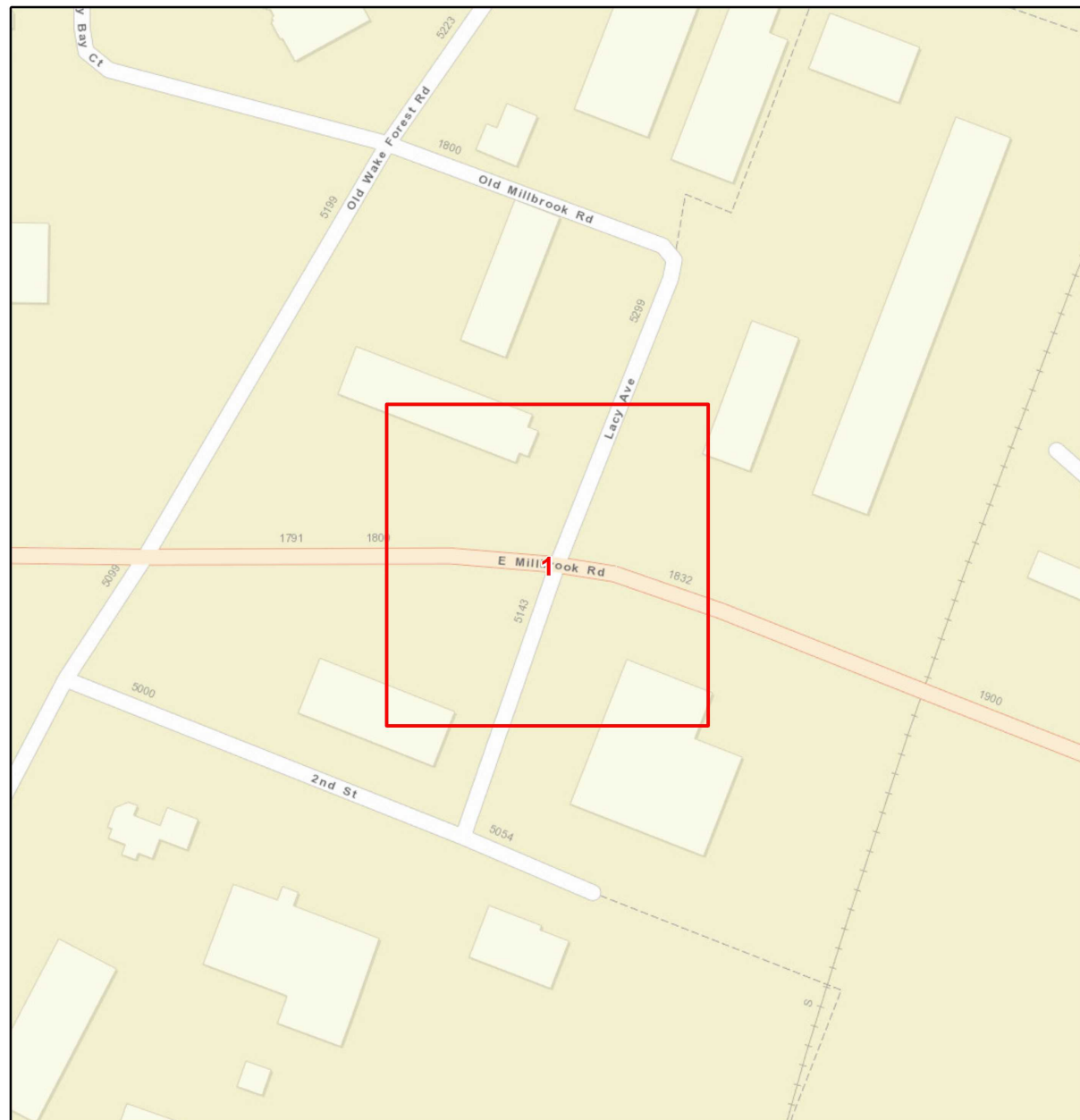
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

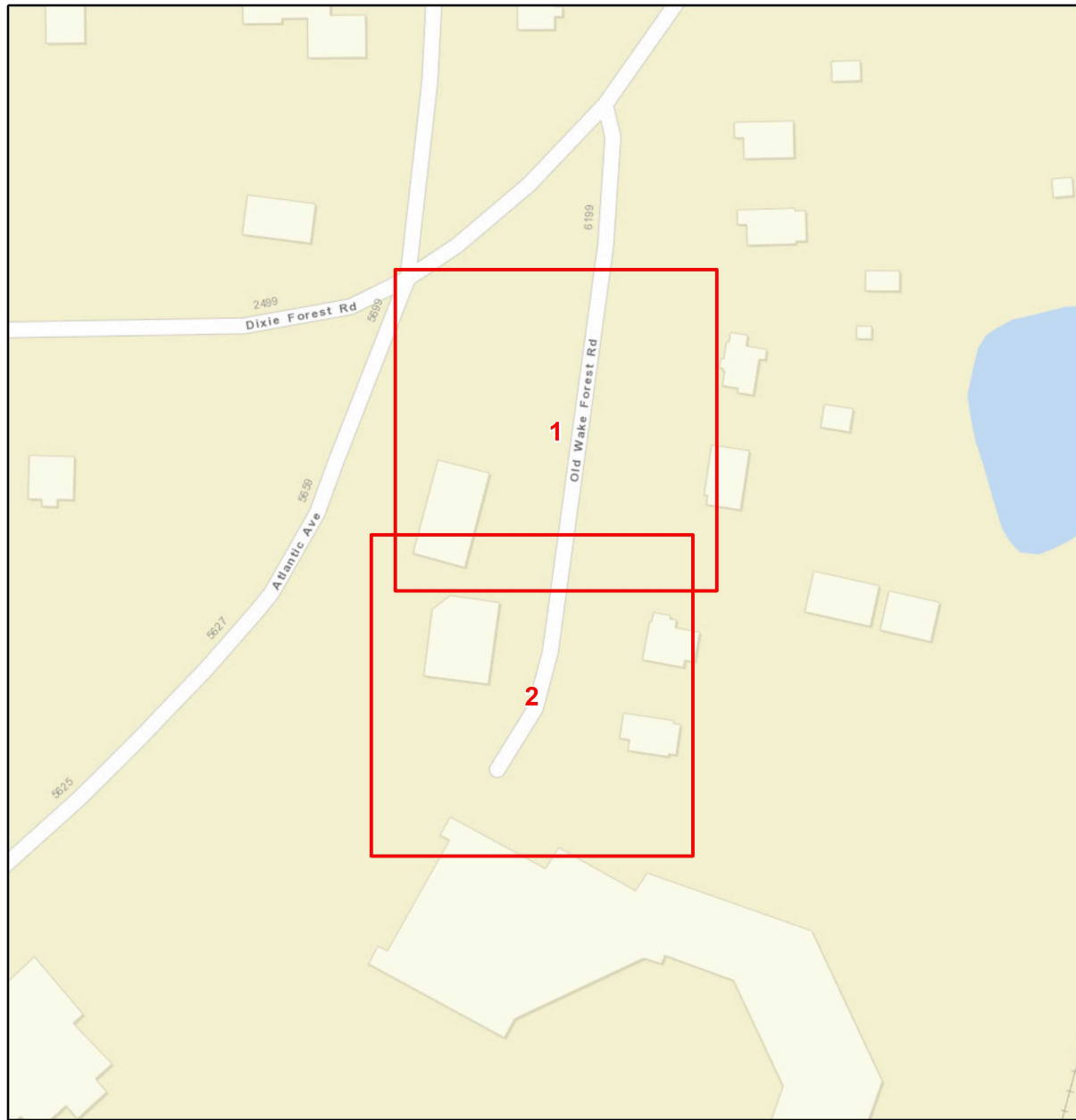
Wake
Project Number: 2024CPT.05.08.20921.1
Old Wake Forest Rd
From SR 2000 To END MAINT

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION 5

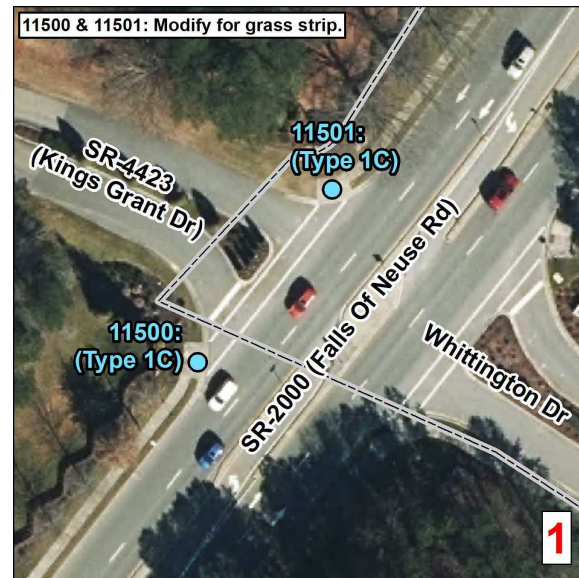
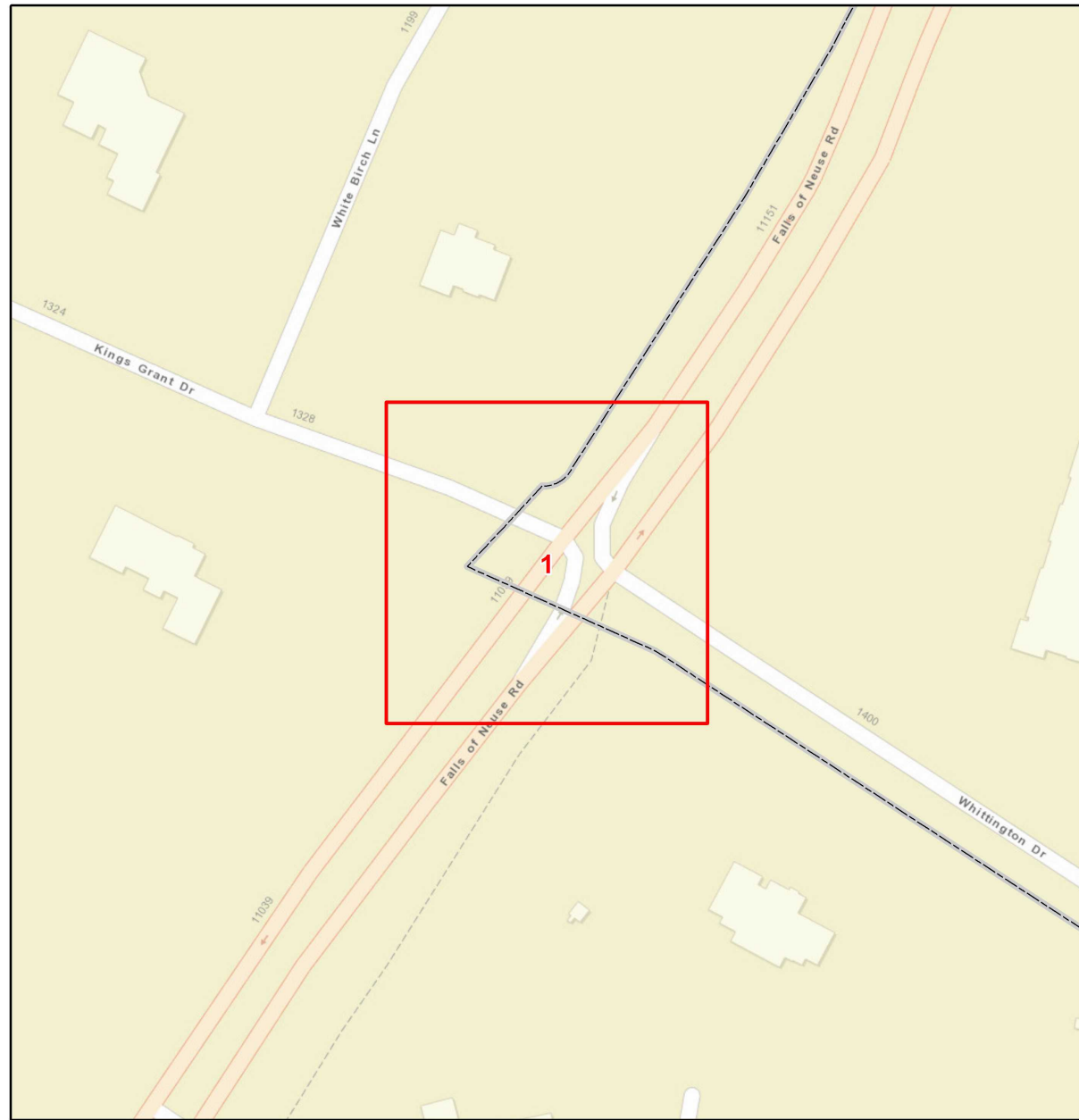
Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO







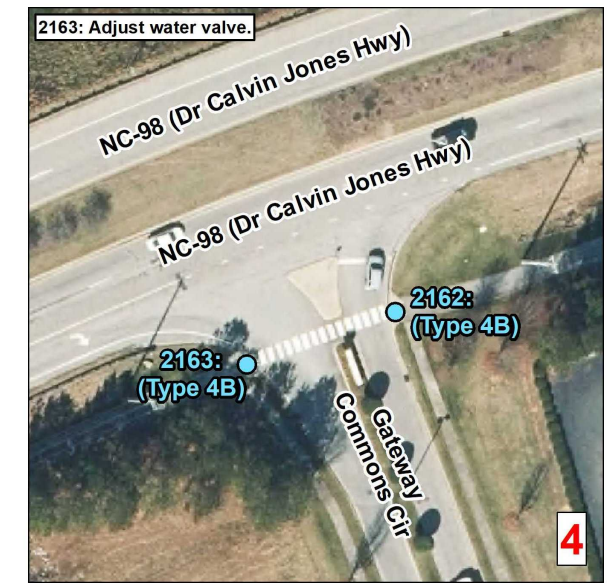
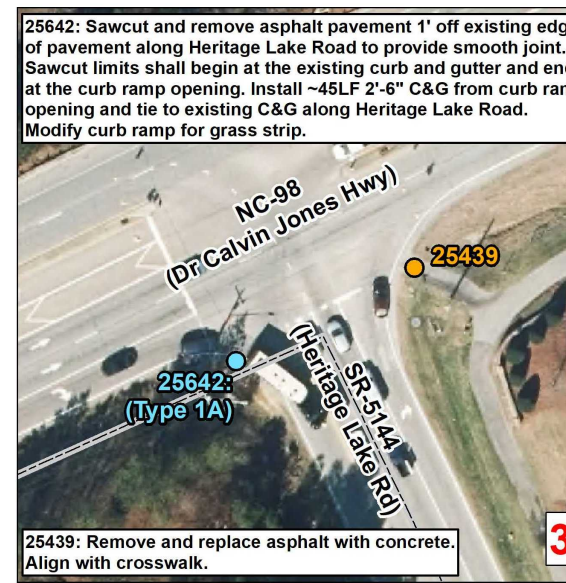
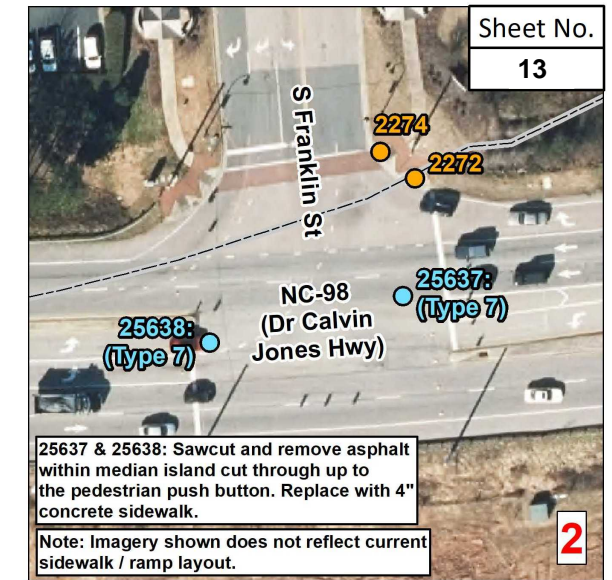
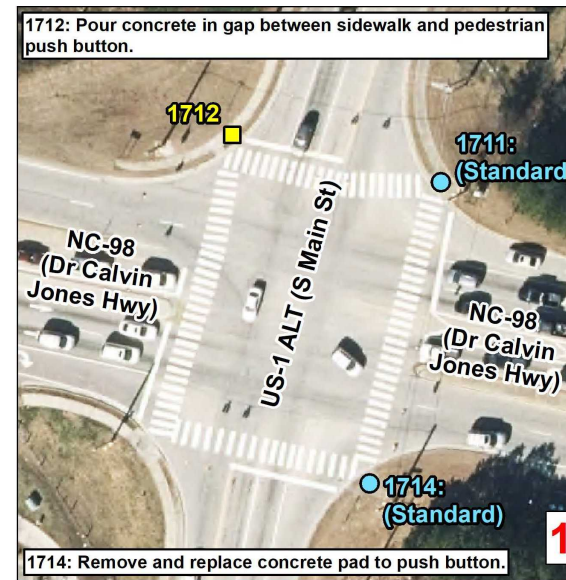
Curb Ramps To Be Repaired		
	Retrofit	
	Remove and Replace	
	New Curb Ramp	
	Remove Ramp	
	Other	
	Municipal Boundary	
	NCHPO Historic Boundary (NR and LHD)	
Wake		
Project Number: 2024CPT.05.08.20921.1		
Lacy Ave/Second St		
From SR 2030 To END MAINT		
	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 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)	
Wake Project Number: 2024CPT.05.08.20921.1 Old Wake Forest Rd From SR 2015 To Cul-de-sac		
		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 5
<small>Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO</small>		



Curb Ramps To Be Repaired		
●	Retrofit	
●	Remove and Replace	
●	New Curb Ramp	
●	Remove Ramp	
■	Other	
	Municipal Boundary	
	NCHPO Historic Boundary (NR and LHD)	
Wake Project Number: 2024CPT.05.08.20921.1 Kings Grant Dr From SR 2000 To SR 4423		
		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 5
Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO		



Sheet No.
13

Curb Ramps To Be Repaired

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

Municipal Boundary

NCHPO Historic Boundary (NR and LHD)

Wake
Project Number: 2024CPT.05.08.10921.1

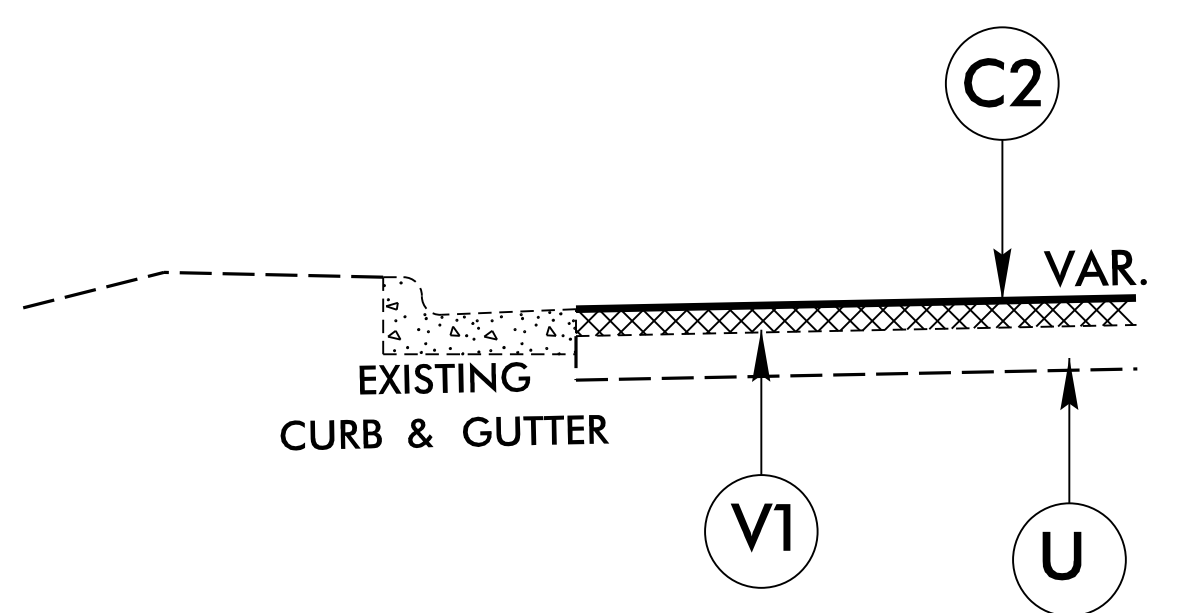
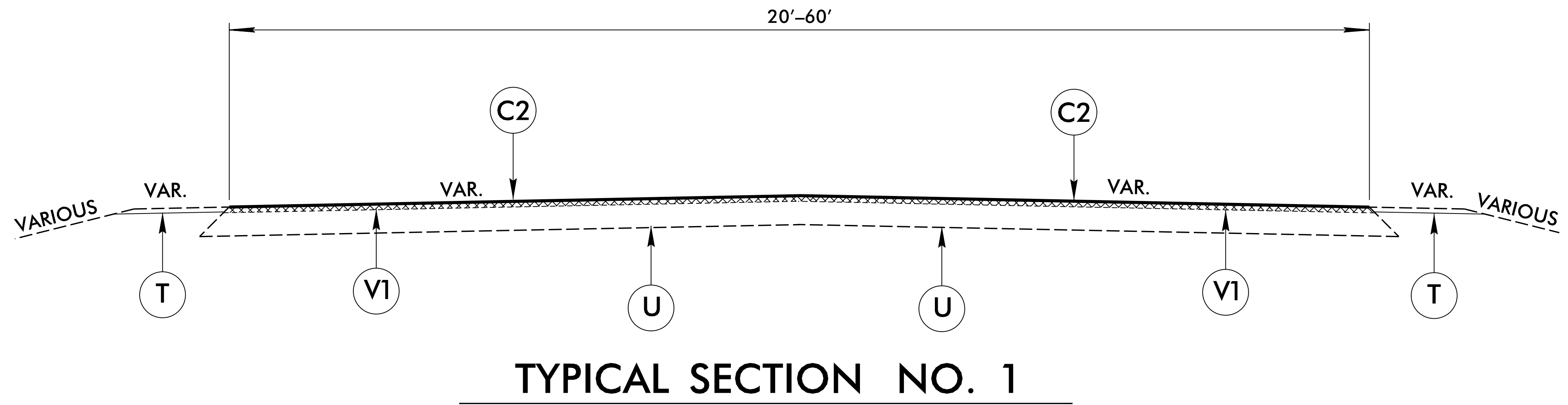
NC 98 From
Beg Div Hwy To Pavement Joint

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 5

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

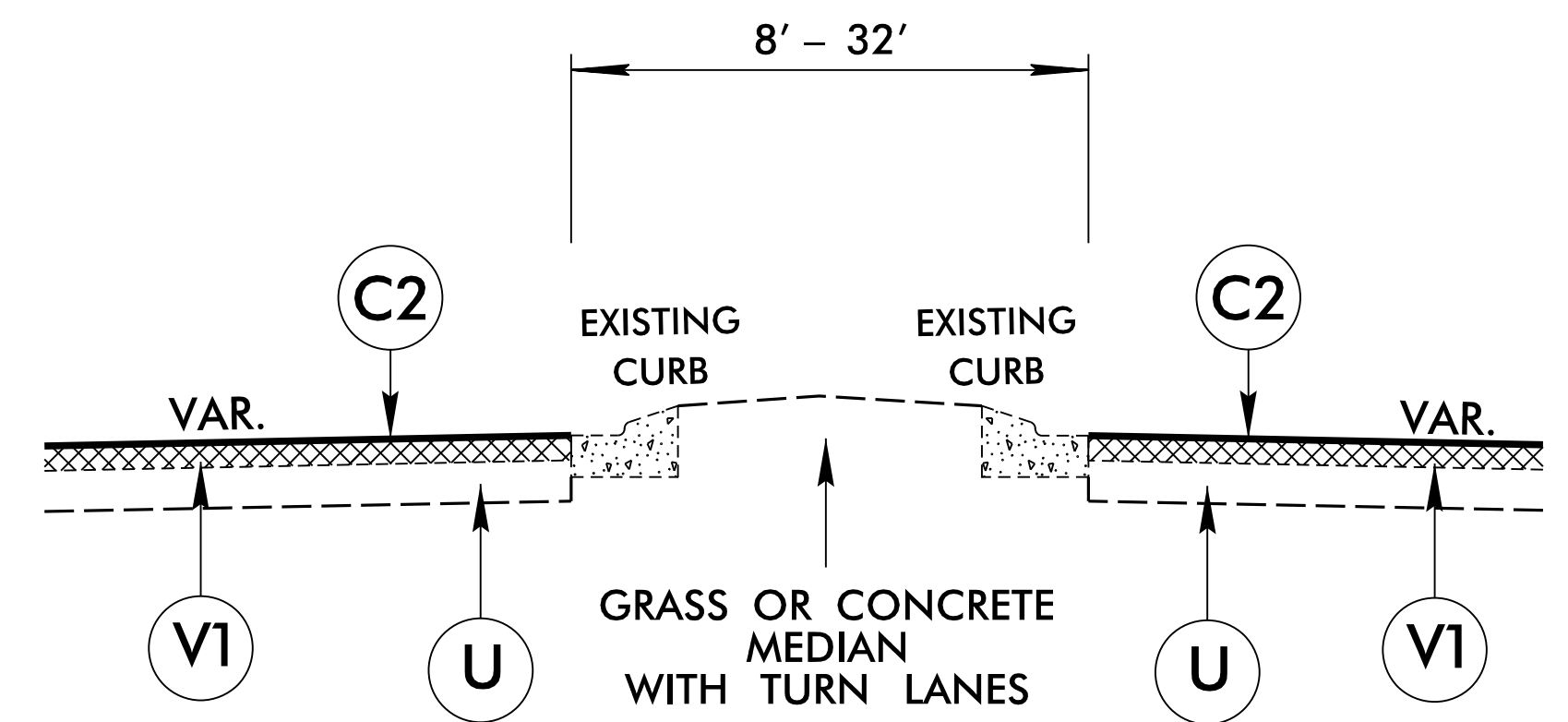
8/17/98

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	PROP. APPROX. 1" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1 1/2"
V2	MILLING OF EXISTING ASPHALT PAVEMENT, 0" TO 1 1/4"
V3	MILLING OF EXISTING ASPHALT PAVEMENT, 0" TO 1"
V4	MILLING OF EXISTING ASPHALT PAVEMENT, 0" TO 1 1/2"
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT



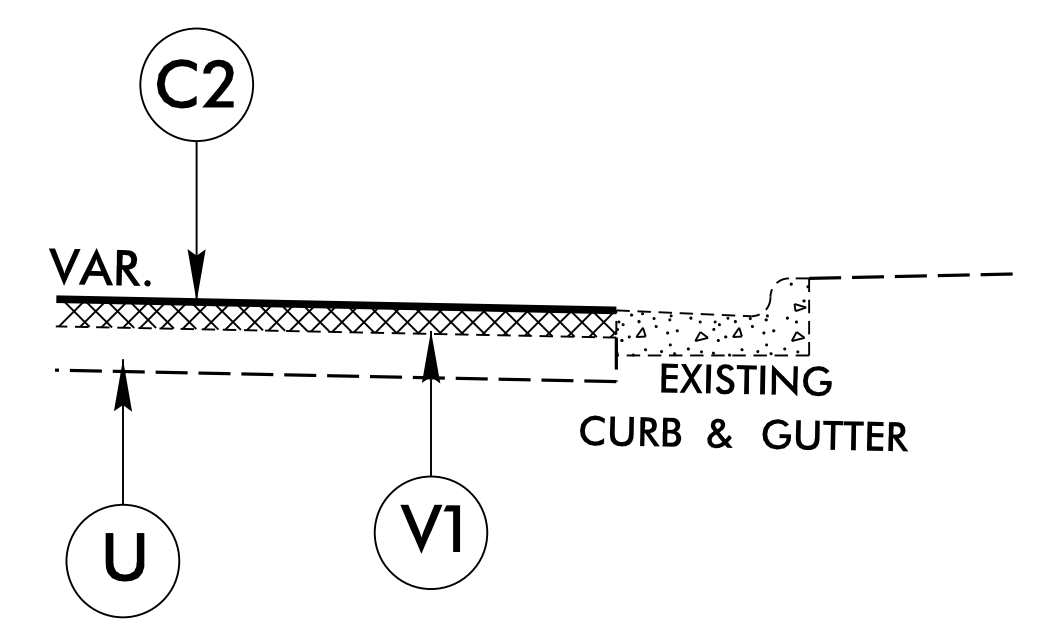
USE IN CONJUNCTION WITH TYPICAL SECTION NO. 1

MAP 1 NC 98
 CURB AND GUTTER SECTION - 566' +/-
 MAP 2 NC 98
 CURB AND GUTTER SECTION - 4,429' +/-
 MAP 5
 OLD WAKE FOREST RD
 CURB AND GUTTER SECTION - 5,463' +/-
 MAP 6
 LACY AVE/SECOND ST
 CURB AND GUTTER SECTION - 475' +/-



USE IN CONJUNCTION WITH TYPICAL SECTION NO. 1

MAP 1 NC 98
 CURB AND GUTTER SECTION - 591' +/-
 MAP 2 NC 98
 CURB AND GUTTER SECTION - 18,145' +/-



USE IN CONJUNCTION WITH TYPICAL SECTION NO. 1

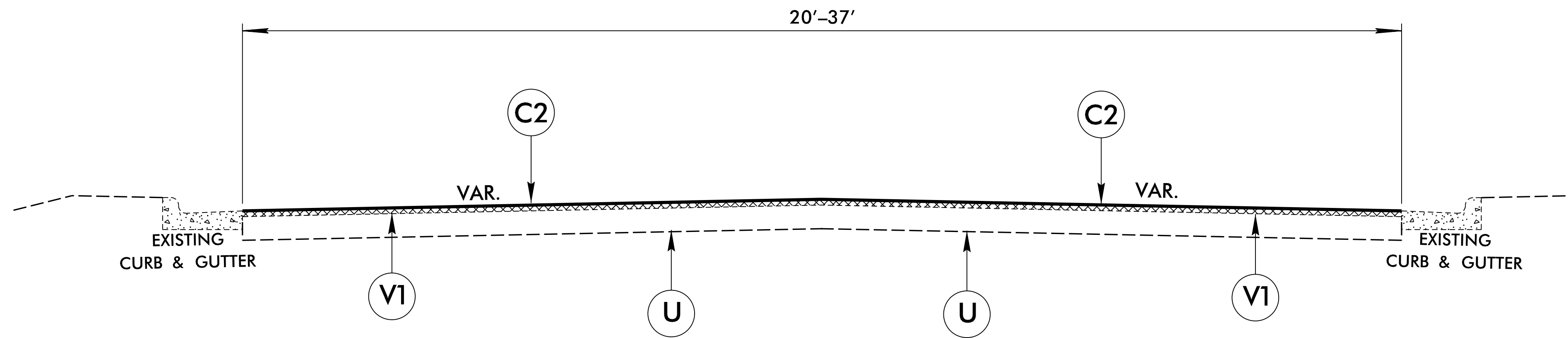
MAP 1 NC 98
 CURB AND GUTTER SECTION - 546' +/-
 MAP 2 NC 98
 CURB AND GUTTER SECTION - 1,938' +/-
 MAP 5
 OLD WAKE FOREST RD
 CURB AND GUTTER SECTION - 2,124' +/-
 MAP 6
 LACY AVE/SECOND ST
 CURB AND GUTTER SECTION - 165' +/-

NOTE:
 AGGREGATE SHOULDER BORROW IS TO BE CONSIDERED A CONTINGENCY ITEM.
 EXACT QUANTITIES ARE NOT DETERMINED.
 USE AS NEEDED FOR SHOULDER TREATMENT.

8/17/99

PAVEMENT SCHEDULE

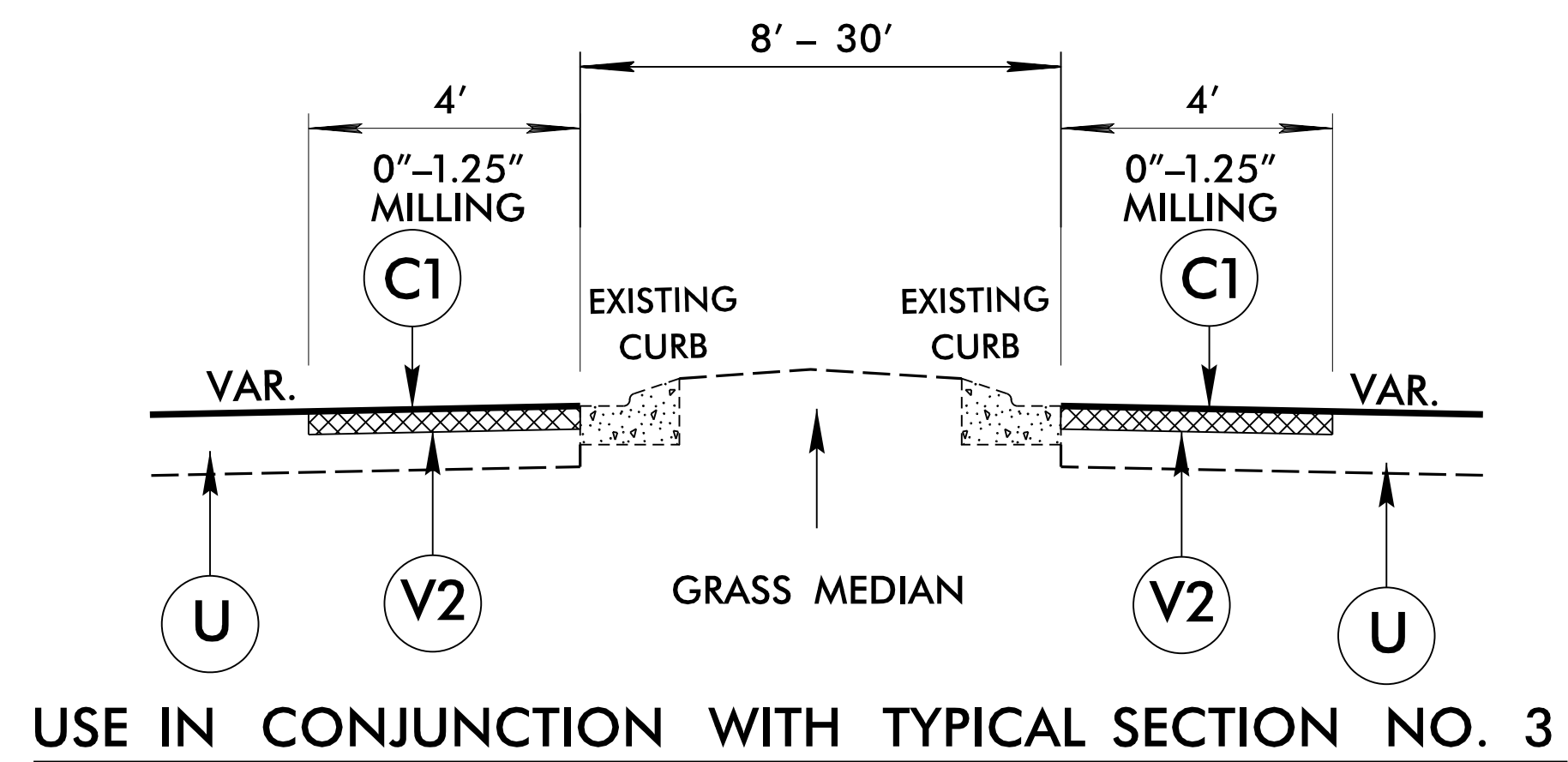
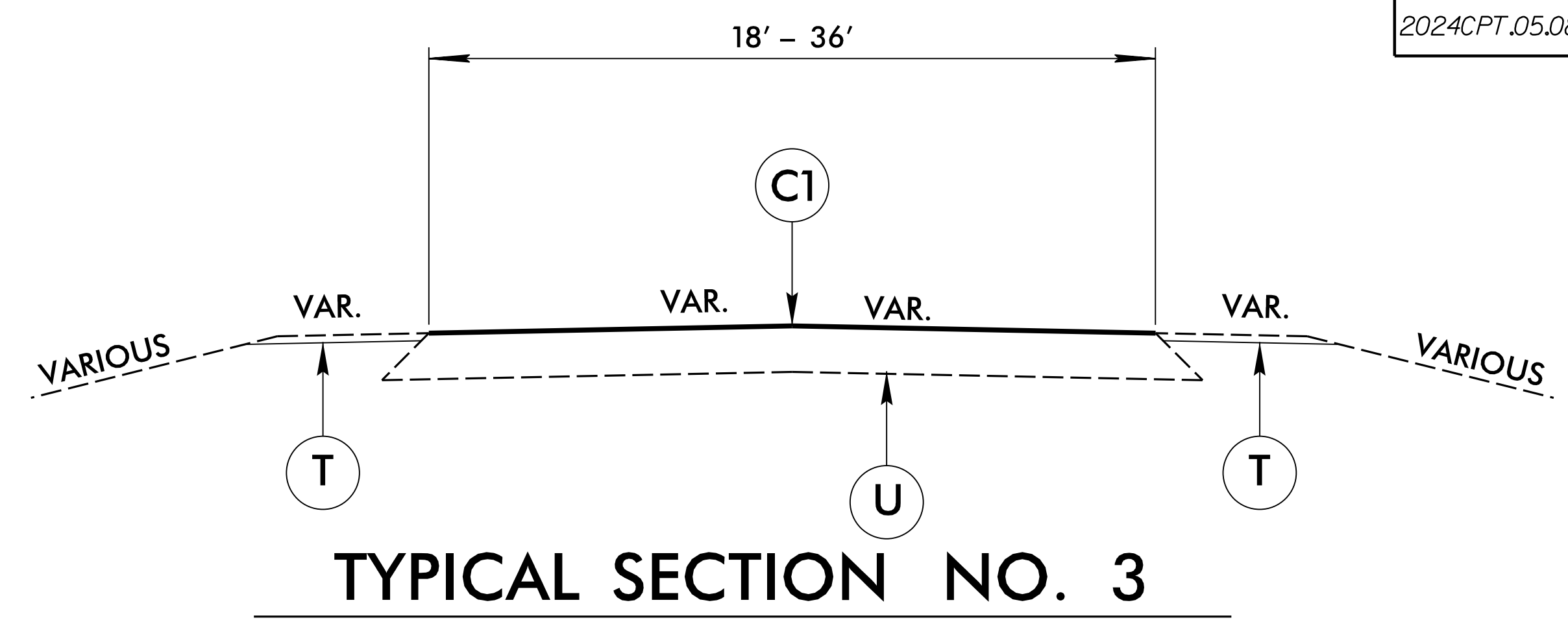
C1	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	PROP. APPROX. 1" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1 1/2"
V2	MILLING OF EXISTING ASPHALT PAVEMENT, 0" TO 1 1/4"
V3	MILLING OF EXISTING ASPHALT PAVEMENT, 0" TO 1"
V4	MILLING OF EXISTING ASPHALT PAVEMENT, 0" TO 1 1/2"
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT



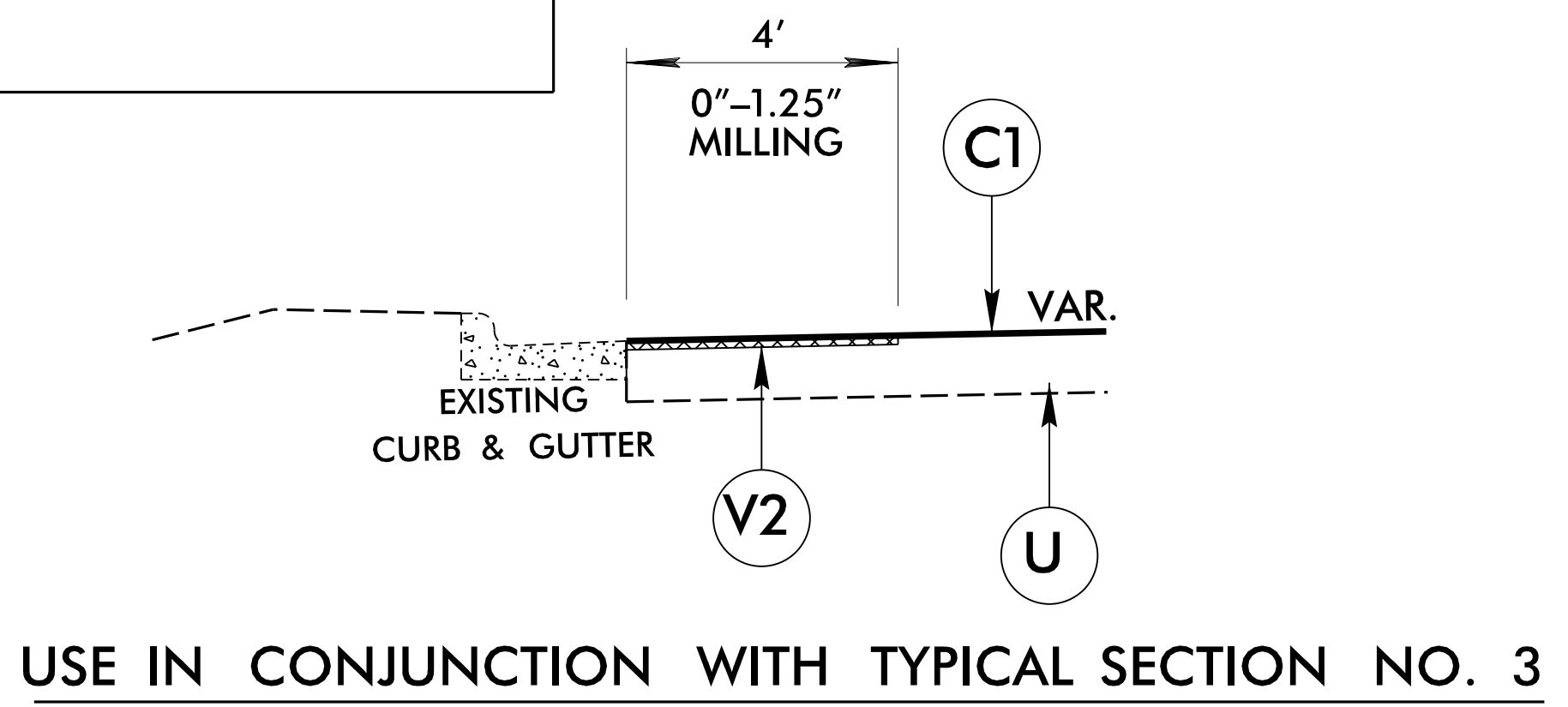
TYPICAL SECTION NO. 2

8/17/99

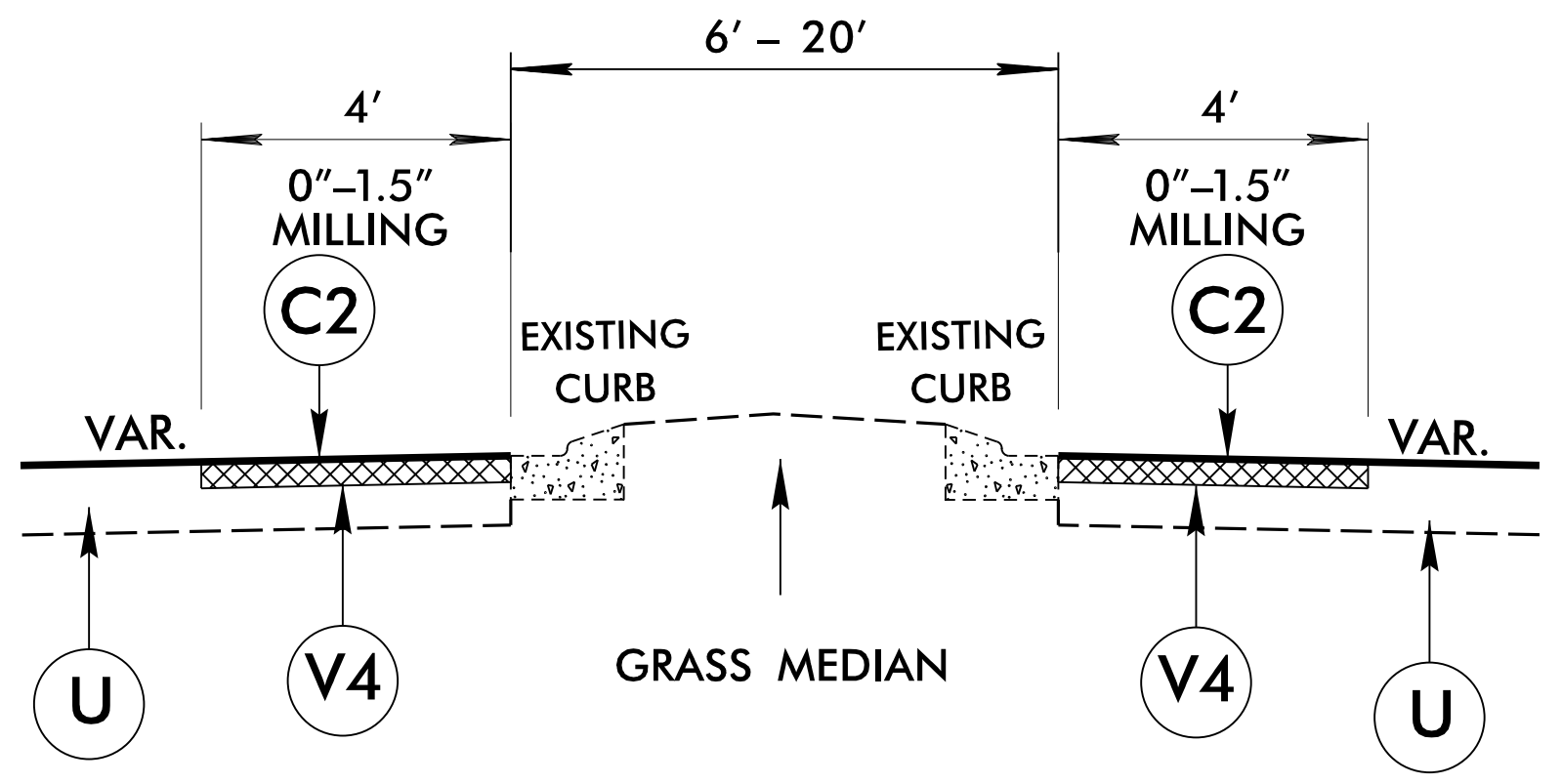
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	PROP. APPROX. 1" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1 1/2"
V2	MILLING OF EXISTING ASPHALT PAVEMENT, 0" TO 1 1/4"
V3	MILLING OF EXISTING ASPHALT PAVEMENT, 0" TO 1"
V4	MILLING OF EXISTING ASPHALT PAVEMENT, 0" TO 1 1/2"
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT



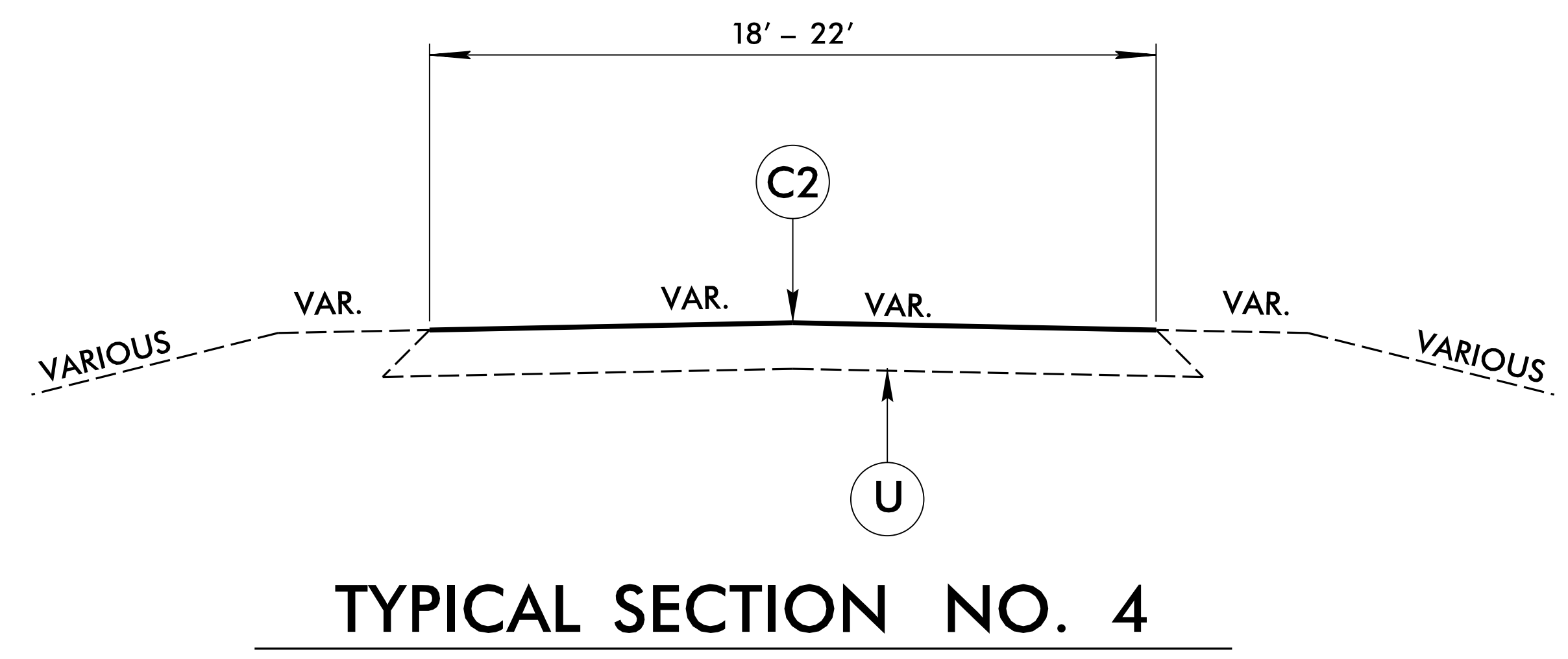
MAP 14 KOUPELA DR
CURB AND GUTTER SECTION - 134' +/-
MAP 19 LONIKER DR
CURB AND GUTTER SECTION - 106' +/-



MAP 11
OLD WAKE FOREST RD
CURB AND GUTTER SECTION - 248' +/-



MAP 20 KINGS GRANT DR
CURB AND GUTTER SECTION - 117' +/-

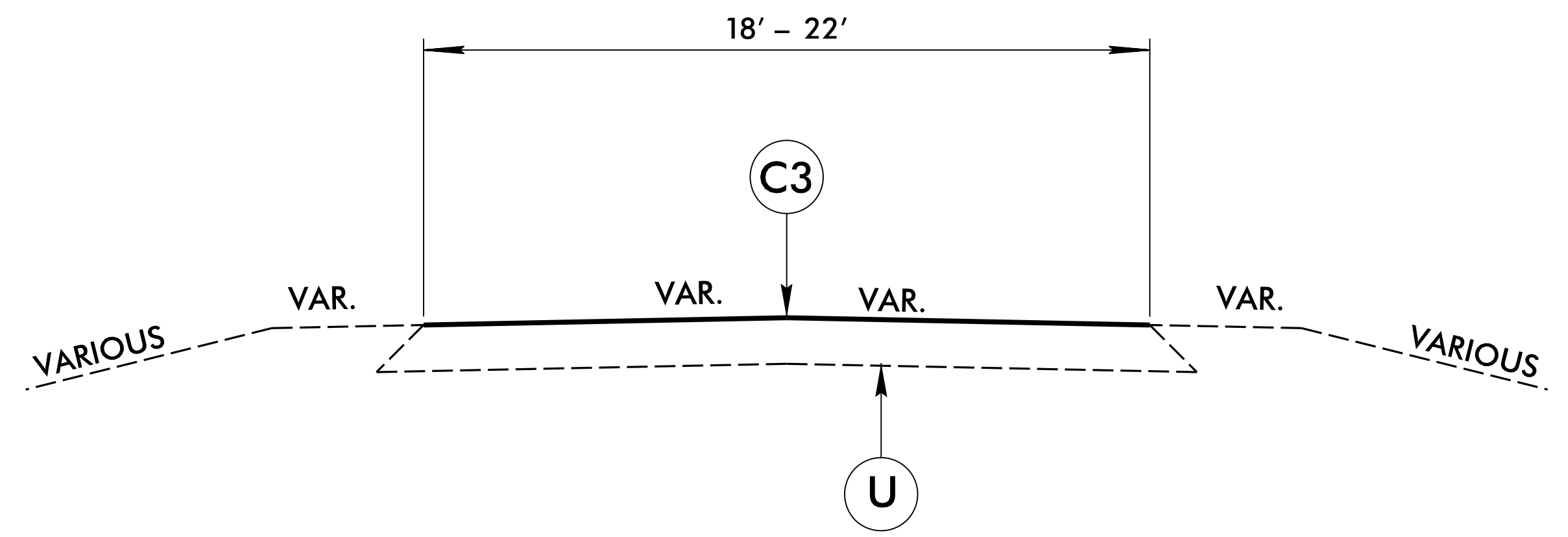


NOTE:
AGGREGATE SHOULDER BORROW IS TO BE CONSIDERED A CONTINGENCY ITEM.
EXACT QUANTITIES ARE NOT DETERMINED.
USE AS NEEDED FOR SHOULDER TREATMENT.

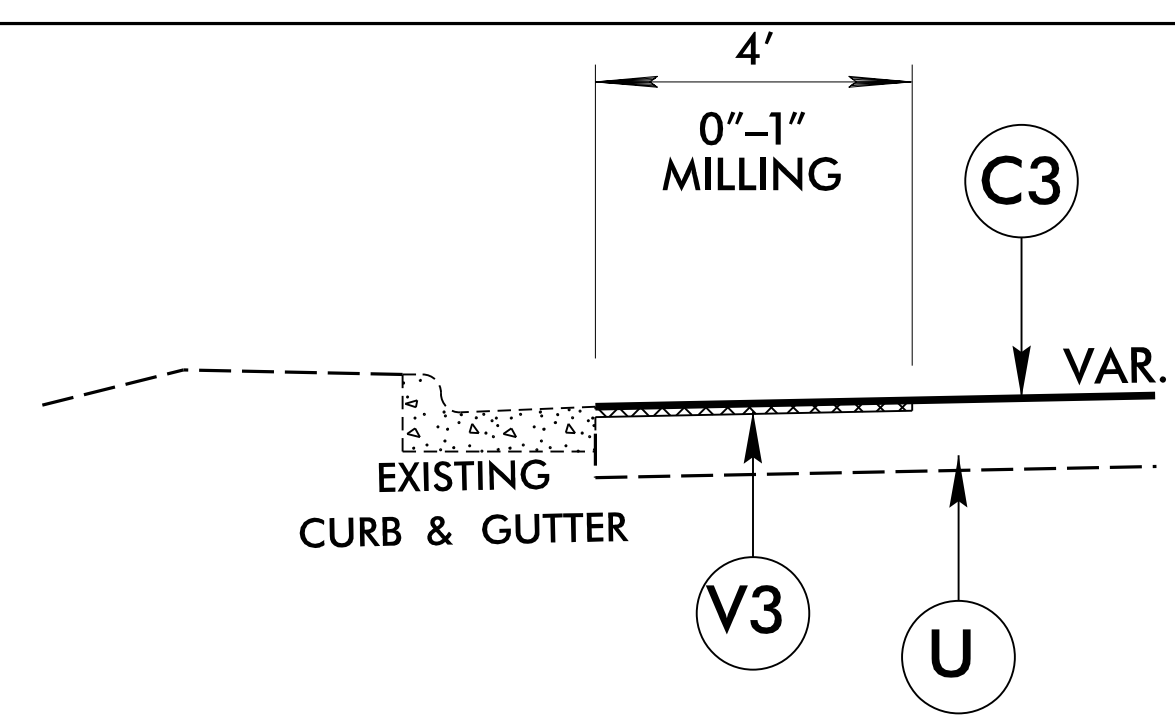
8/17/99

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	PROP. APPROX. 1" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1 1/2"
V2	MILLING OF EXISTING ASPHALT PAVEMENT, 0" TO 1 1/4"
V3	MILLING OF EXISTING ASPHALT PAVEMENT, 0" TO 1"
V4	MILLING OF EXISTING ASPHALT PAVEMENT, 0" TO 1 1/2"
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.05.08.10921J, etc.	17

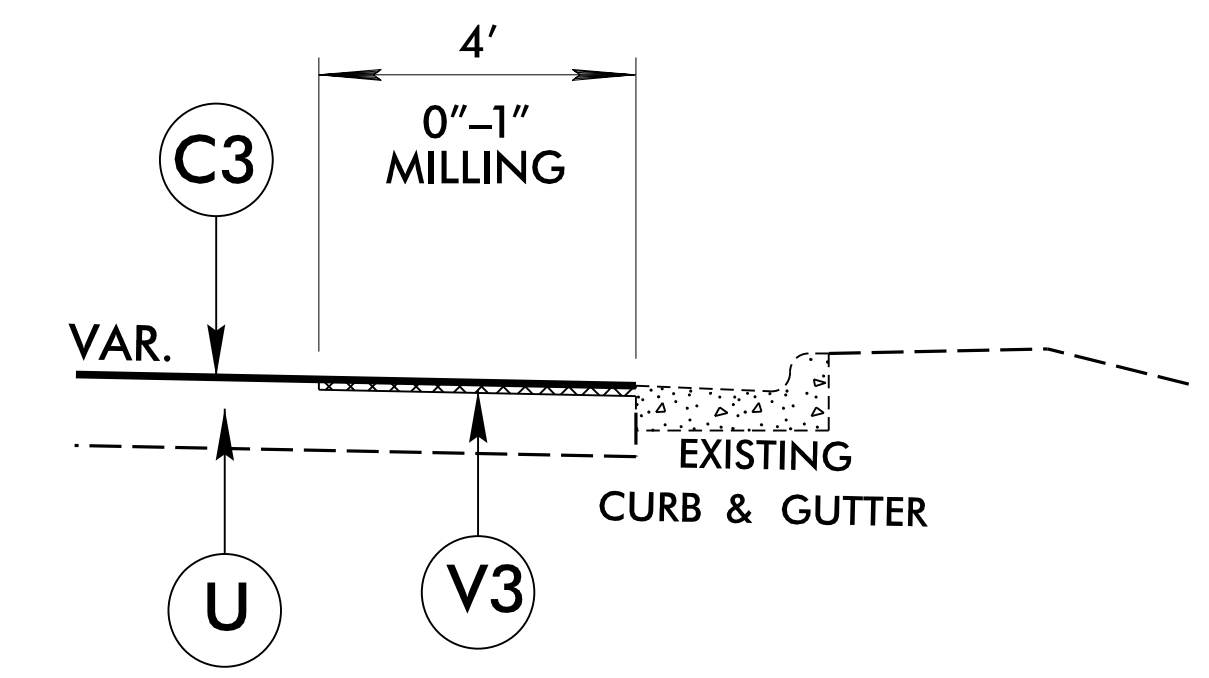


TYPICAL SECTION NO. 5



USE IN CONJUNCTION WITH TYPICAL SECTION NO. 5

- MAP 40 – LOMAS CT
- CURB AND GUTTER SECTION – 35' +/-
- MAP 44 – LIMESTONE CT
- CURB AND GUTTER SECTION – 49' +/-
- MAP 45 – S MERE CT
- CURB AND GUTTER SECTION – 47' +/-
- MAP 46 – BYWOOD CT
- CURB AND GUTTER SECTION – 39' +/-
- MAP 47 – TOPSFIELD CT
- CURB AND GUTTER SECTION – 50' +/-
- MAP 48 – UPLAND CT
- CURB AND GUTTER SECTION – 50' +/-
- MAP 49 – BROOKTON CT
- CURB AND GUTTER SECTION – 39' +/-



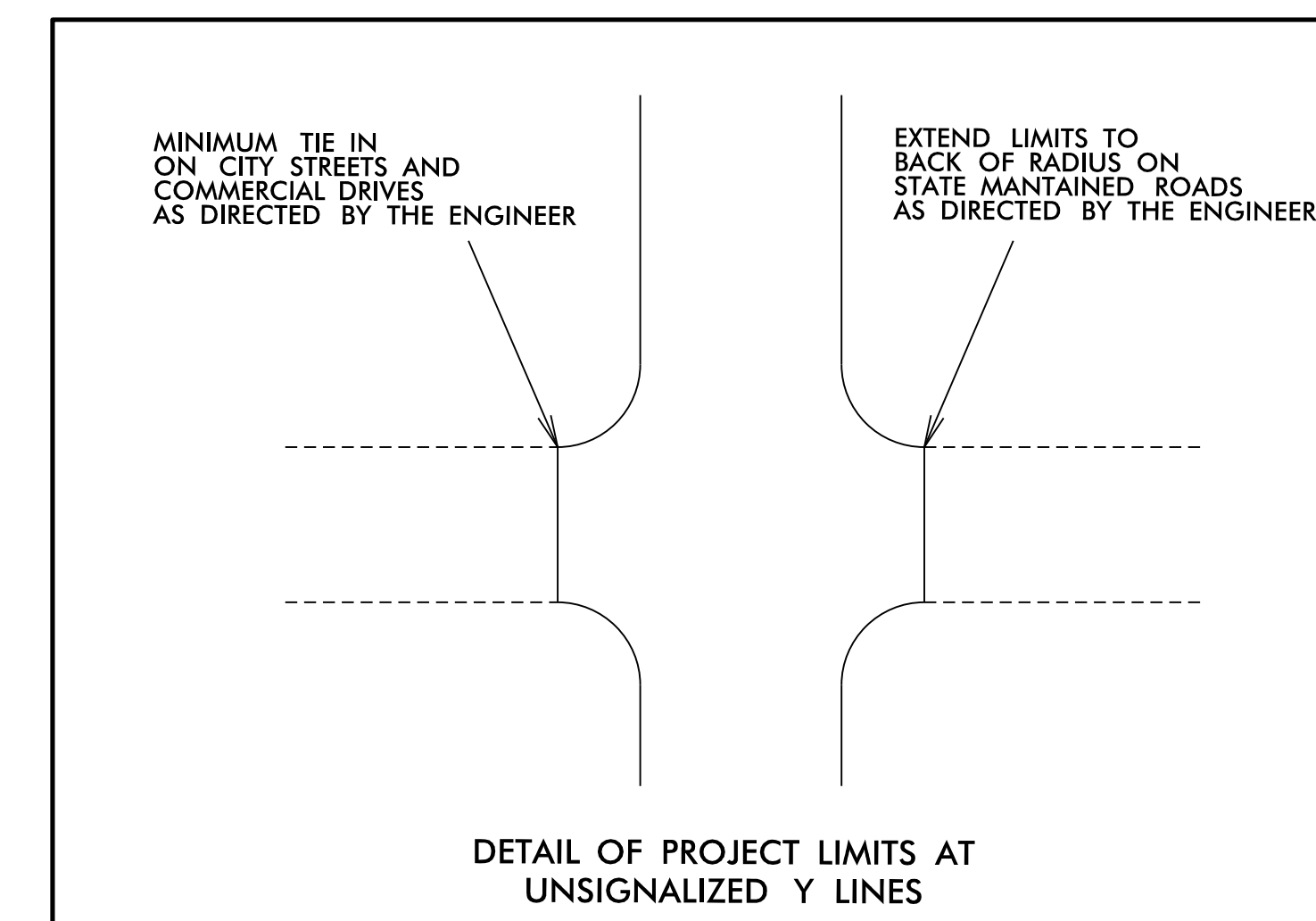
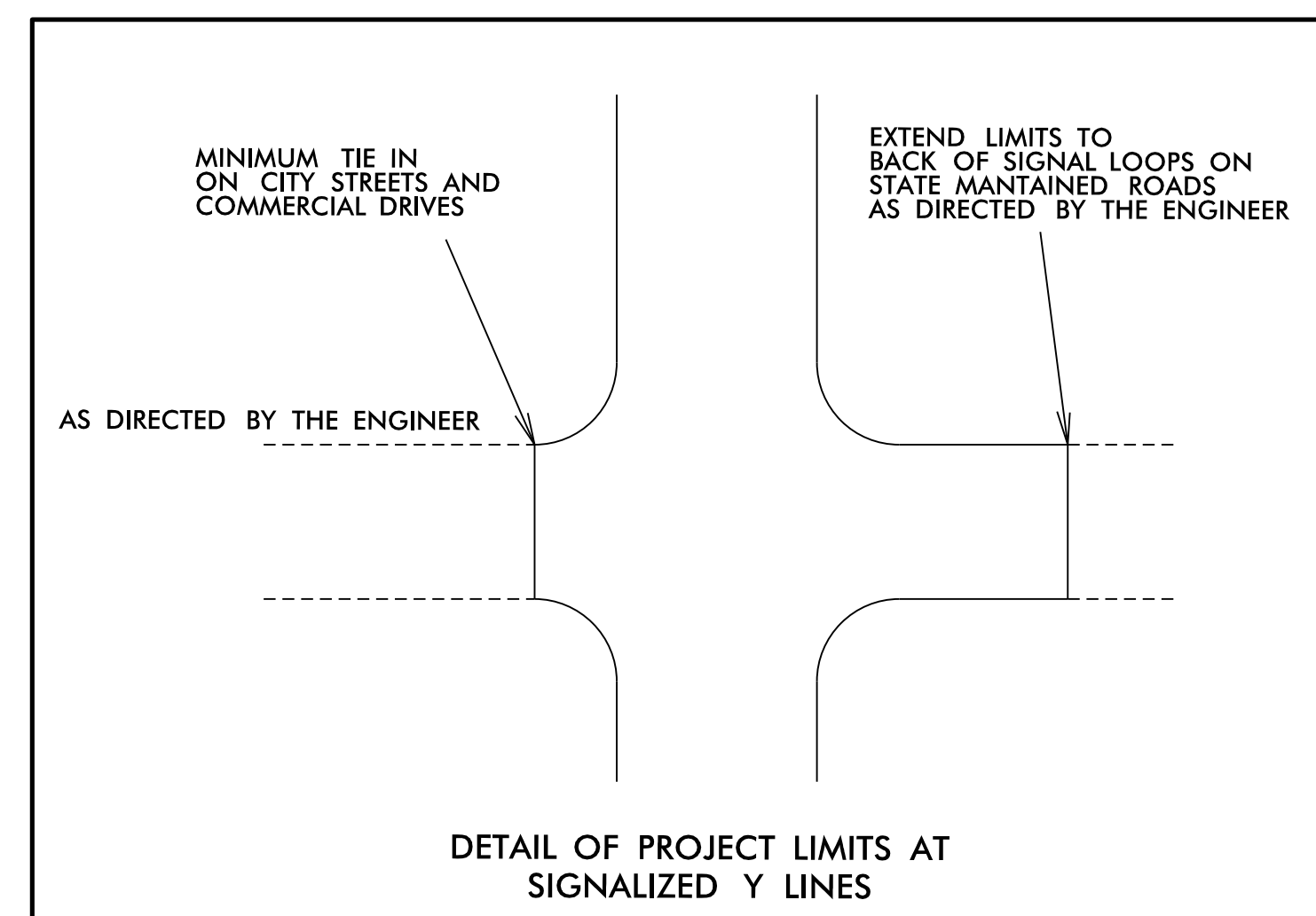
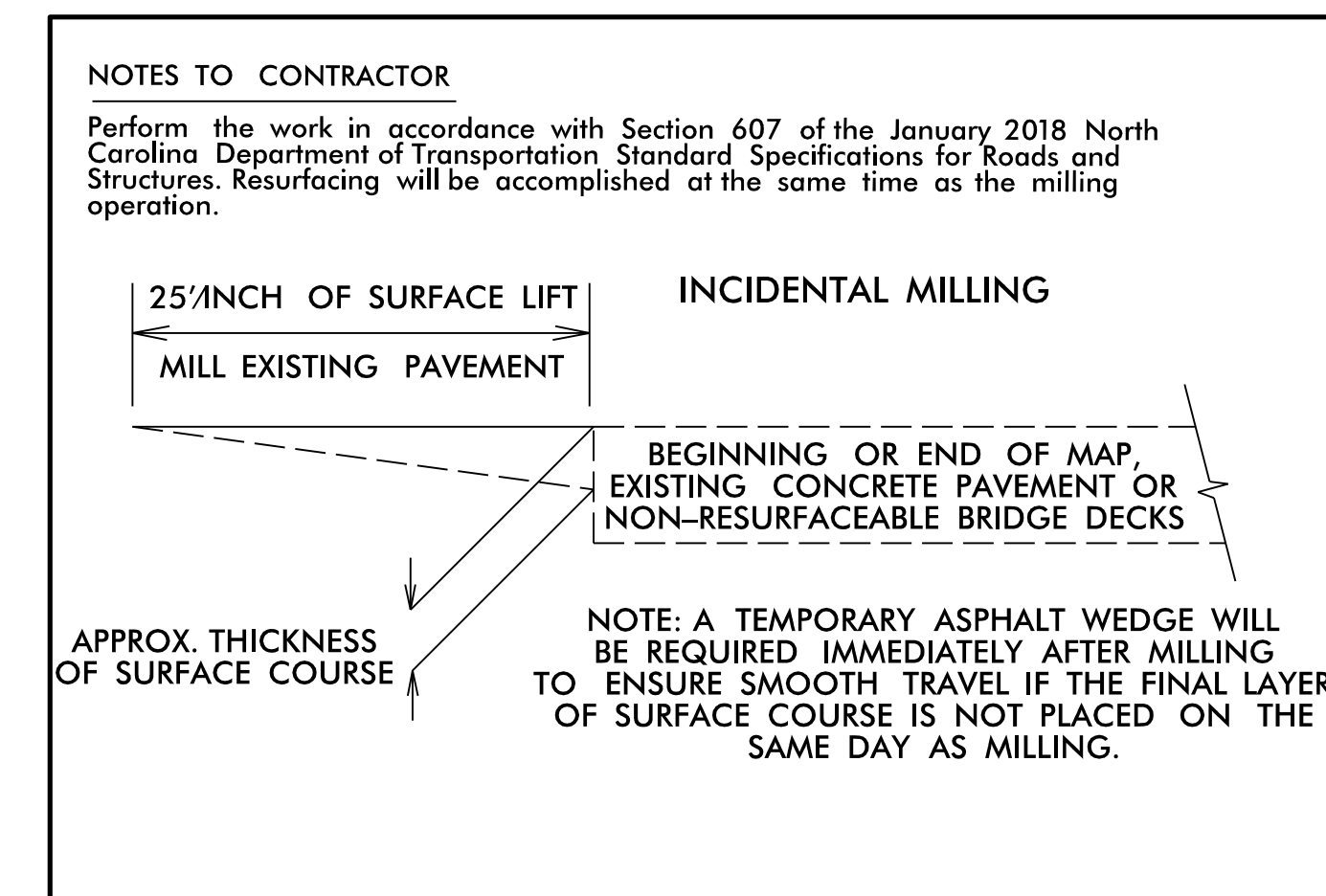
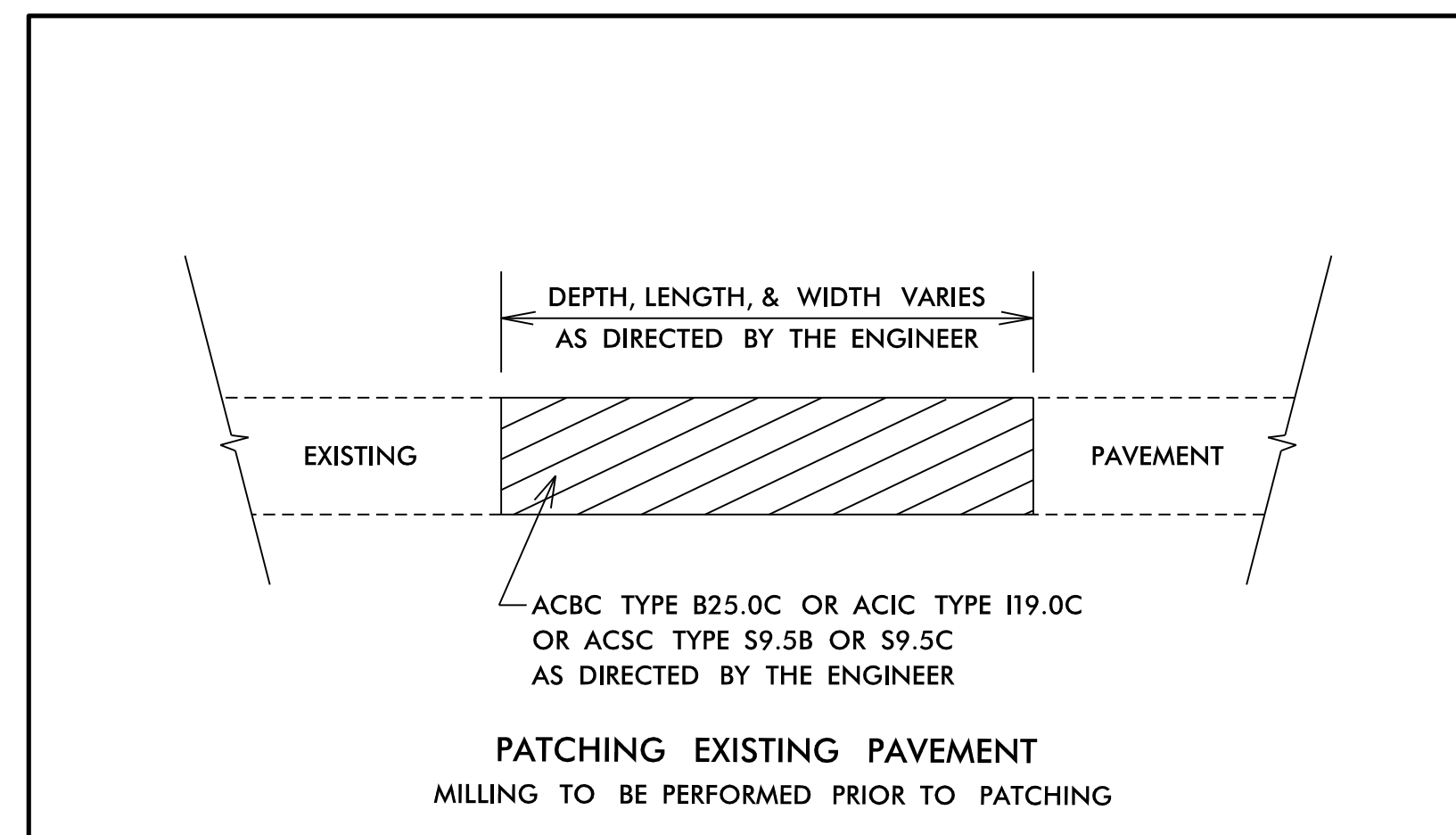
USE IN CONJUNCTION WITH TYPICAL SECTION NO. 5

- MAP 40 – LOMAS CT
- CURB AND GUTTER SECTION – 35' +/-
- MAP 44 – LIMESTONE CT
- CURB AND GUTTER SECTION – 43' +/-
- MAP 45 – S MERE CT
- CURB AND GUTTER SECTION – 45' +/-
- MAP 46 – BYWOOD CT
- CURB AND GUTTER SECTION – 42' +/-
- MAP 47 – TOPSFIELD CT
- CURB AND GUTTER SECTION – 50' +/-
- MAP 48 – UPLAND CT
- CURB AND GUTTER SECTION – 50' +/-
- MAP 49 – BROOKTON CT
- CURB AND GUTTER SECTION – 34' +/-

NOTE:
 AGGREGATE SHOULDER BORROW IS TO BE CONSIDERED A CONTINGENCY ITEM.
 EXACT QUANTITIES ARE NOT DETERMINED.
 USE AS NEEDED FOR SHOULDER TREATMENT.

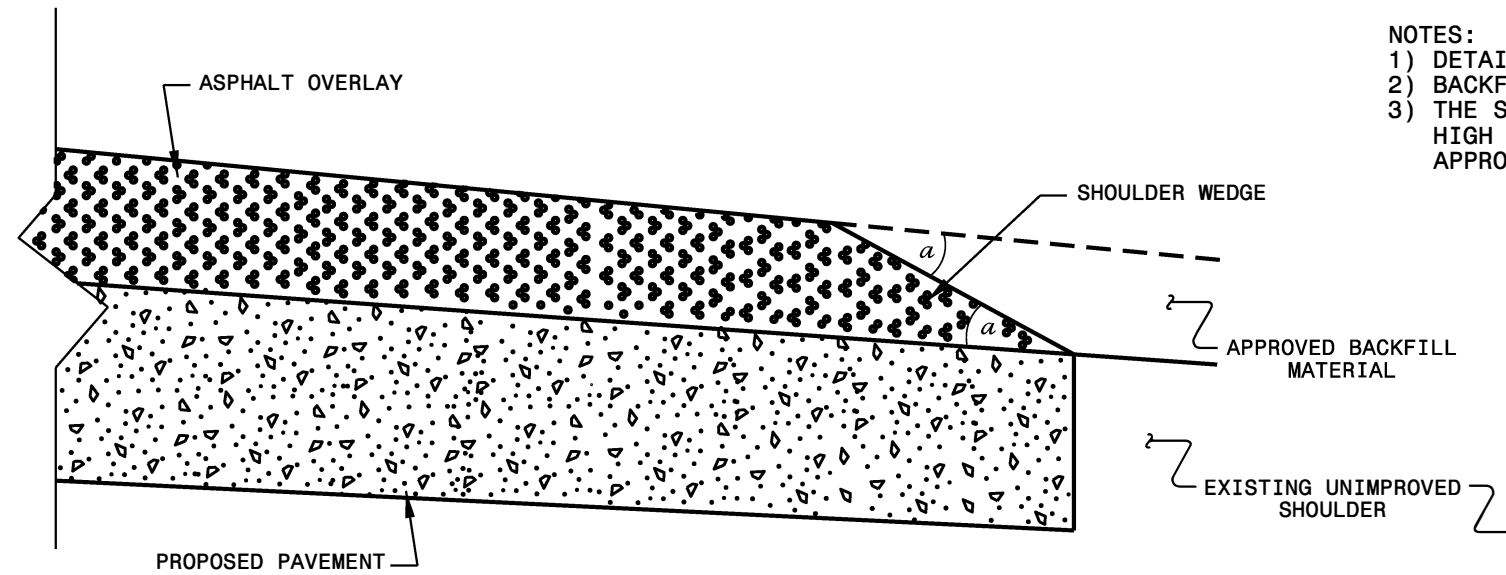
NOTES

ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.
 ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
 BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.



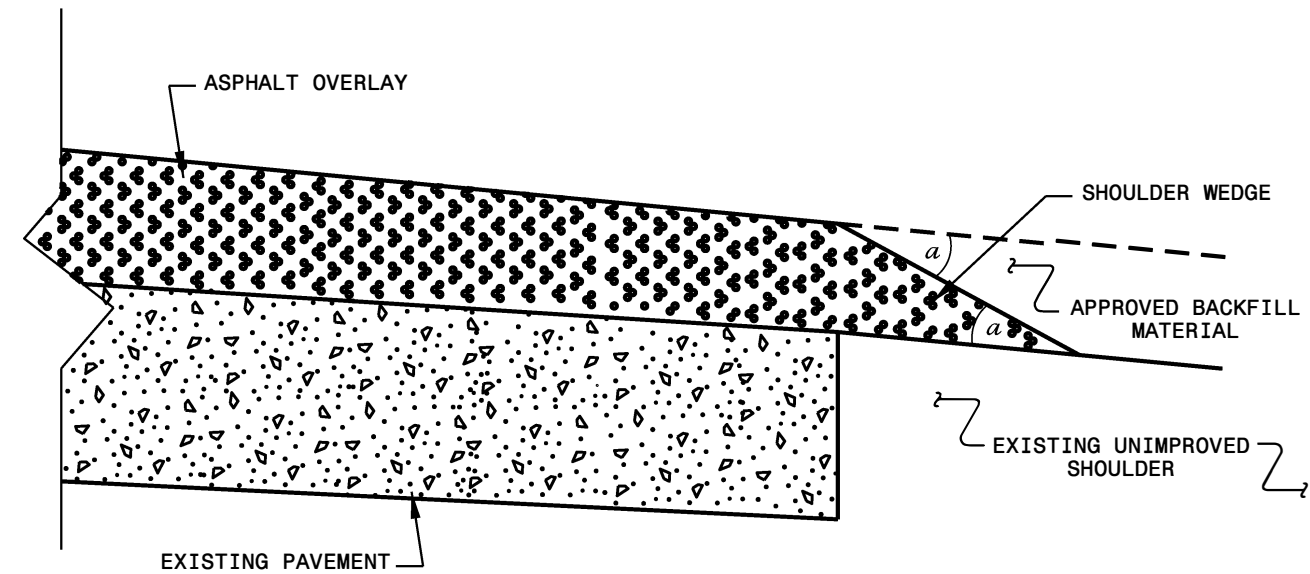
NOTES:

- 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.



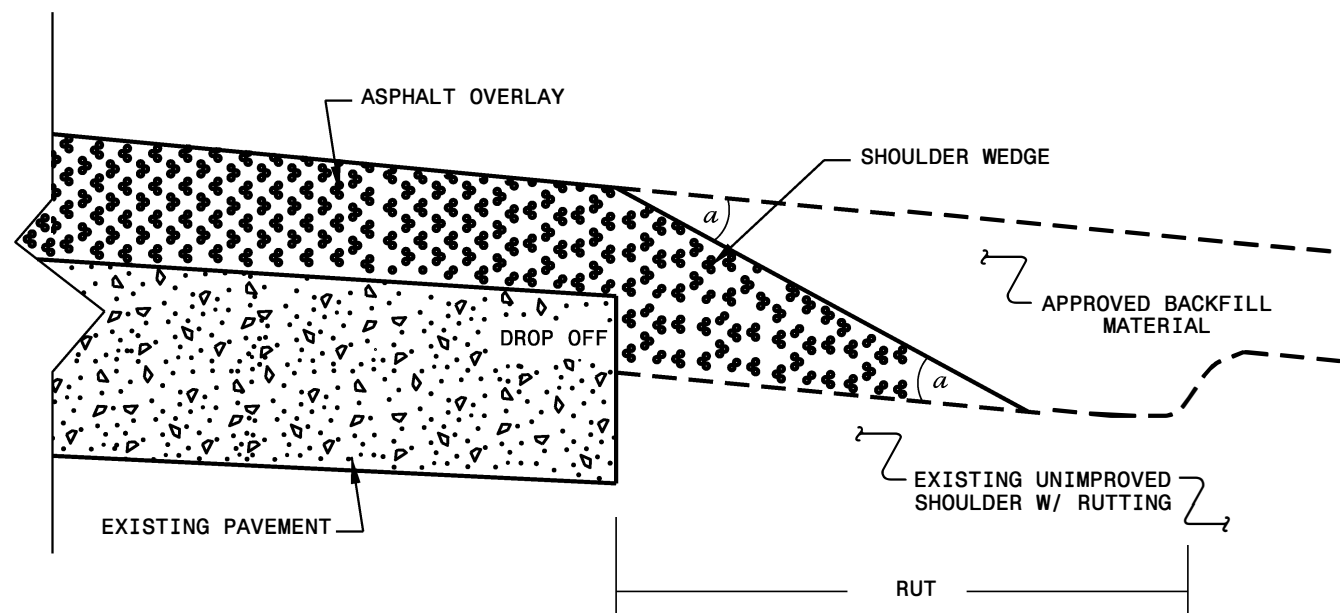
SHOULDER WEDGE DETAIL

(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	

2/2/16 JAN-2016 09:41
 S:\usr\details\stand\Resurfacing Projects\Division 4\1-5937 Wilson March 2016\Revised Shoulder Wedge Detail.dgn
 P:\p\er\al\CD\2016\2016

ADA SUMMARY OF QUANTITIES - TOTALS

Project	2024CPT.05.08.10921.1
Number:	2024CPT.05.08.20921.1
County:	Wake

Sheet No.
20

Project Number	County	Municipality	Resurfacing Route	4447000000-E (LF) Pedestrian Channelizing Devices	4600000000-N (EA) Generic Traffic Control Item - Pedestrian Transport Service	4600000000-N (EA) Generic Traffic Control Item - Audible Warning Device	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	4116100000-N (EA) Relocate Sign Type E	2738000000-E (SY) Remove and Replace Island	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2613000000-N (EA) Remove and Replace Curb Ramp	2759000000-N (EA) Remove Curb Ramp
North	Wake	Raleigh	Old Wake Forest Rd From SR 2000 To END MAINT				0	0	63	27	48	0	2	2	6	3	43	4
North	Wake	Raleigh	Lacy Ave/Second St From SR 2030 To END MAINT	60	10	2	0	0	0	0	15	1	0	0	0	0	4	0
North	Wake	Raleigh	Old Wake Forest Rd From SR 2015 To Cul-de-sac				0	0	0	0	0	0	0	0	0	0	3	0
North	Wake	Raleigh	Kings Grant Dr From SR 2000 To SR 4423				0	0	0	0	0	0	0	0	0	0	2	0
North	Wake	Wake Forest	NC 98 From Beg Div Hwy To Pavement Joint	60	10	2	20	1	45	24	9	0	1	0	0	3	7	0
GRAND TOTAL				120	20	4	20	1	108	51	72	1	3	2	6	6	59	4

ADA SUMMARY OF QUANTITIES - OLD WAKE FOREST RD FROM SR 2000 TO END MAINT

Municipality:	Raleigh
Project Number:	2024CPT.05.08.20921.1
County:	Wake

Sheet No.	21
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Ramp ID	Inset Map Number	Route 1	Route 2	015600000-E (SY) Removal of Existing Asphalt Pavement	170400000-E (TON) Patching Existing Pavement	254900000-E (LF) 2'-6" Concrete Curb & Gutter	259100000-E (SY) 4" Concrete Sidewalk	273800000-E (SY) Remove and Replace Sidewalk	283000000-N (EA) Adjustment of Manholes	284500000-N (EA) Adjustment of Meter Boxes or Valve Boxes	411610000-N (EA) Relocate Sign Type E	273800000-E (SY) Remove and Replace Island	275900000-N (EA) Retrofit Curb Ramp Detectable Warnings	261300000-N (EA) Remove and Replace Curb Ramp	275900000-N (EA) Remove Curb Ramp	Improvement Type
15345	1	SR-2000 (Falls Of Neuse Rd)	SR-2030 (Old Wake Forest Rd)											1		Type 2A - 848.06
15346	1	SR-2000 (Falls Of Neuse Rd)	SR-2030 (Old Wake Forest Rd)											1		Type 2A - 848.06
15347	1	SR-2000 (Wake Forest Rd)	SR-2030 (Old Wake Forest Rd)										1			Retrofit Warnings - 848.06
15349	1	SR-2000 (Wake Forest Rd)	SR-2030 (Old Wake Forest Rd)										1			Retrofit Warnings - 848.06
15350	2	SR-2030 (Old Wake Forest Rd)	Red Lobster (4408 Old Wake Forest Rd) Entrance					3						1		Type 1C - 848.06
15351	2	SR-2030 (Old Wake Forest Rd)	Red Lobster (4408 Old Wake Forest Rd) Entrance									3		1		Type 8 - 848.06
15352	2	SR-2030 (Old Wake Forest Rd)	Red Lobster (4408 Old Wake Forest Rd) Entrance									3		1		Type 8 - 848.06
15353	2	SR-2030 (Old Wake Forest Rd)	Red Lobster (4408 Old Wake Forest Rd) Entrance					3						1		Type 1C - 848.06
15354	3	SR-2030 (Old Wake Forest Rd)	North Market Dr											1		Type 1C - 848.06
15355	3	SR-2030 (Old Wake Forest Rd)	North Market Dr			15									1	Remove Ramp
15356	3	SR-2030 (Old Wake Forest Rd)	North Market Dr			15	9								1	Remove Ramp
15357	3	SR-2030 (Old Wake Forest Rd)	North Market Dr											1		Type 1D - 848.06
15371	3	SR-2030 (Old Wake Forest Rd)	Office Park Old Wake Forest Rd Back Entrance (4400 Falls of Neuse Rd)											1		Type 1 Modified - 848.06
15372	3	SR-2030 (Old Wake Forest Rd)	Office Park Old Wake Forest Rd Back Entrance (4400 Falls of Neuse Rd)											1		Type 1C - 848.06
15367	4	SR-2030 (Old Wake Forest Rd)	The Falls Center Old Wake Forest Rd Back Entrance (4500 Falls of Neuse Rd)					3						1		Type 1C - 848.06
15368	4	SR-2030 (Old Wake Forest Rd)	The Falls Center Old Wake Forest Rd Back Entrance (4500 Falls of Neuse Rd)											1		Type 8 - 848.06
15369	4	SR-2030 (Old Wake Forest Rd)	The Falls Center Old Wake Forest Rd Back Entrance (4500 Falls of Neuse Rd)											1		Type 8 - 848.06
15370	4	SR-2030 (Old Wake Forest Rd)	The Falls Center Old Wake Forest Rd Back Entrance (4500 Falls of Neuse Rd)					6			1			1		Type 1C - 848.06
15358	5	SR-2030 (Old Wake Forest Rd)	North Market Square North Entrance (4408 Old Wake Forest Rd)					3						1		Type 1C - 848.06
Sub-Total				0	0	30	9	18	0	0	1	6	2	15	2	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - OLD WAKE FOREST RD FROM SR 2000 TO END MAINT

Municipality:	Raleigh
Project Number:	2024CPT.05.08.20921.1
County:	Wake

Sheet No.	22
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Ramp ID	Inset Map Number	Route 1	Route 2	015600000-E (SY) Removal of Existing Asphalt Pavement	170400000-E (TON) Patching Existing Pavement	254900000-E (LF) 2'-6" Concrete Curb & Gutter	259100000-E (SY) 4" Concrete Sidewalk	273800000-E (SY) Remove and Replace Sidewalk	283000000-N (EA) Adjustment of Manholes	284500000-N (EA) Adjustment of Meter Boxes or Valve Boxes	411610000-N (EA) Relocate Sign Type E	273800000-E (SY) Remove and Replace Island	275900000-N (EA) Retrofit Curb Ramp Detectable Warnings	261300000-N (EA) Remove and Replace Curb Ramp	275900000-N (EA) Remove Curb Ramp	Improvement Type
15365	6	SR-2030 (Old Wake Forest Rd)	The Falls Center Old Wake Forest Rd South Service Entrance (4500 Falls of Neuse Rd)											1		Type 1 Modified - 848.06
15366	6	SR-2030 (Old Wake Forest Rd)	The Falls Center Old Wake Forest Rd South Service Entrance (4500 Falls of Neuse Rd)											1		Type 1 Modified - 848.06
15363	7	SR-2030 (Old Wake Forest Rd)	The Falls Center Old Wake Forest Rd North Service Entrance (4500 Falls of Neuse Rd)											1		Type 1C - 848.06
15364	7	SR-2030 (Old Wake Forest Rd)	The Falls Center Old Wake Forest Rd North Service Entrance (4500 Falls of Neuse Rd)					3						1		Type 1C - 848.06
15359	8	SR-2030 (Old Wake Forest Rd)	Pacific Dr											1		Type 1D - 848.06
15360	8	SR-2030 (Old Wake Forest Rd)	Pacific Dr			15	9								1	Remove Ramp
15361	8	SR-2030 (Old Wake Forest Rd)	Pacific Dr			18	9								1	Remove Ramp
15362	8	SR-2030 (Old Wake Forest Rd)	Pacific Dr							1				1		Type 1D - 848.06
15387	9	SR-2030 (Old Wake Forest Rd)	Sunbow Falls Ln					6						1		Type 2B - 848.06
15388	9	SR-2030 (Old Wake Forest Rd)	Sunbow Falls Ln											1		Type 8 - 848.06
15389	9	SR-2030 (Old Wake Forest Rd)	Sunbow Falls Ln					3						1		Type 8 - 848.06
15390	9	SR-2030 (Old Wake Forest Rd)	Sunbow Falls Ln					3						1		Type 1C - 848.06
15385	10	SR-2030 (Old Wake Forest Rd)	Social Security Administration (4701 Old Wake Forest Rd)					3						1		Type 1 Modified - 848.06
15386	10	SR-2030 (Old Wake Forest Rd)	Social Security Administration (4701 Old Wake Forest Rd)											1		Type 1 Modified - 848.06
15383	11	SR-2030 (Old Wake Forest Rd)	Zachary Brook Ln											1		Type 1B - 848.06
15384	11	SR-2030 (Old Wake Forest Rd)	Zachary Brook Ln					3						1		Type 1 Modified - 848.06
15381	12	SR-2030 (Old Wake Forest Rd)	Millbrook United Methodist Church Back Entrance (1712 E Millbrook Rd)										1			Retrofit Warnings - 848.06
15382	12	SR-2030 (Old Wake Forest Rd)	Millbrook United Methodist Church Back Entrance (1712 E Millbrook Rd)											1		Type 1 Modified - 848.06
5370	13	SR-2030 (Old Wake Forest Rd)	SR-2018 (E Millbrook Rd)											1		Type 3 Modified - 848.06
5372	13	SR-2030 (Old Wake Forest Rd)	SR-2018 (E Millbrook Rd)											1	2	Type 2B - 848.06
Sub-Total				0	0	33	18	21	0	1	0	0	1	17	2	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - OLD WAKE FOREST RD FROM SR 2000 TO END MAINT

Municipality:	Raleigh
Project Number:	2024CPT.05.08.20921.1
County:	Wake

Sheet No.	23
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Ramp ID	Inset Map Number	Route 1	Route 2	015600000-E (SY) Removal of Existing Asphalt Pavement	170400000-E (TON) Patching Existing Pavement	254900000-E (LF) 2'-6" Concrete Curb & Gutter	259100000-E (SY) 4" Concrete Sidewalk	273800000-E (SY) Remove and Replace Sidewalk	283000000-N (EA) Adjustment of Manholes	284500000-N (EA) Adjustment of Meter Boxes or Valve Boxes	411610000-N (EA) Relocate Sign Type E	273800000-E (SY) Remove and Replace Island	275900000-N (EA) Retrofit Curb Ramp Detectable Warnings	261300000-N (EA) Remove and Replace Curb Ramp	275900000-N (EA) Remove Curb Ramp	Improvement Type
5375	13	SR-2018 (E Millbrook Rd)	SR-2030 (Old Wake Forest Rd)					3						1		Standard - 848.06
5376	13	SR-2030 (Old Wake Forest Rd)	SR-2018 (E Millbrook Rd)							1				1		Type 3 Modified - 848.06
5412	13	SR-2030 (Old Wake Forest Rd)	SR-2018 (E Millbrook Rd)											1		Type 1A - 848.06
13293	14	SR-2030 (Old Wake Forest Rd)	1705 East Wedding Venue (1705 E Millbrook Rd)					3						1		Type 1C - 848.06
13294	14	SR-2030 (Old Wake Forest Rd)	1705 East Wedding Venue (1705 E Millbrook Rd)											1		Type 1C - 848.06
13295	14	SR-2030 (Old Wake Forest Rd)	Tiffany Bay Ct											1		Type 1C - 848.06
13296	14	SR-2030 (Old Wake Forest Rd)	Tiffany Bay Ct								1			1		Type 1B - 848.06
13297	15	SR-2030 (Old Wake Forest Rd)	Cadence North Raleigh (5219 Old Wake Forest Rd) Entrance											1		Type 1 Modified - 848.06
13298	15	SR-2030 (Old Wake Forest Rd)	Cadence North Raleigh (5219 Old Wake Forest Rd) Entrance											1		Type 1 Modified - 848.06
13299	16	SR-2030 (Old Wake Forest Rd)	Hodges Creek Dr					3						1		Type 1C - 848.06
13300	16	SR-2030 (Old Wake Forest Rd)	Hodges Creek Dr											1		Type 1C - 848.06
Sub-Total				0	0	0	0	9	0	1	1	0	0	11	0	
Sub-Total for Old Wake Forest Rd From SR 2000 To END MAINT				0	0	63	27	48	0	2	2	6	3	43	4	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - LACY AVE/SECOND ST FROM SR 2030 TO END MAINT

Municipality:	Raleigh
Project Number:	2024CPT.05.08.20921.1
County:	Wake

Sheet No.
24

Ramp ID	Inset Map Number	Route 1	Route 2	015600000-E (SY) Removal of Existing Asphalt Pavement	170400000-E (TON) Patching Existing Pavement	254900000-E (LF) 2'-6" Concrete Curb & Gutter	259100000-E (SY) 4" Concrete Sidewalk	273800000-E (SY) Remove and Replace Sidewalk	283000000-N (EA) Adjustment of Manholes	284500000-N (EA) Adjustment of Meter Boxes or Valve Boxes	411610000-N (EA) Relocate Sign Type E	273800000-E (SY) Remove and Replace Island	275900000-N (EA) Retrofit Curb Ramp Detectable Warnings	261300000-N (EA) Remove and Replace Curb Ramp	275900000-N (EA) Remove Curb Ramp	Improvement Type
5380	1	SR-2108 (E Millbrook Rd)	SR-2033 (Lacy Ave)					3						1		Type 1 Modified - 848.06
5382	1	SR-2108 (E Millbrook Rd)	SR-2033 (Lacy Ave)					3						1		Type 1C - 848.06
5383	1	SR-2108 (E Millbrook Rd)	SR-2033 (Lacy Ave)											1		Type 1A - 848.06
5385	1	SR-2108 (E Millbrook Rd)	SR-2033 (Lacy Ave)					9	1					1		Type 1A - 848.06
Sub-Total for Lacy Ave/Second St From SR 2030 To END MAINT				0	0	0	0	15	1	0	0	0	0	4	0	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - OLD WAKE FOREST RD FROM SR 2015 TO CUL-DE-SAC

Municipality:	Raleigh
Project Number:	2024CPT.05.08.20921.1
County:	Wake

Sheet No.
25

Ramp ID	Inset Map Number	Route 1	Route 2	015600000-E (SY) Removal of Existing Asphalt Pavement	170400000-E (TON) Patching Existing Pavement	254900000-E (LF) 2'-6" Concrete Curb & Gutter	259100000-E (SY) 4" Concrete Sidewalk	273800000-E (SY) Remove and Replace Sidewalk	283000000-N (EA) Adjustment of Manholes	284500000-N (EA) Adjustment of Meter Boxes or Valve Boxes	411610000-N (EA) Relocate Sign Type E	273800000-E (SY) Remove and Replace Island	275900000-N (EA) Retrofit Curb Ramp Detectable Warnings	261300000-N (EA) Remove and Replace Curb Ramp	275900000-N (EA) Remove Curb Ramp	Improvement Type
25456	1	SR-3555 (Old Wake Forest Rd)	BP Gas Station (5620 Atlantic Ave) Old Wake Forest Rd Entrance											1		Type 1 Modified - 848.06
25457	1	SR-3555 (Old Wake Forest Rd)	BP Gas Station (5620 Atlantic Ave) Old Wake Forest Rd Entrance											1		Type 1 Modified - 848.06
25455	2	SR-3555 (Old Wake Forest Rd)	End of Cul-De-Sac											1		Type 1A - 848.06
Sub-Total for Old Wake Forest Rd From SR 2015 To Cul-de-sac				0	0	0	0	0	0	0	0	0	0	3	0	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - KINGS GRANT DR FROM SR 2000 TO SR 4423

Municipality:	Raleigh
Project Number:	2024CPT.05.08.20921.1
County:	Wake

Sheet No.
26

Ramp ID	Inset Map Number	Route 1	Route 2	015600000-E (SY) Removal of Existing Asphalt Pavement	170400000-E (TON) Patching Existing Pavement	254900000-E (LF) 2'-6" Concrete Curb & Gutter	259100000-E (SY) 4" Concrete Sidewalk	273800000-E (SY) Remove and Replace Sidewalk	283000000-N (EA) Adjustment of Manholes	284500000-N (EA) Adjustment of Meter Boxes or Valve Boxes	411610000-N (EA) Relocate Sign Type E	273800000-E (SY) Remove and Replace Island	275900000-N (EA) Retrofit Curb Ramp Detectable Warnings	261300000-N (EA) Remove and Replace Curb Ramp	275900000-N (EA) Remove Curb Ramp	Improvement Type
11500	1	SR-2000 (Falls Of Neuse Rd)	SR-4423 (Kings Grant Dr)											1		Type 1C - 848.06
11501	1	SR-2000 (Falls Of Neuse Rd)	SR-4423 (Kings Grant Dr)											1		Type 1C - 848.06
Sub-Total for Kings Grant Dr From SR 2000 To SR 4423				0	0	0	0	0	0	0	0	0	0	2	0	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - NC 98 FROM BEG DIV HWY TO PAVEMENT JOINT

Municipality:	Wake Forest
Project Number:	2024CPT.05.08.10921.1
County:	Wake

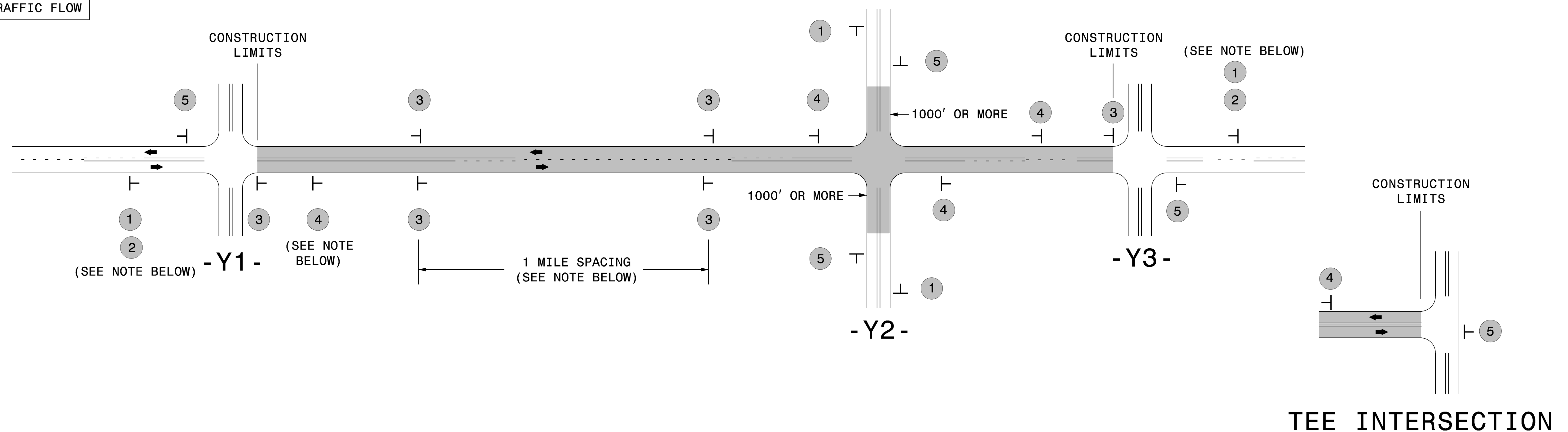
Sheet No.
27

Ramp ID	Inset Map Number	Route 1	Route 2	015600000-E (SY) Removal of Existing Asphalt Pavement	170400000-E (TON) Patching Existing Pavement	254900000-E (LF) 2'-6" Concrete Curb & Gutter	259100000-E (SY) 4" Concrete Sidewalk	273800000-E (SY) Remove and Replace Sidewalk	283000000-N (EA) Adjustment of Manholes	284500000-N (EA) Adjustment of Meter Boxes or Valve Boxes	411610000-N (EA) Relocate Sign Type E	273800000-E (SY) Remove and Replace Island	275900000-N (EA) Retrofit Curb Ramp Detectable Warnings	261300000-N (EA) Remove and Replace Curb Ramp	275900000-N (EA) Remove Curb Ramp	Improvement Type
1711	1	US-1 ALT (S Main St)	NC-98 (Dr Calvin Jones Hwy)											1		Standard - 848.06
1712	1	US-1 ALT (S Main St)	NC-98 (Dr Calvin Jones Hwy)				2									Other
1714	1	US-1 ALT (S Main St)	NC-98 (Dr Calvin Jones Hwy)					9						1		Standard - 848.06
2272	2	NC-98 (Dr Calvin Jones Hwy)	S Franklin St										1			Retrofit Warnings - 848.06
2274	2	NC-98 (Dr Calvin Jones Hwy)	S Franklin St										1			Retrofit Warnings - 848.06
25638	2	NC-98 (Dr Calvin Jones Hwy)	S Franklin St	4			4							1		Type 7 - 848.06
25637	2	NC-98 (Dr Calvin Jones Hwy)	S Franklin St	4			4							1		Type 7 - 848.06
25439	3	NC-98 (Dr Calvin Jones Hwy)	SR-5144 (Heritage Lake Rd)	7			9						1			Retrofit Warnings - 848.06
25642	3	NC-98 (Dr Calvin Jones Hwy)	SR-5144 (Heritage Lake Rd)	5	1	45	5							1		Type 1A - 848.06
2162	4	NC-98 (Dr Calvin Jones Hwy)	Gateway Commons Cir											1		Type 4B - 848.06
2163	4	NC-98 (Dr Calvin Jones Hwy)	Gateway Commons Cir							1				1		Type 4B - 848.06
Sub-Total for NC 98 From Beg Div Hwy To Pavement Joint				20	1	45	24	9	0	1	0	0	3	7	0	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

SIGNING FOR RESURFACING PROJECTS

LEGEND
 ┣ STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW



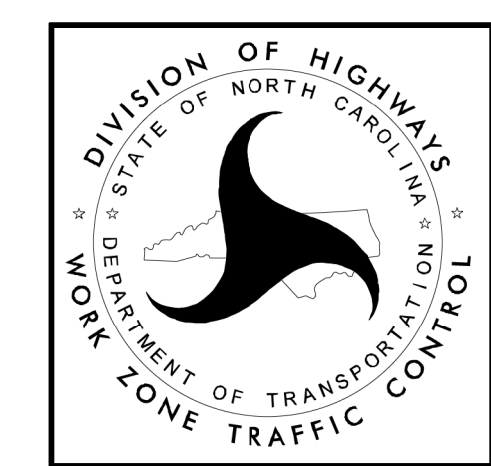
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> LESS THAN 1000' OF RESURFACING ALONG -Y- LINE SUBDIVISION ROADS DEAD END ROADS <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div> PLACED 500' IN ADVANCE OF FLAGGER. </div> <div> PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
		<p>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</p> <p>- AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</p>	
		<p>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.</p> <p>- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</p> <p>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</p> <p>- FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH.</p> <p>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p> <p>- FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</p>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</p>	
	<p>THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.</p>		

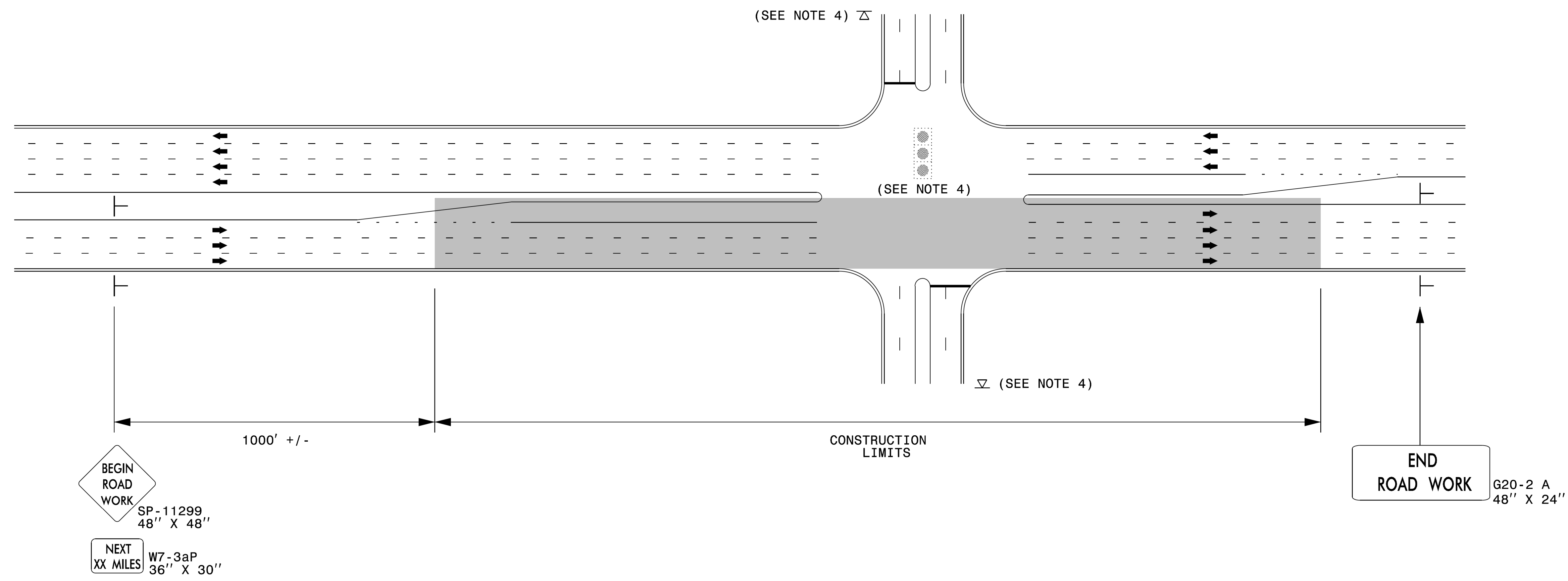
MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

URBAN / SUBURBAN WORKZONES



NOTES:

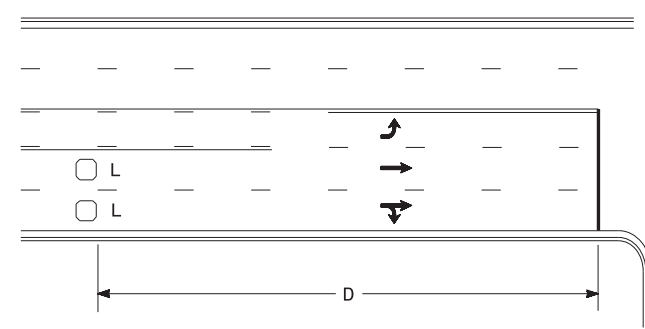
- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND	
├	STATIONARY SIGN
➔	DIRECTION OF TRAFFIC FLOW

	RESURFACING ADVANCE WARNING SIGNS FOR URBAN / SUBURBAN FACILITIES
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4/8/2015
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 User:rmgarrett

High Speed Detection (≥40 mph)

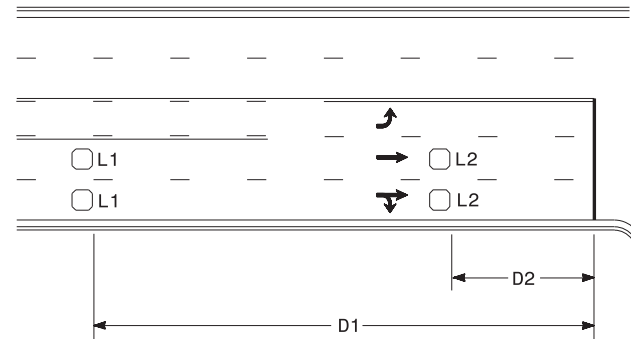


Speed Limit mph	D ft
40	250
45	300
50	355
55	420

L = 6ft X 6ft
Wired separately

Volume Density Operation

OR

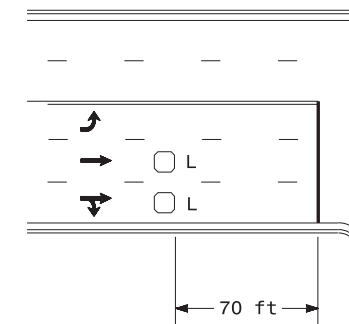


Speed Limit mph	D1 ft	D2 ft
40	250	80
45	300	90
50	355	100
55	420	110

L1 = 6ft X 6ft
Wired in series
L2 = 6ft X 6ft
Wired in series

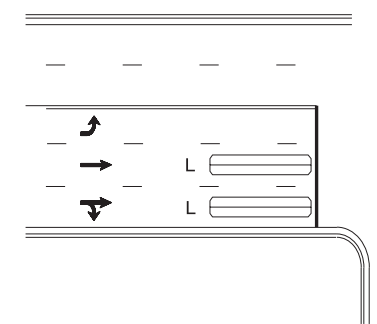
"Stretch" Operation

Low Speed Detection (≤35 mph)



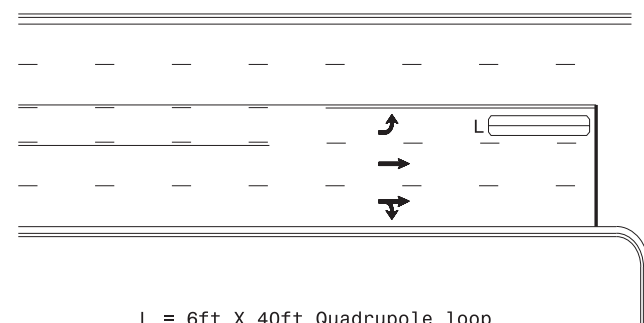
L = 6ft X 6ft
Wired in series

OR



L = 6ft X 40ft
Quadrupole loop, wired separately

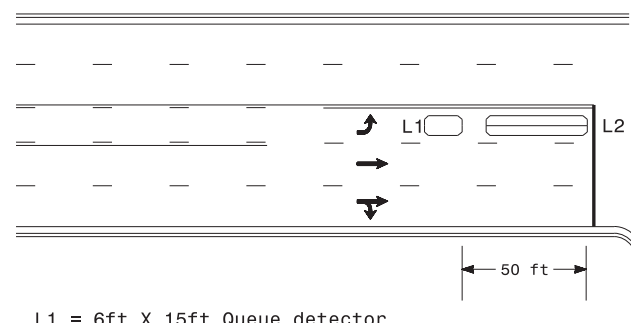
Left Turn Lane Detection



L = 6ft X 40ft Quadrupole loop

Presence Loop Detection

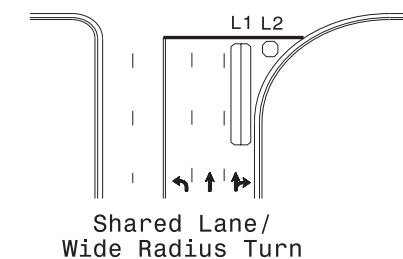
OR



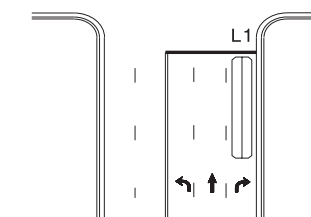
L1 = 6ft X 15ft Queue detector
L2 = 6ft X 40ft Quadrupole loop

Queue Loop Detection

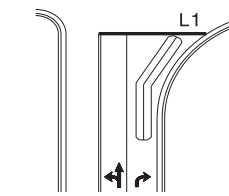
Right Turn Lane Detection



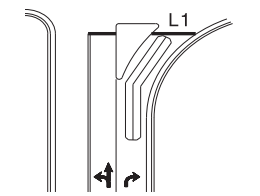
L1 = 6ft X 40ft Quadrupole loop
L2 = 6ft X 6ft [Minimum] Presence loop
Wired separately



Standard Turn

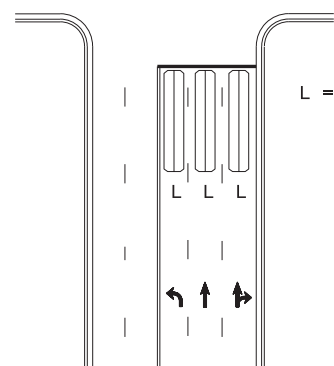


Wide Radius Turn



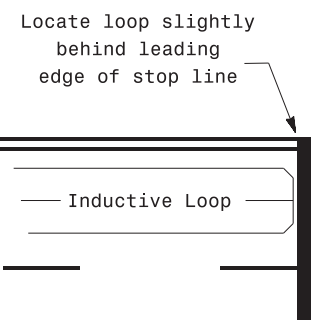
Channelized Turn

Side Street Detection



L = 6ft X 40ft
Quadrupole loop
Wired to separate
detectors/channels

Presence Loop Placement at Stop Lines



Note:
Loop may be located in advance of stop line under any of the following conditions:
1) stop line is greater than 15' from edge of intersecting roadway
2) loop detects a permissive or protected/permissive left turn
3) for an exclusive right turn lane

Recommended Number of Turns

Single 6' X 6' loop
(when wired separately):

Length of Lead-in ft	Number of Turns
< 250	3
250-375	4
375-525	5
> 525	6

Quadrupole loops: Use 2-4-2 turns

6' X 15' Loops:
Lead-in < 150', use 2 turns
Lead-in > 150', use 3 turns

750 N. Greenfield Pkwy, Garner, NC 27529

Prepared In the Offices of:

TRANSPORTATION MOBILITY AND SAFETY DIVISION
STATE OF NORTH CAROLINA
SIGNAL DESIGN SECTION

SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
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JASON P. GALLOWAY

Typical Signal Loop Locations	
PLAN DATE: September 2020	REVIEWED BY: JPG
PREPARED BY: PLA	REVIEWED BY:
SCALE: N/A	REVISIONS: INIT. DATE

9/8/2020
DATE
SIG. INVENTORY NO.

09-SEP-2020 11:54 S:\17525\17525\SIGNAL\Signal Design Section\Eastern Region\Loop Typo\cal\looptypocal2015.dgn JGallaway