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TIP PROJECT: BO-2407A

CONTRACT: DG00660

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CASWELL, GUILFORD, ORANGE AND ROCKINGHAM COUNTIES

LOCATION: *VARIOUS INTERSECTIONS IN
CASWELL, GUILFORD, ORANGE AND ROCKINGHAM COUNTY*
TYPE OF WORK: *INSTALLATION OF ADA COMPLIANT CURB RAMPS*

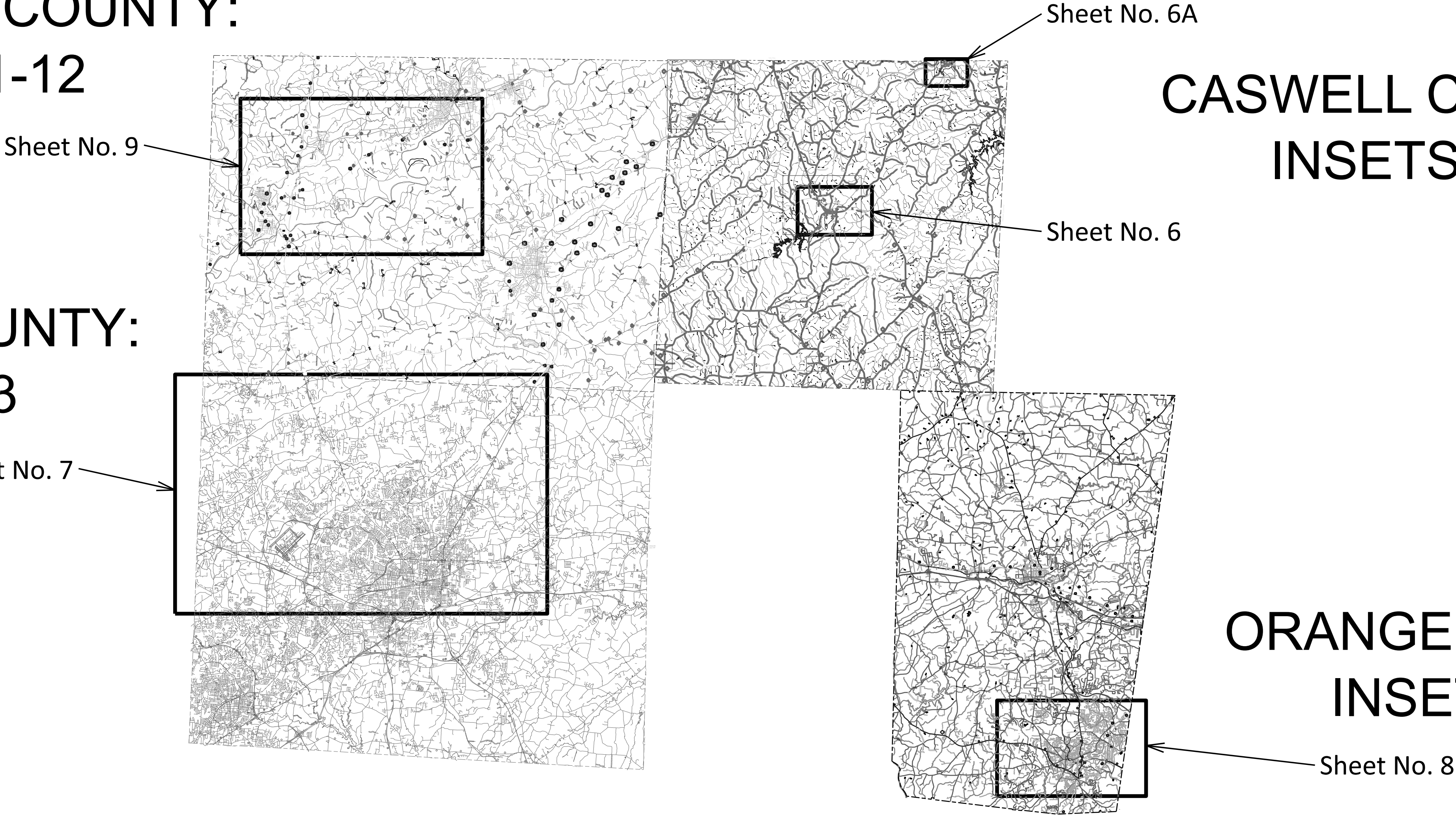
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BO-2407A	1	X
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
50936.1.2	5093601	P.E.	
50936.2.1		ROW	
50936.1.3		UTIL.	
50936.3.3	5093603	CONST.	

ROCKINGHAM COUNTY:
INSETS 1-12

CASWELL COUNTY:
INSETS 1-4

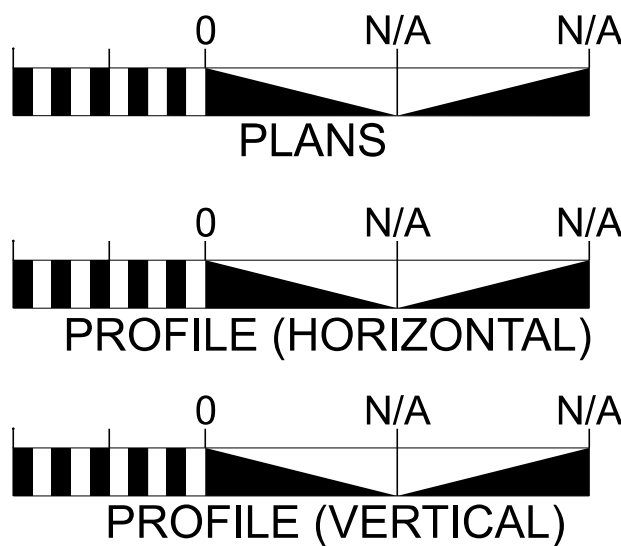
GUILFORD COUNTY:
INSETS 1-3

ORANGE COUNTY:
INSETS 1-4



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UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

PROJECT LENGTH

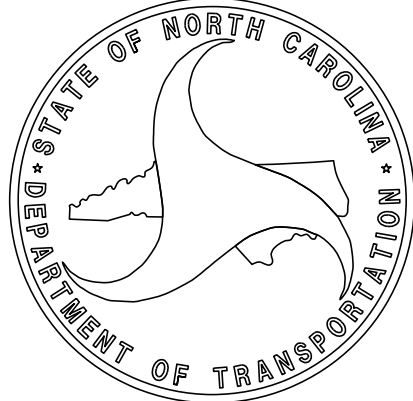
Prepared in the Office of:
DIVISION 7 DDC UNIT
1584 YANCEYVILLE STREET, GREENSBORO, NC 27405
2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A

LETTING DATE: June 19, 2025

BONNIE L. CAUDILL
PROJECT ENGINEER

TRUNG T. NGUYEN P.E.
PROJECT DESIGN ENGINEER



INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
2	CASWELL SUMMARY OF QUANTITIES
3	GUILFORD SUMMARY OF QUANTITIES
4	ORANGE SUMMARY OF QUANTITIES
5	ROCKINGHAM SUMMARY OF QUANTITIES
6 THRU 6A	CASWELL VICINITY MAP
6B	CASWELL INSETS
7	GUILFORD VICINITY MAP
7A	GUILFORD INSETS
8	ORANGE VICINITY MAP
8A	ORANGE INSETS
9	ROCKINGHAM VICINITY MAP
9A THRU 9C	ROCKINGHAM INSETS
EC-1 THRU EC-3	EROSION CONTROL PLANS
S-1 THRU S-4	STANDARD DRAWINGS ADDENDUM

GENERAL NOTES:

2024 SPECIFICATIONS
EFFECTIVE: 01-16-2024
REVISED:

DRIVEWAYS:

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DRIVEWAY APRON
DETAIL 1 ON SHEET S-3, OR AS DIRECTED BY THE ENGINEER.

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.03
AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD
MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT
AS SHOWN ON THE PLANS.

CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS.
CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.06.

EFF. 01-16-2024
REV.
2024 ROADWAY ENGLISH STANDARD DRAWINGS

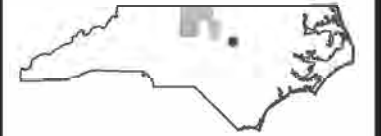
The following Roadway Standards as appear in "Roadway Standard Drawings" Contracts Standards and Development Unit -
N. C. Department of Transportation - Raleigh, N. C., Dated January 16, 2024 are applicable to this project
and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
654.01	Pavement Repairs
DIVISION 8 - INCIDENTALS	
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk (Use Detail in Lieu of Standard for Sheet 1 of 1)
848.02	Driveway Turnout - Radius Type
848.03	Driveway Turnout - Drop Curb Type
848.06	Curb Ramp (Use Details in Lieu of Standards for Sheets 9 and 10 of 13)

80-2407A

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NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



DIVISION 7
ROADWAY DESIGN
ENGINEER

PREPARED BY



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

REVISIONS

BO-2407 SUMMARY OF QUANTITIES - CASWELL COUNTY																																				
						1491000000-E	1519000000-E	1575000000-E	2549000000-E	2591000000-E	2605000000-N	2612300000-N	2612500000-N	27381000000-E	27381000000-E	27530000000-E	27600000000-N	2761000000-E	2761000000-E	28300000000-N	28450000000-N	41161000000-N	44470000000-E	44570000000-N	46000000000-N	46880000000-E	46950000000-E	47090000000-E	48600000000-E	48700000000-E	6000000000-E	6071010000-E	60840000000-E			
Municipality	INTERSECTION NO.	RAMP ID	Intersection	SHEET NO.	INSET	ASPHALT CONC BASE COURSE, TYPE B25.0C	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	ASPHALT BINDER FOR PLANT MIX	2'-6" CONCRETE CURB AND GUTTER	4" CONCRETE SIDEWALK	CONCRETE CURB RAMPS	RETROFIT EXISTING CONCRETE CURB RAMP	REMOVE & REPLACE CONCRETE CURB RAMPS	REMOVE BRICK PAVERS	REINSTALL BRICK PAVERS	REMOVE 2'-6" CONCRETE CURB AND GUTTER	REMOVE CONCRETE CURB RAMPS	REMOVE 4" CONCRETE SIDEWALK	6" CONCRETE DRIVEWAY CURB RAMP	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER BOXES OR VALVE BOXES	SIGN ERECTION, RELOCATE, TYPE "E" (GROUND MOUNTED)	PEDESTRIAN CHANNELIZING DEVICES	TEMPORARY TRAFFIC CONTROL	PEDESTRIAN TEMPORARY CURB RAMP	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	REMOVAL OF PAVEMENT MARKING LINES (8")	REMOVAL OF PAVEMENT MARKING LINES (24")	TEMPORARY SILT FENCE	WATTLE	SEEDING & MULCHING	TYPE	NOTES	
						TONS	TONS	TONS	LF	SY	EA	EA	EA	SF	SF	LF	EA	SY	SY	EA	EA	EA	EA	LS	EA	LF	LF	LF	LF	LF	LF	LF	ACR			
ALL COUNTIES																							450	1	1											
Yanceyville	1450	1450B	SR-1163 (Main St) & SR-1613 (Court Sq)	6B	1	2	4			2.78							1	2.78	6.22		1											104	104	1	DRIVEWAY APRON DETAIL 1	
Yanceyville	1450	1450C	SR-1163 (Main St) & SR-1613 (Court Sq)	6B	1					5.56							1	5.56	6.22																DRIVEWAY APRON DETAIL 1	
Yanceyville	1450	1450D	SR-1163 (Main St) & SR-1613 (Court Sq)	6B	2					2.78							1	2.78	5.72																DRIVEWAY APRON DETAIL 1	
Yanceyville	1450	1450E	SR-1163 (Main St) & SR-1613 (Court Sq)	6B	2					2.78							1	2.78	5.72		1														DRIVEWAY APRON DETAIL 1	Adjust unknown valve.
TOTAL FOR INTERSECTION NO. 1450						2	4			13.9							4	13.9	23.88		2											104	104	1		
Yanceyville	1454	1454A	SR-1163 (E Main) & SR-1788 (Murphy St)	6B	3				23				1								2														TYPE 1 MOD	Adjust gas valves
Yanceyville	1454	1454B	SR-1163 (E Main) & SR-1788 (Murphy St)	6B	3								1									1													TYPE 1 MOD	
TOTAL FOR INTERSECTION NO. 1454									23				2								2	1														
Milton	3061	3061A	NC-62 (Academy St) & NC-57 (Broad St)	6B	4				30	16.67			1					16.67				1					40		170						STD 848.06	
Milton	3061	3061B	NC-62 (Academy St) & NC-57 (Broad St)	6B	4	6	1		36	17.77	1							17.77				1					46								STD 848.06	
TOTAL FOR INTERSECTION NO. 3061						6	1		66	34.44	1		1					34.44				2					86		170							
Grand Total						8	5		89	48.34	1		3				4	48.34	23.88		4	3	450	1	1	86		170				104	104	1		
								SUBTOTAL OF ALL RAMPS			8																									

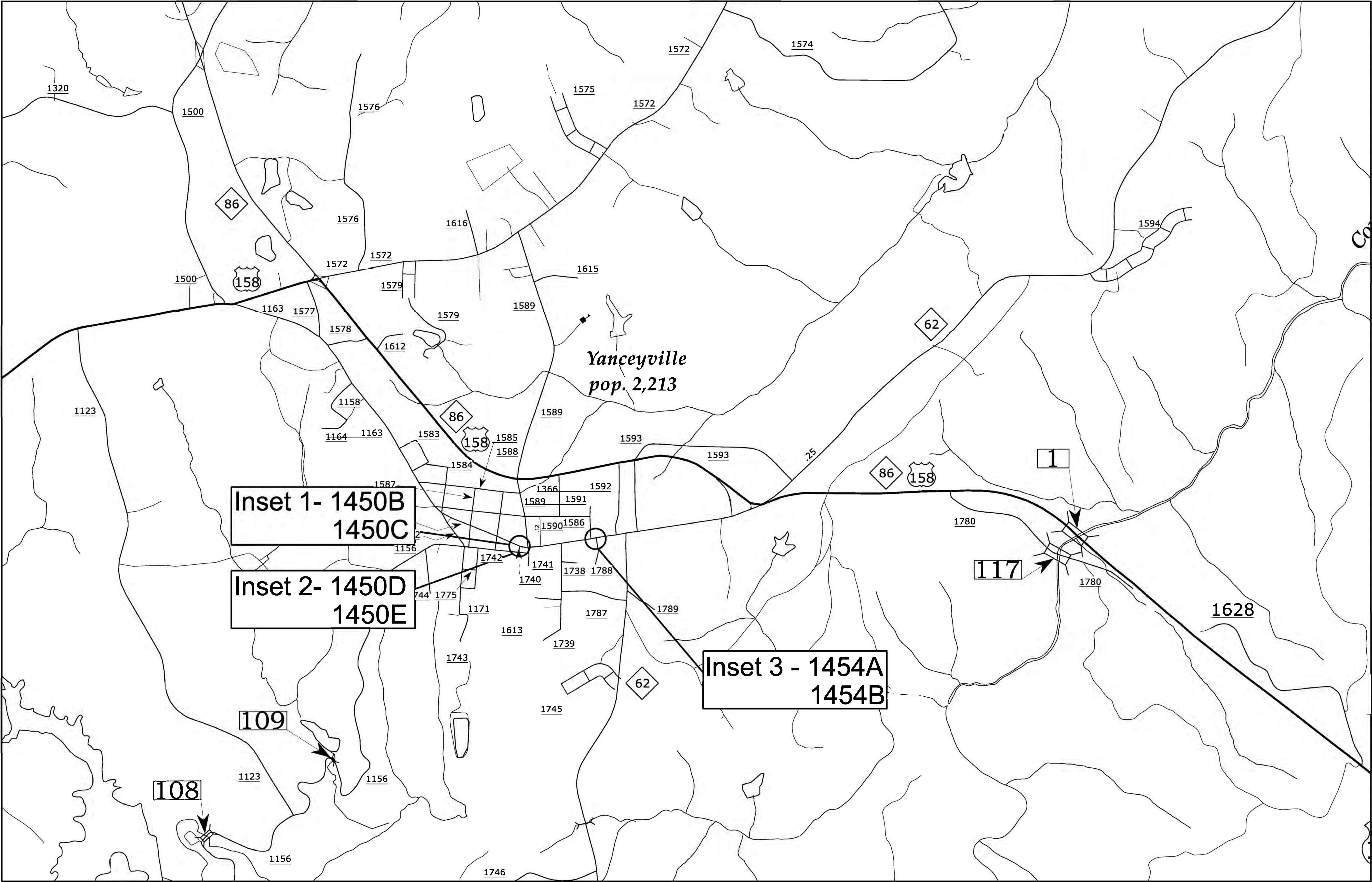
BO-2407 SUMMARY OF QUANTITIES - GUILFORD COUNTY																																					
						1491000000-E	1519000000-E	1575000000-E	2549000000-E	2591000000-E	2695000000-N	2612300000-N	2612500000-N	27381000000-E	27381000000-E	2753000000-E	2760000000-N	2761000000-E	2761000000-E	2830000000-N	2845000000-N	4116100000-N	4447000000-E	4457000000-N	4600000000-N	4688000000-E	4695000000-E	47090000000-E	4860000000-E	4870000000-E	6000000000-E	6071010000-E	6084000000-E				
Municipality	INTERSECTION NO.	RAMP ID	Intersection	SHEET NO.	INSET	ASPHALT CONC BASE COURSE, TYPE B25.0C	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	ASPHALT BINDER FOR PLANT MIX	2'-6" CONCRETE CURB AND GUTTER	4" CONCRETE SIDEWALK	CONCRETE CURB RAMPS	RETROFIT EXISTING CONCRETE CURB RAMP	REMOVE & REPLACE CONCRETE CURB RAMPS	REMOVE BRICK PAVERS	REINSTALL BRICK PAVERS	REMOVE 2'-6" CONCRETE CURB AND GUTTER	REMOVE CONCRETE CURB RAMPS	REMOVE 4" CONCRETE SIDEWALK	6" CONCRETE DRIVEWAY CURB RAMP	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER BOXES OR VALVE	SIGN ERECTION, RELOCATE, TYPE "E" (GROUND MOUNTED)	PEDESTRIAN CHANNELIZING DEVICES	TEMPORARY TRAFFIC CONTROL	PEDESTRIAN TEMPORARY CURB RAMP	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	REMOVAL OF PAVEMENT MARKING LINES (6")	REMOVAL OF PAVEMENT MARKING LINES (24")	TEMPORARY SILT FENCE	WATTLE	SEEDING & MULCHING	TYPE	NOTES		
						TONS	TONS	TONS	LF	SY	EA	EA	EA	SF	SF	LF	EA	SY	SY	EA	EA	EA	LF	LS	EA	LF	LF	LF	LF	LF	LF	LF	ACR				
High Point	2049	2049A	SR-1836 (Willard Dairy Rd) & Penny Rd	7A	1		5		12	5.56			1			12		5.56													78	78	1	TYPE 1 MOD			
TOTAL FOR INTERSECTION NO. 2049							5		12	5.56			1			12		5.56													78	78	1				
Oak Ridge	2090	2090B	NC-150 (Oak Ridge Rd) & SR-2022 (Linville Rd)	7A	2				10	13.89			1					13.89																	TYPE 1 MOD		
Oak Ridge	2090	2090C	NC-150 (Oak Ridge Rd) & SR-2022 (Linville Rd)	7A	2				36	3.34			1			36		3.34																		TYPE 2A MOD	
TOTAL FOR INTERSECTION NO. 2090									46	17.23			2			36		17.23																			
Summerfield	2091	2091A	NC-150 (Oak Ridge Rd) & SR-2117 (Summerfield Rd)	7A	3								1															13		13						TYPE 3	
Summerfield	2091	2091B	NC-150 (Oak Ridge Rd) & SR-2117 (Summerfield Rd)	7A	3				12				1	108	108	12											77		77							TYPE 1A	
Summerfield	2091	2091C	NC-150 (Oak Ridge Rd) & SR-2117 (Summerfield Rd)	7A	3				40							30	1																			REMOVAL	
TOTAL FOR INTERSECTION NO. 2091									52				2	108	108	42	1										77	13	77	13							
Grand Total							5		110	22.79			5	108	108	90	1	22.79									77	13	77	13	78	78	1				
								SUBTOTAL OF ALL RAMPS			6																										

BO-2407 SUMMARY OF QUANTITIES - ORANGE																																					
						1491000000-E	1519000000-E	1575000000-E	2549000000-E	2591000000-E	2656000000-N	2612300000-N	2612500000-N	27381000000-E	27381000000-E	2753000000-E	2760000000-N	2761000000-E	2761000000-E	2830000000-N	2845000000-N	4116100000-N	4447000000-E	4457000000-N	4600000000-N	4688000000-E	4695000000-E	4709000000-E	4860000000-E	4870000000-E	6000000000-E	6071010000-E	6084000000-E				
Municipality	INTERSECTION NO.	RAMP ID	Intersection	SHEET NO.	INSET	ASPHALT CONC BASE COURSE, TYPE B25.0C	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	ASPHALT BINDER FOR PLANT MIX	2'-6" CONCRETE CURB AND GUTTER	4" CONCRETE SIDEWALK	CONCRETE CURB RAMPS	RETROFIT EXISTING CONCRETE CURB RAMP	REMOVE & REPLACE CONCRETE CURB RAMPS	REMOVE BRICK PAVERS	REINSTALL BRICK PAVERS	REMOVE 2'-6" CONCRETE CURB AND GUTTER	REMOVE CONCRETE CURB RAMPS	REMOVE 4" CONCRETE SIDEWALK	8" CONCRETE DRIVEWAY CURB RAMP	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER BOXES OR VALVE BOXES	SIGN ERECTION, RELOCATE, TYPE "E" (GROUND MOUNTED)	PEDESTRIAN CHANNELIZING DEVICES	TEMPORARY TRAFFIC CONTROL	PEDESTRIAN TEMPORARY CURB RAMP	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	REMOVAL OF PAVEMENT MARKING LINES (8")	REMOVAL OF PAVEMENT MARKING LINES (24")	TEMPORARY SILT FENCE	WATTLE	SEEDING & MULCHING	TYPE	NOTES		
						TONS	TONS	TONS	LF	SY	EA	EA	EA	SF	SF	LF	EA	SY	SY	EA	EA	EA	LF	LS	EA	LF	LF	LF	LF	LF	LF	LF	LF	ACR			
Chapel Hill	2406	2406E	SR-1913 (Bennett Rd) & US-15	8A	1		3		12	2.78						12	1															65	65	1	REMOVAL		
Chapel Hill	2406	2406F	SR-1913 (Bennett Rd) & US-15	8A	1								1																						STD 848.06		
TOTAL FOR INTERSECTION NO. 2406							3		12	2.78			1			12	1															65	65	1			
Carrboro	2544	2544A	SR-1107 (Old Fayetteville Rd) & Winsome Ln	8A	2				10	2.78			1			10		2.78																		TYPE 1 MOD	
TOTAL FOR INTERSECTION NO. 2544									10	2.78			1			10		2.78																			
Outside Municipality	2693	2693A	Rhododendron Dr & Bayberry Dr	8A	3					8.34			1					8.34																		TYPE 1 MOD	
TOTAL FOR INTERSECTION NO. 2693										8.34			1					8.34																			
Outside Municipality	2694	2694A	SR-2287 (Ezekiel Peppers Trl) & SR-2288 (Jubilee Dr)	8A	4				5	4.45			1					4.45																		TYPE 1 MOD	
TOTAL FOR INTERSECTION NO. 2694									5	4.45			1					4.45																			
Grand Total							3		27	18.35			4			22	1	15.57														65	65	1			
								SUBTOTAL OF ALL RAMPS		5																											

BO-2407 SUMMARY OF QUANTITIES - ROCKINGHAM

BO-2407 SUMMARY OF QUANTITIES - ROCKINGHAM																																						
						1491000000-E	1519000000-E	1575000000-E	2549000000-E	2591000000-E	2605000000-N	2612300000-N	2612500000-N	27381000000-E	27381000000-E	2753000000-E	2760000000-N	2761000000-E	2761000000-E	2830000000-N	2845000000-N	4116100000-N	4447000000-E	4457000000-N	4600000000-N	4688000000-E	4685000000-E	4799000000-E	4860000000-E	4870000000-E	6000000000-E	6071010000-E	6084000000-E					
Municipality	INTERSECTION NO.	RAMP ID	Intersection	SHEET NO.	INSET	ASPHALT CONC BASE COURSE, TYPE B25.1C	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	ASPHALT BINDER FOR PLANT MIX	2'-6" CONCRETE CURB AND GUTTER	4" CONCRETE SIDEWALK	CONCRETE CURB RAMPS	RETROFIT EXISTING CONCRETE CURB RAMP	REMOVE & REPLACE CONCRETE CURB RAMPS	REMOVE BRICK PAVERS	REINSTALL BRICK PAVERS	REMOVE 2'-6" CONCRETE CURB AND GUTTER	REMOVE CONCRETE CURB RAMPS	REMOVE 4" CONCRETE SIDEWALK	6" CONCRETE DRIVEWAY CURB RAMP	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER BOXES OR VALVE BOXES	SIGN ERECTION, RELOCATE, TYPE "E" (GROUND MOUNTED)	PEDESTRIAN CHANNELIZING DEVICES	TEMPORARY TRAFFIC CONTROL	PEDESTRIAN TEMPORARY CURB RAMP	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	REMOVAL OF PAVEMENT MARKING LINES (8")	REMOVAL OF PAVEMENT MARKING LINES (24")	TEMPORARY SILT FENCE	WATTLE	SEEDING & MULCHING	TYPE	NOTES			
						TONS	TONS	TONS	LF	SY	EA	EA	EA	SF	SF	LF	EA	SY	SY	EA	EA	EA	LF	LS	EA	LF	LF	LF	LF	LF	LF	LF	ACR					
Madison	2749	2749A	US-220-BUS (N Highway St) & Carter St	9A	1	1	8	1		3.89			1					3.89														143	143	1	TYPE 1			
TOTAL FOR INTERSECTION NO. 2749						1	8	1		3.89			1					3.89														143	143	1				
Wentworth	2752	2752A	NC-65 & SR-2373 (Justice Center Dr)	9A	2					4.45																									ADD LANDING			
TOTAL FOR INTERSECTION NO. 2752										4.45																												
Mayodan	2760	2760A	NC-704 (Ayersville Rd) & Fern St	9A	3				10	47.23	1						10					1													TYPE 1A			
TOTAL FOR INTERSECTION NO. 2760									10	47.23	1						10					1																
Stoneville	2798	2798E	SR-1603 (S Henry St) & Mebane St	9A	4						1						10		5.56									80	19		19				TYPE 1A	Relocate 24" Stop Bar		
TOTAL FOR INTERSECTION NO. 2798											1						10		5.56									80	19		19							
Stoneville	2836	2836B	NC-770 (E Main St) & Stone St	9B	5				8				1																						TYPE 2B			
Stoneville	2836	2836C	NC-770 (E Main St) & Stone St	9B	5								1																						TYPE 2B			
TOTAL FOR INTERSECTION NO. 2836									8				2																									
Stoneville	2837	2837B	NC-770 (W Main St) & SR-1405 (S Glenn St)	9B	6				18	11.12			1				18		11.12																	TYPE 1 MOD		
TOTAL FOR INTERSECTION NO. 2837									18	11.12			1				18		11.12																			
Stoneville	2838	2838A	NC-770 (W Main St) & Westridge Apartments Entrance	9B	7				5				1				5																			TYPE 1		
TOTAL FOR INTERSECTION NO. 2838									5				1				5																					
Mayodan	2895	2895B	US-220-BUS (N 2nd Ave) & E Jackson St	9B	8					16.67	1							19.45				1														TYPE 1		
TOTAL FOR INTERSECTION NO. 2895										16.67	1							19.45				1																
Mayodan	2906	2906A	US-220-BUS (S 2nd Ave) & Car Wash Entrance	9C	9														16.11																	DRIVEWAY APRON DETAIL 1		
Mayodan	2906	2906B	US-220-BUS (S 2nd Ave) & Car Wash Entrance	9C	9				45	27.78							45		6.11	17.78																DRIVEWAY APRON DETAIL 1		
TOTAL FOR INTERSECTION NO. 2906									45	27.78							45		6.11	33.89																		
Stoneville	2979	2979A	NC-770 (E Main St) & Lemons St	9C	10								1																							TYPE 2B		
TOTAL FOR INTERSECTION NO. 2979													1																									
Stoneville	2980	2980A	NC-770 (E Main St) & First Baptist church Entrance	9C	11							1																								RETROFIT		
TOTAL FOR INTERSECTION NO. 2980												1																										
Eden	2987	2987C	SR-2066 (W Kings Hwy) & S Madison St	9C	12								1																							TYPE 2B		
Eden	2987	2987D	SR-2066 (W Kings Hwy) & S Madison St	9C	12								1									1														TYPE 2B		
TOTAL FOR INTERSECTION NO. 2987													2										1															
Grand Total								1	8	1	86	111.14	3	1	8			88		46.13	33.89		1	2				80	19		19	143	143	1				
SUBTOTAL OF ALL RAMPS								11																														

2025 CURB RAMP CONTRACT - CASWELL COUNTY



BO-2407A

4RD1 | 6

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
CASWELL COUNTY

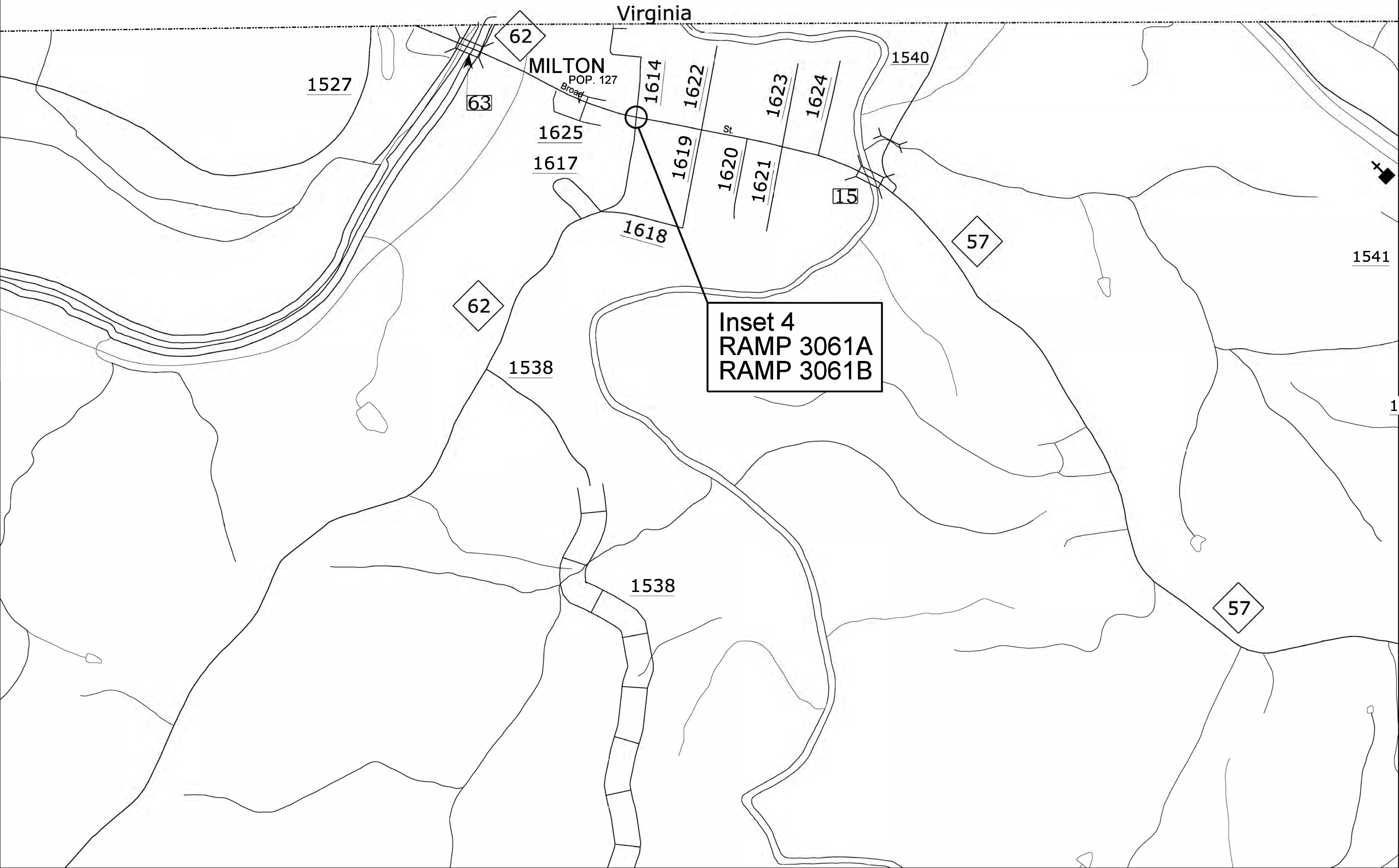
DIVISION 7
ROADWAY DESIGN
ENGINEER

PREPARED BY

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

REVISIONS

2025 CURB RAMP CONTRACT - CASWELL COUNTY



BD-2407A

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NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
CASWELL COUNTY

DIVISION 7
ROADWAY DESIGN
ENGINEER

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REVISIONS

2025 CURB RAMP CONTRACT - CASWELL COUNTY

80-2407A

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NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

CASWELL COUNTY

DIVISION 7

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ENGINEER

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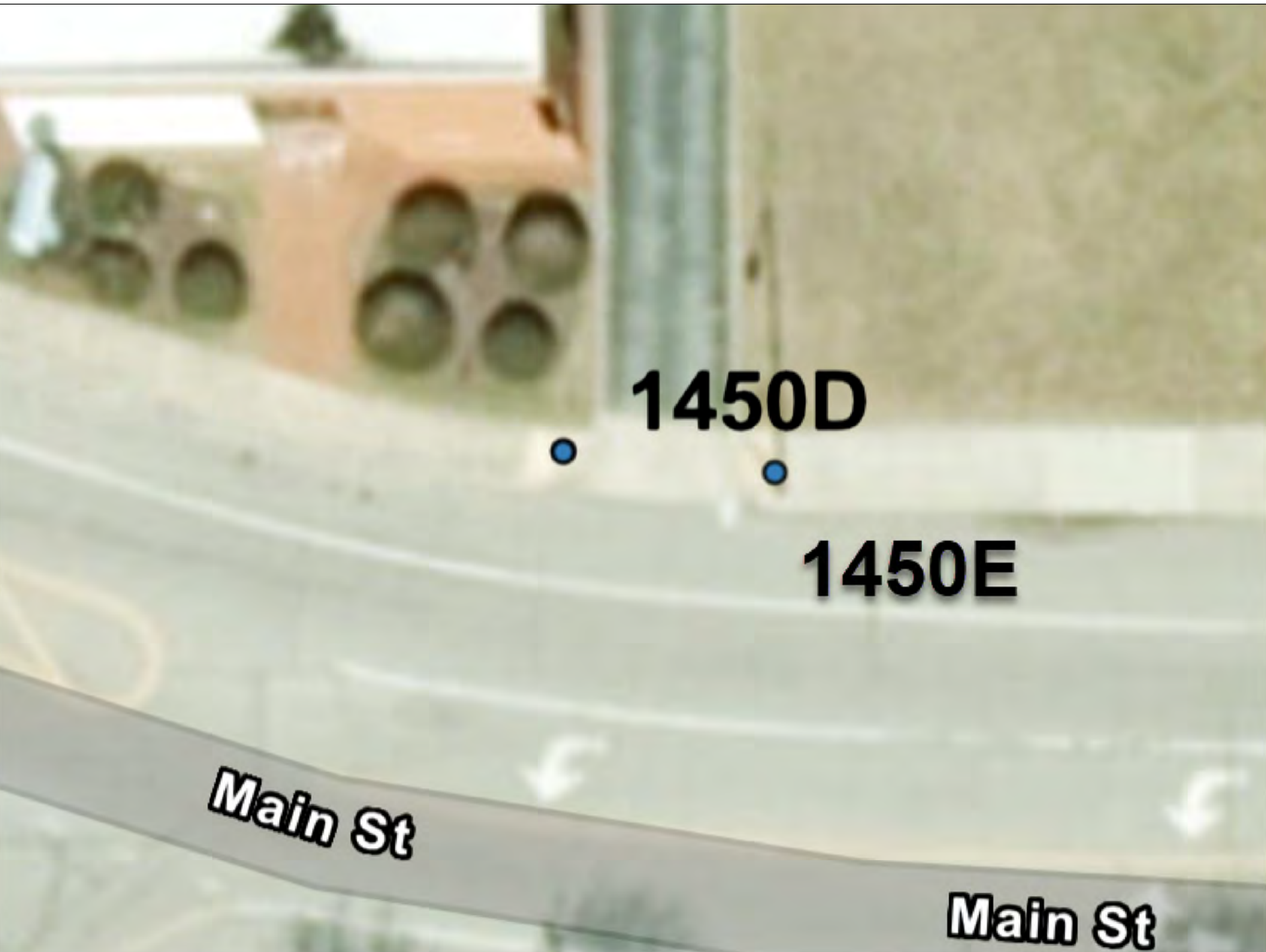
INSET 1: INTER. ID 1450,
SR-1163 (Main St) & SR-1613 (Court Sq)



UPGRADE
RAMP 1450B
Driveway Detail
REMOVE 5' Sidewalk
NEW 5' Sidewalk
ADJUST VALVE

RAMP 1450C
Driveway Detail
REMOVE 10' Sidewalk
NEW 10' Sidewalk

INSET 2: INTER. ID 1450,
SR-1163 (Main St) & SR-1613 (Court Sq)



UPGRADE
RAMP 1450D
Driveway Detail
REMOVE 5' Sidewalk
NEW 5' Sidewalk

RAMP 1450E
Driveway Detail
REMOVE 5' Sidewalk
NEW 5' Sidewalk
ADJUST UNKNOWN VALVE

INSET 3: INTER. ID 1454,
SR-1163 (E Main) & SR-1788 (Murphy St)



UPGRADE
RAMP 1454A
TO TYPE 1 MOD
NEW 23' CURB & GUTTER
ADJUST GAS VALVES

UPGRADE
RAMP 1454B
TO TYPE 1 MOD
Work between Poles
RELOCATE STOP SIGN

INSET 4: INTER. ID 3061,
NC 62 Broad St, & Fairview St.



UPGRADE RAMP
RAMP 3061A
TYPE 848.06
REMOVE APPROX. 30' SIDEWALK
TO BRING SLOPE DOWN AS MUCH
AS POSSIBLE TO CONNECT TO
NEW RAMP
NEW 30' SIDEWALK
ADD 170' - 24" High Vis Crosswalk
FROM RAMP 3061A TO 3061B
ADD 30' Curb and Gutter
40' 6" Thermoplastic Msarkings
Relocate Street Sign

INSTALL NEW RAMP
RAMP 3061B
TYPE 848.06
REMOVE 24' SIDEWALK, AVOID TREE ROOTS
REMOVE 8' SIDEWALK TO EDGE OF ENTRY
STEPS TO TIE SIDEWALK INTO NEW RAMP
AT BETTER SLOPE
NEW 24' SIDEWALK
NEW 8' SIDEWALK
PULL PAVEMENT BACK TO NO MORE THAN
1' ELEVATION CHANGE TO TIE INTO NEW RAMP
APPROX. 110 FT2
ADD 36' Curb and Gutter
46' 6" Thermoplastic Msarkings
Relocate Street Sign

REVISIONS

BD-2407A	
4RDI	7
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION GUILFORD COUNTY	
DIVISION 7	
ROADWAY DESIGN ENGINEER	
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REVISIONS

2025 CURB RAMP CONTRACT - GUILFORD COUNTY

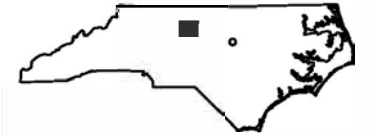
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GUILFORD COUNTY



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INSET 1: INTER. ID 2049,
SR-1836 (Willard Dairy Rd) & Penny Rd



UPGRADE
RAMP 2049A
TO TYPE 1 MOD.
ALIGN TO
RECEIVING RAMP

REMOVE AND REPLACE
12' CURB & GUTTER
REMOVE 10' SIDEWALK
NEW 10' SIDEWALK

INSET 2: INTER. ID 2090,
NC-150 (Oak Ridge Rd) & SR-2022 (Linville Rd)



RAMP 2090A
COMPLIANT

UPGRADE
RAMP 2090B
TO TYPE 1 MOD
NEW 10'
CURB AND GUTTER
REMOVE 25' SIDEWALK
NEW 25' SIDEWALK

UPGRADE
RAMP 2090C
TO TYPE 2A MOD
REMOVE 6' SIDEWALK
NEW 6' SIDEWALK
REMOVE 36'
CURB & GUTTER
NEW 36'
CURB & GUTTER

INSET 3: INTER. ID 2091,
NC-150 (Oak Ridge Rd) & SR-2117 (Summerfield Rd)



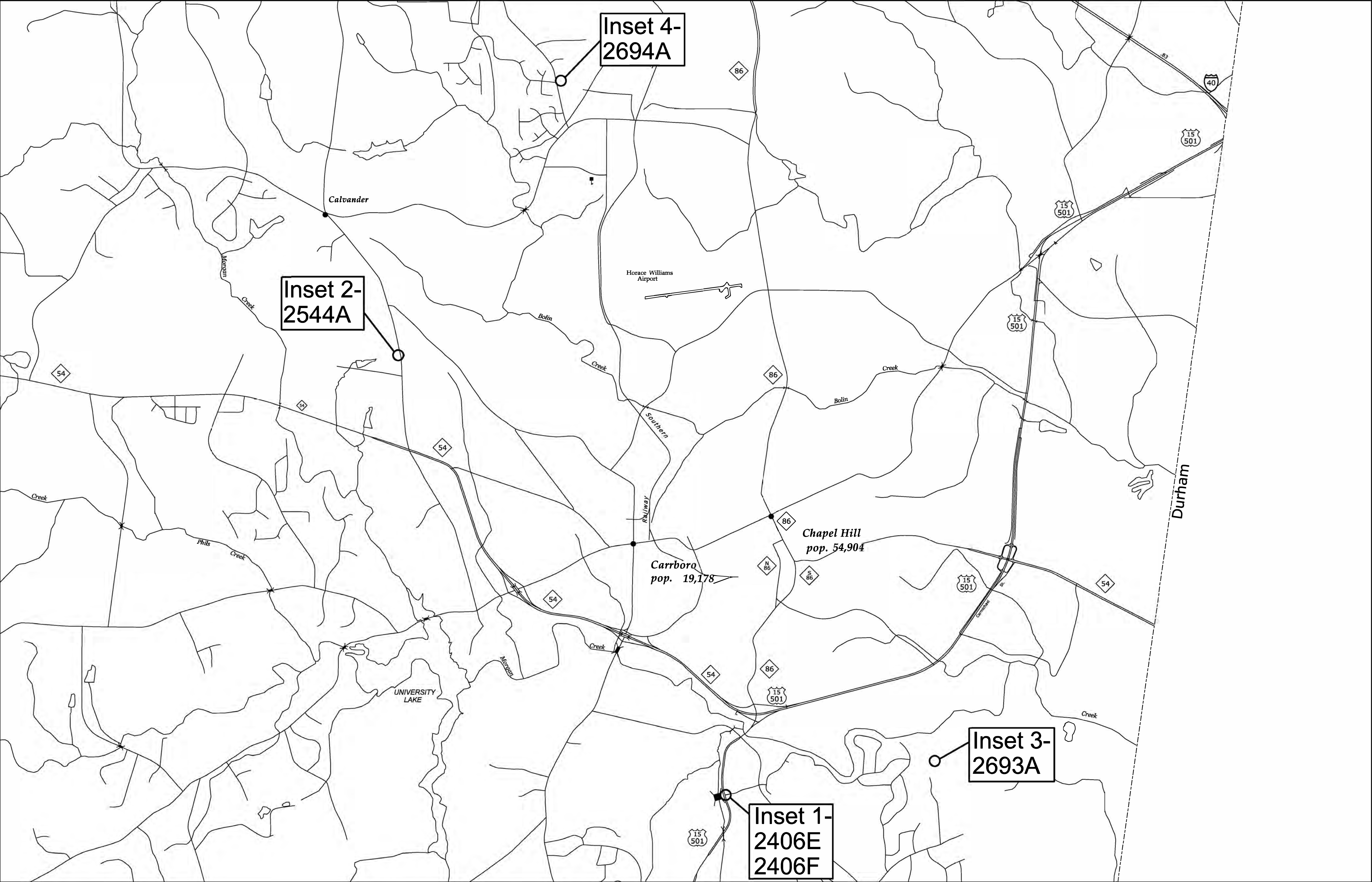
UPGRADE
RAMP 2091A
TO TYPE 3
REMOVE 13 FEET 24" STOP BAR
NEW 13 FEET 24" STOP BAR
SHIFT BACK TO
ALIGN WITH RAMP 2091B
DO NOT DISTURB
EXISTING BRICK

UPGRADE
RAMP 2091B
TO TYPE 1A
BEGIN 5 FEET BACK
FROM EDGE OF BRICK
ALIGN WITH RAMP 2091A
REMOVE 77' 8" CROSSWALK
NEW 77' 8" CROSSWALK
REMOVE & REPLACE 12'
CURB & GUTTER
REMOVE AND REINSTALL
108 SF EXISTING BRICK PAVERS

RAMP 2091C
REMOVE RAMP
REMOVE 30' CURB AND GUTTER
NEW 40' CURB & GUTTER

REVISIONS

2025 CURB RAMP CONTRACT - ORANGE COUNTY



80-2407A

4RD18

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ORANGE COUNTY

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2025 CURB RAMP CONTRACT - ORANGE COUNTY

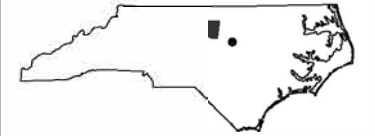
BO-2407A

4RDI8A

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ORANGE COUNTY



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INSET 1: INTER. ID 2406
SR-1913 (Bennett Rd) & US-15 /US 501



REMOVE
RAMP 2406E
REMOVE 12'
CURB & GUTTER
NEW 12'
CURB & GUTTER
NEW 5'
SIDEWALK

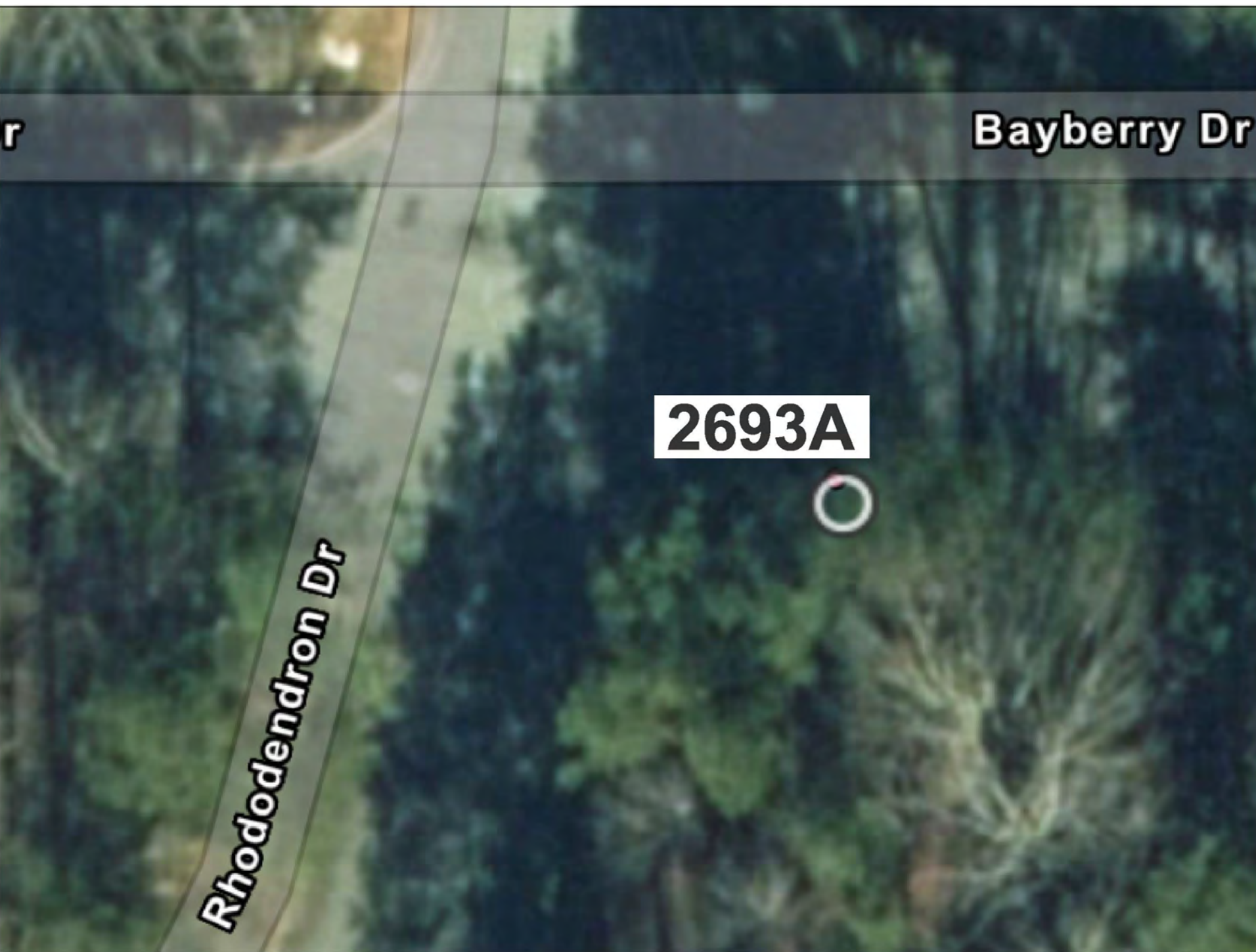
UPGRADE
RAMP 2406F
TO TYPE 848.06 Sheet 3.

INSET 2: INTER. ID 2544,
SR-1107 (Old Fayetteville Rd) & Winsome Ln



UPGRADE
RAMP 2554A
TO TYPE 1 MOD.
REMOVE 10'
CURB & GUTTER
NEW 10'
CURB & GUTTER
REMOVE 5' SIDEWALK
NEW 5' SIDEWALK

INSET 3: INTER. ID 2693,
Rhododendron Dr & Bayberry Dr



UPGRADE
RAMP 2693A
TO TYPE 1 MOD
REMOVE 15' S/W
NEW 15' SIDEWALK

INSET 4: INTER. ID 2694,
SR-2287 (Ezekiel Peppers Trl) & SR-2288 (Jubilee Dr)

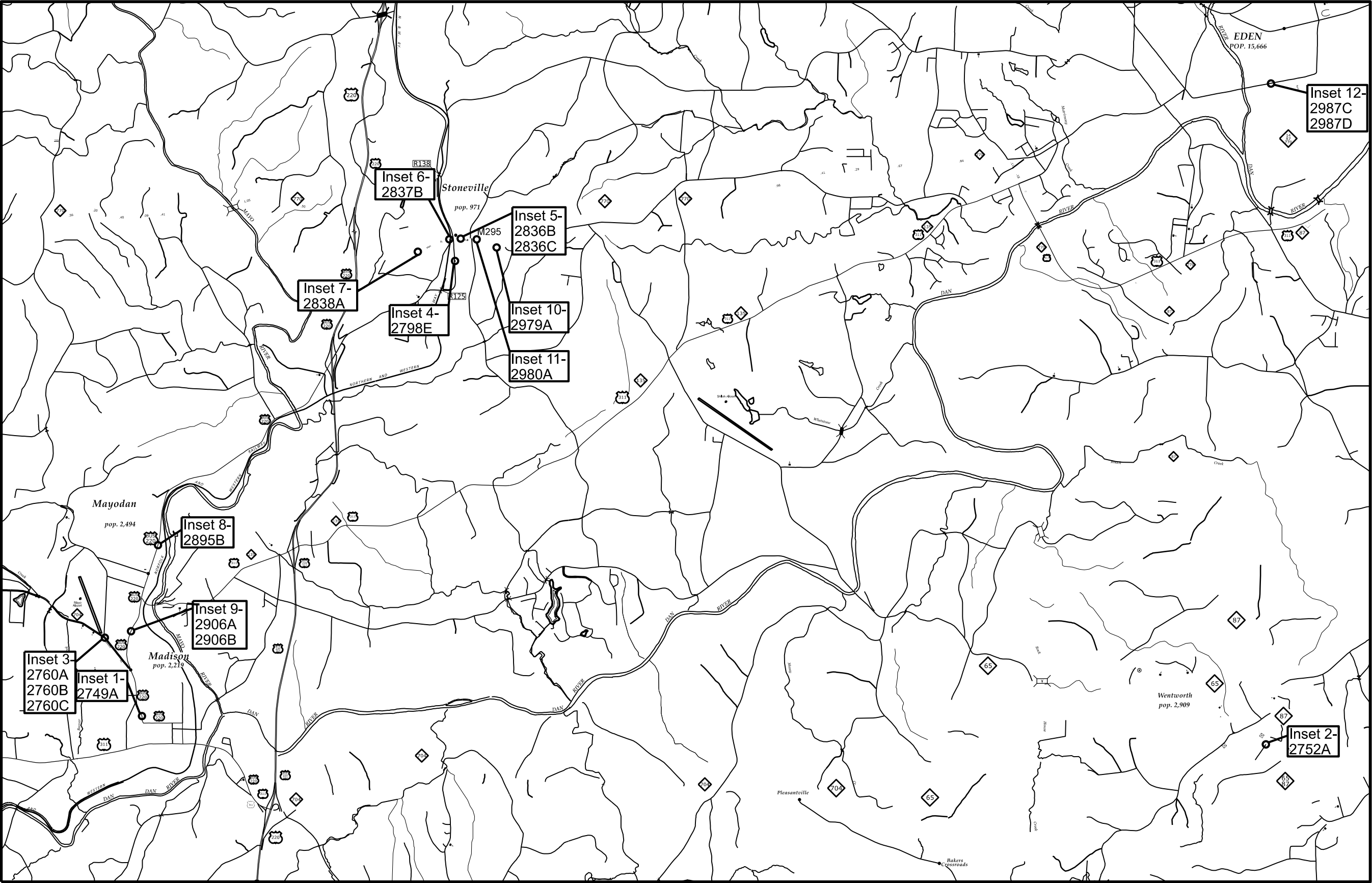


UPGRADE
RAMP 2694A
TO TYPE 1 MOD.
NEW 5'
CURB & GUTTER
REMOVE 8'
SIDEWALK
NEW 8'
SIDEWALK

REVISIONS



2025 CURB RAMP CONTRACT - ROCKINGHAM COUNTY



BD-2407A

4RD1	9
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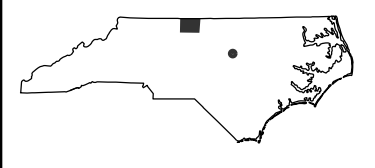
REVISIONS

2025 CURB RAMP CONTRACT - ROCKINGHAM COUNTY

80-2407A

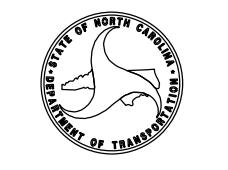
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ROCKINGHAM COUNTY



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INSET 1: INTER. ID 2749,
US-220-BUS (N Highway St) & Carter St



UPGRADE
RAMP 2749A
TO TYPE 1
REMOVE 7' SIDEWALK
NEW 7' SIDEWALK
REALIGN NEW RAMP
TO RAMP ACROSS STREET
TO AVOID DRAINAGE
BOX LID

INSET 2: INTER. ID 2752,
NC-65 & SR-2373 (Justice Center Dr)



UPGRADE
RAMP 2752A
ADD LANDING TO RAMP

INSET 3: INTER. ID 2760,
NC-704 (Ayersville Rd) & Fern St

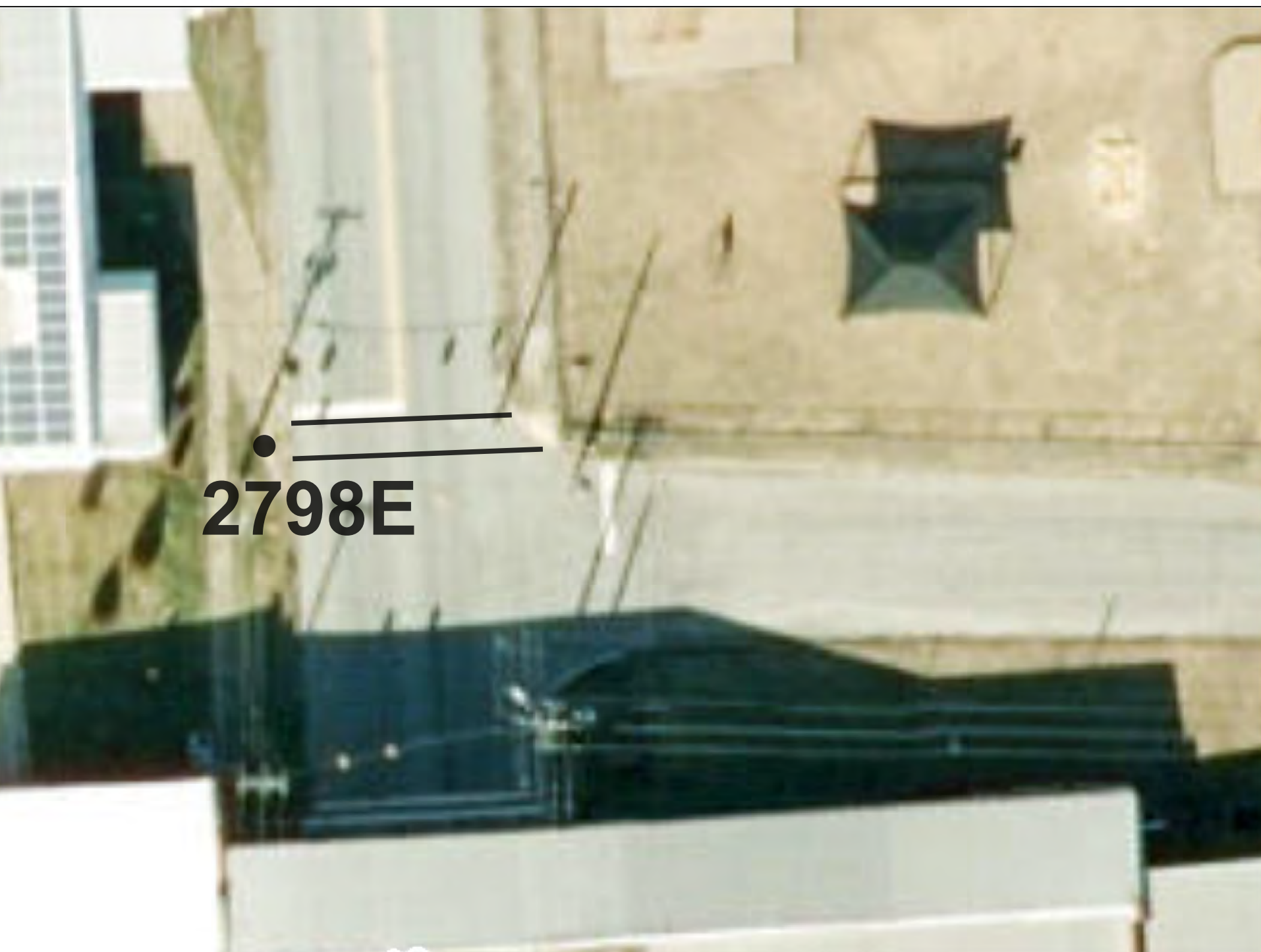


NEW
RAMP 2760A
TYPE 1A
NEW 85' S/W
REMOVE & REPLACE
10' CURB & GUTTER
RELOCATE SIGN

UPGRADE
RAMP 2760B
TO TYPE 2B

UPGRADE
RAMP 2760C
TO TYPE 1C

INSET 4: INTER. ID 2798,
SR-1603 (S Henry St) & Mebane St



NEW
RAMP 2798E
TO TYPE 1A
REMOVE 10' CURB
AND GUTTER
REMOVE 10' SIDEWALK
ADD APPROX 80 LF
8" CROSSWALK IN
NEW LOCATION TO
EXISTING RAMP
REMOVE APPROX.
19 LF 24" STOP BAR
NEW APPROX.
19 LF 24" STOP BAR

REVISIONS

2025 CURB RAMP CONTRACT - ROCKINGHAM COUNTY

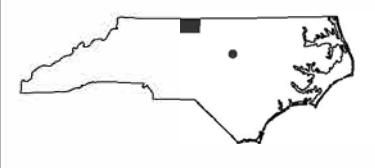
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ROCKINGHAM COUNTY



DIVISION 7

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INSET 5: INTER. ID 2836,
NC-770 (E Main St) & Stone St



UPGRADE
RAMP 2836B
TO TYPE 2B
ADD 8' CURB & GUTTER

RAMP 2836C
TO TYPE 2B

INSET 6: INTER. ID 2837,
NC-770 (W Main St) & SR-1405 (S Glenn St)



RAMP 2837A
COMPLIANT
NO WORK NEEDED

UPGRADE
RAMP 2837B
TO TYPE 1 MOD
REMOVE & REPLACE
20' S/W
REMOVE & REPLACE
18' CURB & GUTTER

RAMP 2981B
COMPLIANT
NO WORK NEEDED

INSET 7: INTER. ID 2838,
NC-770 (W Main St) & Westridge Apartments Entrance



UPGRADE
RAMP 2838A
TO TYPE 1

REMOVE & REPLACE
5' CURB & GUTTER

INSET 8: INTER. ID 2895,
US-220-BUS (N 2nd Ave) & E Jackson St



NEW
RAMP 2895B
TYPE 1
RELOCATE STOP SIGN

REMOVE APPROX.
35' SIDEWALK

NEW APPROX.
30' SIDEWALK



REVISIONS

2025 CURB RAMP CONTRACT - ROCKINGHAM COUNTY

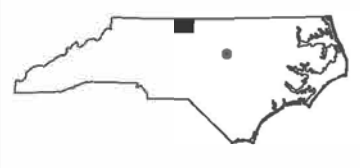
BO-2407A

4RDI9C

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

ROCKINGHAM COUNTY



DIVISION 7

ROADWAY DESIGN
ENGINEER

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INSET 9: INTER. ID 2906,
US-220-BUS (S 2nd Ave) & Car Wash Entrance



NEW
RAMP 2906A
TO DRIVEWAY APRON
DETAIL 1, SEE SHEET S-3
29' DRIVE

UPGRADE
RAMP 2906B
TO DRIVEWAY APRON
DETAIL 1, SEE SHEET S-3
32' DRIVE
11' SIDEWALK REMOVAL
11' NEW SIDEWALK MAKE
FLUSH TO TOP OF
DRAINAGE BOX REMOVE
& REPLACE
45' CURB & GUTTER
NEW APPROX.
39' SIDEWALK TO
CONNECT THE
DRIVEWAYS

INSET 10: INTER. ID 2979,
NC-770 (E Main St) & Lemons St



UPGRADE
RAMP 2979A
TO TYPE 2B

INSET 11: INTER. ID 2980,
NC-770 (E Main St) at First Baptist Church Entrance



UPGRADE
RAMP 2980A
RETROFIT DOMES

INSET 12: INTER. ID 2987,
SR-2066 (W Kings Hwy) & S Madison St



UPGRADE
RAMP 2987C TO
TYPE 2B

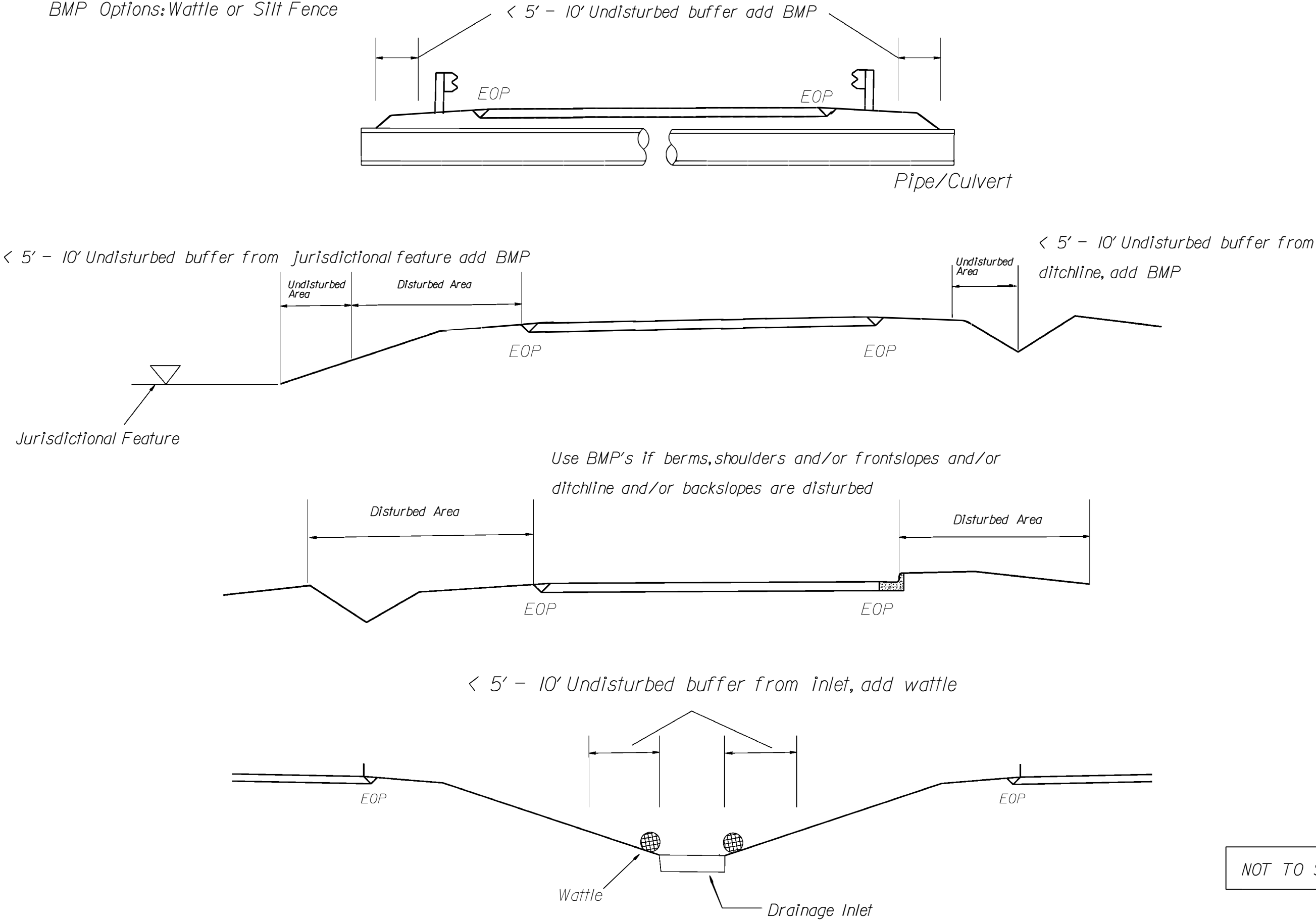
RAMP 2987D
TYPE 2B

REVISIONS

NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL



NOT TO SCALE

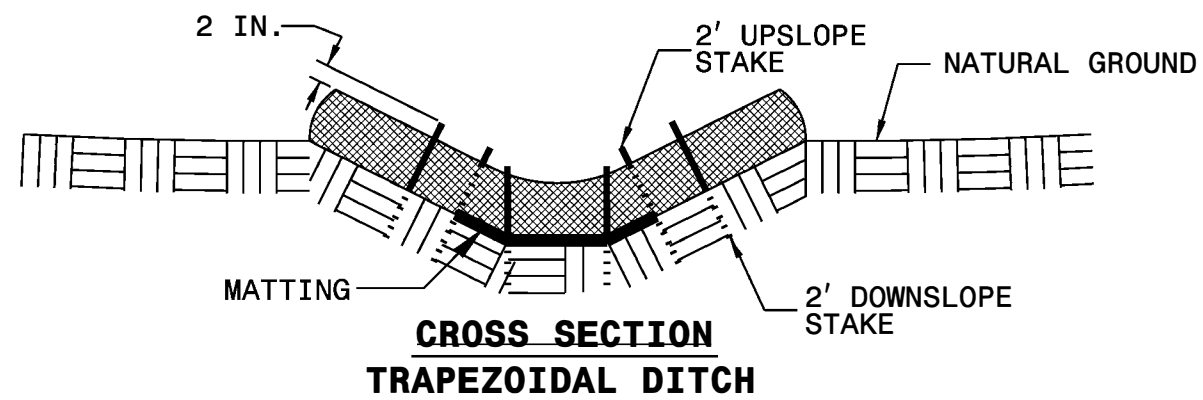
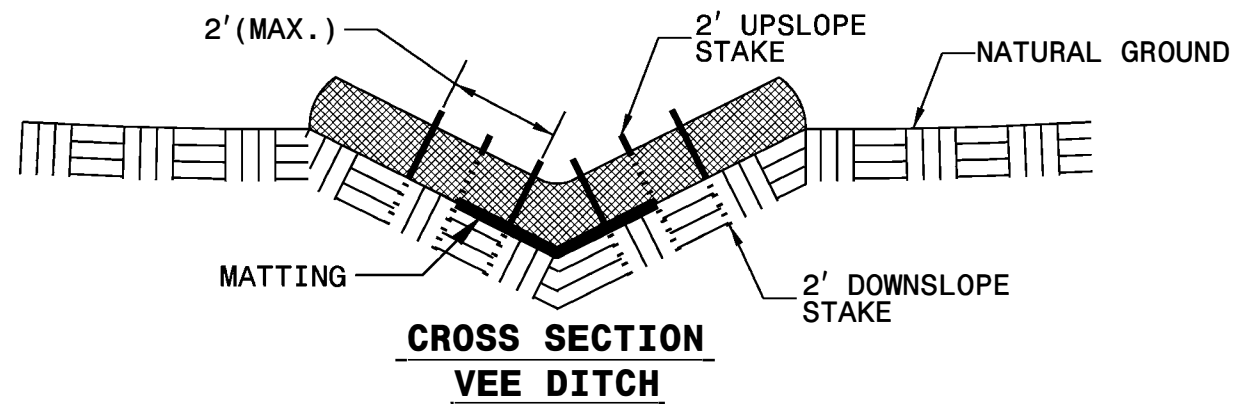
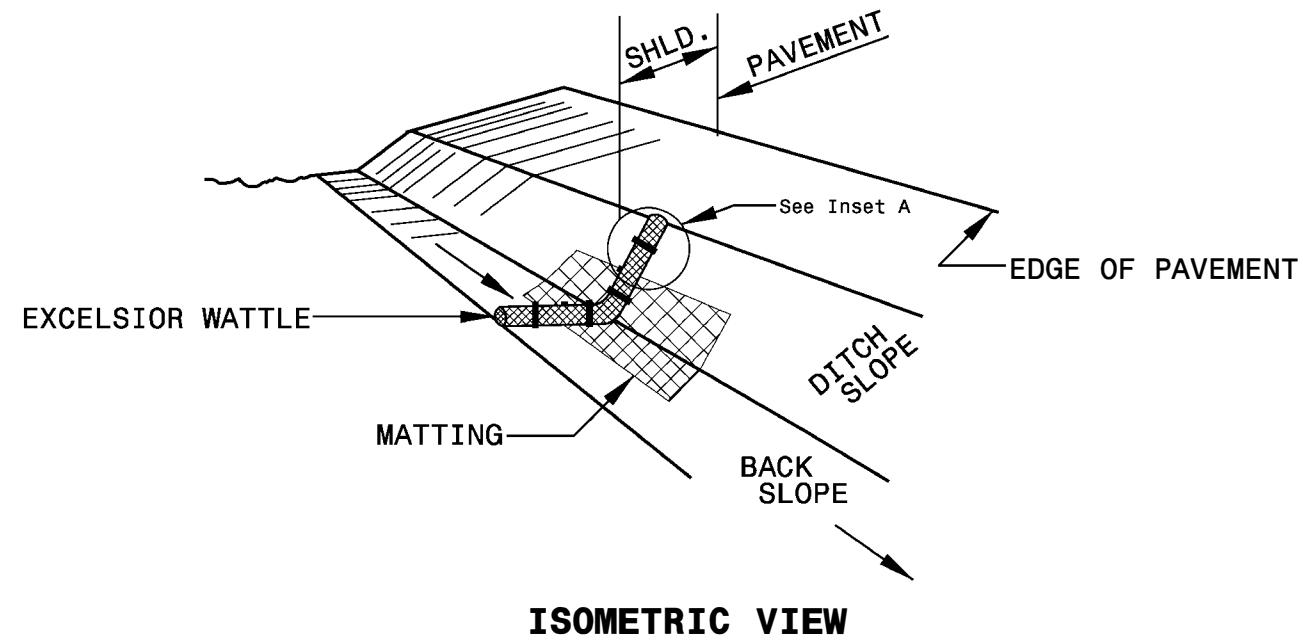
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (Hqw) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND Hqw ZONES.

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
WITH THE REGULATIONS SET FORTH BY THE
NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011
ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND
NATURAL RESOURCES DIVISION OF WATER QUALITY.

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

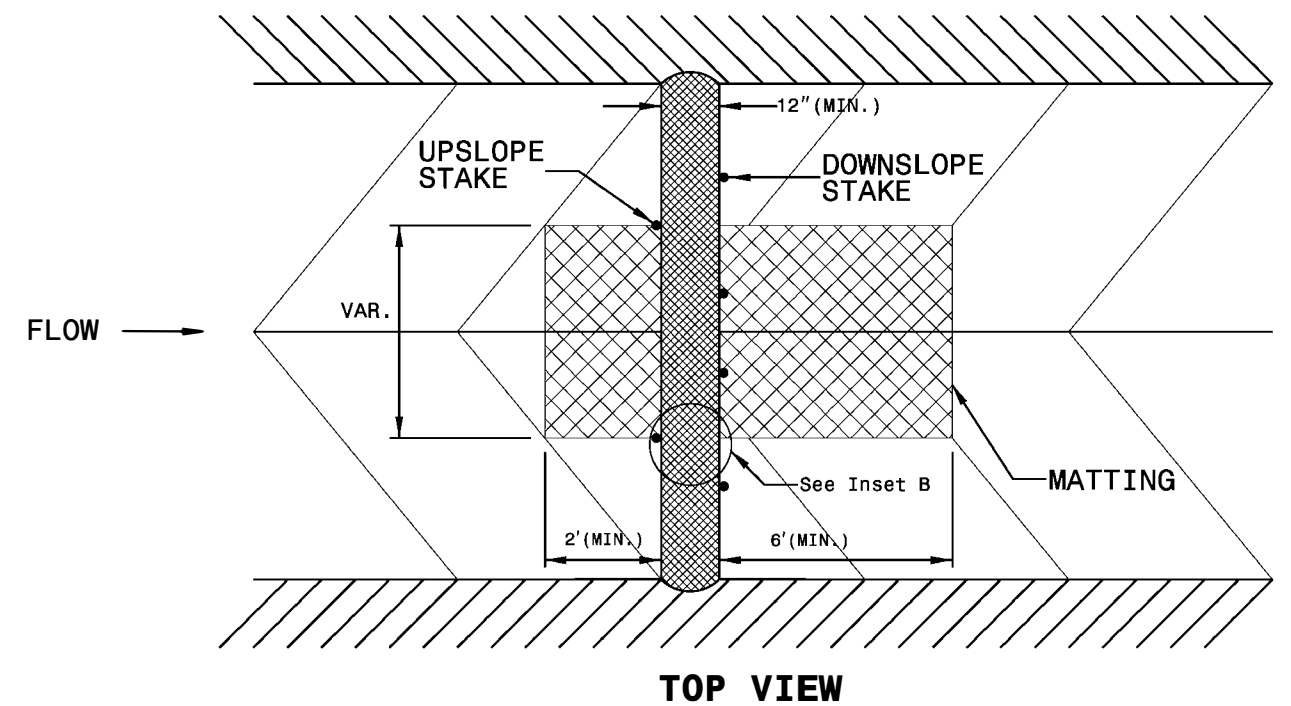
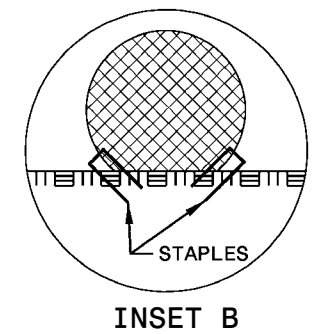
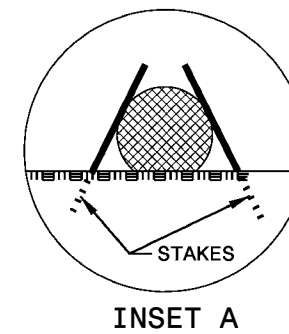
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

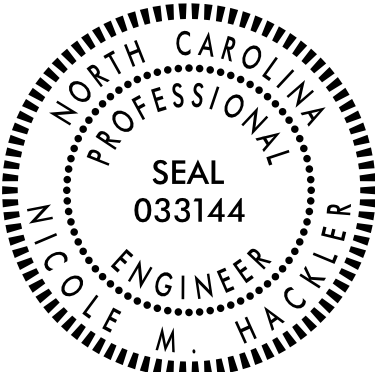
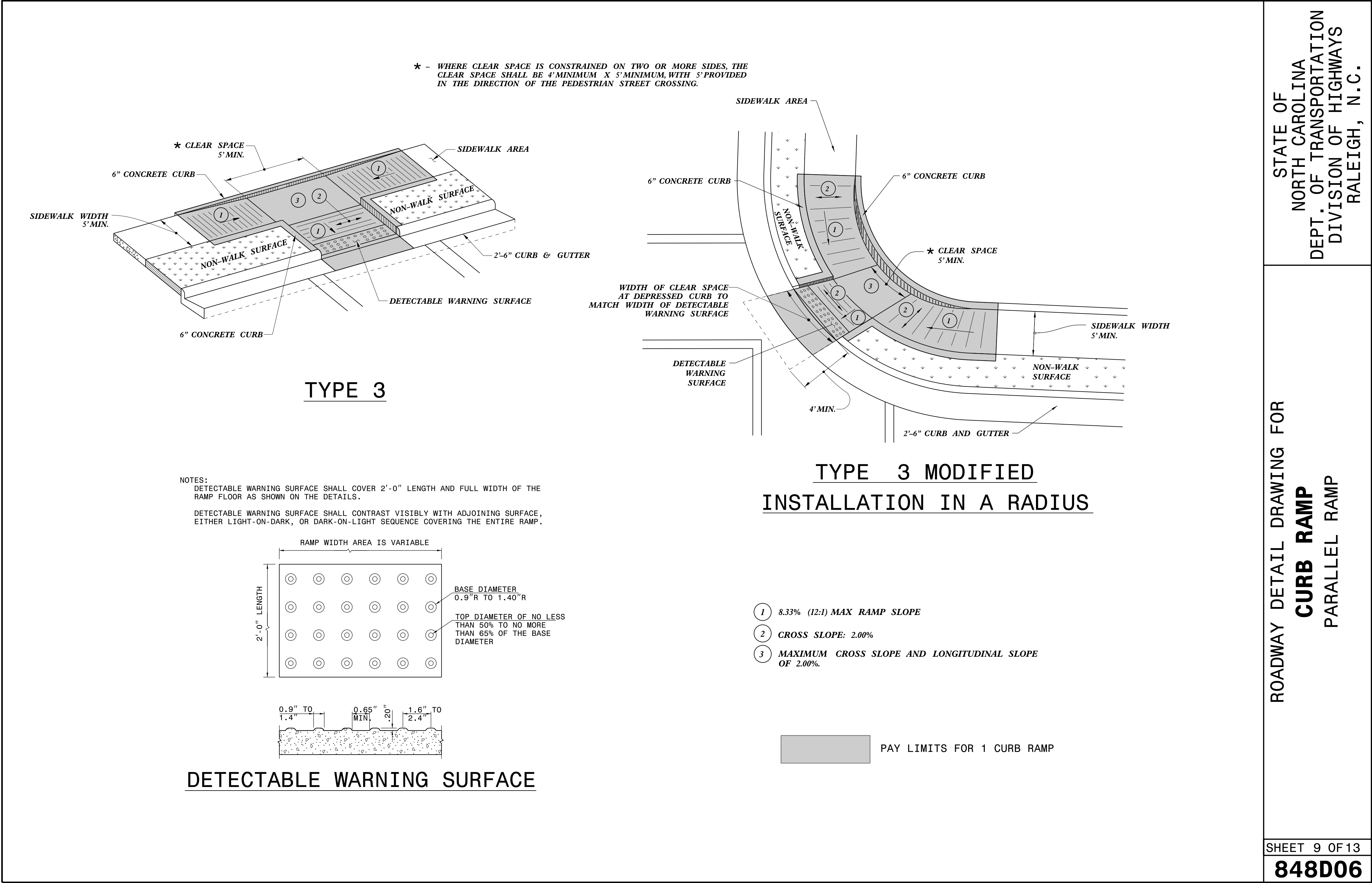
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.





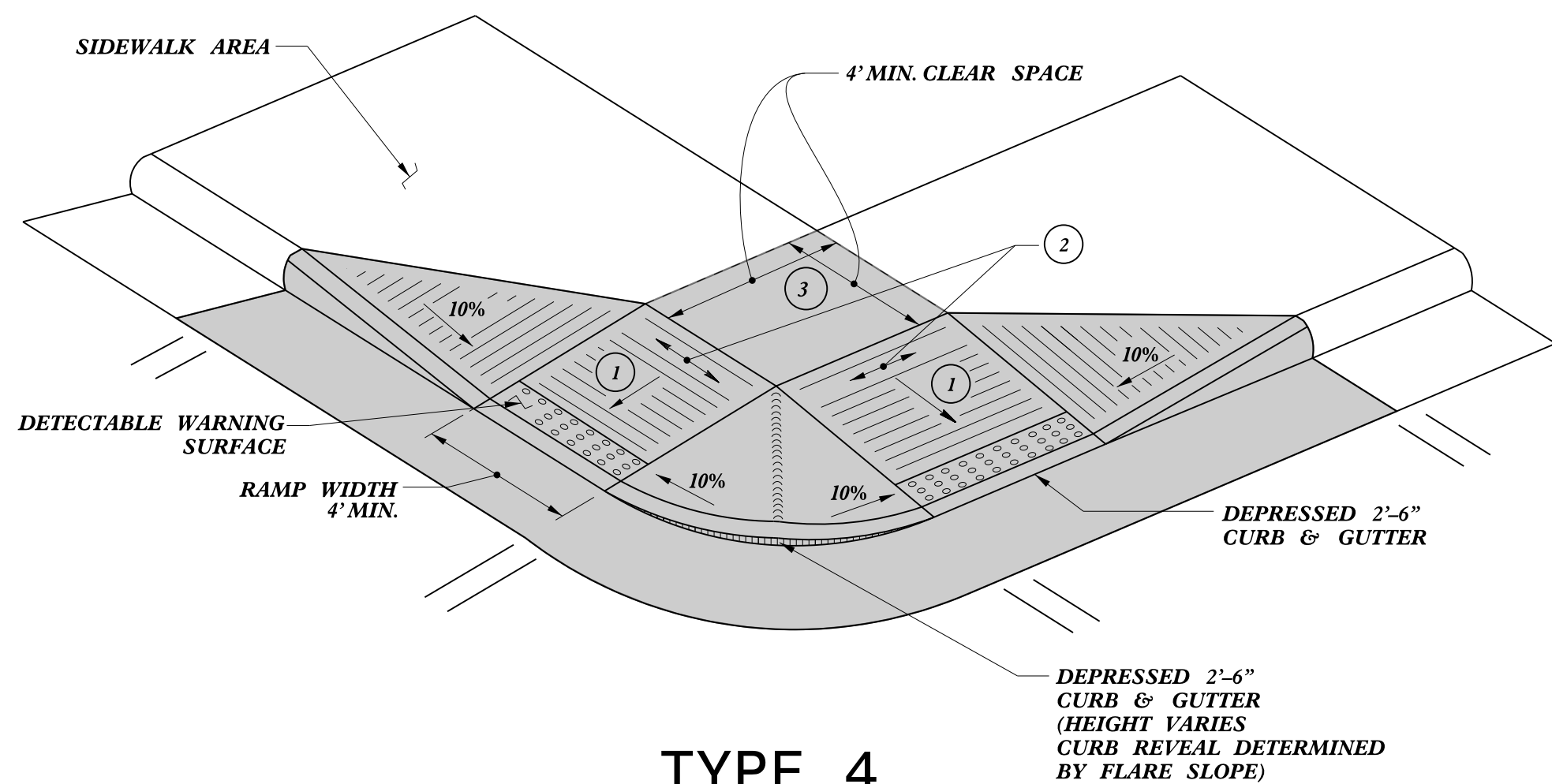
Signed by:
Nicole M. Hickler 04/25/2025
5884323034184C5

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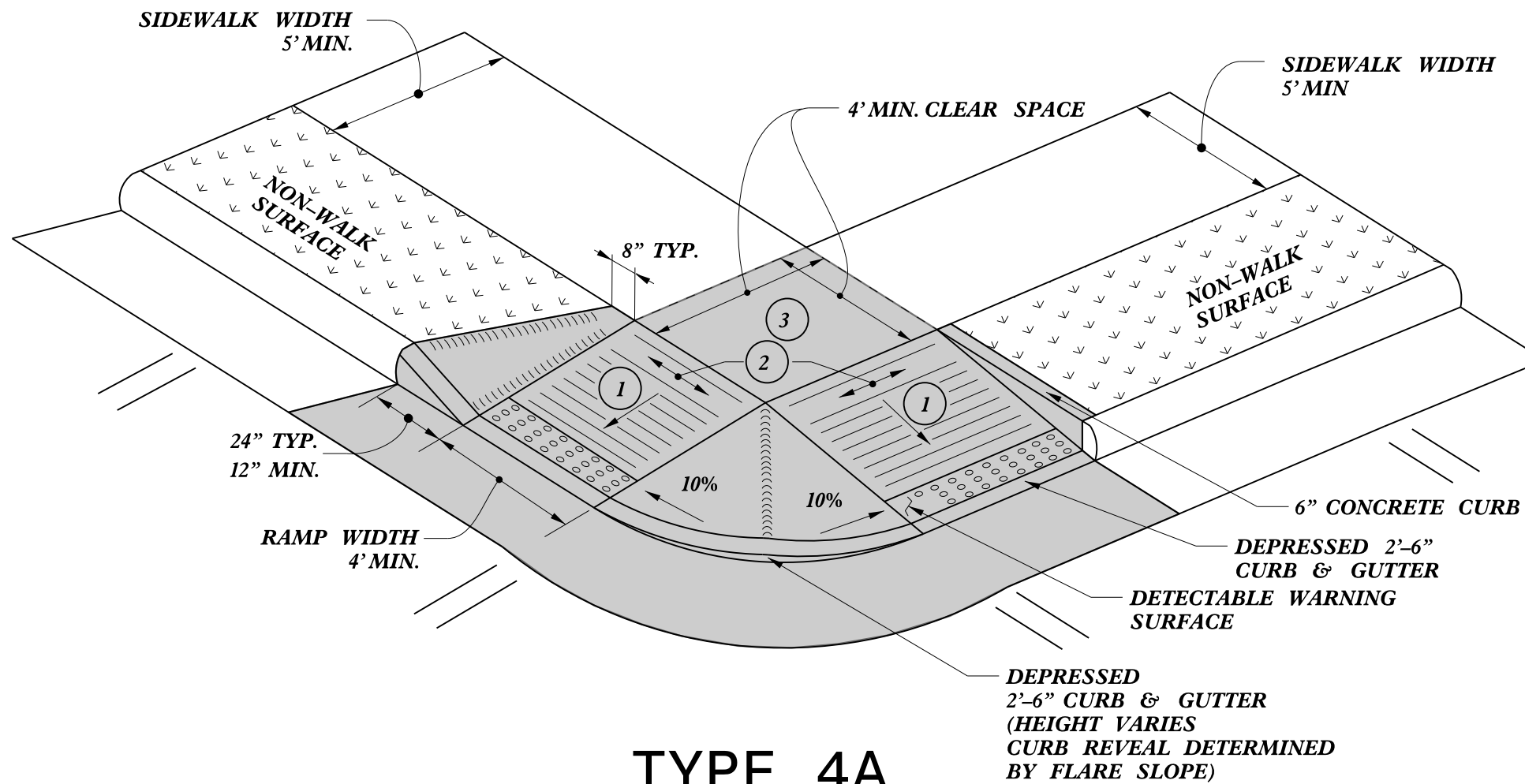
CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

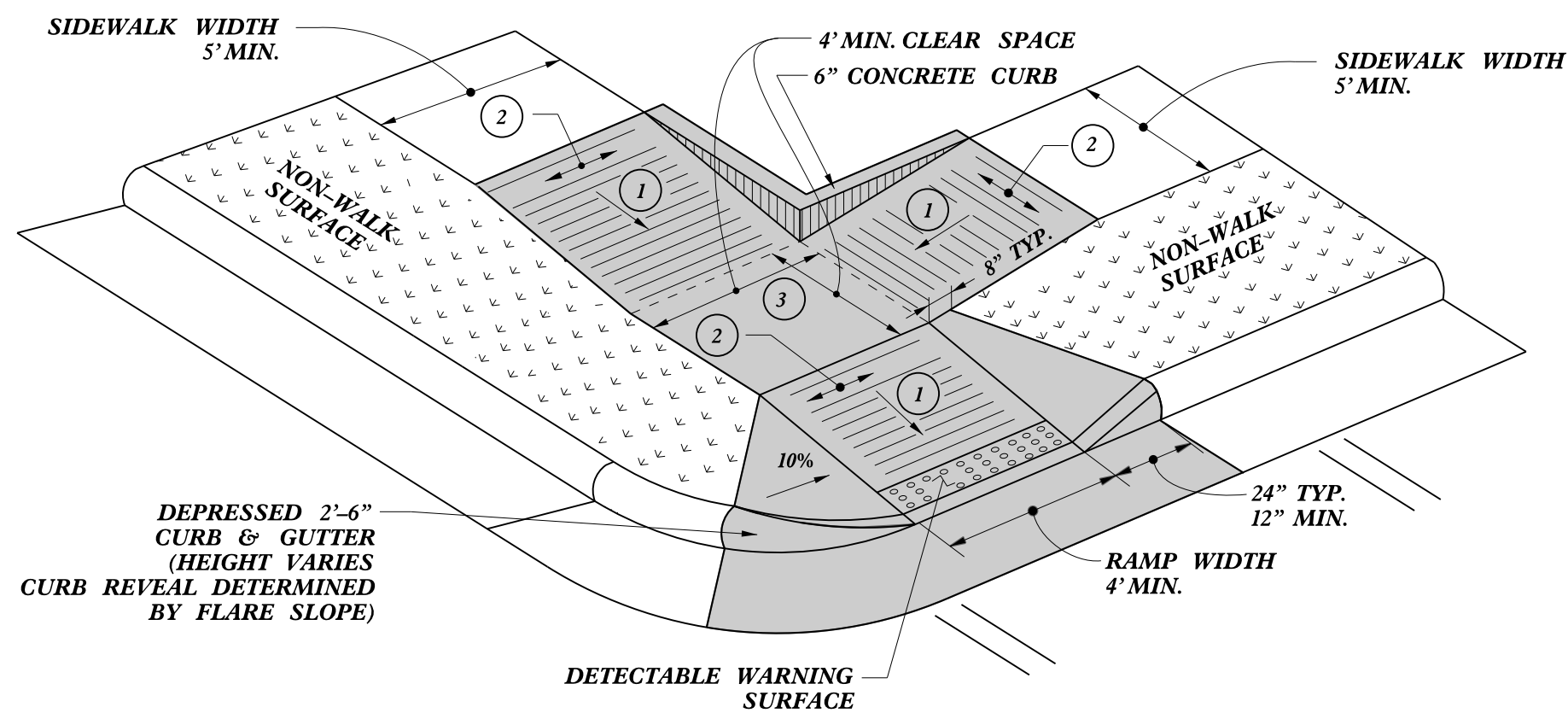
ORIGINAL BY: S.CALHOUN DATE: 12-22-2023
MODIFIED BY: DATE:
CHECKED BY: DATE:
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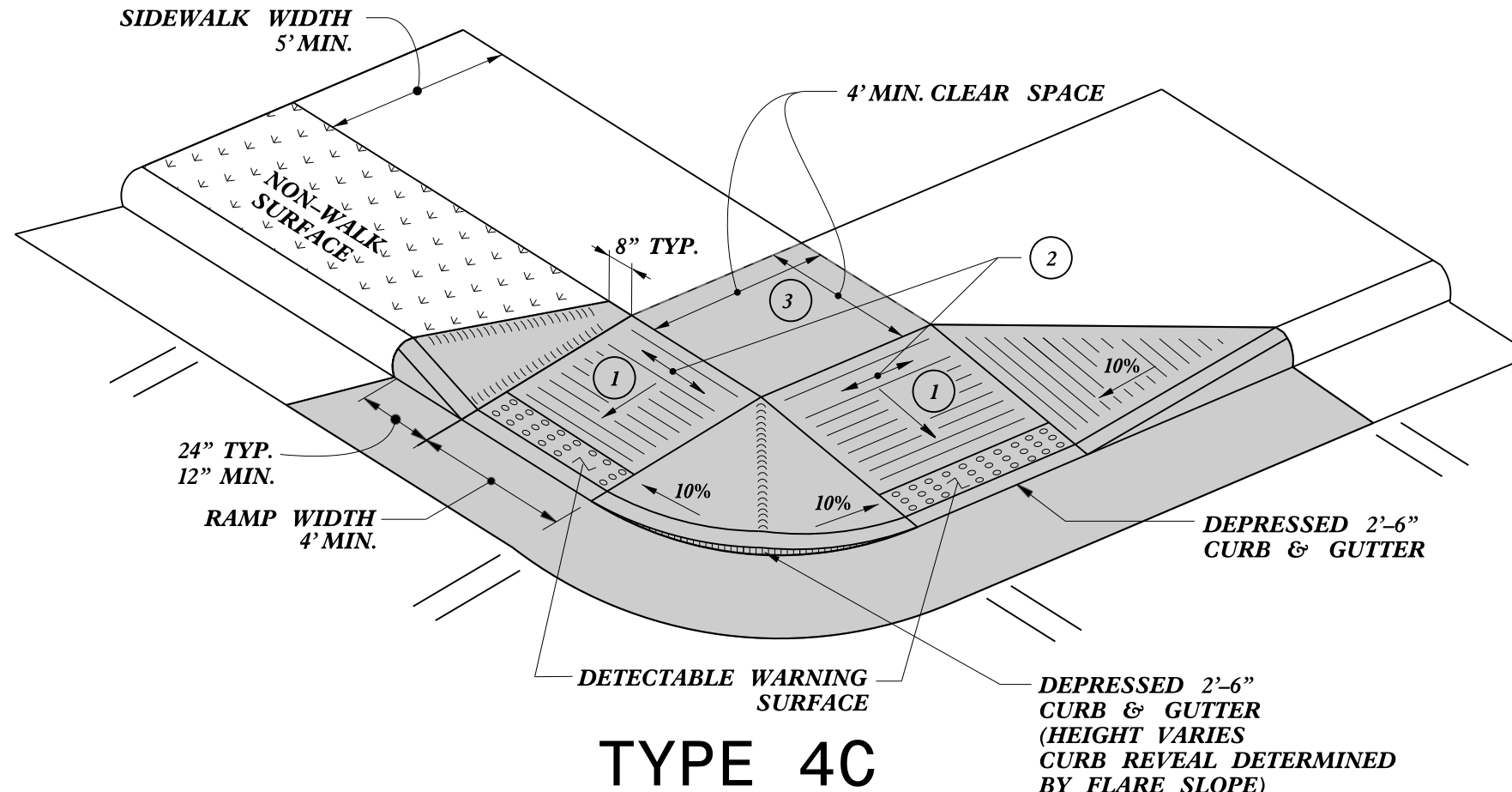
TYPE 4



TYPE 4A

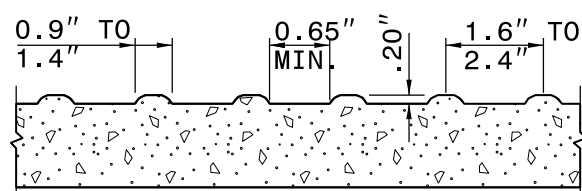
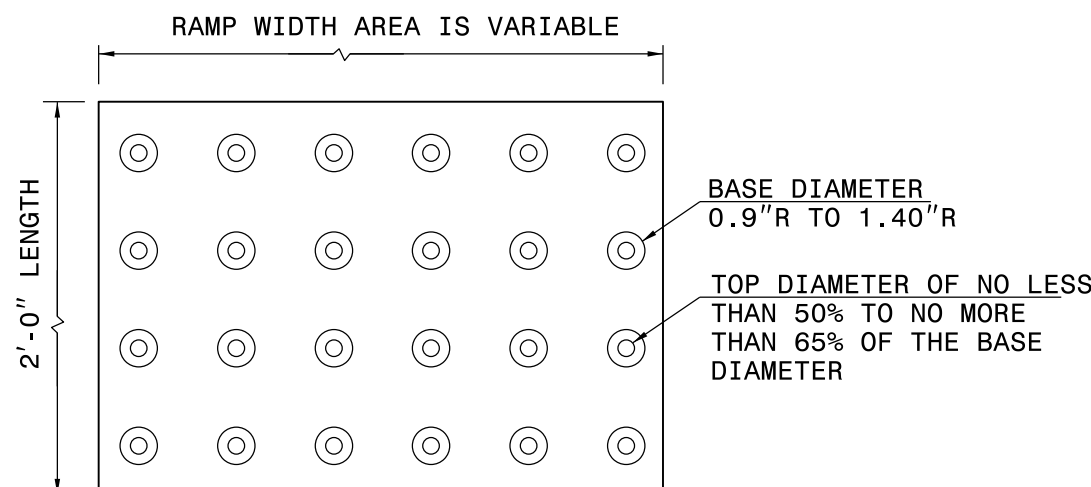


TYPE 4B



TYPE 4C

NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
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

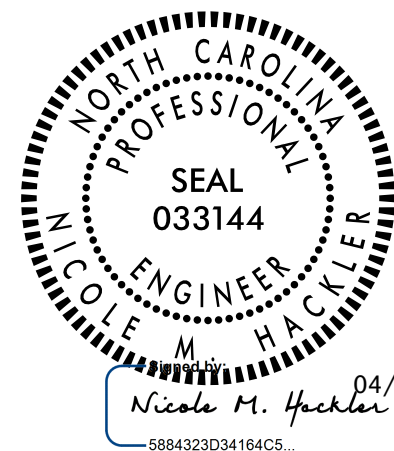
- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%

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 DETAIL DRAWING FOR
CURB RAMP
SHARED LANDING

SHEET 10 OF 13
848D06



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FILE SPEC.: special_details\nmhacker\848D0610.dgn

- PAY LIMITS FOR 1
6" CONCRETE DRIVEWAY
CURB RAMP

-SEE ROADWAY STANDARD DRAWING 848.02 FOR CONCRETE DRIVEWAYS.

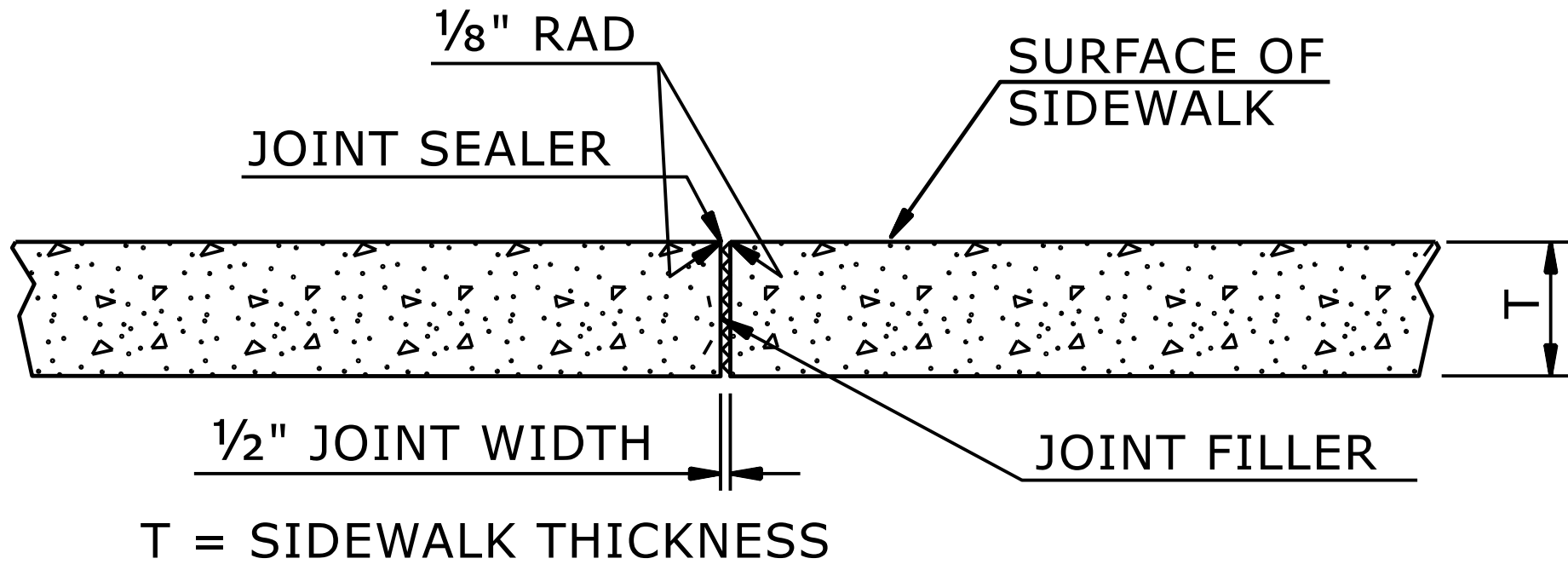
6 INCH CONCRETE DRIVEWAY CURB RAMP

NOTES:

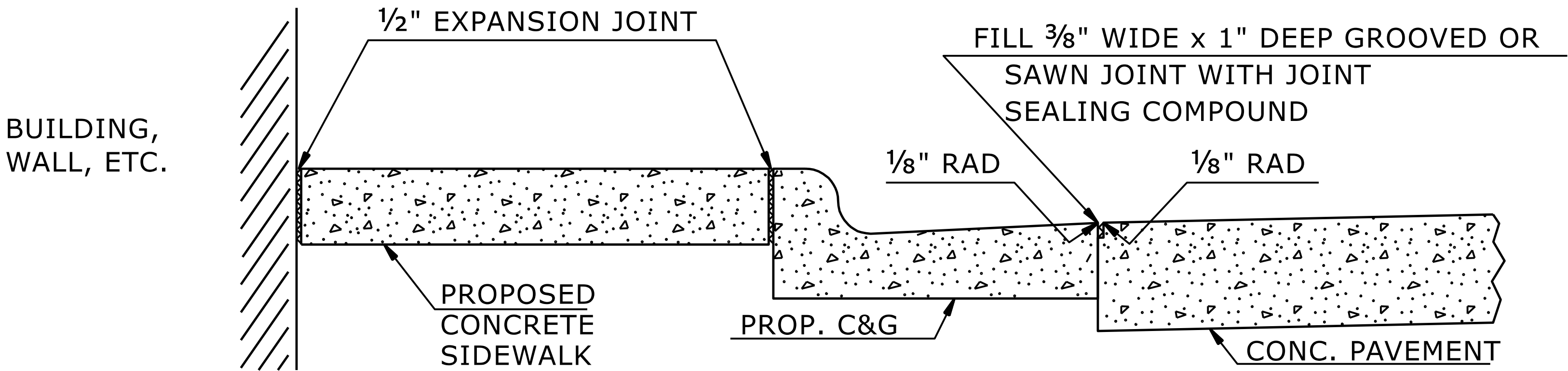
CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

PLACE A GROOVE JOINT 1" DEEP WITH 1/8" RADII IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

SEE STD. DWG. 848.06 FOR CURB RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.



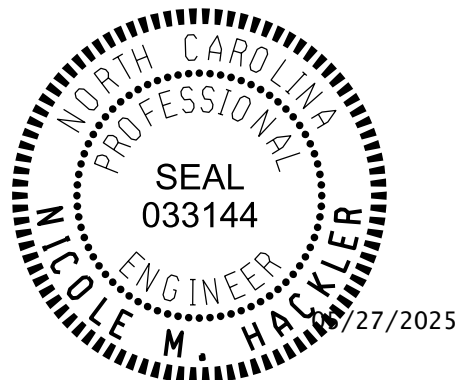
TRANSVERSE EXPANSION JOINT
IN SIDEWALK



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
CONCRETE SIDEWALK



Signed by:
Nicole M. Hacker
5884323D34164C5

SHEET 1 OF 1

848D01

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**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

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