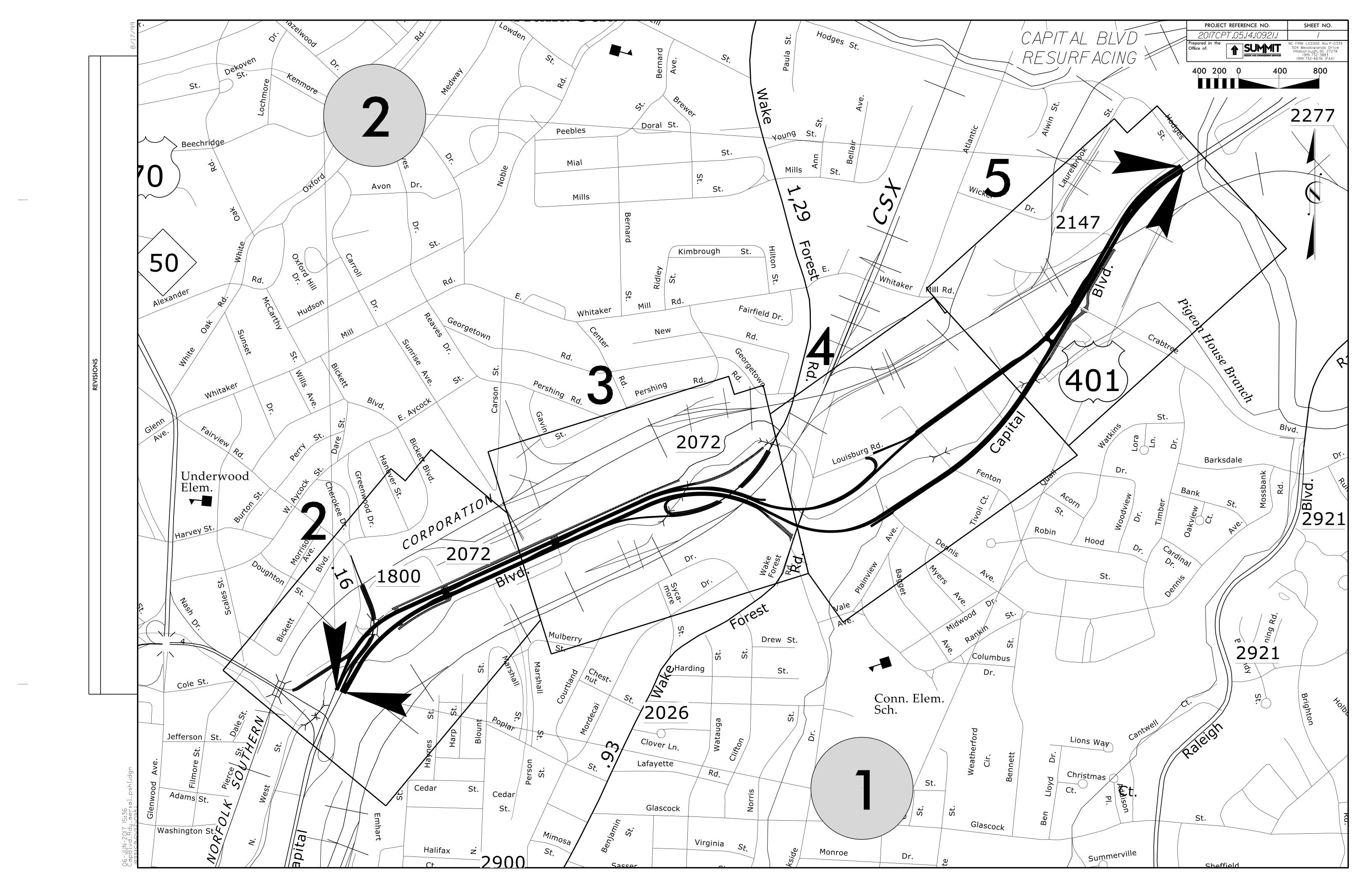
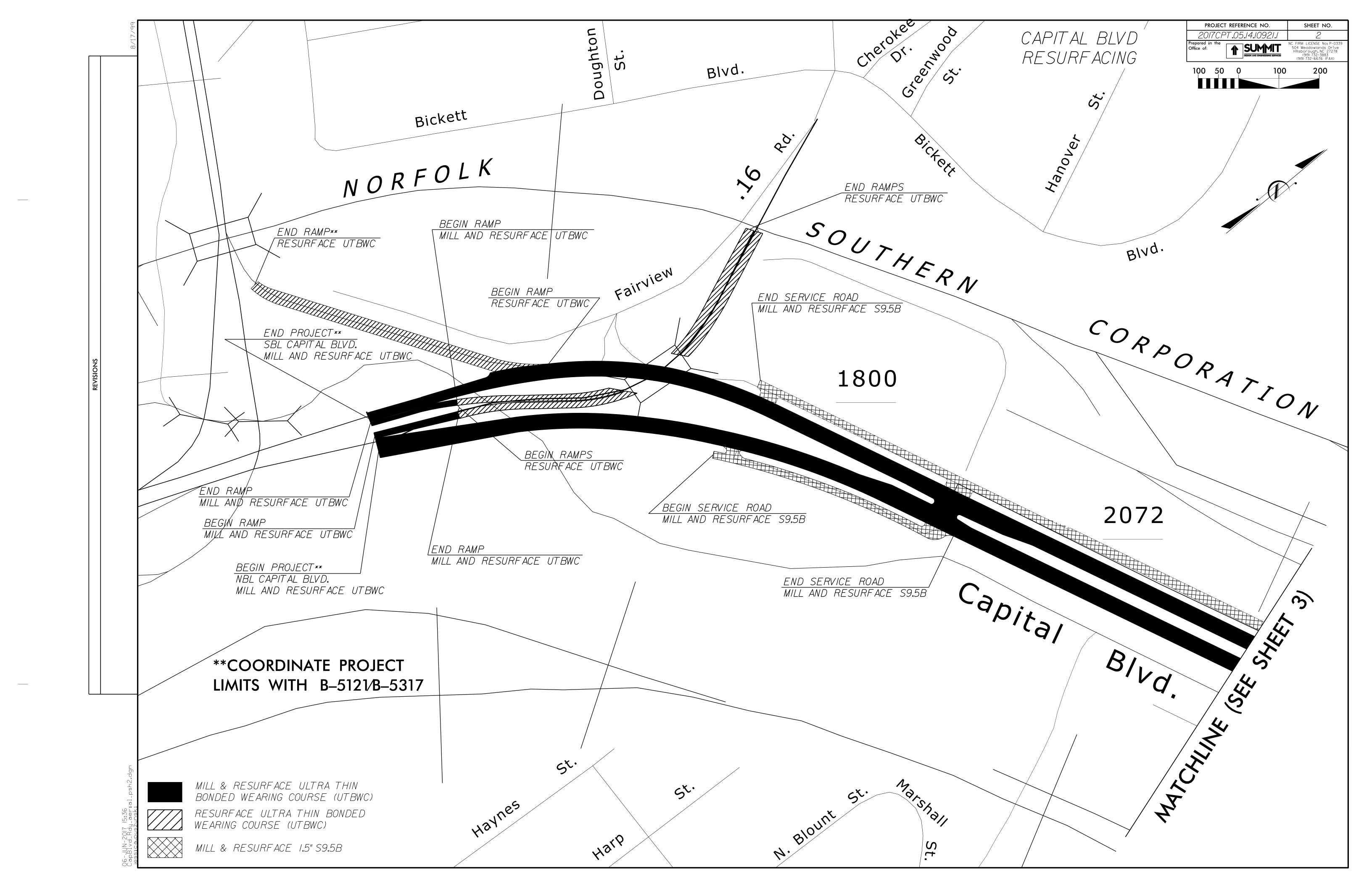
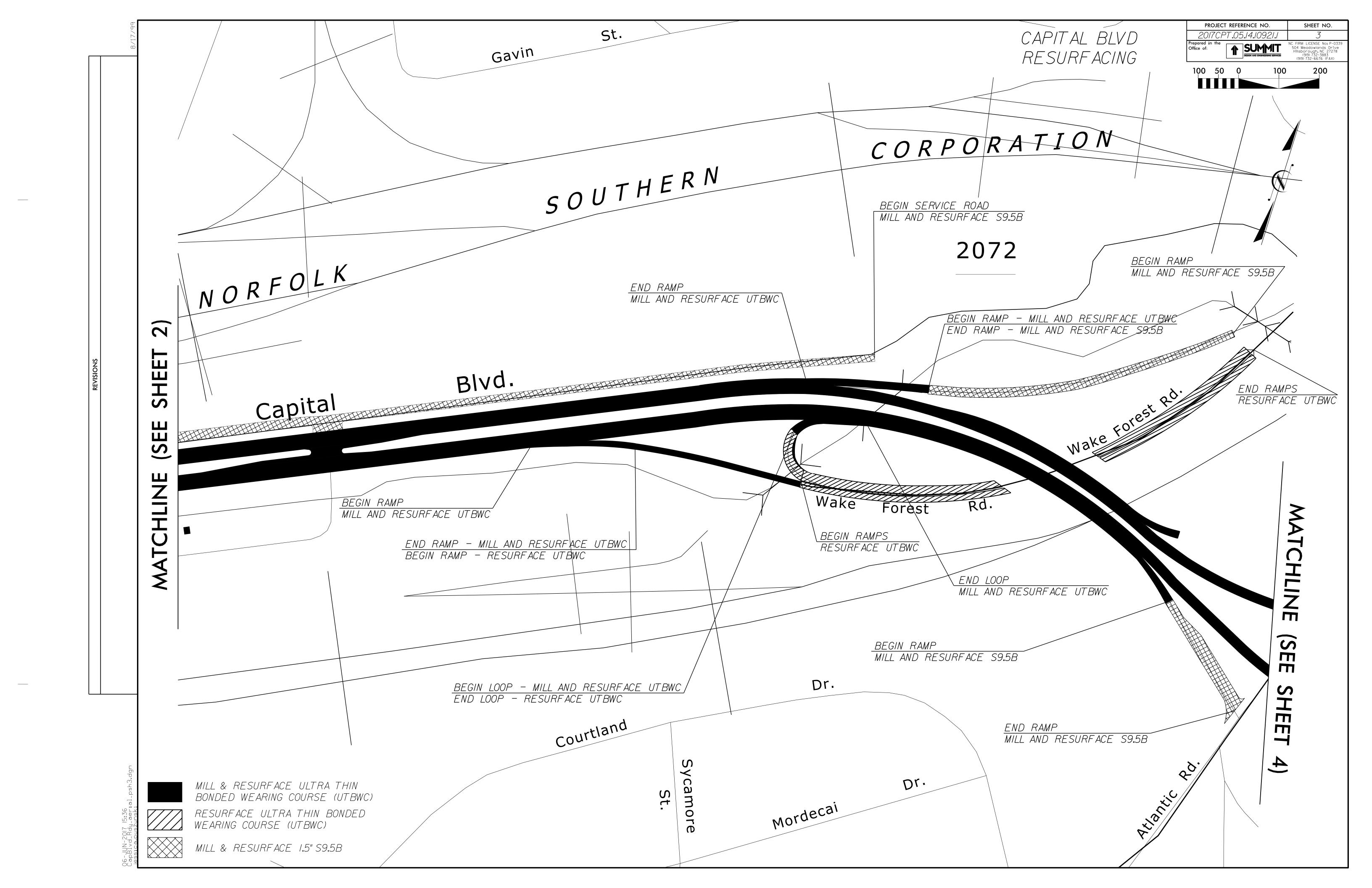
This electronic collection of documents is provided for the convenience of the user and is Not a Certified Document –

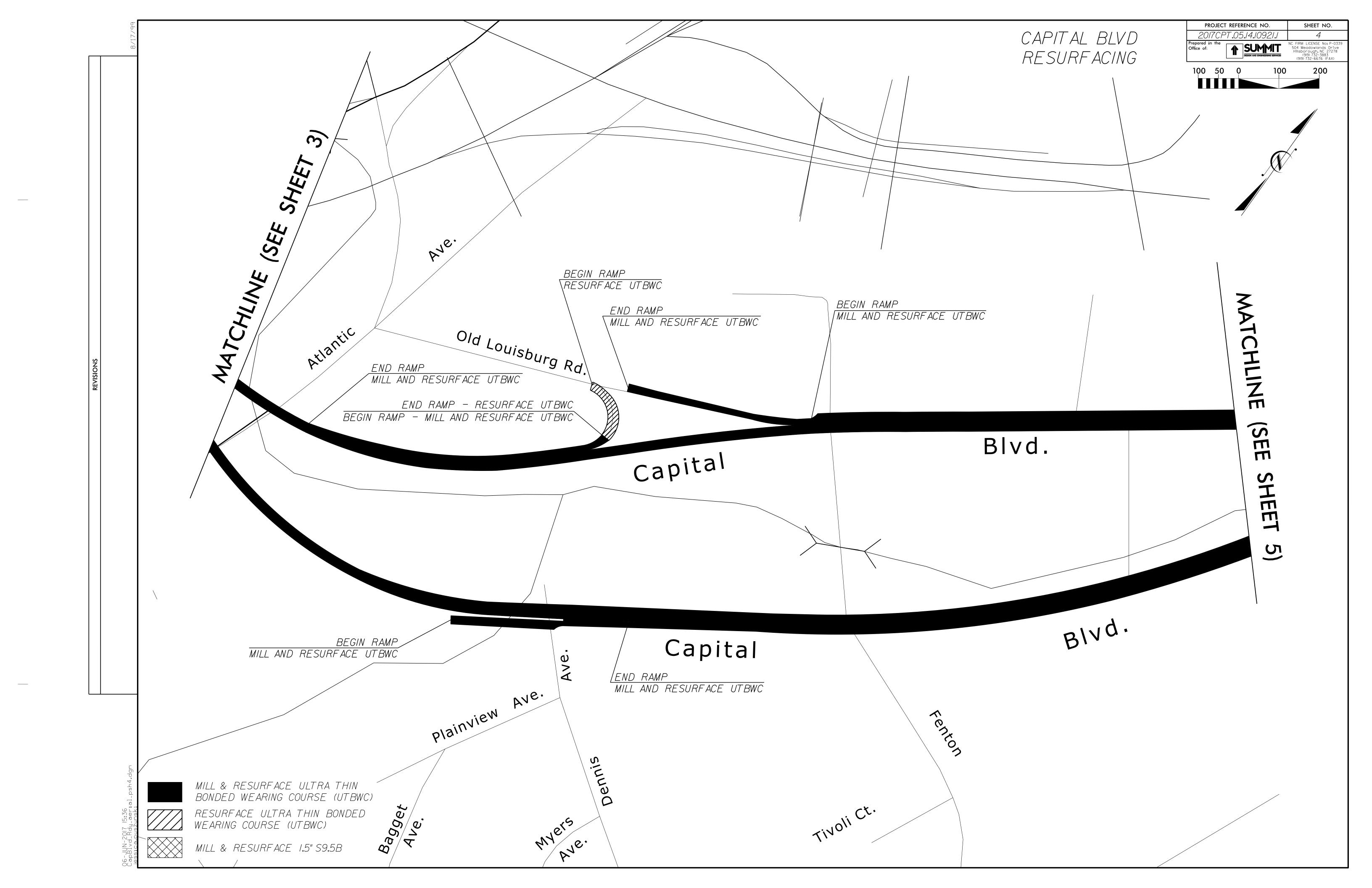
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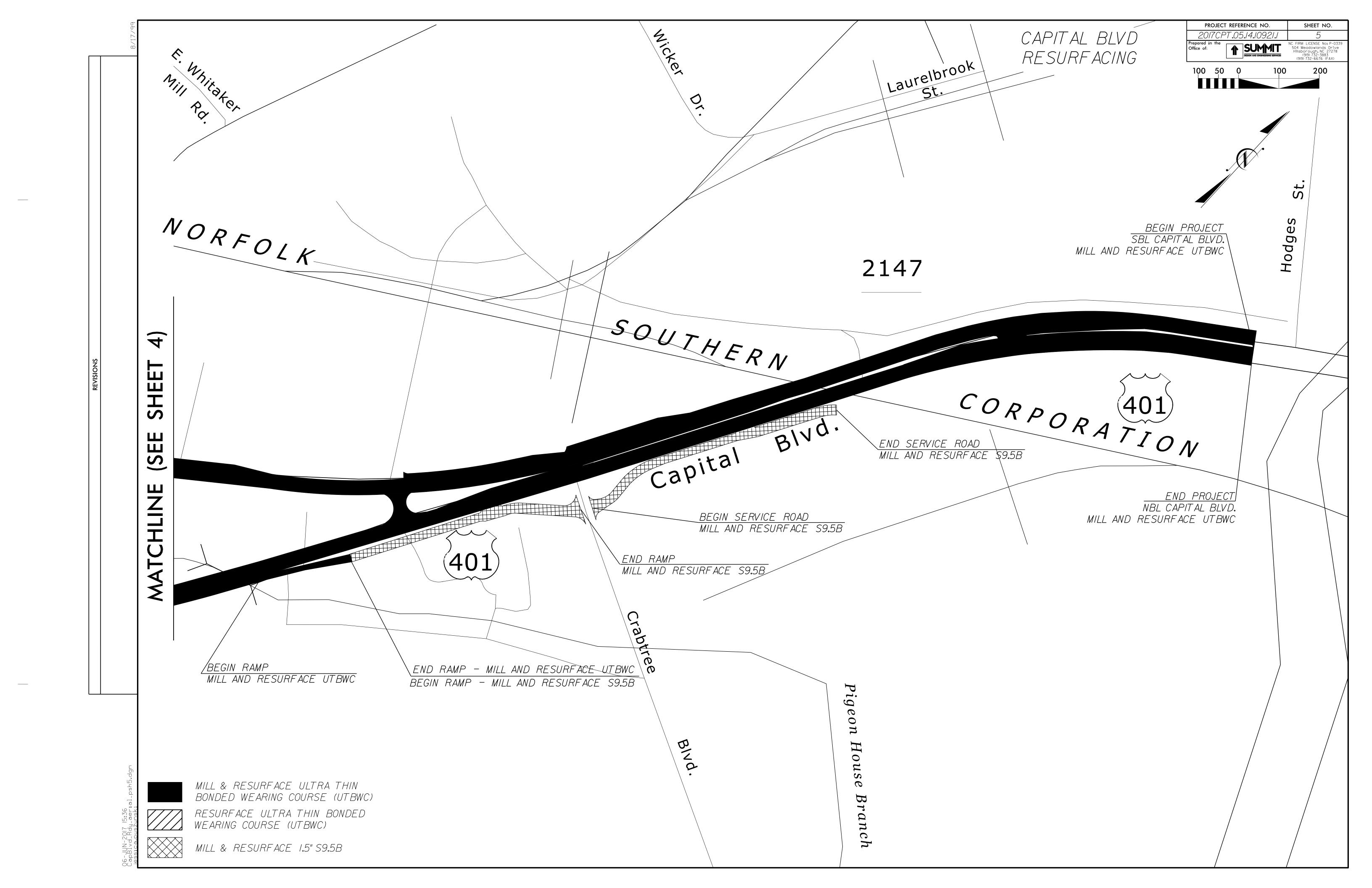
This file or an individual page shall not be considered a certified document.





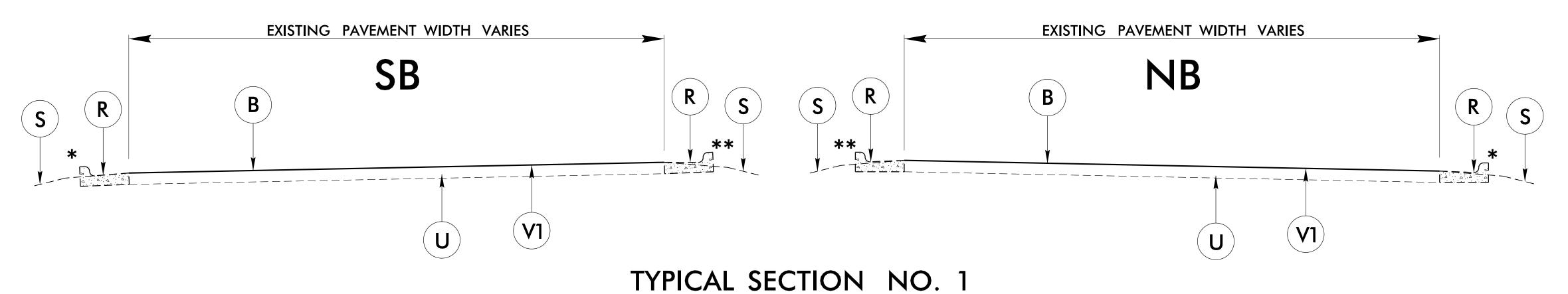






	PAVEMENT	SCHED	ULE
В	ULTRATHIN HOT MIX ASPHALT COURSE AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.	S	PROP. SHOULDER GRADING WITH AGGREGATE SHOULDER BORROW, AS DIRECTED BY THE ENGINEER
С	PROP. APPROX. 1 ½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OR 168 LBS. PER SQ. YD.	U	EXISTING PAVEMENT
E	PROP. APPROX. 10" ASPHALT CONCRETE SURFACE COURSE, TYPE B25.0C AT AN AVERAGE RATE OR 114 LBS. PER SQ. YD.	V1	MILL ASPHALT PAVEMENT, 0" TO 1.5" DEPTH
R	EXISTING CURB AND GUTTER	V2	INCIDENTAL MILLING

- * VARIABLE OUTSIDE SHOULDER – PARTIAL C&G, PARTIAL EARTH SHOULDER
- ** VARIABLE MEDIAN
 SHOULDER PARTIAL C&G,
 PARTIAL EARTH SHOULDER
- # MILL TO EXPOSE EXISTING CONCRETE

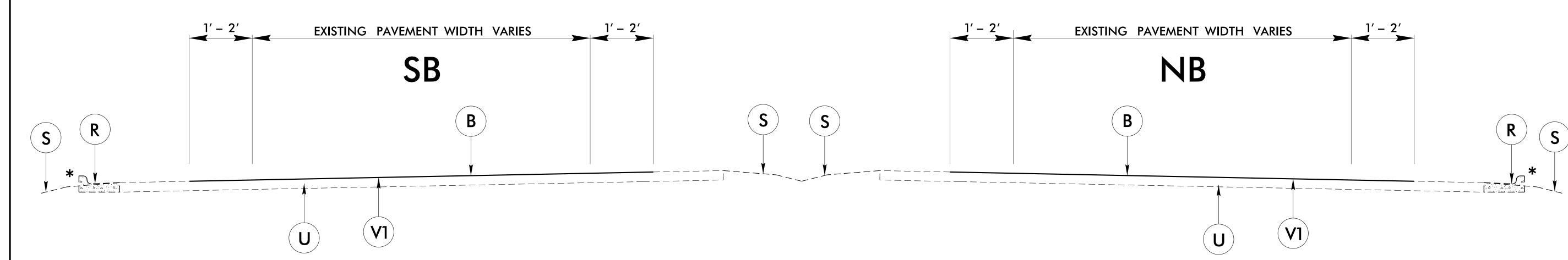


SOUTHBOUND MILL AND RESURFACE UTBWC

North of Fairview Rd to End ProjectCrabtree Blvd to South of Atlantic Ave

NORTHBOUND

Begin Project to North of Fairview RdSouth of Atlantic Ave to Crabtree Blvd



TYPICAL SECTION NO. 2

MILL AND RESURFACE UTBWC #

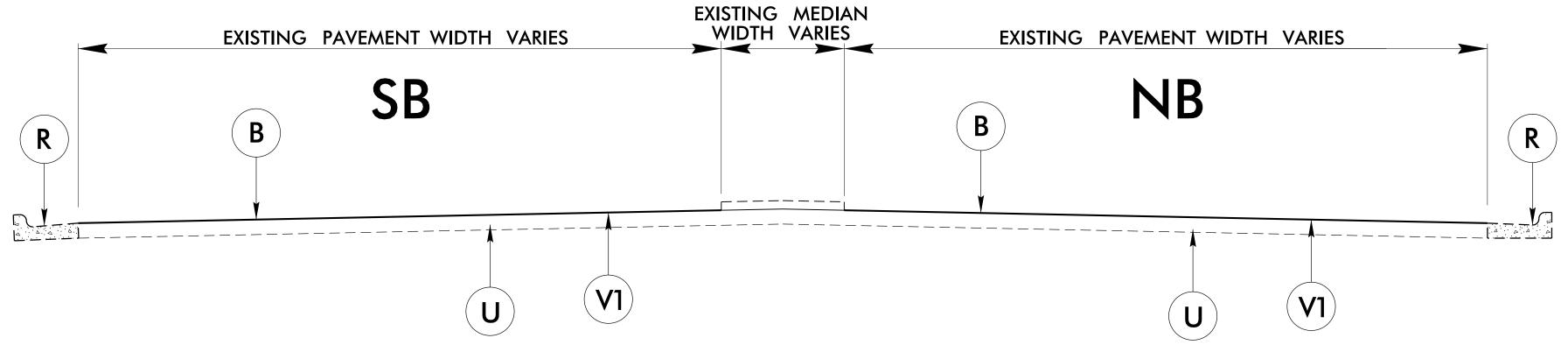
North of Fairview Rd to South of Atlantic Ave

PROJECT REFERENCE NO. 2017CPT.05.14.10921.1 NC FIRM LICENSE No: P-0339
504 Meadowlands Drive
Hillsborough, NC 27278
(919) 732-3883 - (919) 732-6676 (

PAVEMENT SCHEDULE ULTRATHIN $1\frac{1}{2}$ " S9.5B 10" B25.0C EX C&G SHLDR GRADING EX PVMT MILL 0"-1.5" INCIDENTAL MILL

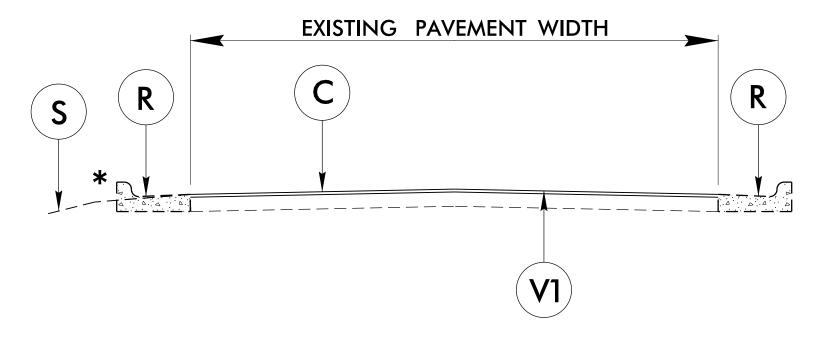
MILL TO EXPOSE EXISTING CONCRETE

* VARIABLE OUTSIDE SHOULDER - PARTIAL C&G, PARTIAL EARTH SHOULDER



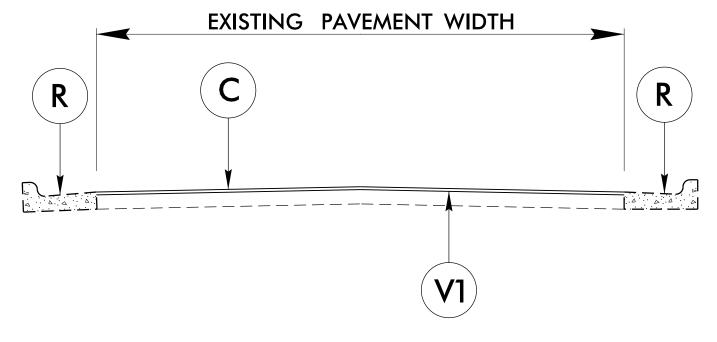
TYPICAL SECTION NO. 3 MILL AND RESURFACE UTBWC

Crabtree Blvd to Hodges St



TYPICAL SECTION NO. 4 MILL AND RESURFACE \$9.5B

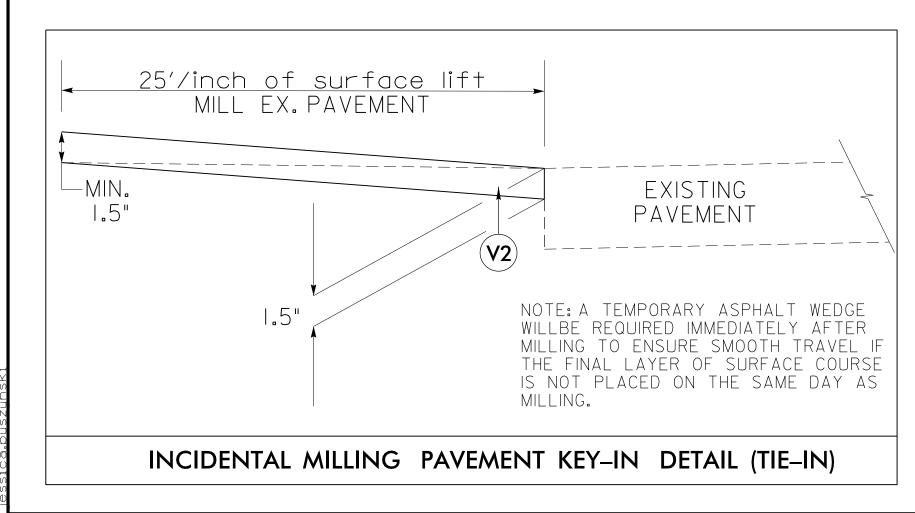
- Southbound Service Rd (Between Wake Forest Rd and Fairview Rd)

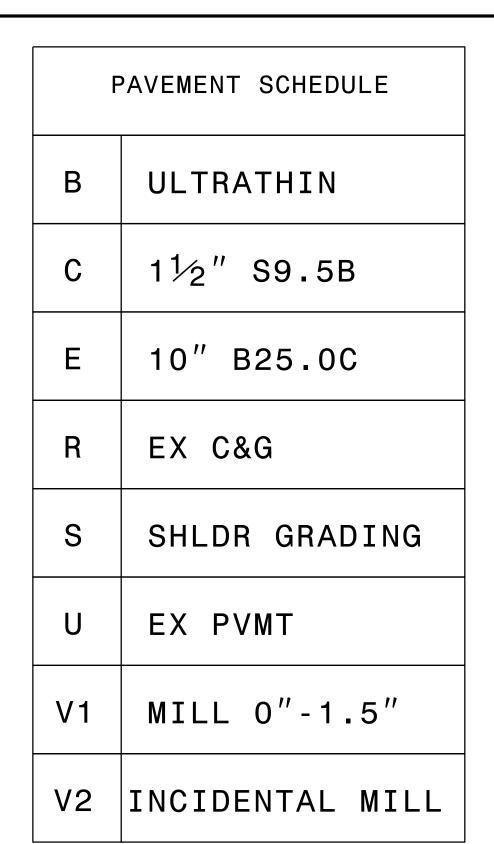


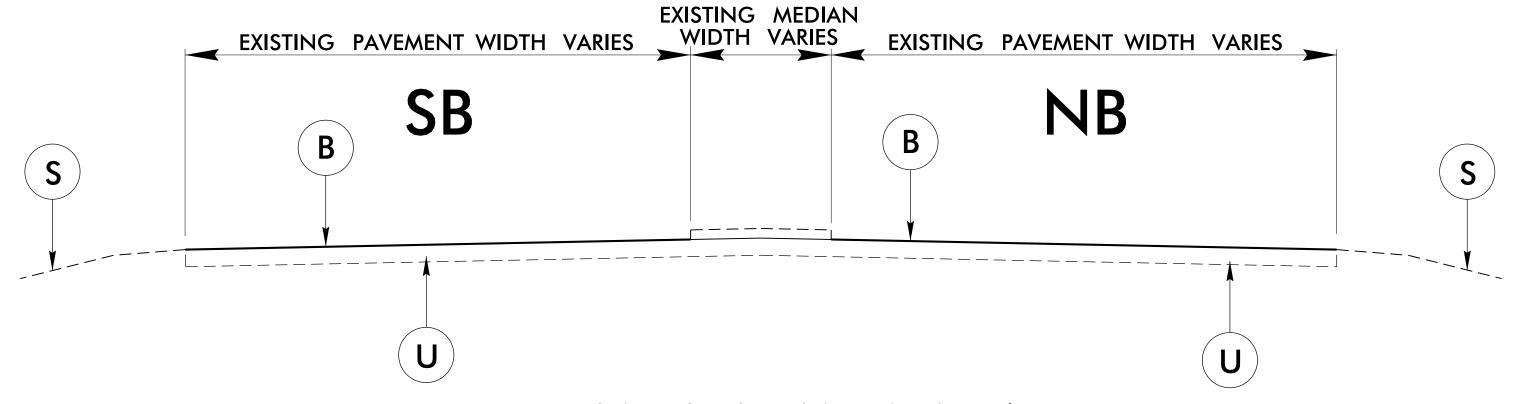
TYPICAL SECTION NO. 5

MILL AND RESURFACE \$9.5B

- Northbound Service Rd (North of Fairview Rd)
 Northbound Slip Ramp to Crabtree Blvd
 Northbound Service Rd (North of Crabtree Blvd)







* PARTIAL C&G, PARTIAL EARTH SHOULDER # MILL TO EXPOSE EXISTING CONCRETE

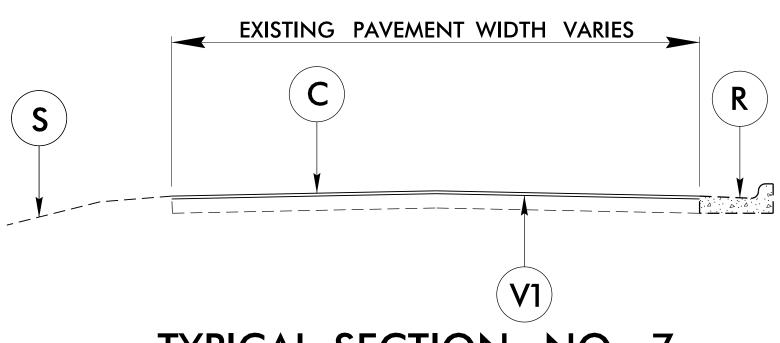
Office of:

NC FIRM LICENSE No: P-0339
504 Meadowlands Drive
Hillsbor ough, NC 27278
(99) 732-3883 - (99) 732-6676

CAPITAL BLVD RESURFACING

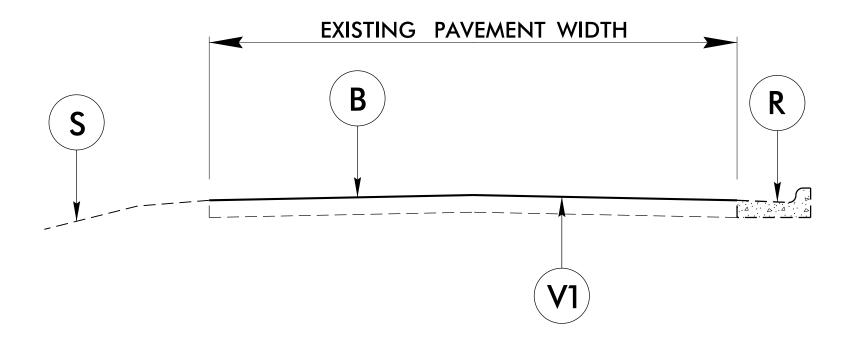
TYPICAL SECTION NO. 6 RESURFACE UTBWC#

Wake Forest Rd (from Ramp/Loop gore to end)



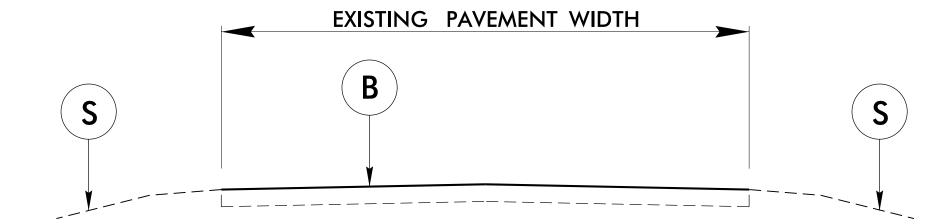
TYPICAL SECTION NO. 7 MILL AND RESURFACE \$9.5B

Northbound Atlantic Ave Off–Ramp



TYPICAL SECTION NO. 8 MILL AND RESURFACE UTBWC#

- Northbound Wake Forest Rd Off–Ramp
- Southbound Atlantic Ave Off–Ramp



EXISTING PAVEMENT WIDTH (s)

TYPICAL SECTION NO. 9

RESURFACE UTBWC

- Northbound On–Loop from Wake Forest RdSouthbound On–Loop from Atlantic Ave

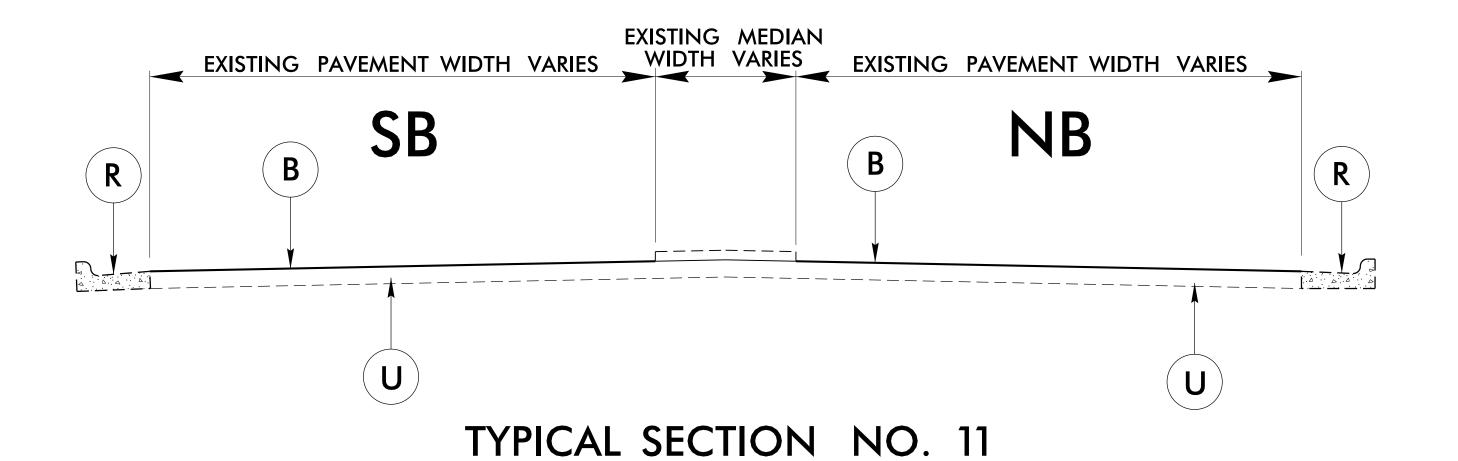
TYPICAL SECTION NO. 10

RESURFACE UTBWC

Southbound Off–Ramp to Wade Ave

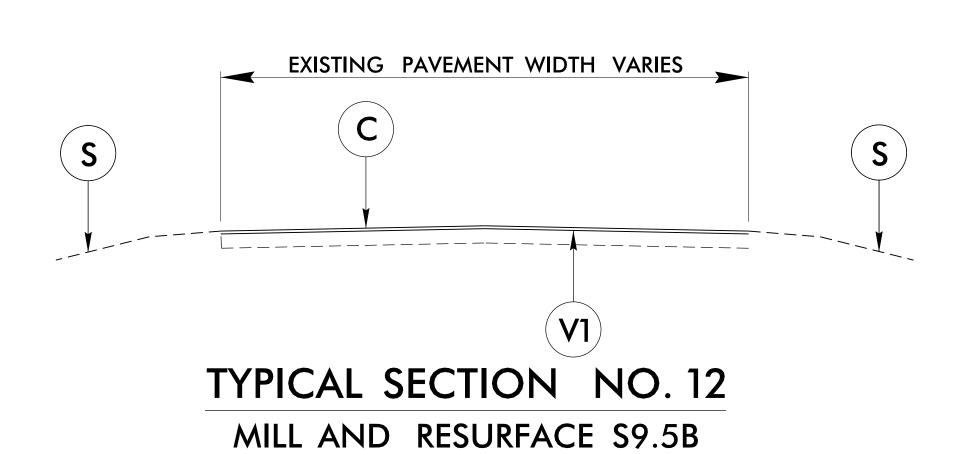
PROJE	ct reference no	•	SHEET NO.
2017C	PT.05.14.1092	2/./	9
Prepared in the Office of:	SUMMIT DESIGN AND ENGINEERING SERVICES	504	RM LICENSE No: P-0339 4 Meadowlands Drive Ilsborough, NC 27278 3883 - (919) 732-6676 (FAX)

F	PAVEMENT SCHEDULE
В	ULTRATHIN
С	1½" S9.5B
E	10" B25.0C
R	EX C&G
S	SHLDR GRADING
U	EX PVMT
V1	MILL 0"-1.5"
V2	INCIDENTAL MILL

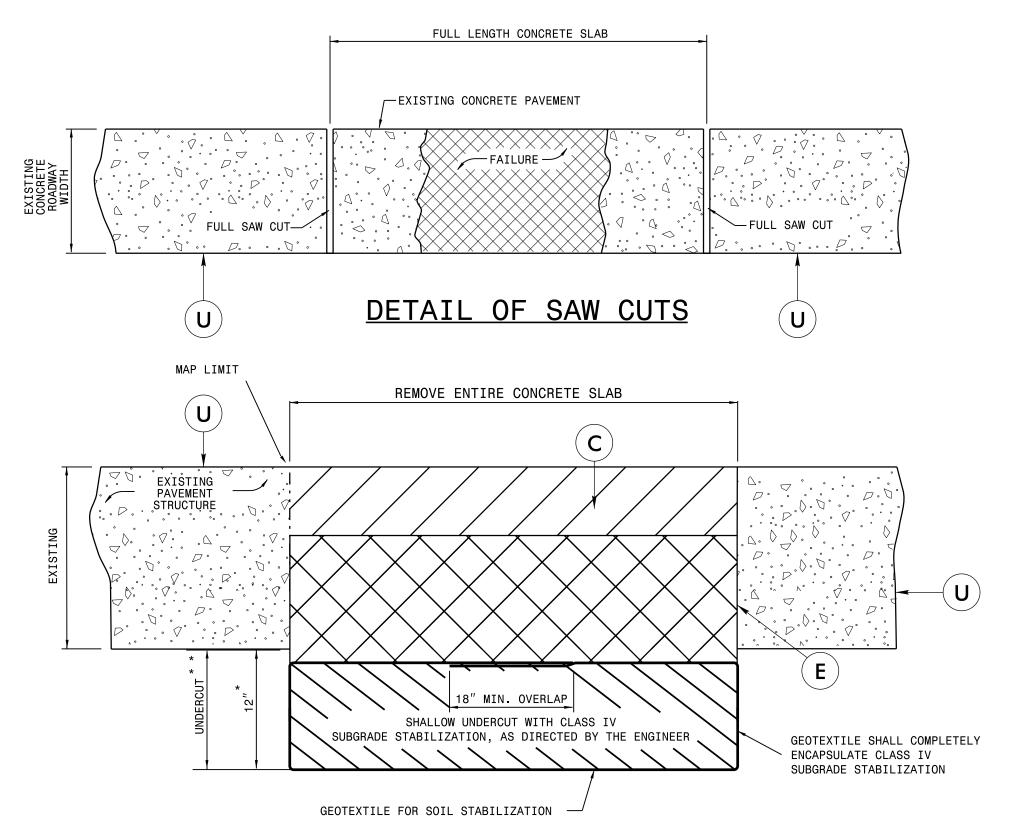


On–Ramp/Off–Ramp to/from Fairview Rd

RESURFACE UTBWC



Southbound Wake Forest Rd On–Ramp



DETAIL OF CONCRETE PAVEMENT REPAIR

- * DIMENSIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED
- ** UNDERCUT REQUIRED ONLY IN AREAS AS DIRECTED BY THE ENGINEER

DETAIL FOR REPLACEMENT TO BE USED AS DIRECTED BY THE ENGINEER

PROJECT NO.	SHEET NO.	TOTAL NO.
2017CPT.05.14.10921.1	10	

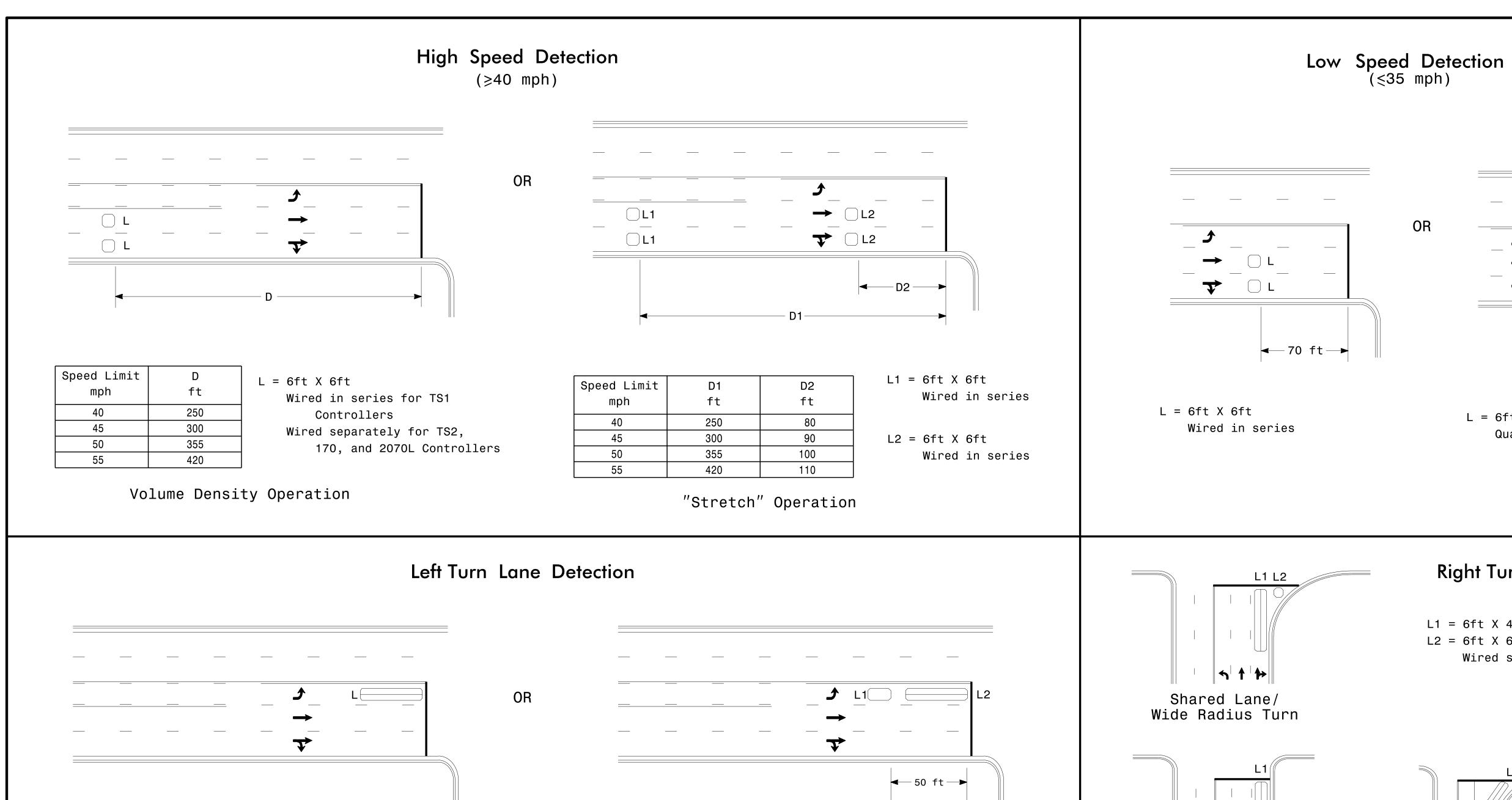
SUMMARY OF QUANTITIES

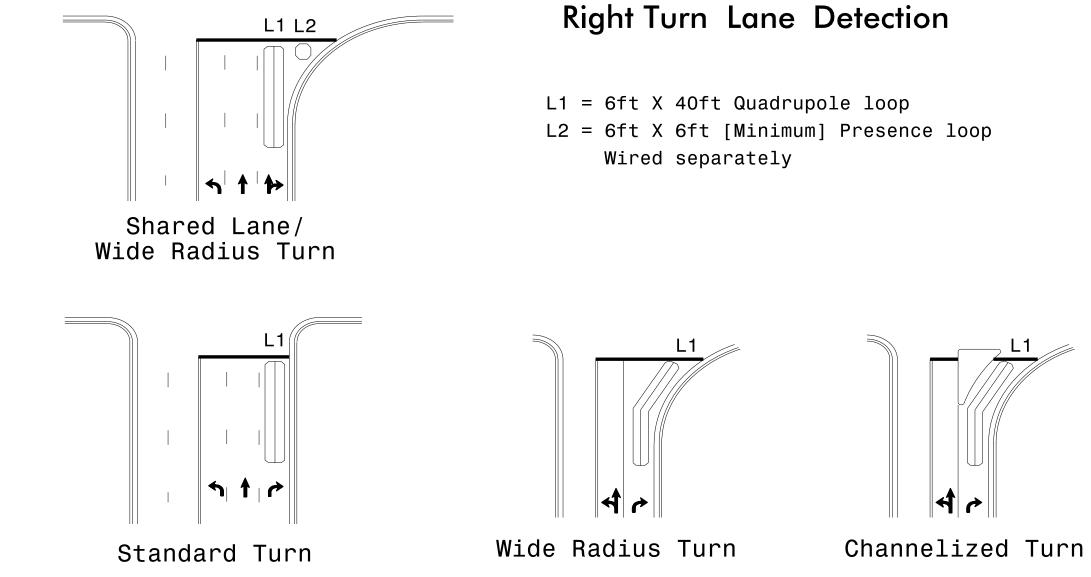
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	FINAL	WARM MIX	LENGTH	WIDTH	REMOVAL	GEOTEXTILE		SHOULDER	SHALLOW	CLASS IV	0" TO 1.5"	INCIDENTAL	BASE	SURFACE	ASPHALT	POLYMER	PATCHING	ULTRA-	SEALING	ADJUST	ADJUST	WORK		LAW	4" YELLOW	4" WHITE	4" LINE R	REML OF	SNOW	PORTABLE	INDUCTIVE
							SURFACE	ASPHALT		0	F EXISTING	FOR SOIL	AGGREGATE	GRADING	UNDERCUT	SUBGRADE	MILLING	MILLING	COURSE,	COURSE,	BINDER FOR	MODIFIED	EXISTING	THIN	EXISTING	MANHOLES	METER OR	ZONE	TEMPORAR	ENFORCEME	COLD	COLD	REMOVAL PVI	MT MRKG P	LOWABLE	LIGHTING	LOOP
							TESTING	REQUIRED			CONCRETE	STABILIZATI	SHOULDER			STABILIZA-			B25.0C	S9.5B	PLANT MIX	ASPHALT	PAVEMENT	BONDED	PAVEMENT	l	VALVE BOX	ADVANCE/	Y TRAFFIC	NT	APPLIED	APPLIED	SYI	MBOLS &	MARKERS	. ,	
						R	EQUIRED				PAVEMENT	ON	BORROW			TION						BINDER FOR	2	WEARING	CRACKS,	l		GENERAL	CONTROL		PLASTIC,		сн	ARACTER		. ,	
											SLABS		(ASB)									PLANT MIX	-	COURSE	JOINTS &			WARNING			TYPE III	TYPE III		S		. ,	
											JEADS		(A30)									I DAINT WILK		COOKSE	SPALLS.			SIGNING						,		. ,	
																									POLYMER			SIGINING								. ,	
																																				. ,	
																									PATCH												
NO		NO			NO				MI	FT	SY	SY	TONS	SMI	CY	TON	SY	SY	TONS	TONS	TON	TON	TONS	TONS	LB	EA	EA	SF	LS	HR	LF	LF	LF	EA	EA	LS	LF
2017CPT.05.14.10921.1	Wake	1 NB	CAPITAL BLVD	WADE AVE TO HODGES ST	1,2,3	2	NO	NO	2.027	26	560	2,024.00	150	0.50	486	977	53,157	700	320	64	18	97	1,162	1,861	17,435.00	7	8	119	0.50	220	430	260	680		280	0.50	2,200
				NB SERVICE RD- NORTH OF																																. ,	
		"	"	FAIRVIEW RD	5	2	NO	NO	0.121								1,367			116	7		40														
		"	"	NB OFF RAMP TO ATLANTIC AVE	7	1	NO	NO	0.065	30							1,144			96	6																
		"	" N	IB SLIP RAMP TO CRABTREE BLVD	5	2	NO	NO	0.117	23							1,579			133	8		67													J	
				NB SERVICE RD - NORTH OF																																. ,	
				CRABTREE BLVD	5	2	NO	NO	0.12	22.5							1,584			134	8		67														
				NB OFF RAMP TO FAIRVIEW RD -																																. ,	
				SKIP BRIDGE	11	1	NO	NO	0.193	18												4		71										1			
				NB OFF RAMP TO WF RD - SKIP																																	
				BRIDGE	8	1	NO	NO	0.188	15												4		69													
			1	NB ON RAMP FROM WF RD - SKIP																																	
				BRIDGE	6	1	NO	NO	0.211	21												4	15	78													
TOTA	L FOR MAP	NO. 1							3.042		560	2,024.00	150	0.50	486	977	58,831	700	320	543	47	109	1,351	2,079	17,435.00	7	8	119	0.50	220	430	260	680	1	280	0.50	2,200
2017CPT.05.14.10921.1	Wake	2 SB	CAPITAL BLVD	HODGES ST TO WADE AVE	1,2,3	2	NO	NO	1.987	26	680	566.00	150	0.50	137	279	49,180	700	388	77	22	90	183	1,721	17,565.00	7	14	119	0.50	220	430	260	680		241	0.50	344
			"	SB OFF RAMP TO ATL AVE	8	1	NO	NO	0.106	16							995					2		35													
			"	SB ON RAMP FROM WF RD	12	1	NO	NO	0.148	22							1,910			161	10																
			"	SB SERVICE RD - SR 2072	4	2	NO	NO	0.618	21							7,614			643	39		107														
		"	"	SB ON-LOOP FROM ATL AVE	9	1	NO	NO	0.035	20.5												1		13													
				SB ON RAMP FAIRVIEW RD - SKIP																																	
				BRIDGE	11	1	NO	NO	0.152	17												3		56													
			"	SB OFF RAMP TO WADE AVE	10	1	NO	NO	0.143	28												3	19	53													
TOTA	L FOR MAP	NO. 2							3.189		680	566.00	150	0.50	137	279	59,699	700	388	881	71	99	309	1,878	17,565.00	7	14	119	0.50	220	430	260	680		241	0.50	344
TOTAL FOR PROJ	NO. 2017C	PT.05.14.1	10921.1						6.231		1,240	2,590.00	300	1.00	623	1,256	118,530	1,400	708	1,424	118	208	1,660	3,957	35,000.00	14	22	238	1.00	440	860	520	1,360	1	521	1.00	2,544
																												•									
G	RAND TOTA	AL							6.231		1,240	2,590.00	300	1.00	623	1,256	118,530	1,400	708	1,424	118	208	1,660	3,957	35,000.00	14	22	238	1.00	440	860	520	1,360	1	521	1.00	2,544
												,				,	.,,						, ,	.,,,,,,,,,	,												

PROJECT NO.	SHEET NO.	TOTAL NO.
2017CPT.05.14.10921.1	11	

THERMOPLASTIC AND PAINT QUANTITIES

	,						_																							
								468500			00000-E		4697000000-E					00000-E			I		000000-E			481000				4905000000-N
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP LANES	LENGTH	WIDTH		4" X 90 M	4" X 120 M	4" X 120 M	8" X 90 M				THERMO MSG											4" YELLOW	8" WHITE	24" WHITE	SNOW
								YELLOW	WHITE	WHITE	YELLOW	WHITE	WHITE	WHITE	WHITE	ONLY 120 M	120 M	LANE 120 M	BUS 120 M	ARROW 90 M	ARROW 9	O ARROW 90	0 & RT ARROW	& LT ARROW		PAINT	PAINT	PAINT	PAINT	PLOWABLE
								THERMO	THERMO	THERMO	THERMO	THERMO	THERMO	THERMO	THERMO						M	M	90 M	90 M	ARROW 90					MARKERS
																									M					1 1
NO		NO			NO			LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	EA
2017CPT.05.14.10921.1	Wake	1	NB CAPITAL BLVD	WADE AVE TO HODGES ST	1,2,3 2	2.027	26	9,760	6,650	6,840	450	1,770	510		190	8				18	16	6	9	3		20,200	15,310	3,420	280	280
				NB SERVICE RD- NORTH OF																										
			"	FAIRVIEW RD	5 2	0.121	19.25																							1 1
			ıı .	NB OFF RAMP TO ATLANTIC AVE	7 1																									
																		1												
			"	NB SLIP RAMP TO CRABTREE BLVD	5 2	0.117	23																							1
				NB SERVICE RD - NORTH OF																										
				CRABTREE BLVD	5 2	0.12	22.5																							1 1
				NB OFF RAMP TO FAIRVIEW RD -	+	0.12	LLIJ					1	1			1				1			1	+						t
				SKIP BRIDGE	11 1	0.193	18							50	25		2													1 1
	1	_		NB OFF RAMP TO WF RD - SKIP		0.133	10							50				1												
				BRIDGE	8 1	0.188	15																							1
				NB ON RAMP FROM WF RD - SKIP														1												
				BRIDGE	6 1	0.211	21																							1 1
TOT	AL FOR MA	AP NO. 1		BNIBGE	1	3.042		9,760	6.650	6,840	450	1,770	510	50	215	8	2			18	16	6	9	3		20.200	15.310	3,420	280	280
2017CPT.05.14.10921.1			SB CAPITAL BLVD	HODGES ST TO WADE AVE	1.2.3 2	1.987		9,850	6,280	7.060		1,700	640	1	60	12		4	3	9	7	12			6	19,730	5,190	3,490	90	241
		"	"	SB OFF RAMP TO ATL AVE	8 1	0.106	16		,	,		, ,															,	,		
		"	"	SB ON RAMP FROM WF RD	12 1	0.148	22					İ		İ		1		İ		İ		1	İ							
			"	SB SERVICE RD - SR 2072	4 2					1		1	1	1				1		1			1	1						
	 		"	SB ON-LOOP FROM ATL AVE	9 1					 	-	1	1	1		1		1		1	†	-	-	+						
	 	1 1		SB ON RAMP FAIRVIEW RD - SKIP	1	0.033	20.5			 	 	1	 	 		1		†			 	+	1	+						_
			"	BRIDGE	11 1	0.152	17															1								1
	1		"	SB OFF RAMP TO WADE AVE	10 1					1	1	1	1	1		 				1		-	1	+						+
TOT	AL FOR MA	AP NO. 2		SS C IUW. TO WADEAVE	10 1	3.189		9.850	6.280	7.060	1	1.700	640	1	60	12		4	3	9	7	12	1	+	6	19.730	5.190	3.490	90	241
					 	6.231	1	19.610	12.930	13,900	450	3,470	1,150	50	275	20	2	4	3	27	23	18	9	3	6	39,930	20,500	6,910	370	521
TOTAL FOR PRO	J NO. 2017	7CPT.05.	14.10921.1		 	5.251	_		540		.350	5,470	2,130	50	-,,,			79	. ,			1 10	86			60.4		5,510	570	
							1	32,	J70	14	,,,,,,,			i .		1		L.J					00			00,	730			

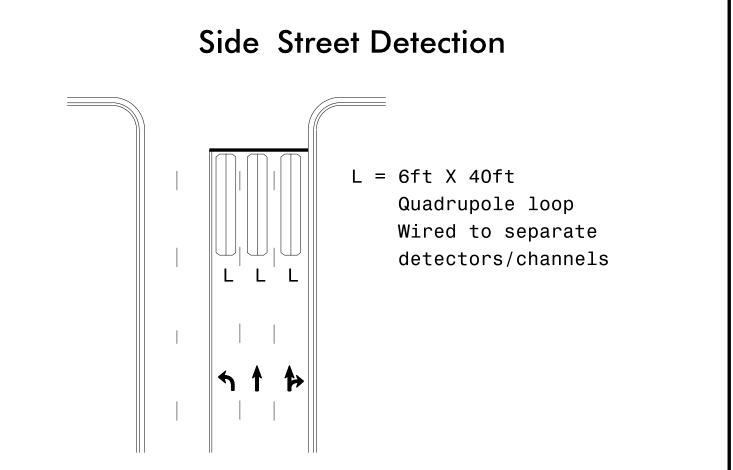




OR

L = 6ft X 40ft

Quadrupole loop, wired separately



L = 6ft X 40ft Quadrupole loop

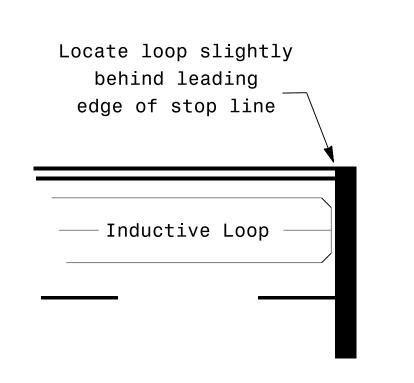
Presence Loop Detection



L1 = 6ft X 15ft Queue detector

L2 = 6ft X 40ft Quadrupole loop

Queue Loop Detection



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

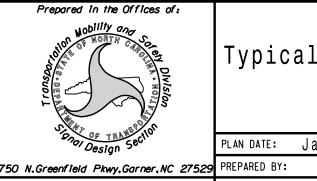
Recommended Number of Turns

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

1011 W±1 00 00	Jaracory, i
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



SCALE

N/A

Typical Signal Loop Locations

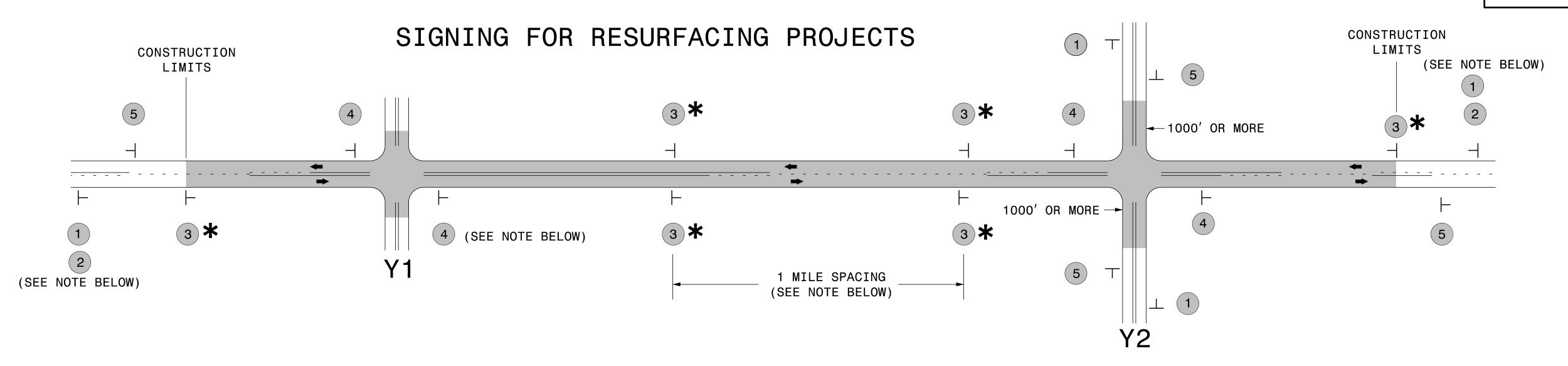
PLAN DATE: January 2015 REVIEWED BY: REVIEWED BY: PLA REVISIONS INIT. DATE

PL Alexander

PROJECT REFERENCE NO.

 PROJ. REFERENCE NO.
 SHEET NO.

 2017CPT.05.14.10921.1
 13



LEGEND

├─ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND SEMENT PER DIRECTION

S

ROAD

UNDER

ROAD WORK

G20–2 A 48" X 24"

PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.

ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.

AHEAD W20-1

W7-3aP #2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH.

XX MILES 24" X 18" ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)

* PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET ½ MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.

THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. 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. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT SP 13106 48" X 48" INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.

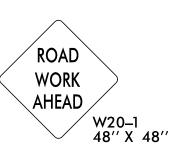
PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.

NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

- 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE
- 2) SUBDIVISION ROADS
- 3) DEAD END ROADS

WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE

-Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

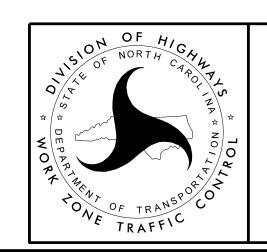




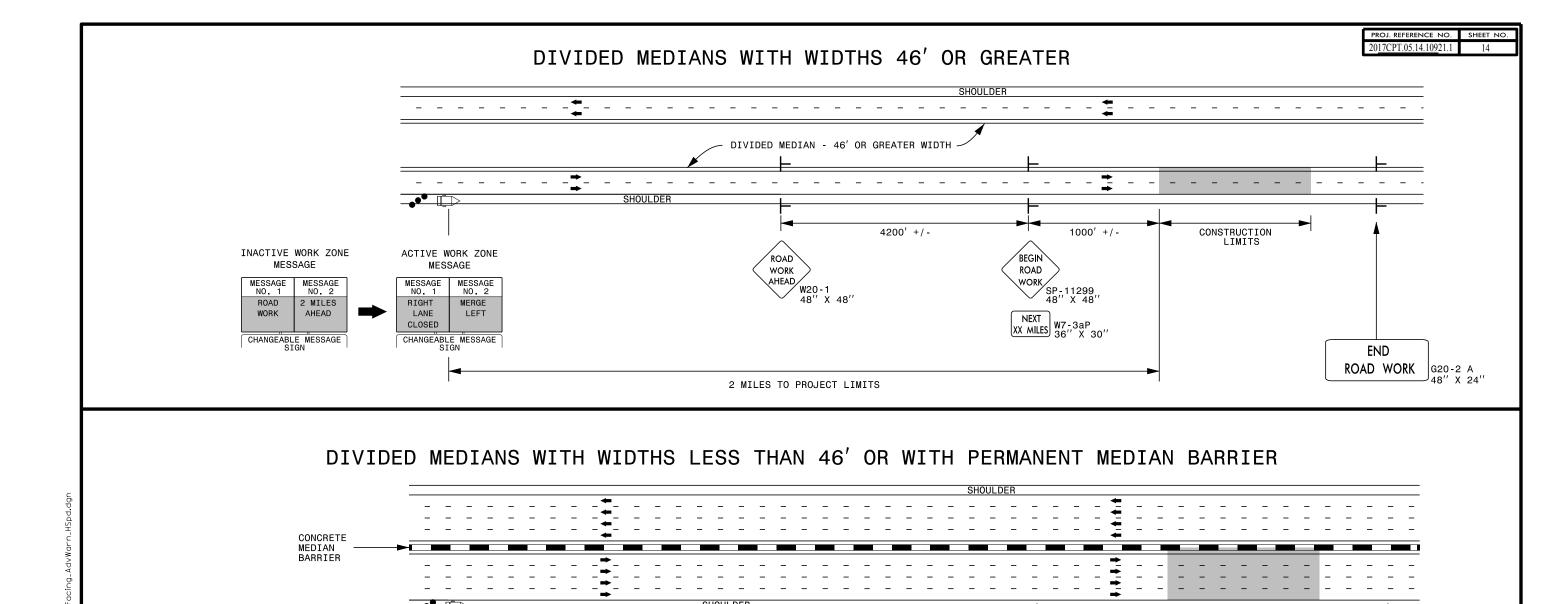
PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS: STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).



RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS



2 MILES TO PROJECT LIMITS



ACTIVE WORK ZONE

MESSAGE

MESSAGE NO. 1 MESSAGE NO. 2

CHANGEABLE MESSAGE SIGN

MERGE

RIGHT

LEFT

LANE

CLOSED

INACTIVE WORK ZONE

MESSAGE

CHANGEABLE MESSAGE SIGN

MESSAGE NO. 2

BEGINS

2 MILES

AHEAD

MESSAGE NO. 1

WORK

- 1) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 6' AS MEASURED FROM THE EDGE OF PAVEMENT.
- 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) FOR MEDIAN WIDTHS LESS THAN 46' (MEASURED EDGELINE TO EDGELINE) USE THE BOTTOM DRAWING.
- 4) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 5) INSTALL "ROAD WORK AHEAD" (W20-1) ALONG ENTRANCE RAMPS 500' PRIOR TO RAMP TERMINAL, AND "END ROAD WORK" (G20-2a) AT THE END OF EXIT RAMPS WITHIN THE WORK ZONE.
- 6) 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 AND WITH DIVIDED MEDIANS OF 46' OR GREATER. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.



CONSTRUCTION LIMITS

1000' +/-

SP-11299 48'' X 48'

XX MILES W7-3aP 36" X 30"

BEGIN

ROAD WORK

RESURFACING ADVANCE
WARNING SIGNS FOR
HIGH SPEED FACILITIES
≥ 60 MPH

END

ROAD WORK G20-2 A

User:mggarre++

LEGEND

DIRECTION OF TRAFFIC

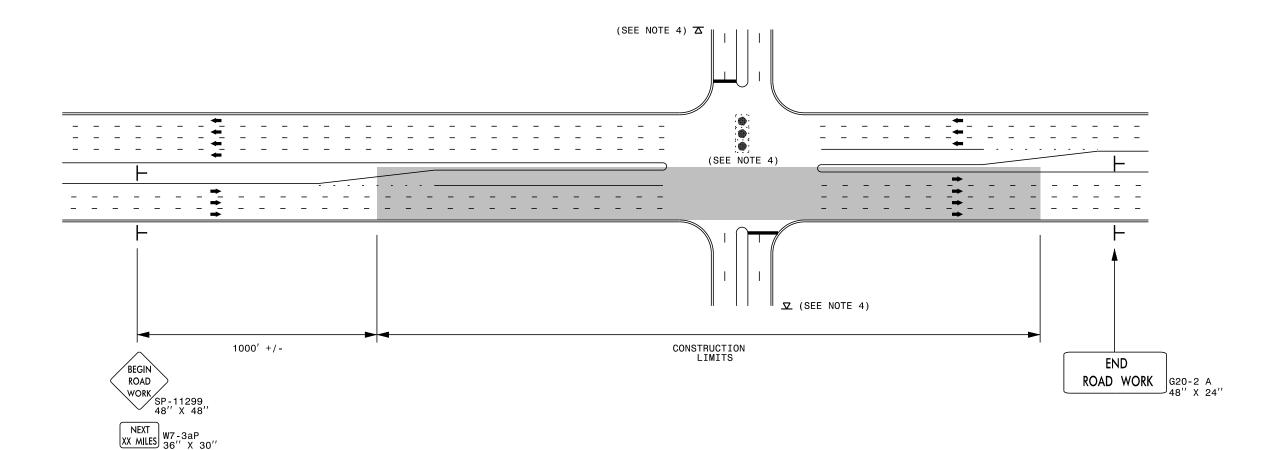
CHANGEABLE MESSAGE

- STATIONARY SIGN

TRAFFIC DRUM

||O/3/20||3 ||S:\TM||\W7TC\|Res|||rfacioa\|3

URBAN / SUBURBAN WORKZONES



NOTES:

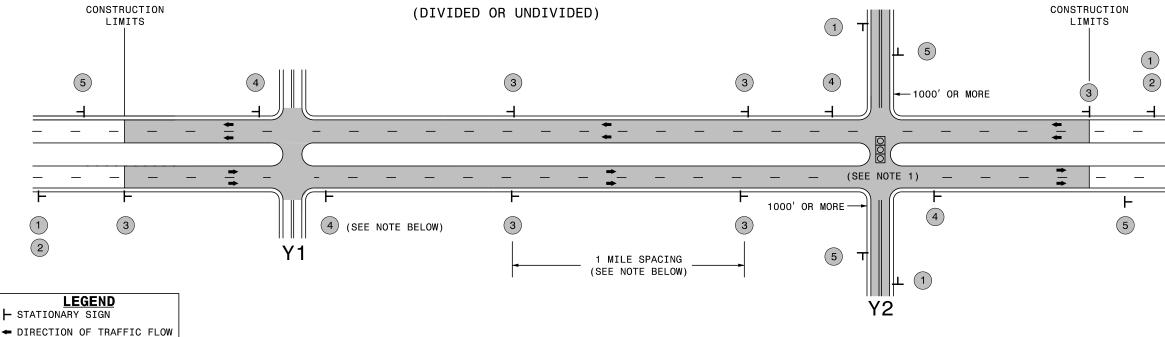
- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. 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.





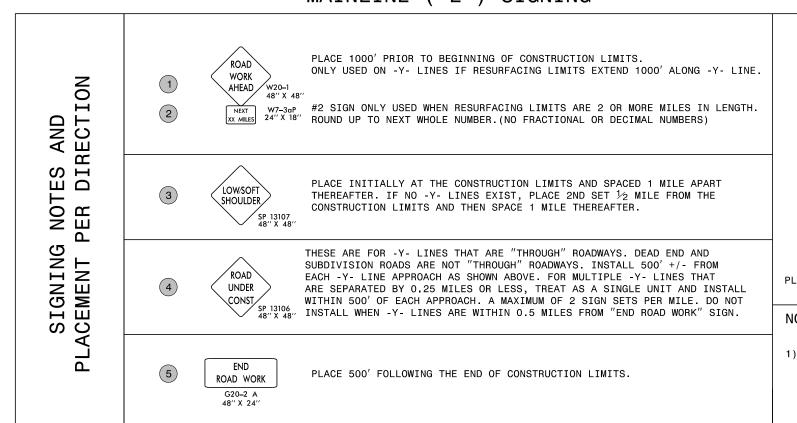
RESURFACING ADVANCE WARNING SIGNS FOR URBAN / SUBURBAN FACILITIES

SIGNING FOR RURAL AND SUBURBAN MULTI-LANE ROADWAYS WITH SHOULDER SECTIONS



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING



NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

- 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE
- 2) SUBDIVISION ROADS
- 3) DEAD END ROADS

WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED
-Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE

-Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.





PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

NOTES:

1) 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.



RESURFACING
ADVANCE WARNING SIGNS
FOR RURAL AND SUBURBAN
MULTI-LANE ROADWAYS
W/ SHOULDER SECTIONS

rtacing/2013Resurtacing/2013Documents/New_Procedures_05_09_2013/Resurtacing_AdvWarn_Ursu_Shldr.<