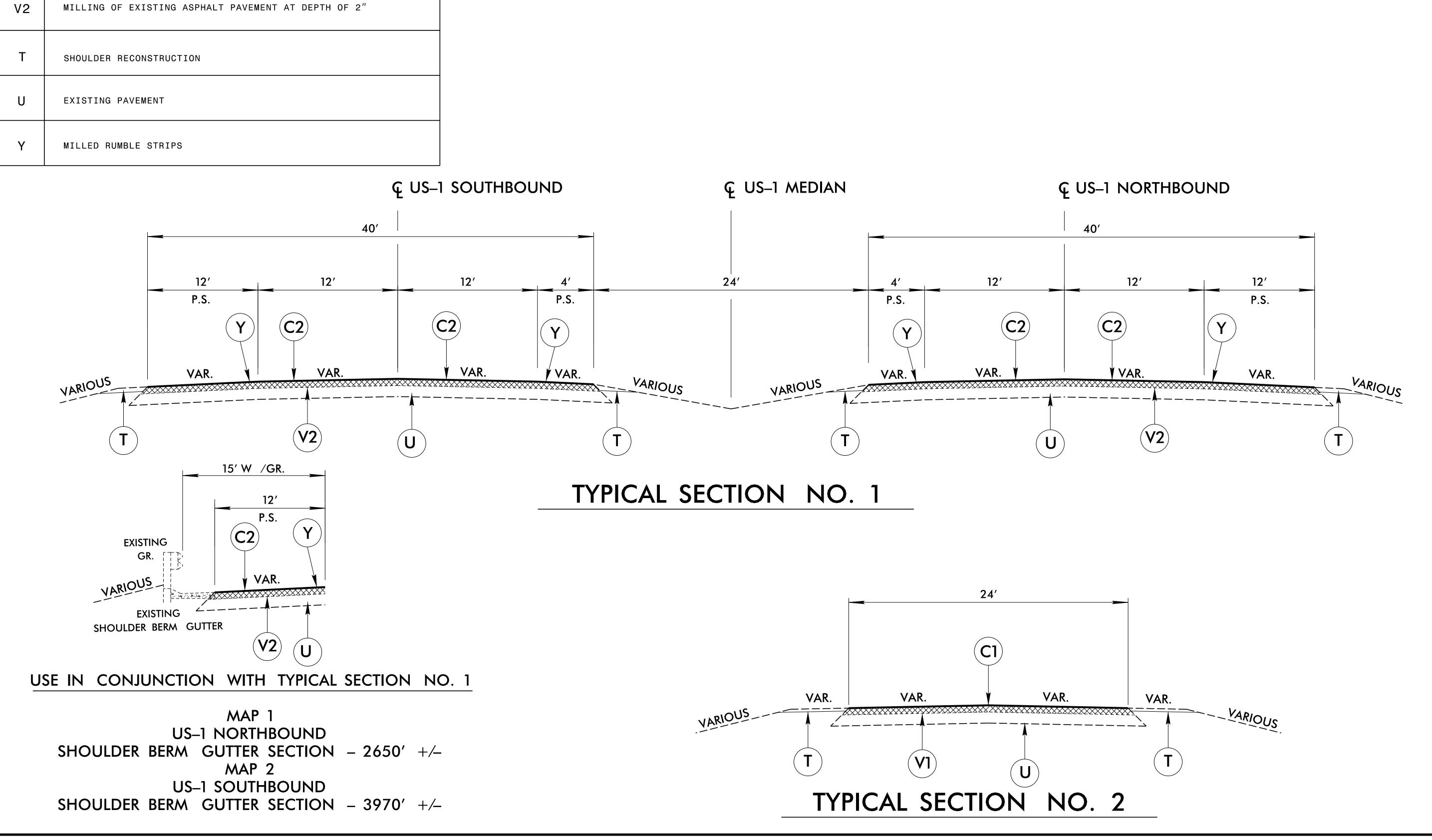


	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
V1	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1½"
V2	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 2"
Т	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
Υ	MILLED RUMBLE STRIPS



PROJECT REFERENCE NO.

2025CPT.05.09.10921.1, etc

SHEET NO.

PROJECT REFERENCE NO.	SHEET NO.
025CPT.05.09.10921.1, etc.	3

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.

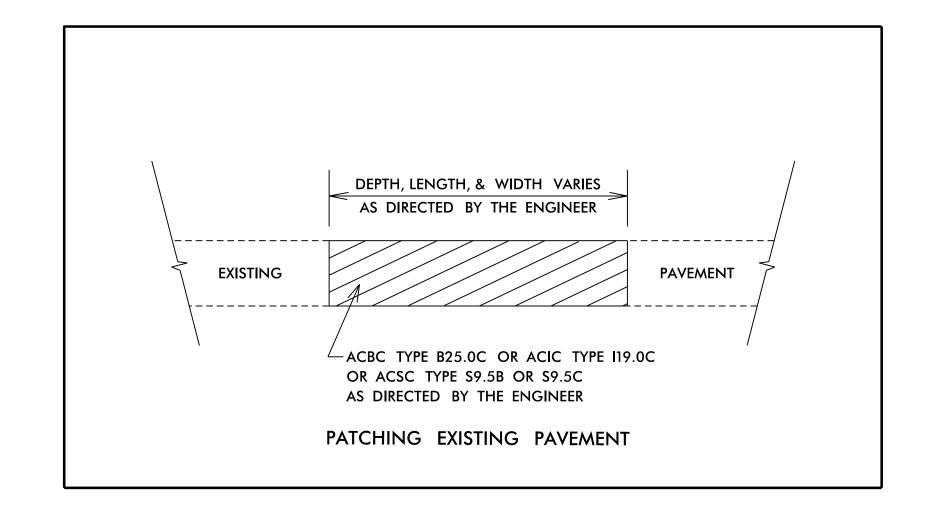
EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.

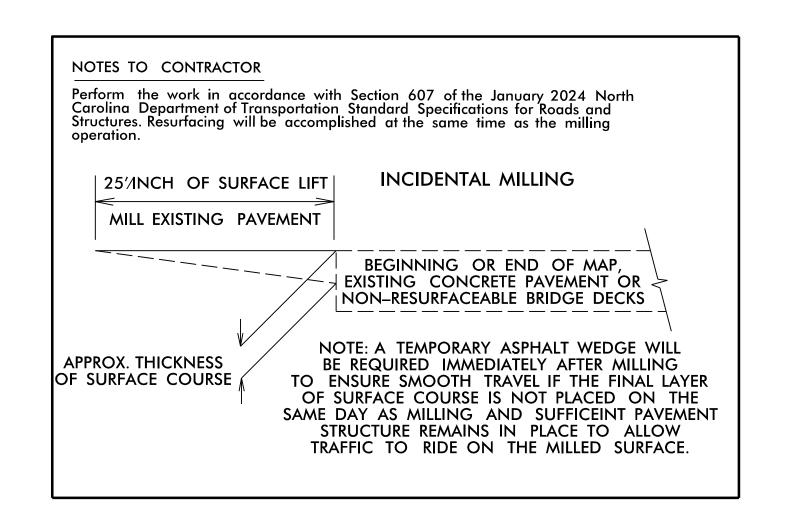
BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

Note:

The median guardrail shall be removed, the shoulder graded to provide for positive water flow from the roadway, and the guardrail re-set in sections that will allow completion in one work session. The newly placed median guardrail shall be tied in with the existing median guardrail and functional prior to opening the lane to traffic each day in accordance with ICT #1.

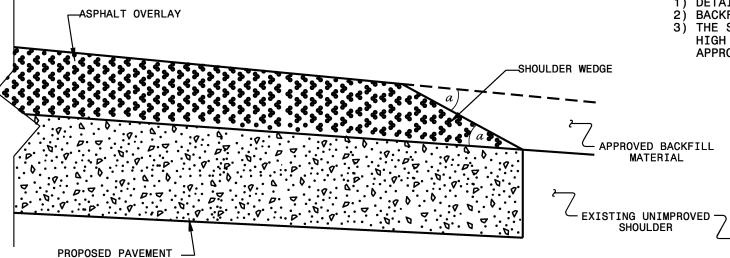
The outside shoulder guardrail shall only be removed, graded, and replaced for shoulder grading as needed for positive water flow from the pavement where shoulder berm gutter does not exist. Any guardrail that is removed shall be replaced and functional each work session in accordance with ICT #1.





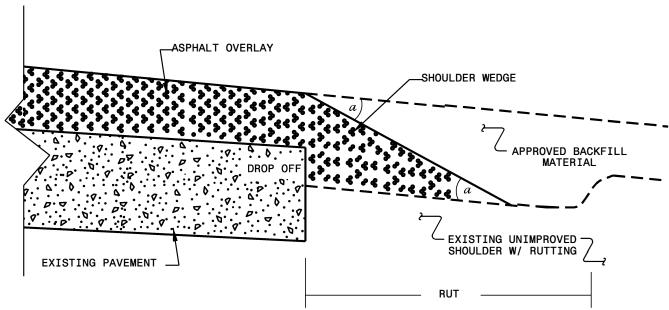
NOTES:

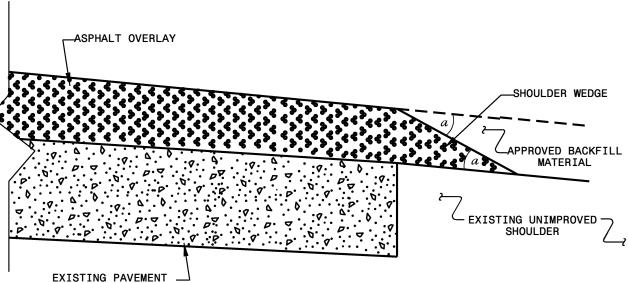
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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 ANGLE = 30°

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

SHOULDER WEDGE DETAILS

DRIGINAL BY:	T.SPELL	DATE:	7-19-11	
MODIFIED BY:		DATE:	2/2/16	
CHECKED BY:		DATE:		
FILE SPEC.: s:u	sr/details/stan	d/shoulderwedged	letail.dgn	

SHOULDER WEDGE DETAIL

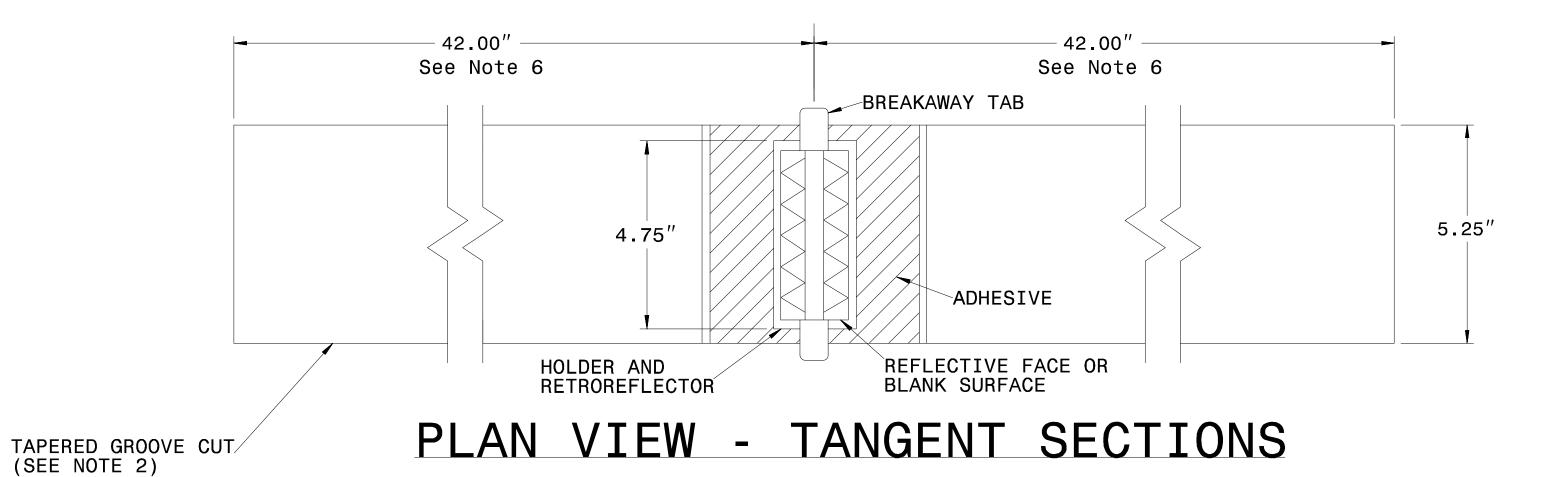
(Resurfacing Adjacent to Rutted Shoulder)

kracts\ikesurtacing Projects\Uivision 4\I-593/ Wilson March 2018\kevised Shoulder Wedge Detai. J-292592

22-JAN-2018 0941 S:\Contracts\Contracts\\Resurfacing P p.porter AT CSD-292592

 PROJECT REFERENCE NO.
 SHEET NO.

 2025 CPT.05.09.10921.1, etc.
 5



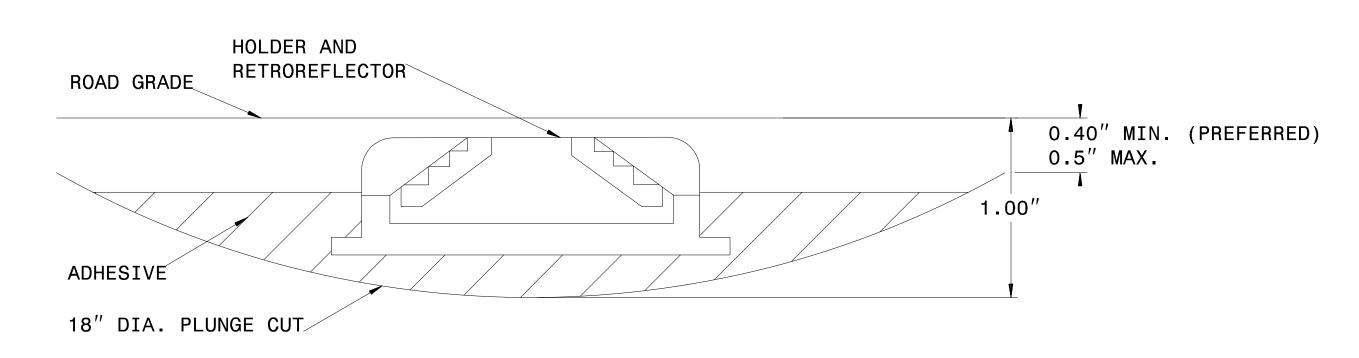
ROAD GRADE

TAPERED GROOVE CUT
(SEE NOTE 2)

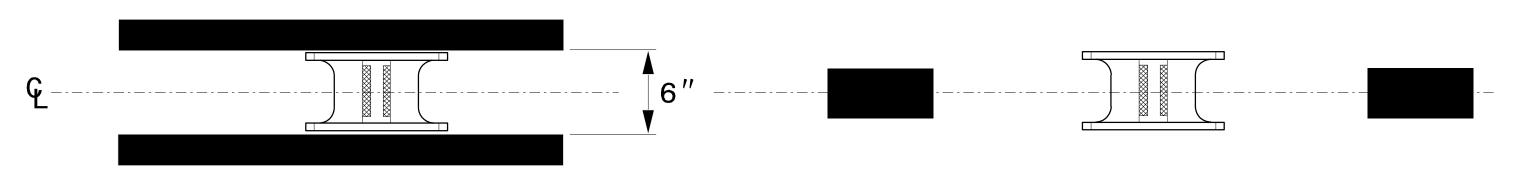
PLUNGE CUT



PROFILE VIEW



DETAIL A



MARKER SPACING

NOTES:

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

CONTRACTS STANDARDS AND DEVELOPMENT UNIT Office 919-707-8950 FAX 919-250-4119

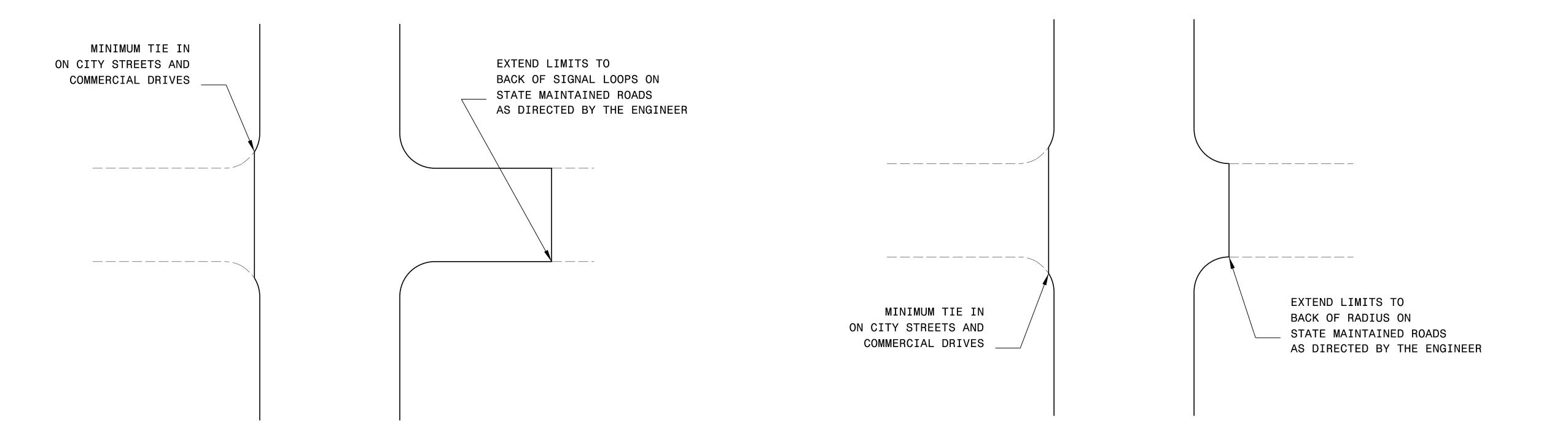
DETAIL OF INLAID CRADLE MARKER

ORIGINAL BY:_	rgwatson	_{DATE} : 02-06-2	2024
MODIFIED BY:		DATE:	
CHECKED BY:		DATE:	
ETLE SDEC :			

PROJECT REFERENCE NO.	SHEET NO.
2025CPT.05.09.10921.1, etc.	6

TYPICAL DETAIL OF PROJECT LIMITS AT

UNSIGNALIZED Y LINES



TYPICAL DETAIL OF PROJECT LIMITS AT

SIGNALIZED Y LINES

	ADDITIONAL INTERSECTIONS (NON-	TYPICAL)											
	Extend paving limits to back of radius or loop on the following intersections:												
MAP#	STREET NAME	COMMENTS											
N/A													

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.05.09.10921.1,	7	
5.109211F		

SUMMARY OF QUANTITIES

										12200	000000-E 1	245000000-E	1260000000-	E 129700	0000-E	1330000000-E	1523000000-E	1575000000-E	1704000000-E	1841000000-	2484000000-E	3210000000-N	3287000000-N	3345000000-E	4	4600000000	0-N	5255000000-N
PROJECT	NO	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES L	ANE LEN	NGTH V	WIDTH INCI	IDENTAL	SHOULDER	AGGREGATE	2"	11/2"	INCIDENTAL	SURFACE	ASPHALT	PATCHING	MILLED	GEN	GUARDRAIL	GUARDRAIL	REMOVE &	GEN TC	GENTC	GEN TC	PORTABLE
			NO			NO	T	YPE		STO	NE BASE R	ECONSTRUC	SHOULDER	MILLING	MILLING	MILLING	COURSE,	BINDER FOR	EXISTING	RUMBLE	DRAINAGE	ANCHOR UNIT	ANCHOR	RESET	ITEM -	ITEM -	ITEM -	LIGHTING
												TION	BORROW				S9.5C	PLANT MIX	PAVEMENT	STRIPS	ITEM, CLEAR	- CAT-1	UNITS, TYPE	EXISTING	SINGLE		RAMP/LOOP	
																				(ASPHALT	EXIST SHLDR		TL-3	GUARDRAIL	LANE	TED LANE	CLOSURES	ļ
																				CONCRETE),	BERM GUTTER				CLOSURE	CLOSURE	, ,	
																				16"						SYSTEM	, ,	
									MI	FT T	ONS	SMI	TON	SY	SY	SY	TONS	TON	TONS	LF	LF	EA	EA	LF	EA	EA	EA	LS
2025CPT.05.09	.10921.1	Wake	1	US-1 N / US 1 HWY	FROM SR 1134 TO PAVEMENT JOINT	1	2 2	WD 6.	.465	40		9.35	1,649	147,935		822	17,182	1,014	15	68,358					48.00	1	4	1.00
					FROM PAVEMENT JOINT TO																					ļ	, ,	
2025CPT.05.09	.10921.1	Wake	2	US-1 S / US 1 HWY	CHATHAM CO	1	2 2	WD 6	6.1	40		8.80	1,552	140,281		878	16,304	963	15	64,550					45.00	1	4	
2025CPT.05.09	.10921.1	Wake	3	RMP-1250 / US 1 EXIT 89 RAMP NB	FROM US 1 NORTH TO SR 1127	2	1	0.	.156	24	10	0.31	55		2,844	200	264	16	8	50								
2025CPT.05.09	.10921.1	Wake	4	RMP-1251 / NEW HILL HOLLEMAN RD TO US1 RAMP NB	FROM SR 1127 TO US 1 NORTH	2	1	0.	.202	24	10	0.40	71		4,046	200	368	22									į į	
2025CPT.05.09	.10921.1	Wake	5	RMP-1252 / US 1 EXIT 89 RAMP SB	FROM US 1 SOUTH TO SR 1127	2	1	0.	.152	24	10	0.30	54		2,345	200	221	13									,	
					FROM CHATHAM CO TO US 1																						, ,	
2025CPT.05.09	.10921.1	Wake	6	RMP-1253 / NEW HILL HOLLEMAN RD TO US1 RAMP SB	SOUTH	2	1	0.	.168	24	10	0.34	59		3,601	200	330	19								,	, ,	
		TOTAL	COR RRO	NO. 2025CPT.05.09.10921.1				13	3.243		40	19.50	3,440	288,216	12,836	2,500	34,669	2,047	38	132,958					93.00	2	8	1.00
		IOIAL	FOR FRO	1NO. 2023CF1.03.09.10921.1																								
5.10921	1F	Wake	1	US-1 N / US 1 HWY	FROM SR 1134 TO PAVEMENT JOINT	1	2 2	WD 6.	.465	40											2,650.00	1.00	1.00	45,892.00	42.00	ļ	, ,	
					FROM PAVEMENT JOINT TO																						į į	
5.10921	1F	Wake	2	US-1S/US1HWY	CHATHAM CO	1	2 2	WD 6	6.1	40											3,970.00	1.00	1.00	39,263.00	38.00		į J	
	•	-	TOTAL EC	R PROJ NO. 5.109211F				12	2.565												6,620.00	2.00	2.00	85,155.00	80.00			
			I O I AL FU	N FNOJ NO. 3.103211F																								
	•														•	•			•	•	•			•	•			
				GRAND TOTAL				25	808.		40	19.50	3,440	288,216	12,836	2,500	34,669	2,047	38	132,958	6,620.00	2.00	2.00	85,155.00	173.00	2	8	1.00
				TRANDICIAL																								

PROJECT NO.	SHEET NO.	TOTAL NO.
025CPT.05.09.10921.1, 5.109211	8	

THERMOPLASTIC AND PAINT QUANTITIES

										440000000-E	4423000000-N	4424000000-N	4434000000-N	4510000000-N	46880	00000-E	4700000000-E		4725000000-Е		4895000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE	LENGTH	WIDTH	STATIONARY	WORK ZONE	WORK ZONE	SEQUENTIAL	LAW	6" X 90 M	6" X 90 M	12" X 90 M	THERMO MERGE	WRONG-WAY	THERMO STR	INLAID
					NO		TYPE			WORK ZONE	DIGITAL	PRESENCE	FLASHING	ENFORCEMEN	WHITE	YELLOW	WHITE	ARROW 90 M	RAMP ARROW	ARROW 90 M	CRADLE
										SIGN	SPEED LIMIT	LIGHTING	WARNING	T	THERMO	THERMO	THERMO		90 M		MARKERS
											SIGNS		LIGHTS								
								MI	FT	SF	EA	EA	EA	HR	LF	LF	LF	EA	EA	EA	EA
2025CPT.05.09.10921.1	Wake	1	US-1 N / US 1 HWY	FROM SR 1134 TO PAVEMENT JOINT	1	2	2WD	6.465	40	224	5	14	12	1,232	47,460	37,600	1,120	3			590
				FROM PAVEMENT JOINT TO																	1
2025CPT.05.09.10921.1	Wake	2	US-1 S / US 1 HWY	CHATHAM CO	1	2	2WD	6.1	40	224	5	14	12	1,163	44,720	35,510	1,280	3			560
2025CPT.05.09.10921.1	Wake	3	RMP-1250 / US 1 EXIT 89 RAMP NB	FROM US 1 NORTH TO SR 1127	2	1		0.156	24						480	490			1		14
2025CPT.05.09.10921.1	Wake	4	RMP-1251 / NEW HILL HOLLEMAN RD TO US1 RAMP NB	FROM SR 1127 TO US 1 NORTH	2	1		0.202	24						690	690				1	
2025CPT.05.09.10921.1	Wake	5	RMP-1252 / US 1 EXIT 89 RAMP SB	FROM US 1 SOUTH TO SR 1127	2	1		0.152	24						430	430			1		14
2025CPT.05.09.10921.1	Wake	6	RMP-1253 / NEW HILL HOLLEMAN RD TO US1 RAMP SB	FROM CHATHAM CO TO US 1 SOUTH	2	1		0.168	24						600	600				1	
	TOTAL	EOD DD	OJ NO. 2025CPT.05.09.10921.1					13.243		448	10	28	24	2,395	94,380	75,320	2,400	6	2	2	1,178
	IOIAI	. FUN FN	3) NO. 2023CF1.03.03.10321.1												169	,700			10		
5.109211F	Wake	1	US-1 N / US 1 HWY	FROM SR 1134 TO PAVEMENT JOINT	1	2	2WD	6.465	40					462							
				FROM PAVEMENT JOINT TO																	
5.109211F	Wake	2	US-1 S / US 1 HWY	CHATHAM CO	1	2	2WD	6.1	40					418							
		TOTAL F	OR PROJ NO. 5.109211F					12.565				<u> </u>		880					<u> </u>		
	101AL 1 0K F ROJ NO. 3.1032111																				
			·	·																	
			GRAND TOTAL					25.808		448	10	28	24	3,275	94,380	75,320	2,400	6	2	2	1,178
GRAND TOTAL													169,700				10				

