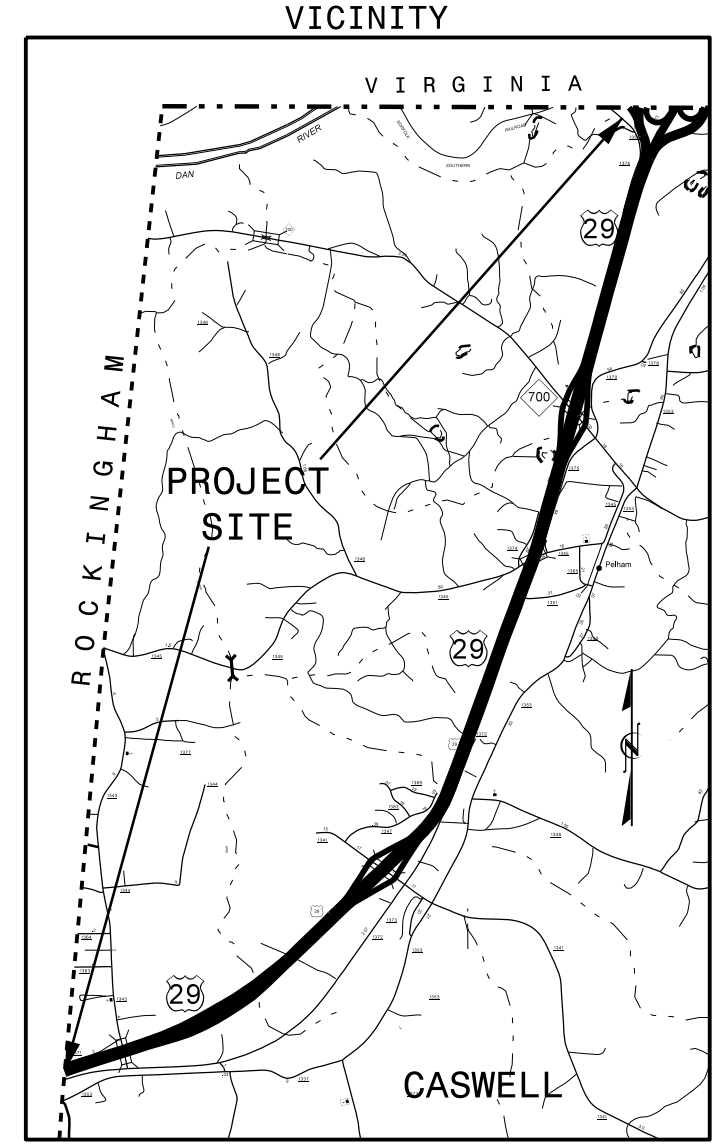


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 \\dot\dfsroot\Groups-Div7CC\DDC\10-RESURFACING PROJECTS\2020 CR Resurfacing\Caswell\2020CPT.07.08.10171(US 29)\To Raleigh\2020CPT.07.08.10171 Title.dgn
 bicaudill AT DIV07-301313L

CONTRACT: C204284 **TIP PROJECT:**

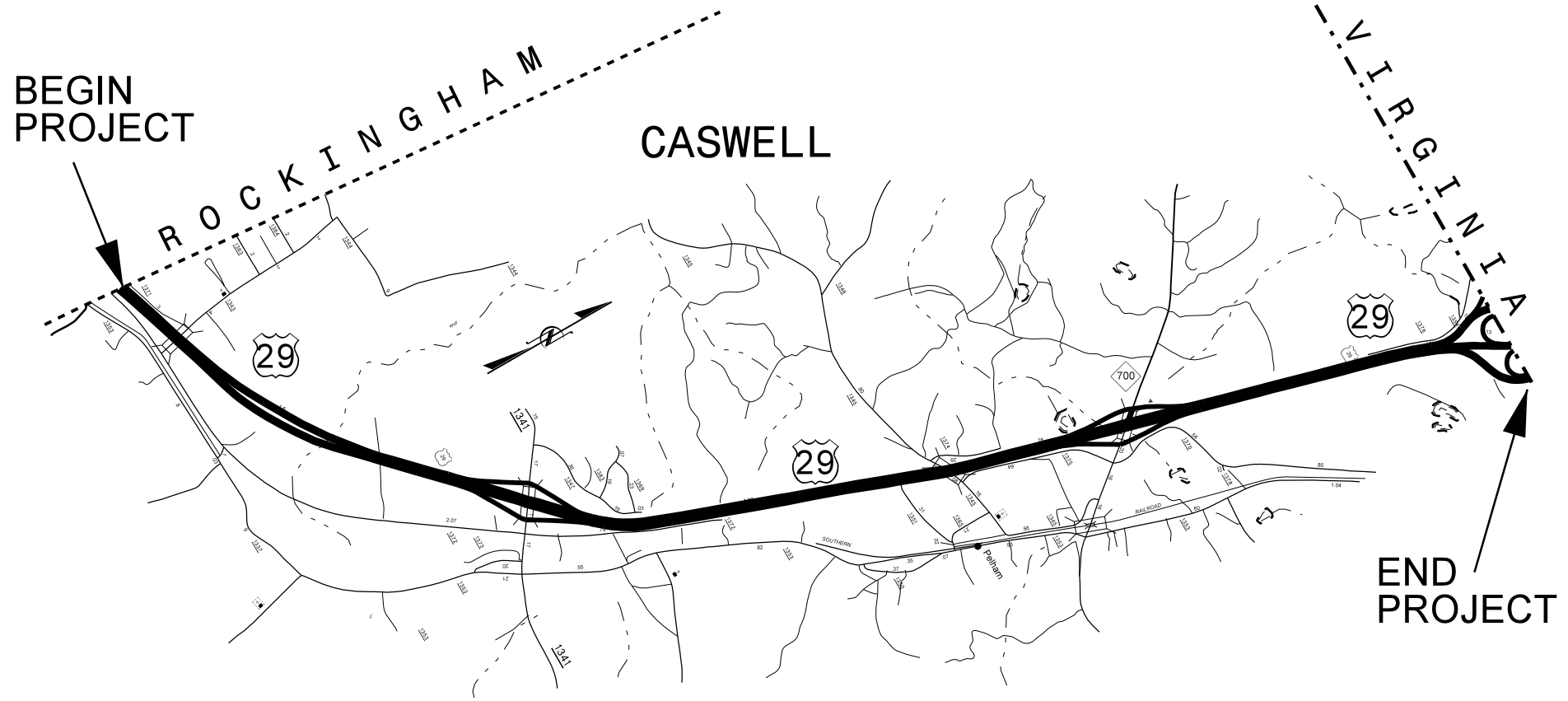


STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

CASWELL COUNTY

LOCATION: US 29 FROM ROCKINGHAM COUNTY
 LINE TO VIRGINIA STATE LINE

TYPE OF WORK: RESURFACING, MARKINGS
 AND MARKERS



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.07.08.10171	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

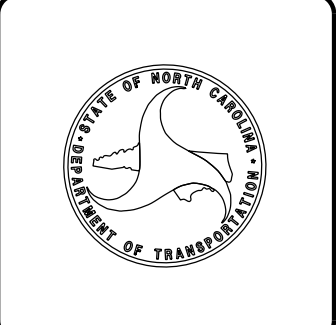
GRAPHIC SCALES
 NOT TO SCALE

DESIGN DATA

PROJECT LENGTH
 2021CPT.07.08.10171 = 6.028 miles

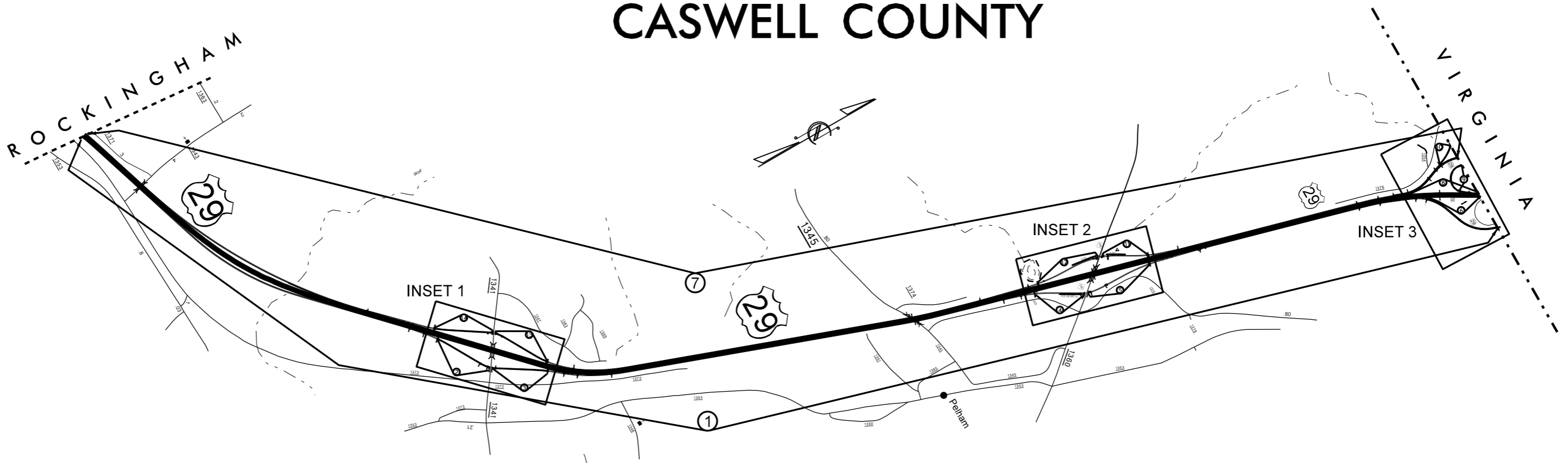
Prepared In the Office of:
DIVISION OF HIGHWAYS
 1000 Birch Ridge Dr., Raleigh NC, 27610

LETTING DATE:
 November 17, 2020

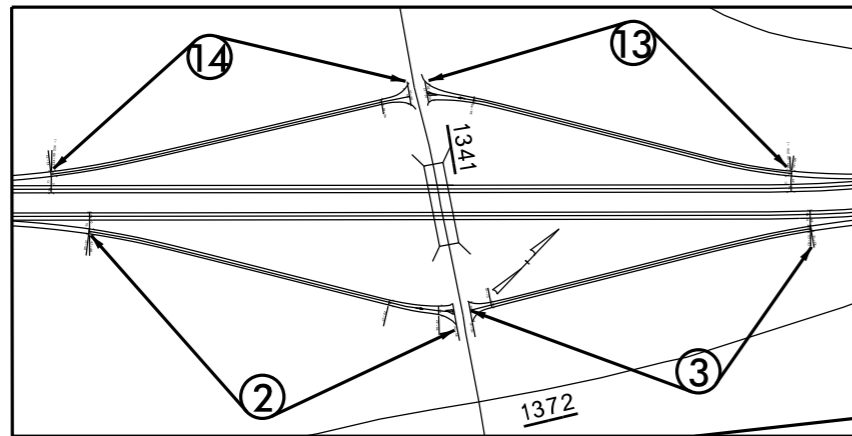


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.07.08.10171	2	

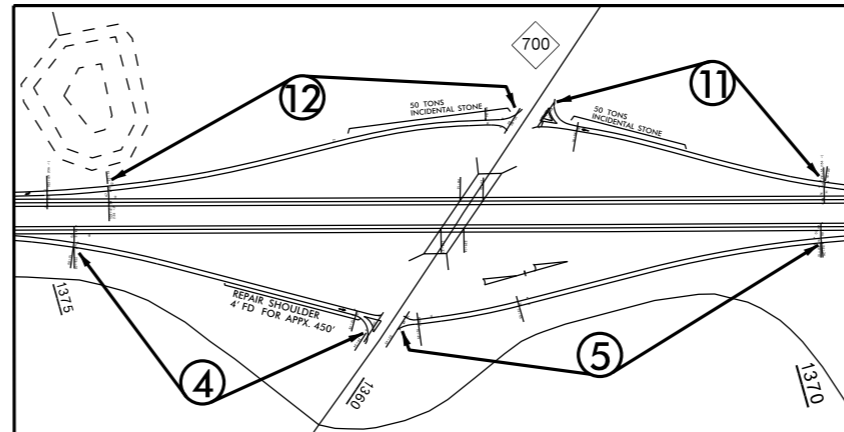
CASWELL COUNTY



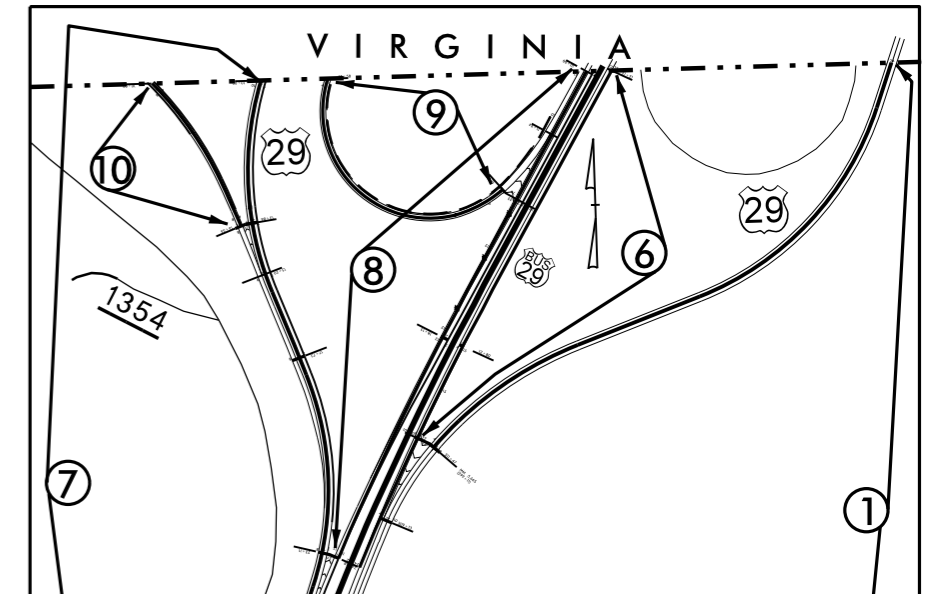
INSET 1



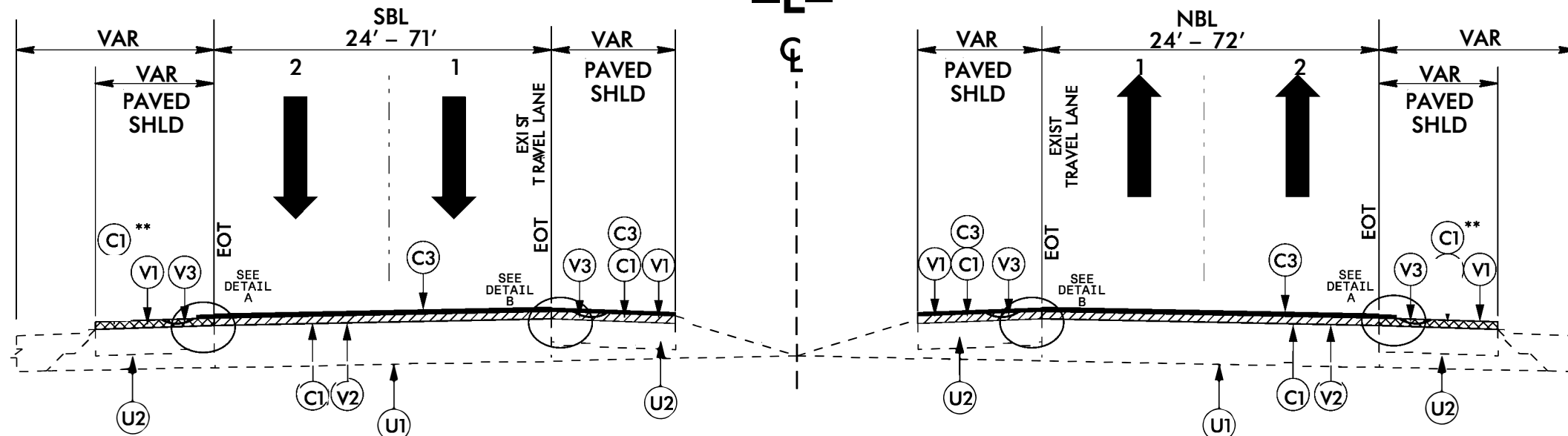
INSET 2



INSET 3



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 Plot Date: 08/26/2020 14:08:00
 Plot Scale: 1"=100'

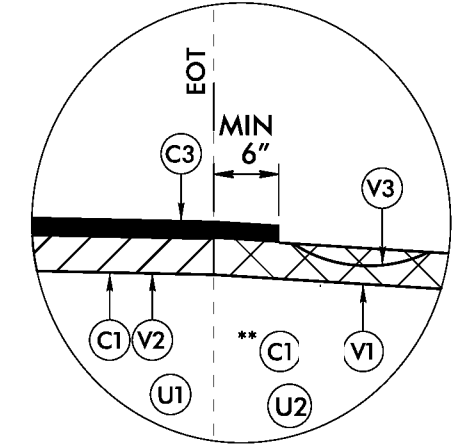


TYPICAL SECTION NO. 1

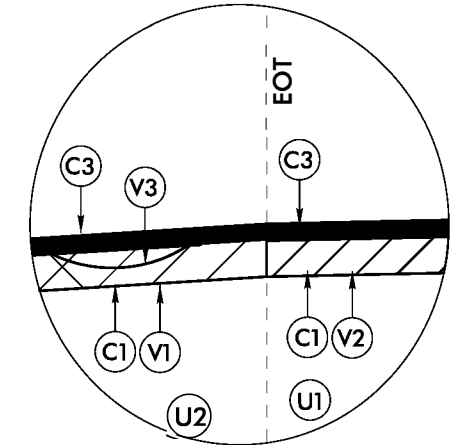
TO BE USED ON MAPS 1, 7

MAP 1: STA. 10+00 TO STA. 296+88
 MAP 7: STA. 34+13 TO STA. 320+43

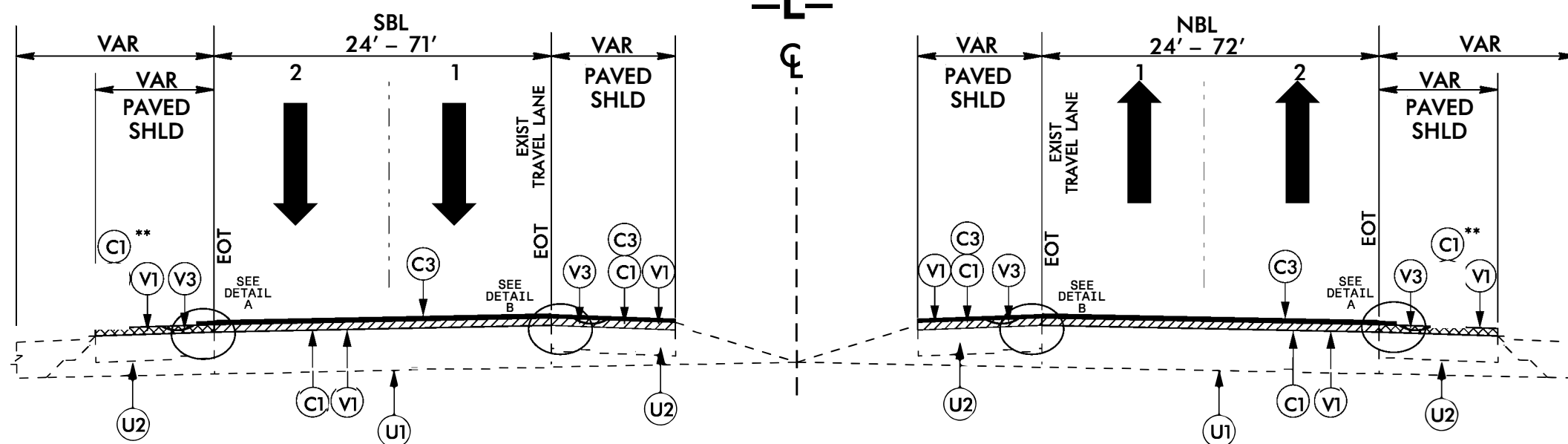
NOTE: TYPICAL SECTION CONSTRUCTION SEQUENCE:
 1. MILL TRAVEL LANES 2 1/8", AND OVERLAY WITH 1 1/2" S9.5C ACSC.
 ** 2. MILL SHOULDERS 1 1/2", AND OVERLAY WITH 1 1/2" S9.5B ACSC.,
IF SHOULDERS ARE 4' OR LESS OVERLAY SHOULDER WITH S9.5C ACSC.
 3. OVERLAY TRAVEL LANES PLUS 6" WITH 5/8" OGFC, IF SHOULDERS ARE 4' OR LESS OVERLAY SHOULDER TO EDGE OF PAVEMENT.



DETAIL A
OVER LAP SHOULDERS



DETAIL B
OVER LAP SHOULDERS



TYPICAL SECTION NO. 2

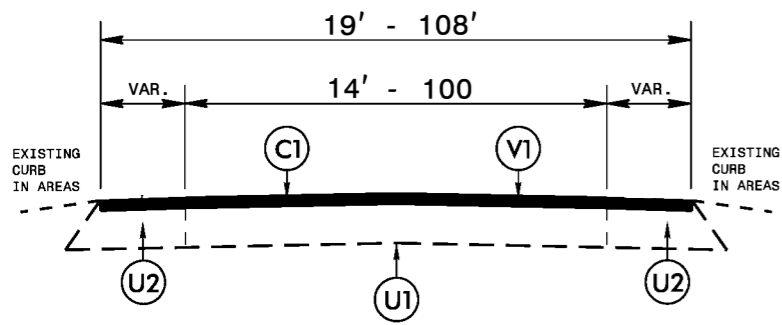
TO BE USED ON MAPS 1, 7

MAP 1: STA. 296+88 TO STA. 311+47
 MAP 7: STA. 23+11 TO STA. 34+13

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.	T	SHOULDER RECONSTRUCTION	U1	EXISTING TRAVELWAY
		U2	EXISTING PAVED SHOULDER.	V1	MILLING ASPHALT PAVEMENT 1 1/2" DEPTH
C3	PROP. APPROX. 5/8" OPEN GRADED FRICTION COURSE, AT AN AVERAGE RATE OF 70 LBS PER SQ. YD.	V2	MILLING ASPHALT PAVEMENT 2 1/8" DEPTH	V3	MILLED RUMBLE STRIP
D	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, AT AN AVERAGE RATE OF 456 LBS PER SQ. YD.	V4	MILLING ASPHALT PAVEMENT 4" DEPTH		
E	PROP. APPROX. 8" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C AT AN AVERAGE RATE OF 456 LBS PER SQ. YD. IN EACH OF TWO LIFTS				

5/14/20 5:26:40 PM C:\Users\jgarcia\OneDrive\Documents\Coswell\2021CPT.07.08.10171\typical.dgn
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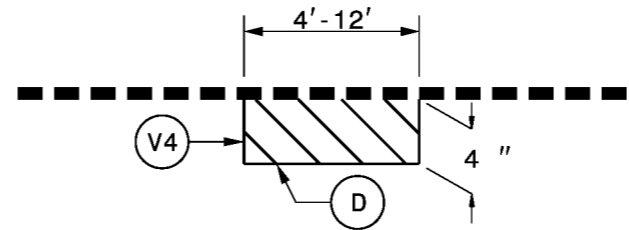


TYPICAL SECTION NO. 3

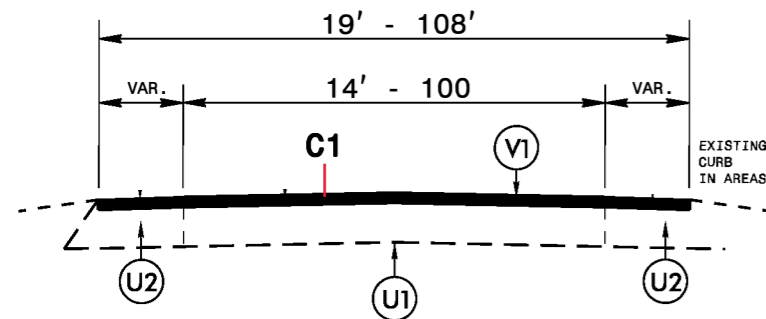
TO BE USED ON MAPS: 1, 6, 7, 8

MAP 1: STA. 311+47 TO STA. 328+28
 MAP 7: STA. 10+00 TO STA. 23+11

PATCHING EXISTING PAVEMENT DETAIL 1



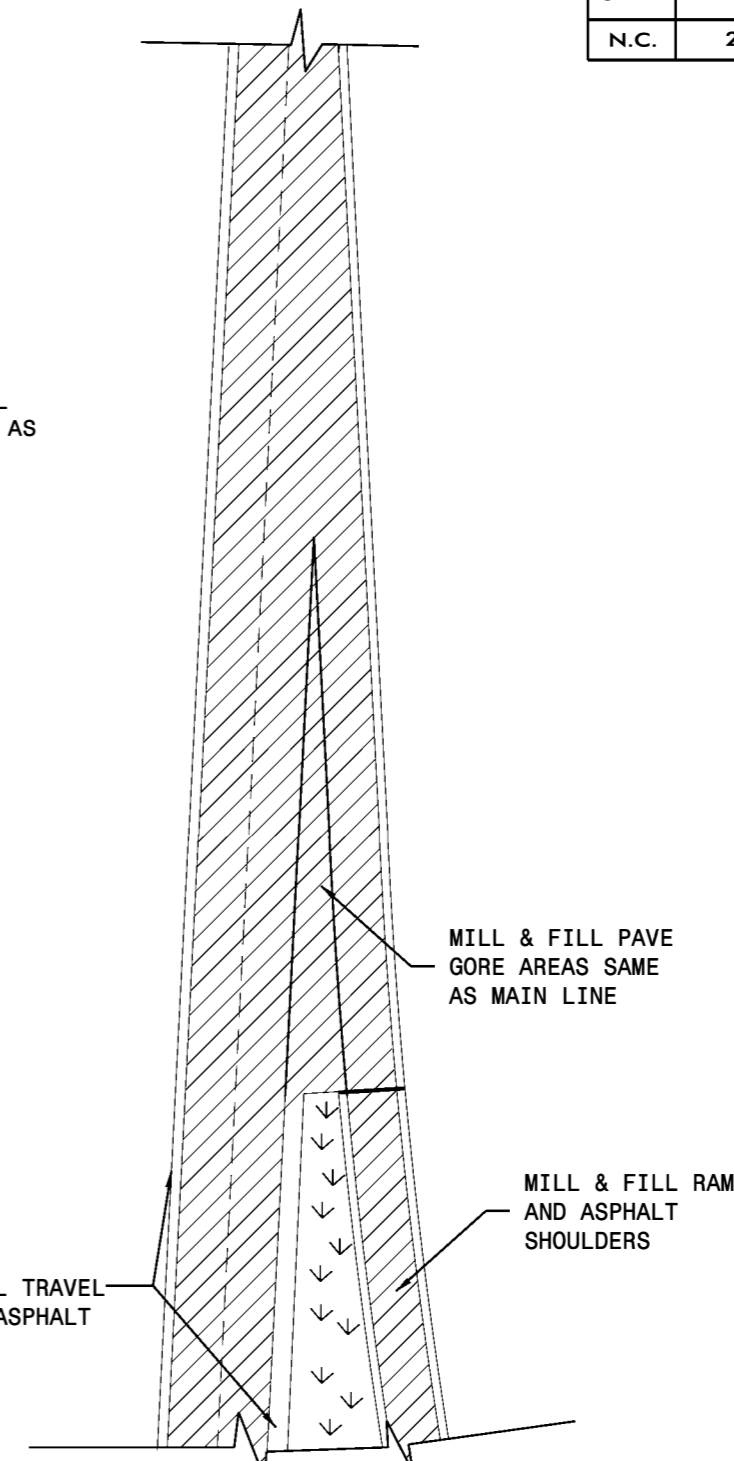
MILL EXISTING ASPHALT PAVEMENT 4" IN DEPTH AND FILL WITH INTERMEDIATE COURSE, TYPE I19.0C AT LOCATIONS AS DIRECTED BY THE ENGINEER.



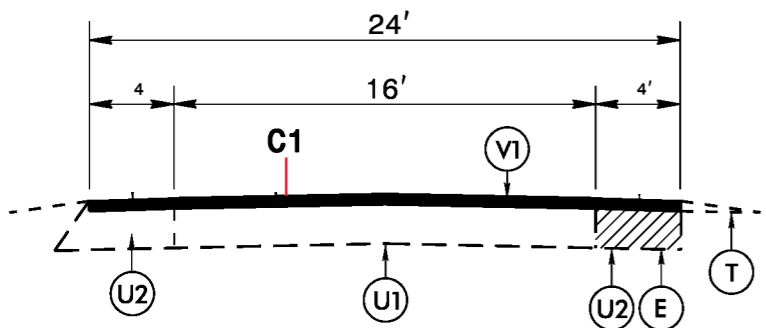
TYPICAL SECTION NO. 4

TO BE USED ON MAPS: 2-5, 9-14

MAP 4: STA. 10+00 TO STA. 15+25
 STA. 19+75 TO STA. 20+54



DETAIL - GORE AREAS



TYPICAL SECTION NO. 5

TO BE USED ON MAP 4
 STA. 15+25 TO STA. 19+75

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.	T	SHOULDER RECONSTRUCTION	U1	EXISTING TRAVELWAY
		U2	EXISTING PAVED SHOULDER.	V1	MILLING ASPHALT PAVEMENT 1 1/2" DEPTH
C3	PROP. APPROX. 5/8" OPEN GRADED FRICTION COURSE, AT AN AVERAGE RATE OF 70 LBS PER SQ. YD.	V2	MILLING ASPHALT PAVEMENT 2 1/8" DEPTH	V3	MILLED RUMBLE STRIP
D	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, AT AN AVERAGE RATE OF 456 LBS PER SQ. YD.	V4	MILLING ASPHALT PAVEMENT 4" DEPTH		
E	PROP. APPROX. 8" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C AT AN AVERAGE RATE OF 456 LBS PER SQ. YD. IN EACH OF TWO LIFTS				

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 b1caudh11 AT DIV07-3013131

PROJECT NO.	SHEET NO.	TOTAL NO.
2021CPT.07.08.10171	7	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH		WORK ZONE SIGNS (STATIONARY)	LAW ENFORCEMENT	6" X 90 M WHITE THERMO		12" X 90 M WHITE THERMO		24" X 90 M WHITE THERMO		4720000000-E			4725000000-E			4815000000-E			4825000000-E			4840000000-N			4845000000-N	4905000000-N								
								MI	FT			SF	HR	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA				
2021CPT.07.08.10171	Caswell	1	US 29 NB	FROM ROCKINGHAM COUNTY LINE TO VIRGINIA STATE LINE	1	2	MD	1.52	24	72	1,200	40,862	31,828	3,833					10	20	24	6																				
					1	2	MD	0.08	32																																	
					1	2	MD	0.059	55																																	
					1	2	MD	0.459	24																																	
					1	2	MD	0.064	58																																	
					1	2	MD	0.053	46																																	
					1	2	MD	0.134	34																																	
					1	2	MD	1.595	24																																	
					1	2	MD	0.072	33																																	
					1	2	MD	0.056	56																																	
					1	2	MD	0.476	24																																	
					1	2	MD	0.208	45																																	
					1	2	MD	0.658	24																																	
					2	2	MD	0.086	30																																	
					2	2	MD	0.146	36																																	
2	2	MD	0.044	55																																						
3	2	MD	0.318	24																																						
TOTAL FOR MAP NO. 1								6.028		72	1,200	40,862	31,828	3,833				10	20	24	6														616							
2021CPT.07.08.10171	Caswell	2	OFF RAMP	FROM US 29 NB TO SR 1341 (LAW ROAD)	4	1		0.196	24	8		1,258	1,258																							14						
					4	1		0.032	31																																	
					4	1		0.01	56																																	
TOTAL FOR MAP NO. 2								0.238		8		1,258	1,258																					14								
2021CPT.07.08.10171	Caswell	3	ON RAMP	FROM SR 1341 (LAW ROAD) TO US 29 NB	4	1		0.014	52	32		1,178	1,178																													
					4	1		0.209	26																																	
TOTAL FOR MAP NO. 3								0.223		32		1,178	1,178																													
2021CPT.07.08.10171	Caswell	4	OFF RAMP	FROM US 29 NB TO NC 700	4,5	1		0.185	24	8		1,054	1,054	166	50																					14						
					4	1		0.014	72																																	
TOTAL FOR MAP NO. 4								0.199		8		1,054	1,054	166	50																					14						
2021CPT.07.08.10171	Caswell	5	ON RAMP	FROM NC 700 TO US 29 NB	4	1		0.009	45	32		1,434	1,434																													
					4	1		0.065	29																																	
					4	1		0.197	24																																	
TOTAL FOR MAP NO. 5								0.271		32		1,434	1,434																													
2021CPT.07.08.10171	Caswell	6	US 29 BUS NB	FROM US 29 TO VIRGINIA STATE LINE	3	1		0.053	12	8		1,121	1,121																													
					3	1		0.159	12																																	
TOTAL FOR MAP NO. 6								0.212		8		1,121	1,121																													
2021CPT.07.08.10171	Caswell	7	US 29 SB	FROM VIRGINIA STATE LINE TO ROCKINGHAM COUNTY LINE	3	2	MD	0.074	24	72		40,072	31,043	4,014																						620						
					3	2	MD	0.027	46																																	
					3	2	MD	0.046	36																																	
					3	2	MD	0.102	30																																	
					2	2	MD	0.06	47																																	
					2	2	MD	0.061	36																																	
					2	2	MD	0.088	30																																	
					1	2	MD	0.737	24																																	
					1	2	MD	0.123	48																																	
					1	2	MD	0.456	24																																	
					1	2	MD	0.039	59																																	
					1	2	MD	0.2	38																																	
					1	2	MD	1.656	24																																	
					1	2	MD	0.112	47																																	
					1	2	MD	0.472	24																																	
1	2	MD	0.276	48																																						
1	2	MD	1.352	24																																						
TOTAL FOR MAP NO. 7								5.881		72		40,072	31,043	4,014																						620						
2021CPT.07.08.10171	Caswell	8	US 29 BUS SB	FROM VIRGINIA STATE LINE TO US 29 SB	3	2		0.037	37	32																																