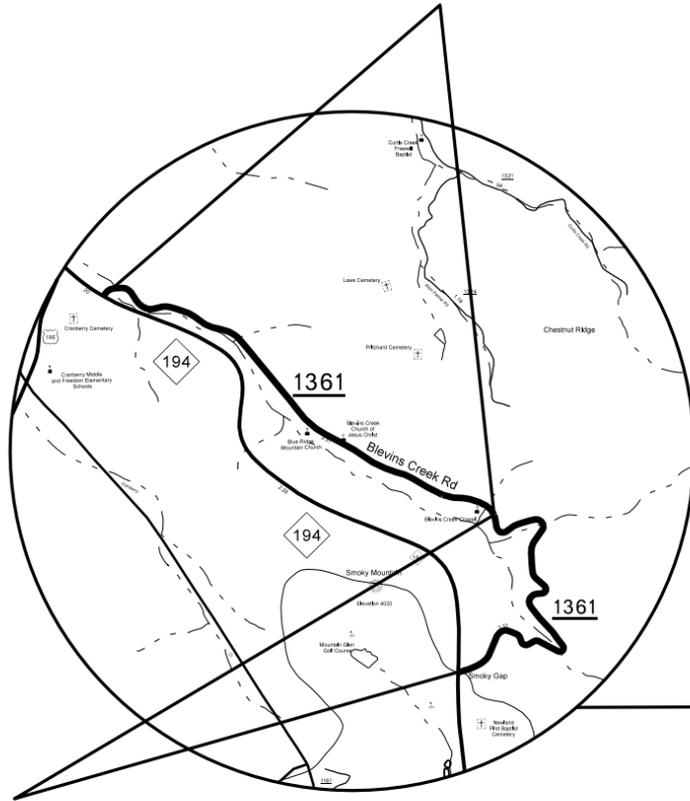


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

AVERY COUNTY

SECONDARY ASPHALT RESURFACING

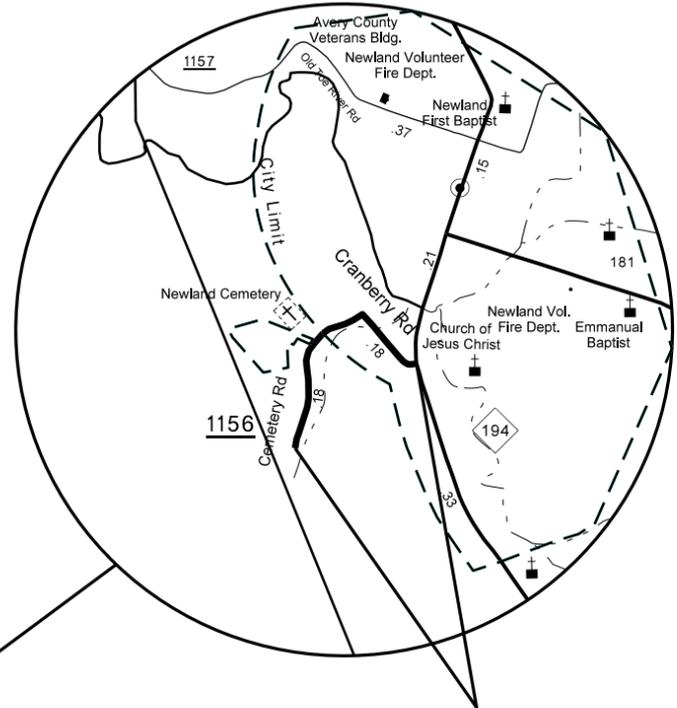
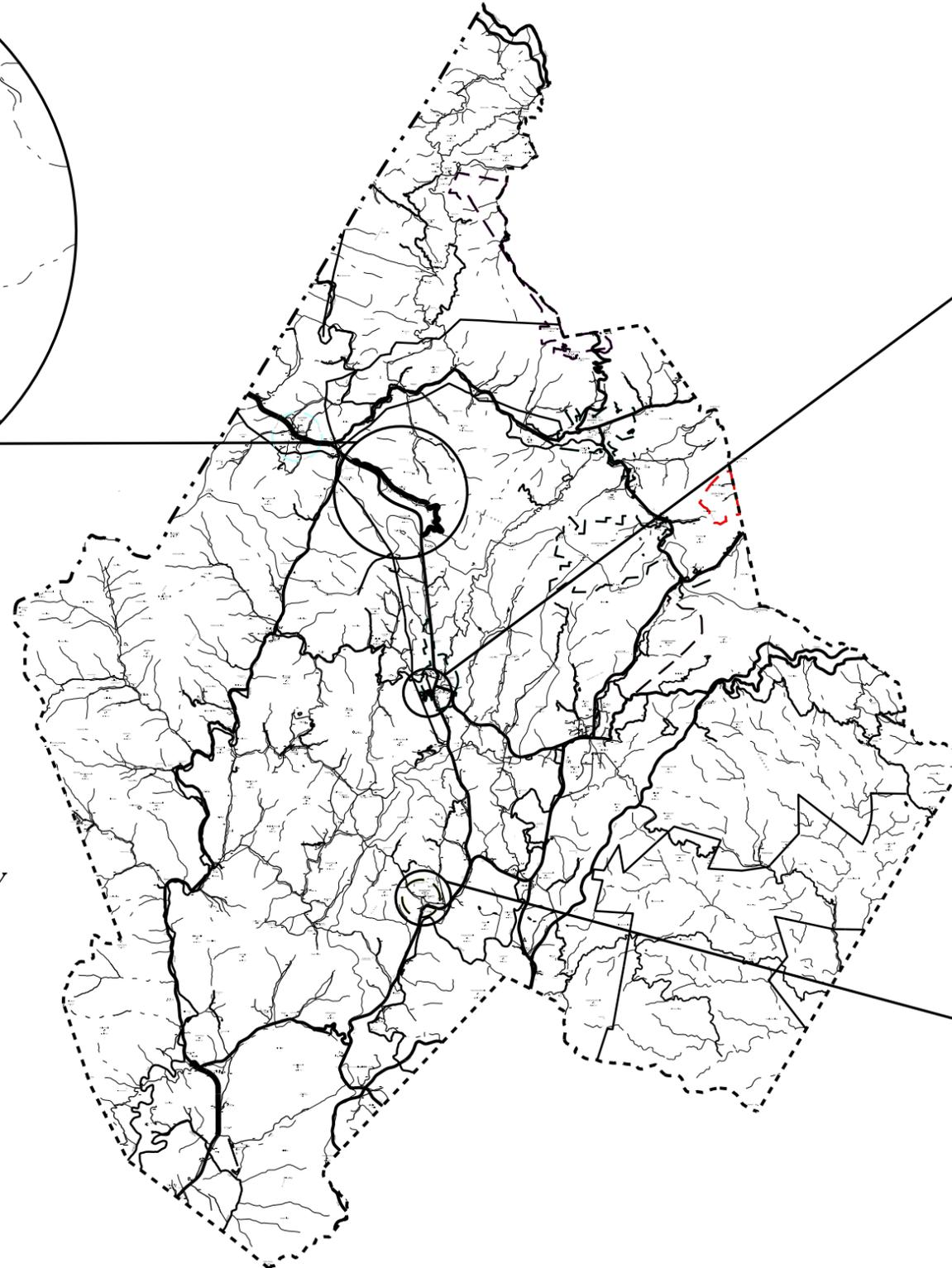
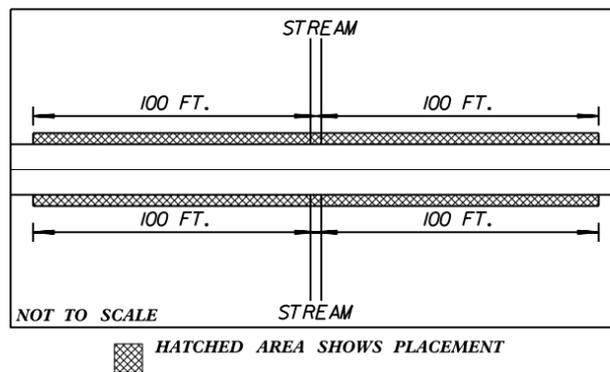
MAP #7 SR 1361
FROM NC 194 N
TO 1.90 MILES (LEE'S GULF)



MAP #8 SR 1361
FROM 1.90 MILES (LEE'S GULF)
TO NC 194 S (1.41 MILES)

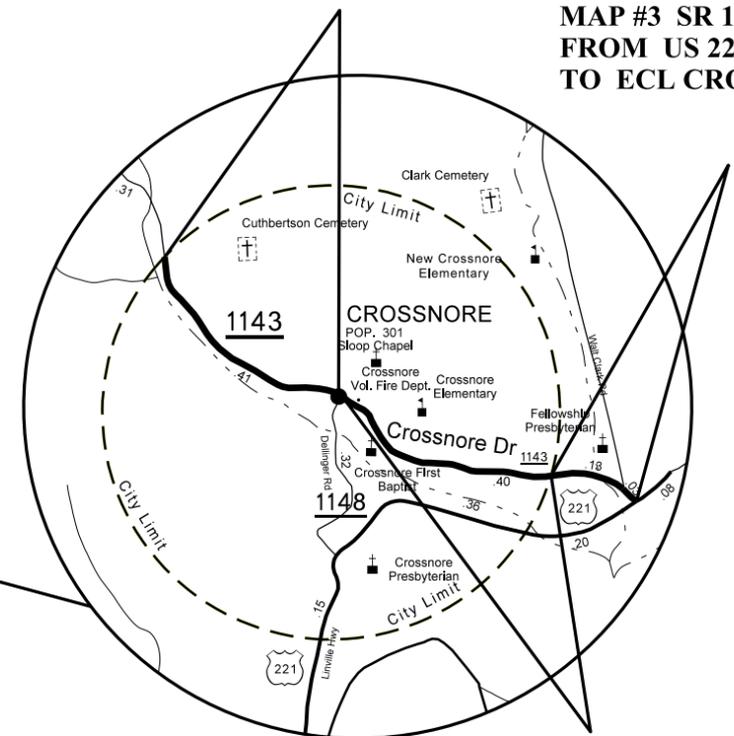
ASB TO BE PLACED AT LIVE STREAMS;
* SEE DETAIL
MAP # 7
APPROX. STATION 2+75
APPROX. STATION 23+18
APPROX. STATION 72+30
APPROX. STATION 91+30
APPROX. STATION 99+70
MAP # 8
APPROX. STATION 15+60
APPROX. STATION 30+75
APPROX. STATION 48+90

***DETAIL FOR AGGREGATE SHOULDER BORROW
AT STREAM CROSSING**



MAP #6 SR 1156
FROM NC 194
TO EOM

MAP #5 SR 1143
FROM SR 1148
TO WCL CROSSNORE



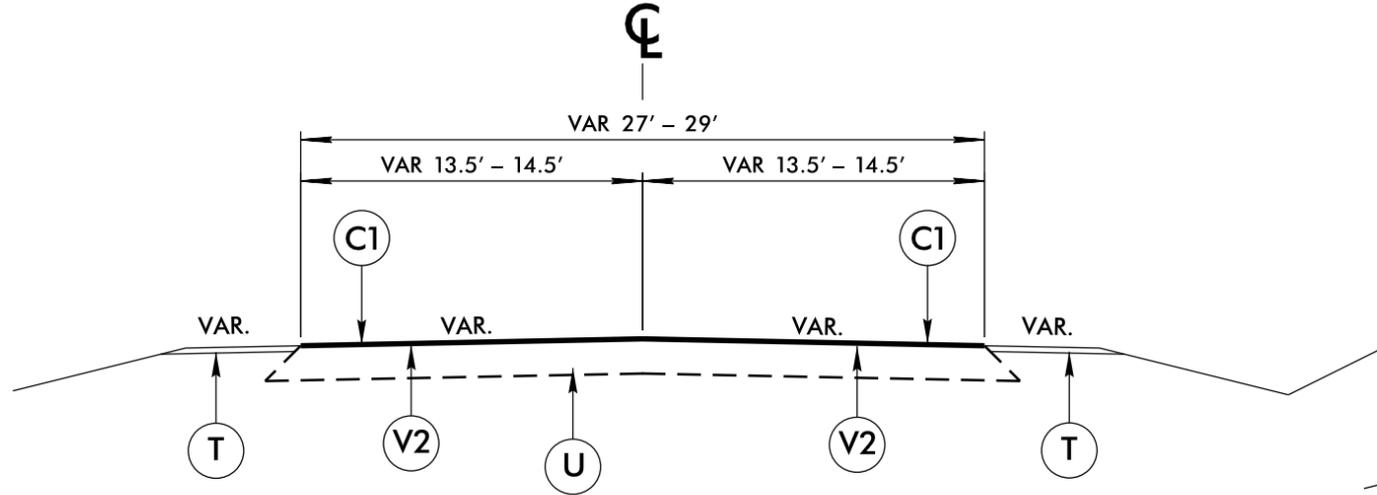
MAP #3 SR 1143
FROM US 221
TO ECL CROSSNORE

MAP #4 SR 1143
FROM ECL CROSSNORE
TO SR 1148

ASB TO BE PLACED AT LIVE STREAMS;
* SEE DETAIL
APPROX. STATION 1+35 MAP #3

8/17/99
F:\APR 2015 11456 ICR\Project 2\AVERY ASPHALT Resurfacing_Maps2016_Sht1.dgn

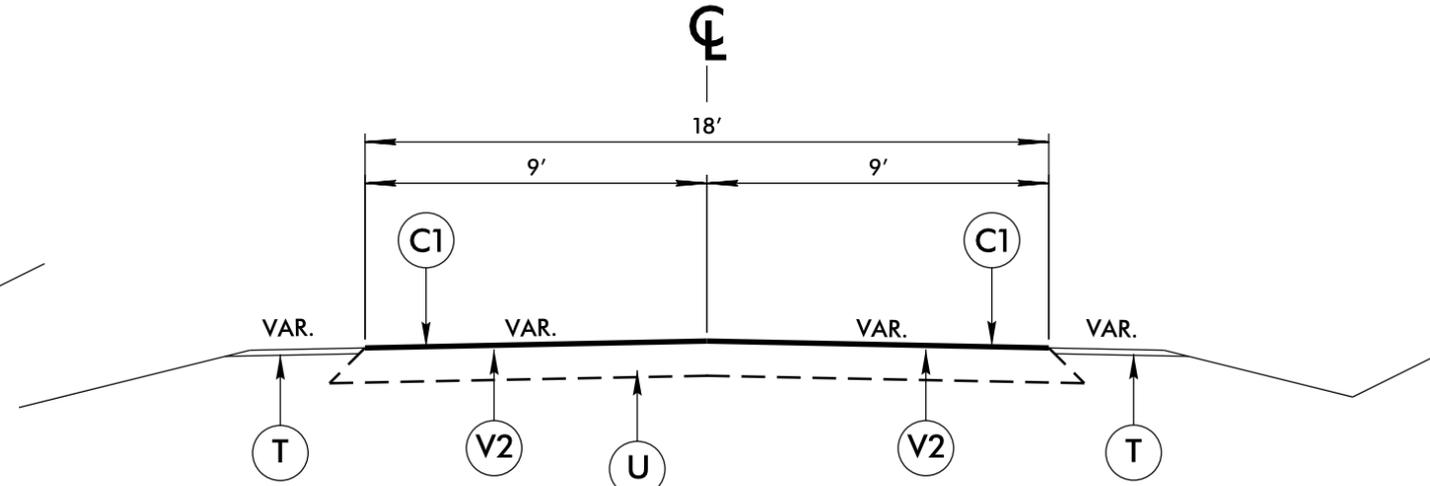
* MILL AND REPLACE AT LOCATIONS AS DIRECTED BY ENGINEER



TYPICAL SECTION NO. 1

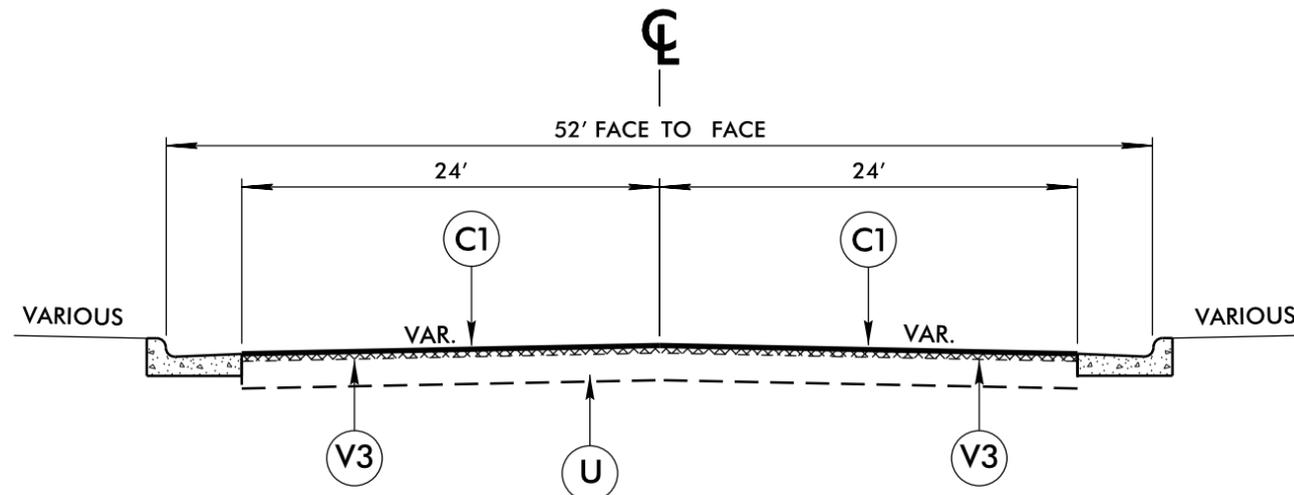
* MAP 1 - US 19E FROM SR 1103 TO NC 194
 * MAP 2 - US 19E FROM NC 194 TO 0.111 MILES NORTH OF SR 1300

* MILL AND REPLACE AT LOCATIONS AS DIRECTED BY ENGINEER
 * LEVELING AT LOCATIONS AS DIRECTED BY ENGINEER



TYPICAL SECTION NO. 2

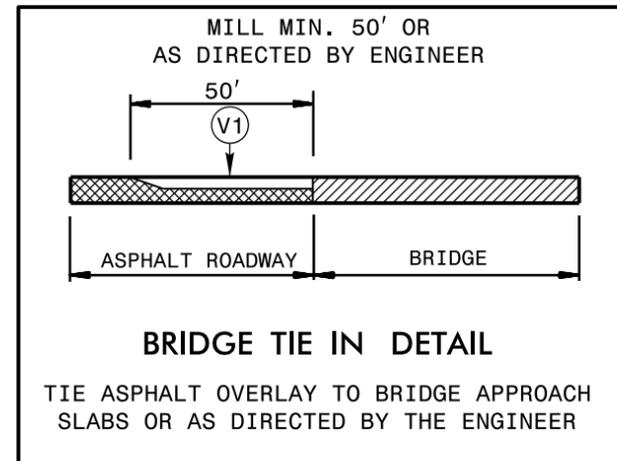
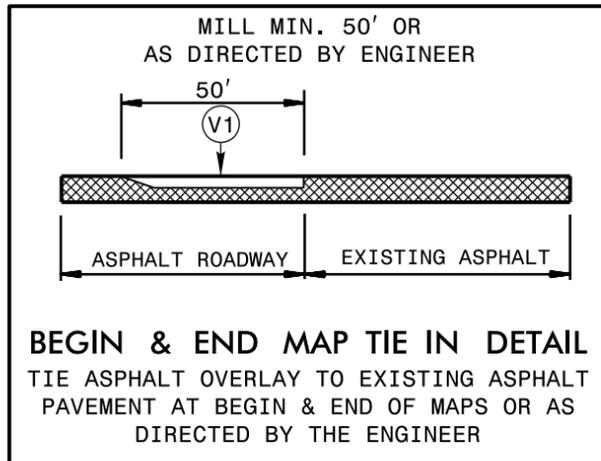
* MAP 3 - SR 1143 FROM US 221 TO CROSSNORE ECL



TYPICAL SECTION NO. 1A

* MAP - 1 (CURB AND GUTTER SECTION ONLY)

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING
V2	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1½"
V3	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 0-3"



AVERY COUNTY
 PRIMARY AND SECONDARY RESURFACING

DIVISION II

REVISIONS	INIT.	DATE

SCALE: N/A DATE: 04/2016

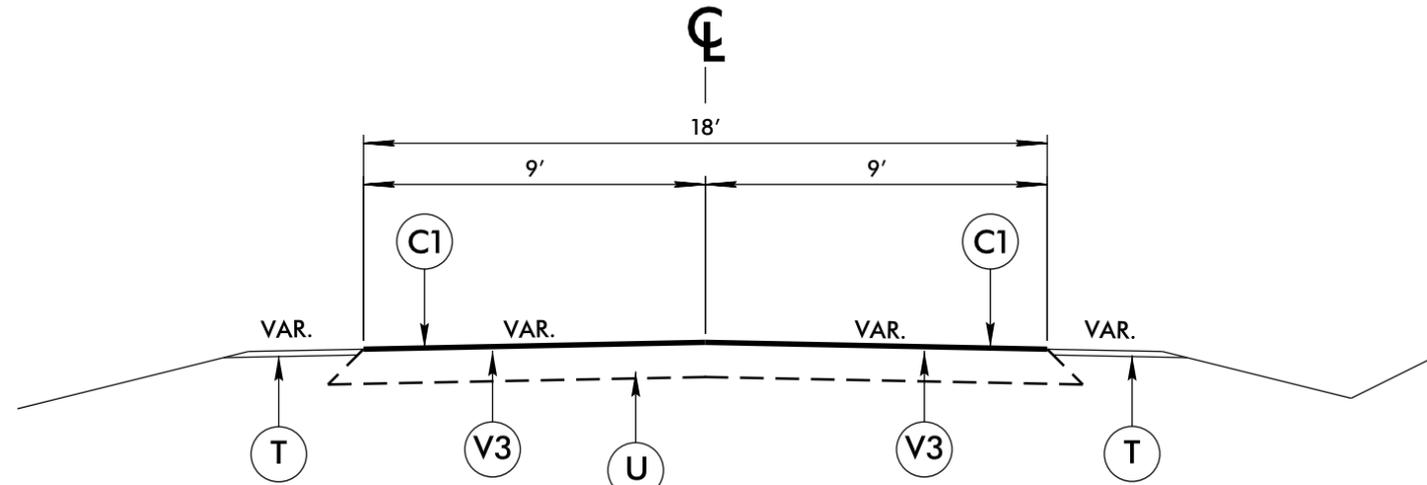
N.C. DEPARTMENT of TRANSPORTATION
 DIVISION of HIGHWAYS
 DIVISION ELEVEN



8/17/99

8/17/99

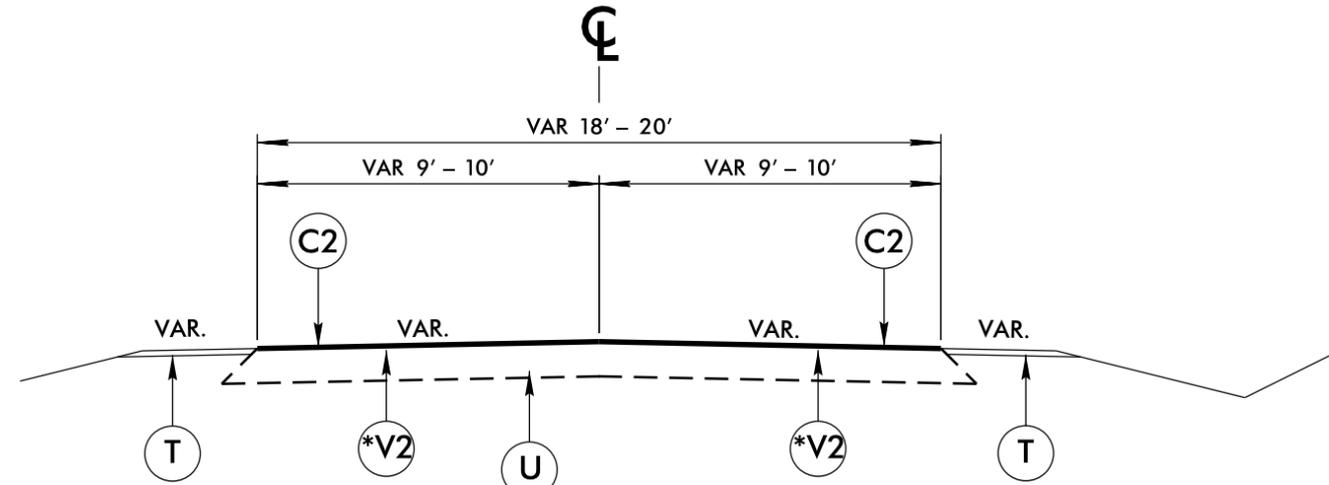
* MILL AND REPLACE AT LOCATIONS AS DIRECTED BY ENGINEER



TYPICAL SECTION NO. 3

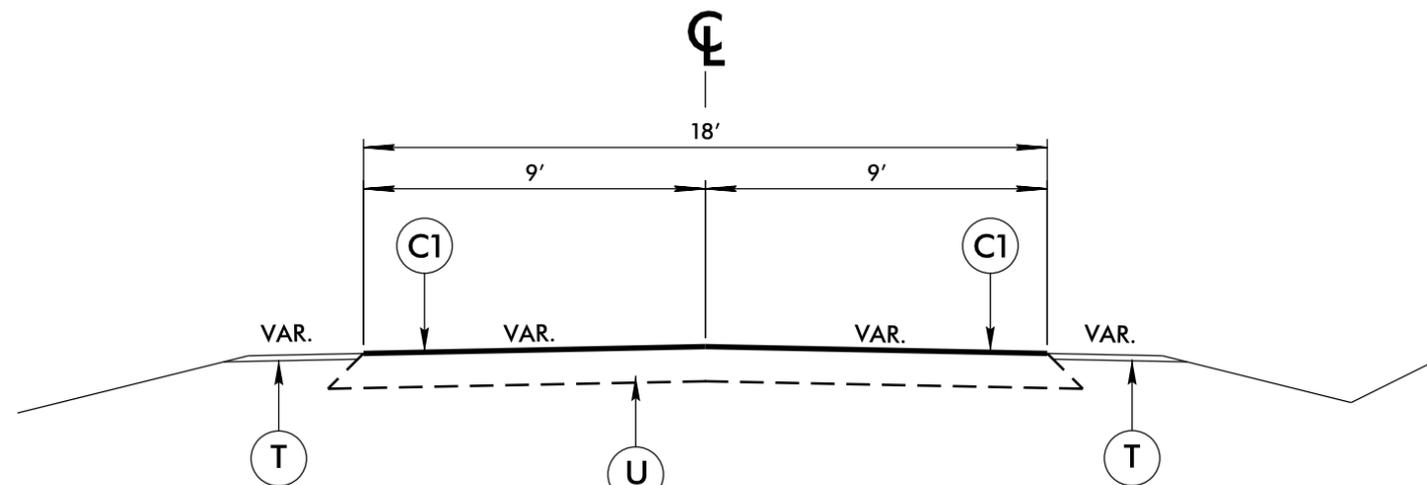
* MAP 4 - SR 1143 FROM CROSSNORE ECL TO SR 1148

* MILL AND REPLACE AT LOCATIONS AS DIRECTED BY ENGINEER
 ** LEVELING AT LOCATIONS AS DIRECTED BY ENGINEER



TYPICAL SECTION NO. 5

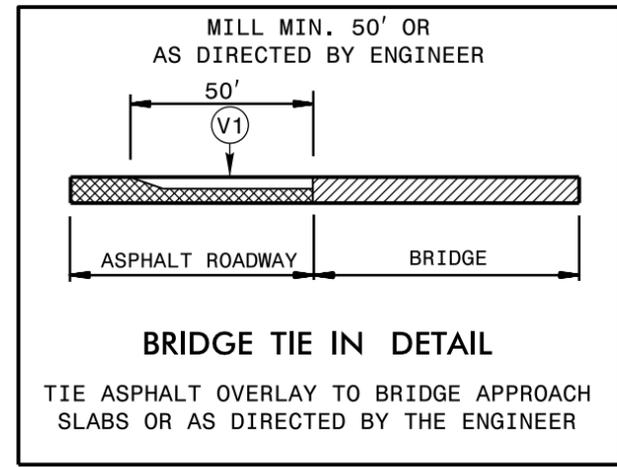
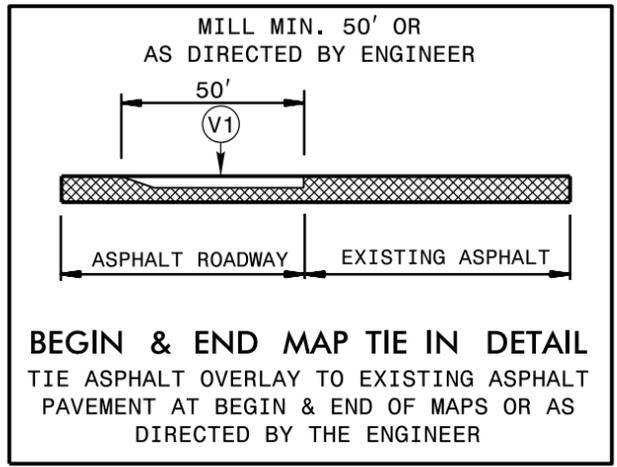
* MAP 6 - SR 1156 FROM NC 194 TO EOM
 ** MAP 7 - SR 1361 FROM NC 194 NORTH TO LEE'S GULF
 ** MAP 8 - SR 1361 FROM LEE'S GULF TO NC 194 SOUTH



TYPICAL SECTION NO. 4

MAP 5 - SR 1143 FROM SR 1148 TO CROSSNORE WCL

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING
V2	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 1½"
V3	MILLING OF EXISTING ASPHALT PAVEMENT AT DEPTH OF 0-3"



AVERY COUNTY
 PRIMARY AND SECONDARY RESURFACING

DIVISION II

REVISIONS	INIT.	DATE

SCALE: N/A DATE: 04/2016

N.C. DEPARTMENT of TRANSPORTATION
 DIVISION of HIGHWAYS
 DIVISION ELEVEN



PREPARED BY:
 REVIEWED BY:
 REVIEWED BY:

PROJECT NO.	SHEET NO.	TOTAL NO.
11CR.10061.23, 11CR.20061.23		

SUMMARY OF QUANTITIES

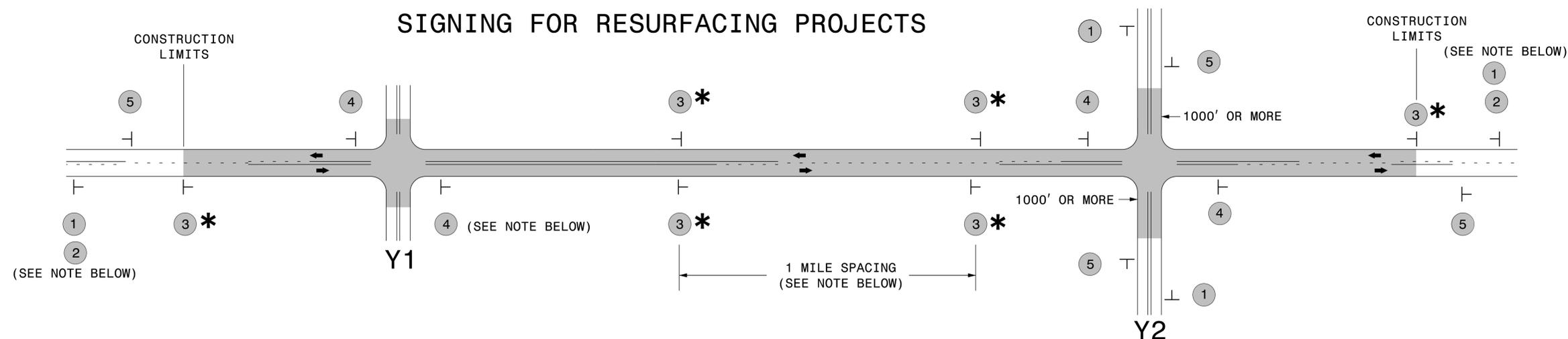
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARMMX ASPHALT REQUIRED	LENGTH	WIDTH	BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	1½" MILLING	0" TO 3" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, SF9.5A	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (LEVELING COURSE)	ASPHALT BINDER FOR PLANT MX	PATCHING EXISTING PAVEMENT	ADJ. OF DROP INLET	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	SEED & MULCHING
NO		NO			NO					M	FT	CY	TONS	SM	SY	SY	SY	TONS	TONS	TON	TONS	TONS	EA	EA	EA	AC
11CR.10061.23	Avery	1	US 19E	FROM SR 1103 TO NC 194	1	2	2WU	NO	NO	2.02	29	192	100	1.92	17,000	35,000	250	4,200			252	100	20			1.00
11CR.10061.23	Avery	2	US 19E	FROM NC 194 TO .111 MILE NORTH OF SR 1300	1	2	2WU	NO	NO	1.975	27	395	100	3.95	33,000			2,840			170	200		1		2.00
TOTAL FOR PROJ NO. 11CR.10061.23										3.995		587	200	5.87	50,000	35,000	250	7,040			422	300	20	1		3.00
11CR.20061.23	Avery	3	SR 1143	FROM US 221 TO CROSSNORE ECL	2	2	2WU	NO	NO	0.137	18	28	50	0.28	1,901		50	122		200	19	50				0.10
11CR.20061.23	Avery	4	SR 1143	FROM CROSSNORE ECL TO SR 1148	3	2	2WU	YES	NO	0.414	18					8,385	100	370			22	25	1		3	
11CR.20061.23	Avery	5	SR 1143	FROM SR 1148 TO CROSSNORE WCL	4	2	2WU	NO	NO	0.4	18	80	50	0.80				357			21	50	1			0.40
11CR.20061.23	Avery	6	SR 1156	FROM NC 194 TO EOM	5	2	2WU	NO	NO	0.36	18	72	50	0.72	3,802				316		21	200		3		0.35
11CR.20061.23	Avery	7	SR 1361	FROM NC 194 NORTH TO LEE'S GULF	5	2	2WU	NO	NO	1.9	20	380	100	3.80			250		1,667	1,569	206					1.85
11CR.20061.23	Avery	8	SR 1361	FROM LEE'S GULF TO NC 194 SOUTH	5	2	2WU	NO	NO	1.41	20	282	100	2.82			300		1,355	1,398	175	300				1.40
TOTAL FOR PROJ NO. 11CR.20061.23										4.621		842	350	8.42	5,703	8,385	700	849	3,338	3,167	464	625	2	3	3	4.10
GRAND TOTAL										8.616		1,429	550	14.29	55,703	43,385	950	7,889	3,338	3,167	886	925	22	4	3	7.10

PROJECT NO.	SHEET NO.	TOTAL NO.
11CR.10061.23, 11CR.20061.23		

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4810000000-E		4835000000-E	4840000000-N	4845000000-N	4905000000-N
										WRK ZONE ADVANCE/GENERAL WARNING SIGNS	TEMPORARY TRAFFIC CONTROL	4" WHITE PAINT	4" YELLOW PAINT	24" WHITE PAINT	PAINT M&G SCHOOL	PAINT STR ARROW	SNOW PLOWABLE MARKERS
										SF	LS	LF	LF	LF	EA	EA	EA
11CR.10061.23	Avery	1	US 19E	FROM SR 1103 TO NC 194	1	2	2WU	2.02	29	156	1	27,000	27,000			14	313
11CR.10061.23	Avery	2	US 19E	FROM NC 194 TO .111 MILE NORTH OF SR 1300	1	2	2WU	1.975	27	182	*	44,000	46,000				150
TOTAL FOR PROJ NO. 11CR.10061.23								3.995		338		71,000	73,000			14	463
												144,000					
11CR.20061.23	Avery	3	SR 1143	FROM US 221 TO CROSSNORE ECL	2	2	2WU	0.137	18	64	*	2,894	2,894				
11CR.20061.23	Avery	4	SR 1143	FROM CROSSNORE ECL TO SR 1148	3	2	2WU	0.414	18	32	*		8,025	72	12		
11CR.20061.23	Avery	5	SR 1143	FROM SR 1148 TO CROSSNORE WCL	4	2	2WU	0.4	18	64	*	8,448	8,448	72	12		
11CR.20061.23	Avery	6	SR 1156	FROM NC 194 TO EOM	5	2	2WU	0.36	18	64	*	7,603	7,603				
11CR.20061.23	Avery	7	SR 1361	FROM NC 194 NORTH TO LEE'S GULF	5	2	2WU	1.9	20	128	*	40,128	40,128				
11CR.20061.23	Avery	8	SR 1361	FROM LEE'S GULF TO NC 194 SOUTH	5	2	2WU	1.41	20	144	*	29,779	29,779				
TOTAL FOR PROJ NO. 11CR.20061.23								4.621		496		88,852	96,877	144	24		
												185,729					
GRAND TOTAL								8.616		834	1	159,852	169,877	144	24	14	463
												329,729					

SIGNING FOR RESURFACING PROJECTS



LEGEND	
┆	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	MAINLINE (-L-) SIGNING		-Y- LINE SIGNING	
	1	 <small>W20-1 48" X 48"</small>	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <p>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.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>
	2	 <small>W7-3aP 24" X 18"</small>	#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3 *	 <small>SP 13107 48" X 48"</small>	PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.	
	4	 <small>SP 13106 48" X 48"</small>	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 INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.	
5	 <small>G20-2 A 48" X 24"</small>	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.		

* 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