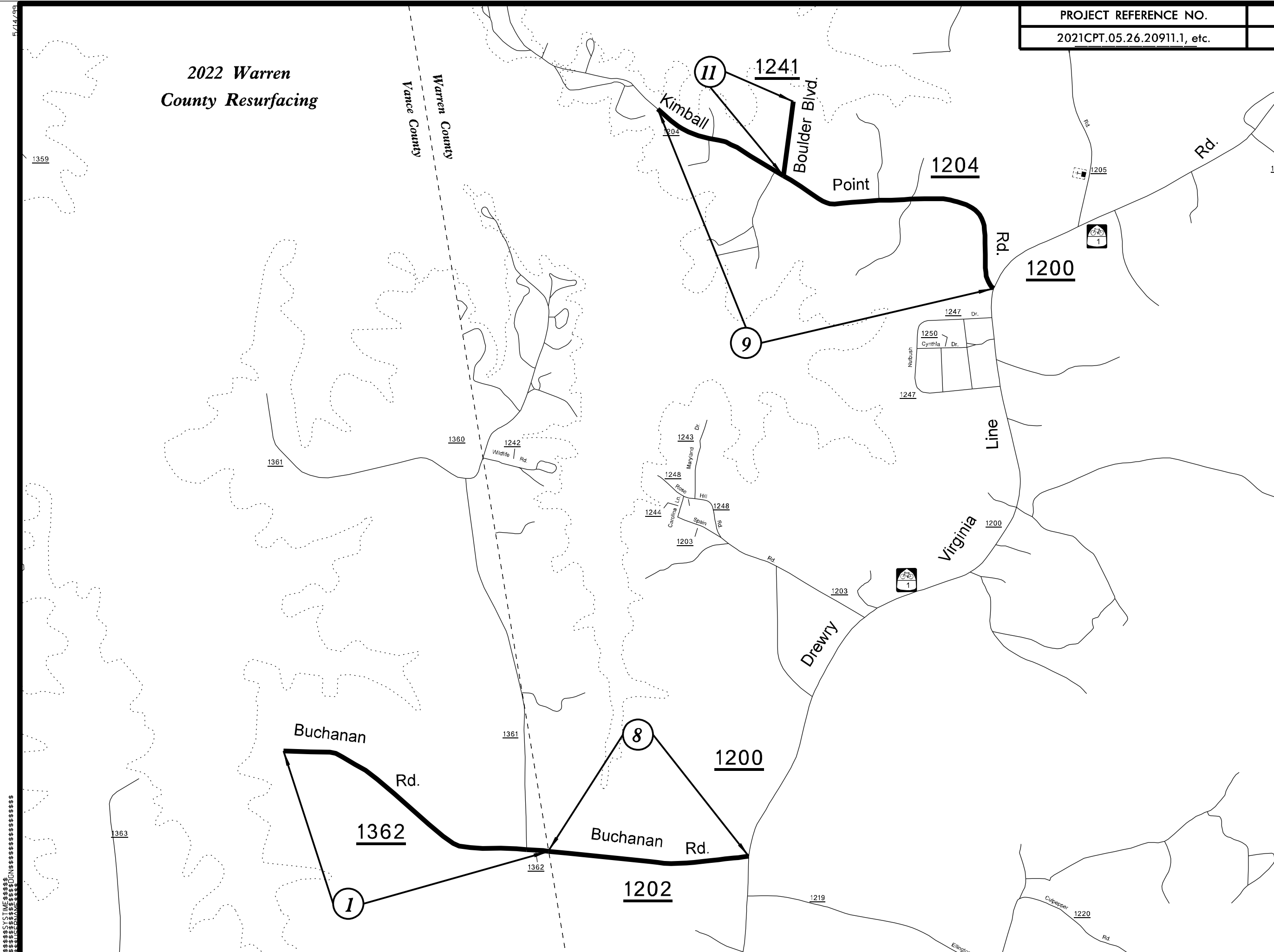


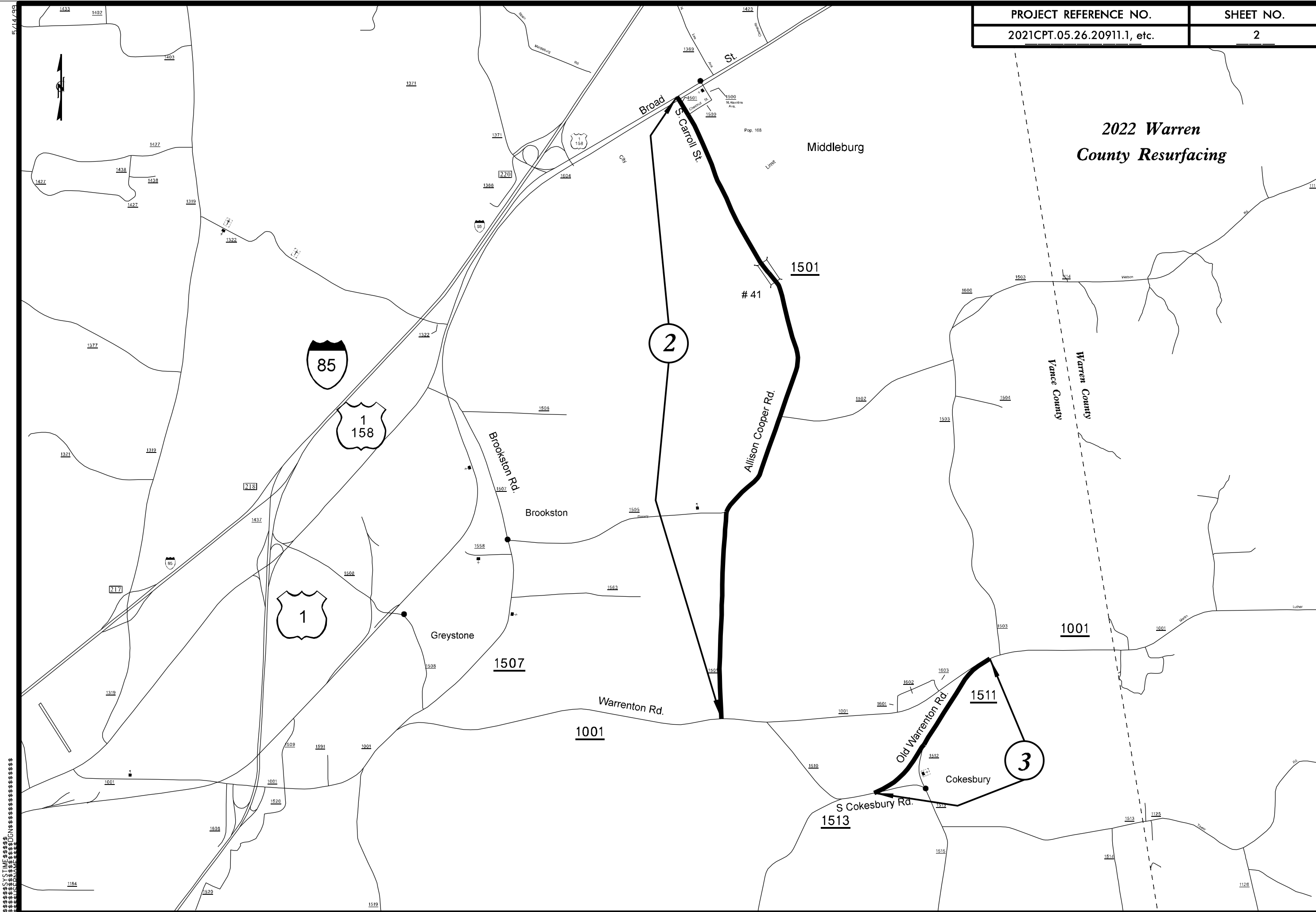
**2022 Warren
County Resurfacing**

Warren County
Vance County



C:\PROJECTS\2022\WARREN\DRAWINGS\2022WARREN.DWG
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 PLOTTER: HP DesignJet T1200

**2022 Warren
County Resurfacing**



5/14/2022
C:\PROJECTS\2021CPT\2021CPT.05.26.20911.1\2021CPT.05.26.20911.1.dwg

1233

Ridgeway

10

158

401

158

BUS 158

2022 Warren County Resurfacing

- 4. SR 1119 – Fairlane Dr.
- 5. SR 1147 – Greenwood Blvd.
- 6. SR 1148 – North Cooper Dr.
- 7. SR 1149 – North Cooper Dr.
- 10. SR 1233 – Wycoff Rd.
- 19. SR 1600 – Plummer St./S Bragg/Halifax St.
- 20. SR 1644 – White St.
- 21. SR 1645 – Ridgecrest Dr.

1119

4

Warrenton
Pop. 792

21

1645

1600

1644

20

19

5

1148

6

7

1147

1149

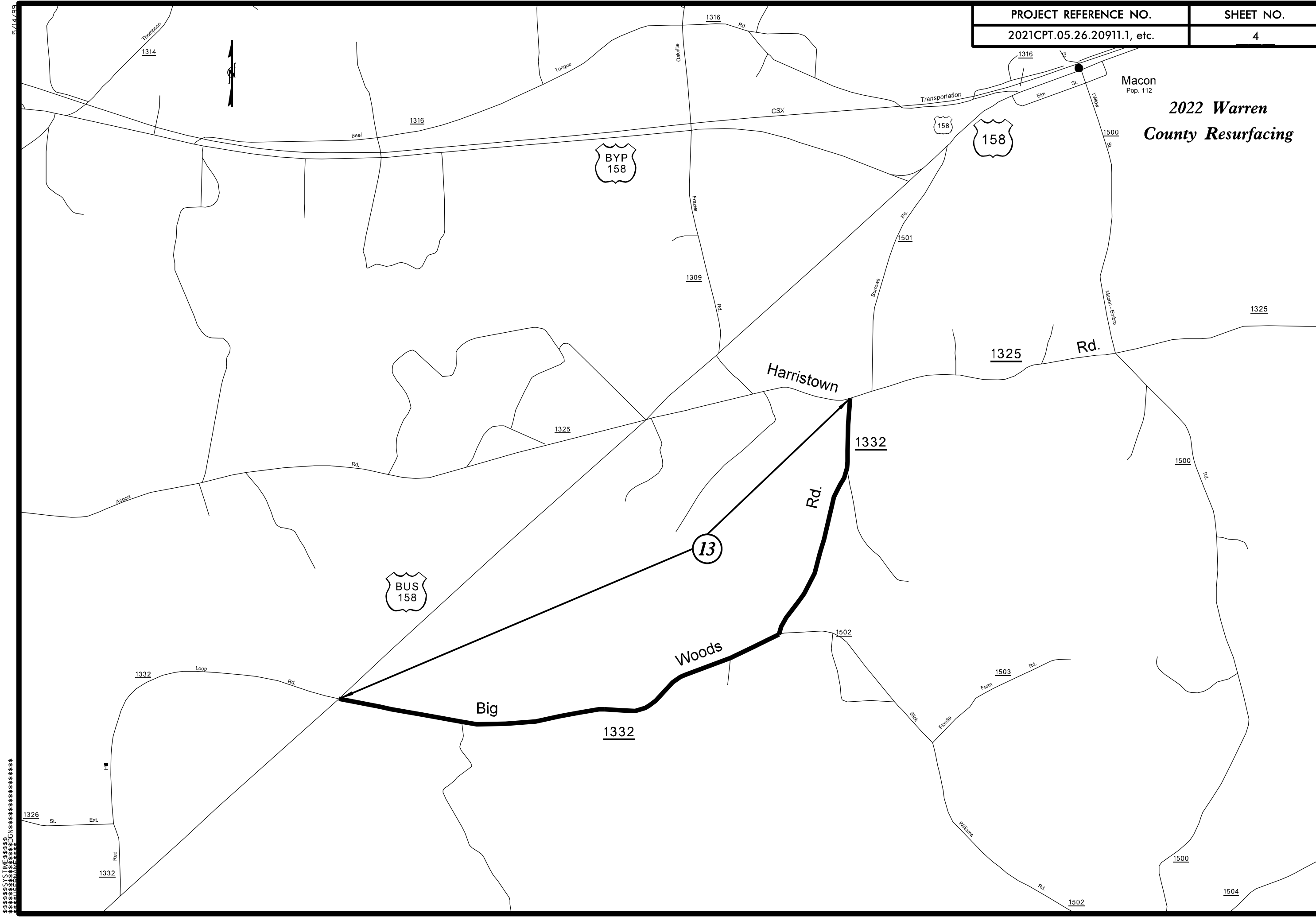
58

5114/99



**2022 Warren
County Resurfacing**

Macon
Pop. 112

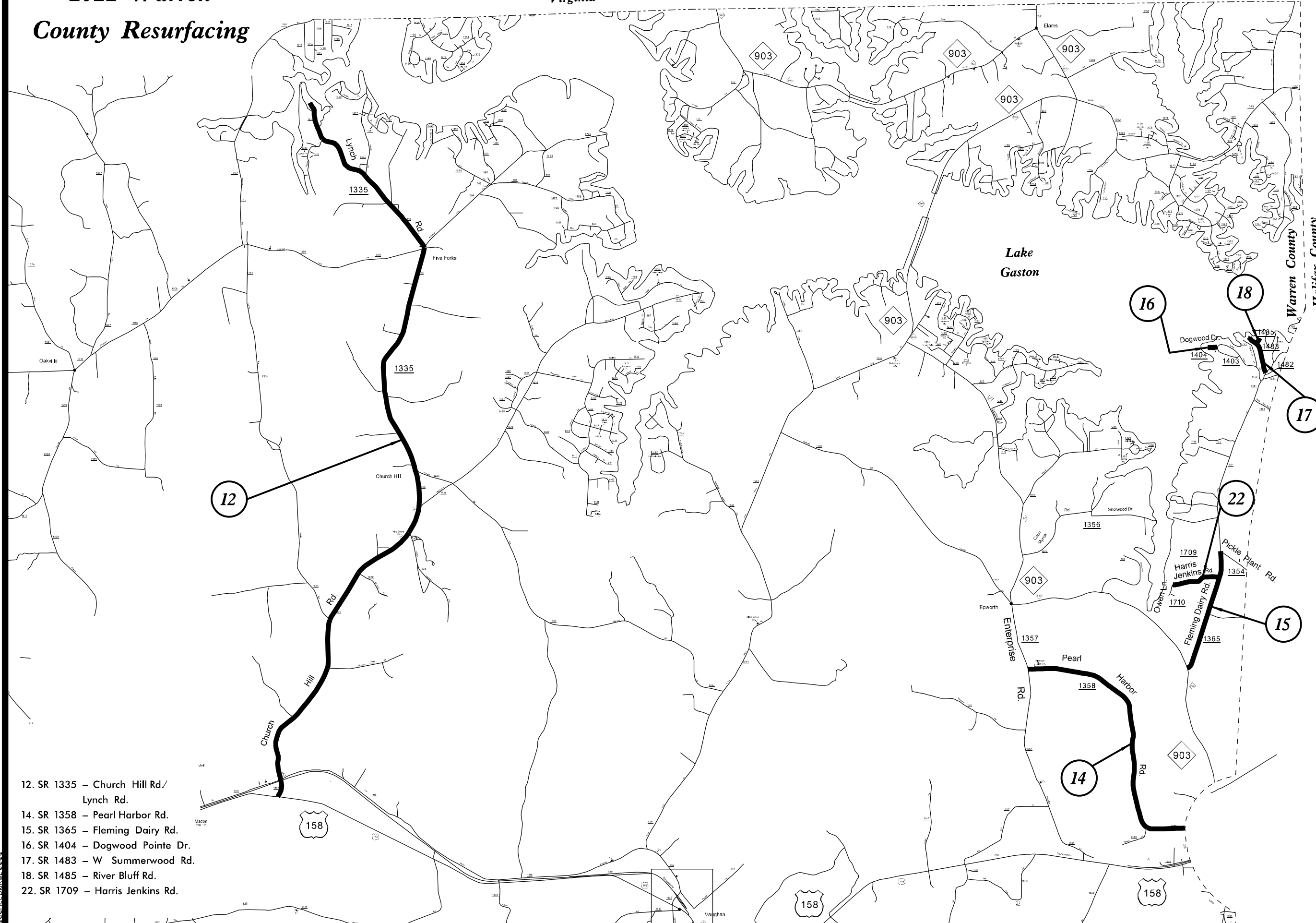


5/14/20

CONSTRUCTION

2022 Warren County Resurfacing

Virginia



- 12. SR 1335 – Church Hill Rd./ Lynch Rd.
- 14. SR 1358 – Pearl Harbor Rd.
- 15. SR 1365 – Fleming Dairy Rd.
- 16. SR 1404 – Dogwood Pointe Dr.
- 17. SR 1483 – W Summerwood Rd.
- 18. SR 1485 – River Bluff Rd.
- 22. SR 1709 – Harris Jenkins Rd.

5/14/20

PAVEMENT SCHEDULE

S SHOULDER GRADING
ASB REQUIRED (EXCEPT AT RESIDENTIAL AREAS)

PROJECT REFERENCE NO.

SHEET NO.

C1 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B,
AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.

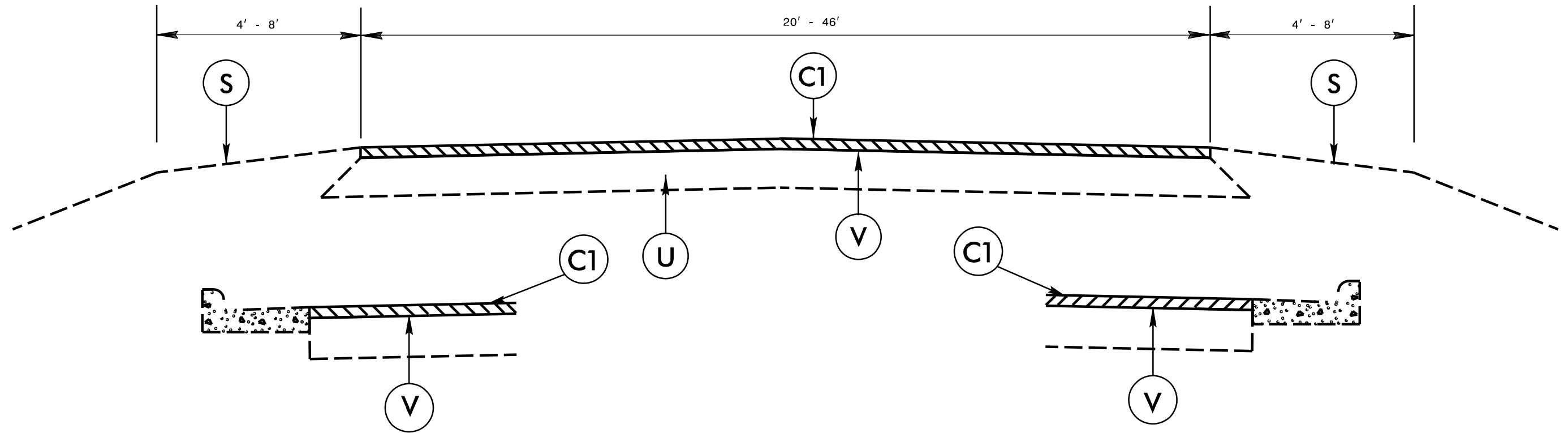
U EXISTING PAVEMENT

2021CPT.05.26.20911.1, etc.

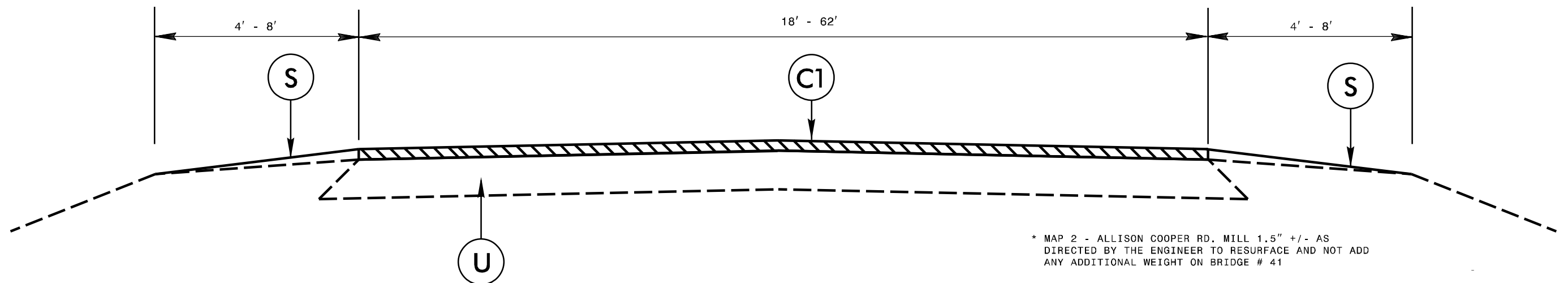
6

C2 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B,
AT AN AVERAGE RATE OF 137,5 LBS. PER SQ. YD.

V 1½" MILLING



TYPICAL SECTION NO. 1



TYPICAL SECTION NO. 2

* MAP 2 - ALLISON COOPER RD. MILL 1.5" +/- AS
DIRECTED BY THE ENGINEER TO RESURFACE AND NOT ADD
ANY ADDITIONAL WEIGHT ON BRIDGE # 41

PAVEMENT SCHEDULE

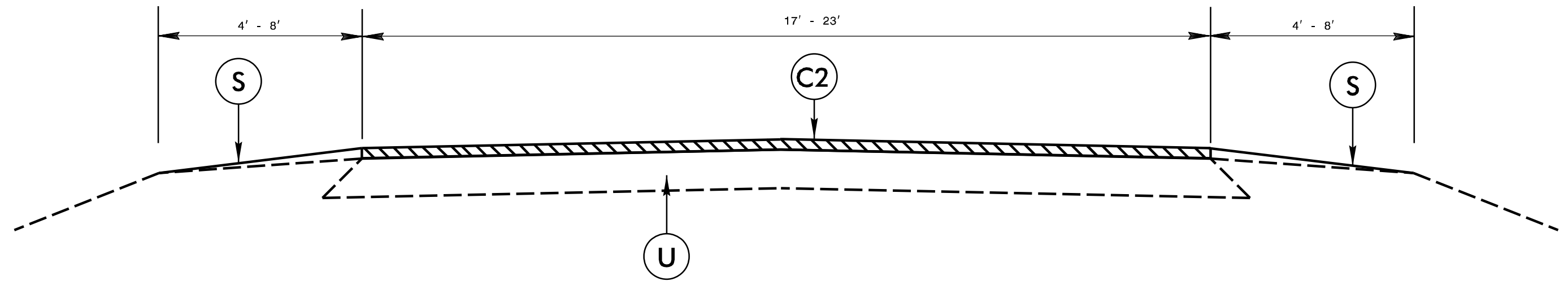
PROJECT REFERENCE NO.

SHEET NO.

2021CPT.05.26.20911.1, etc.

7

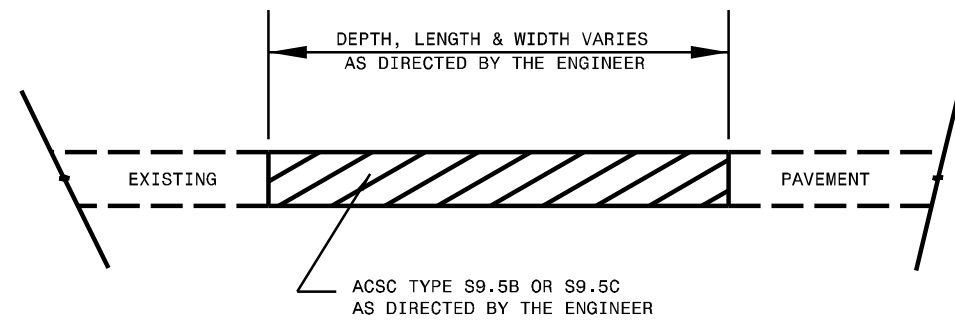
C1	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.	S	SHOULDER GRADING ASB REQUIRED (EXCEPT AT RESIDENTIAL AREAS)
C2	1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.	U	EXISTING PAVEMENT
		V	1½" MILLING



TYPICAL SECTION NO. 3

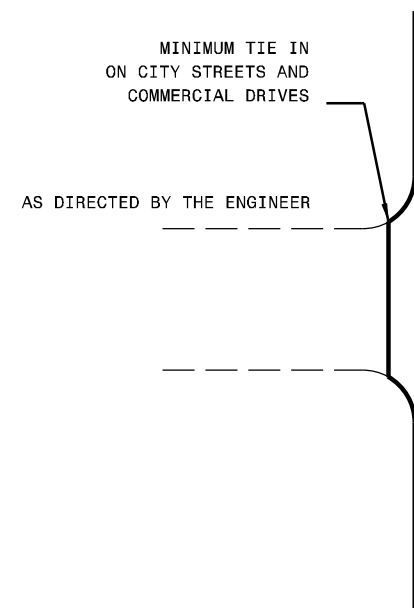
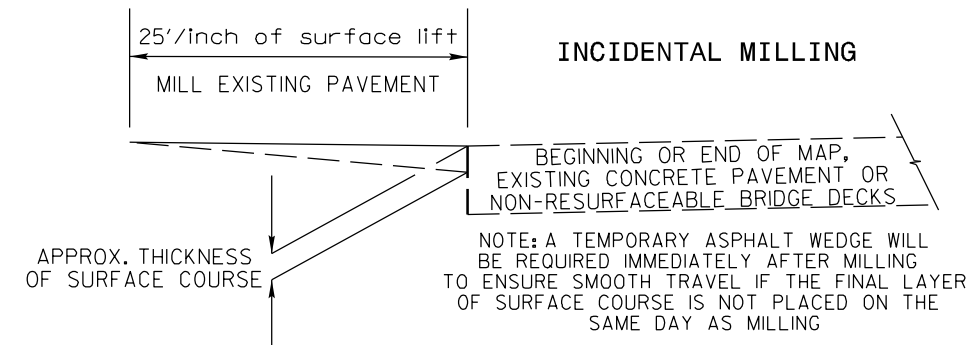
NOTES

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.

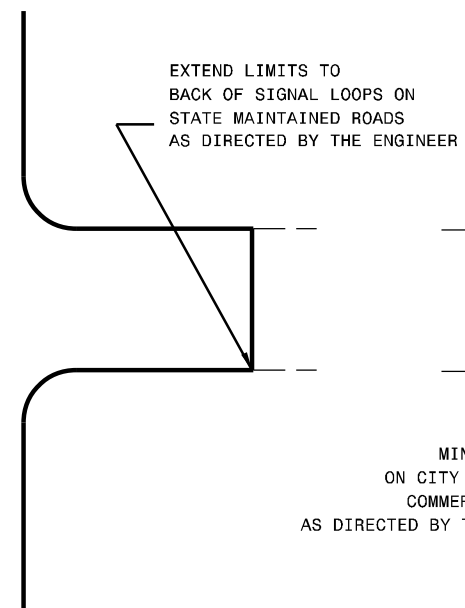


PATCHING EXISTING PAVEMENT

MILLING TO BE PERFORMED PRIOR TO PATCHING

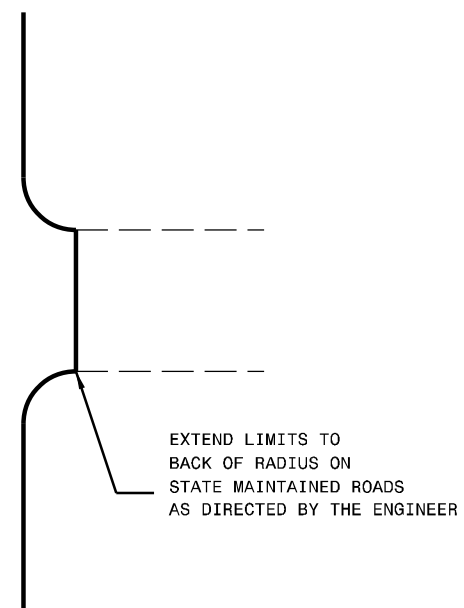


DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



MINIMUM TIE IN ON CITY STREETS AND COMMERCIAL DRIVES AS DIRECTED BY THE ENGINEER

DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES



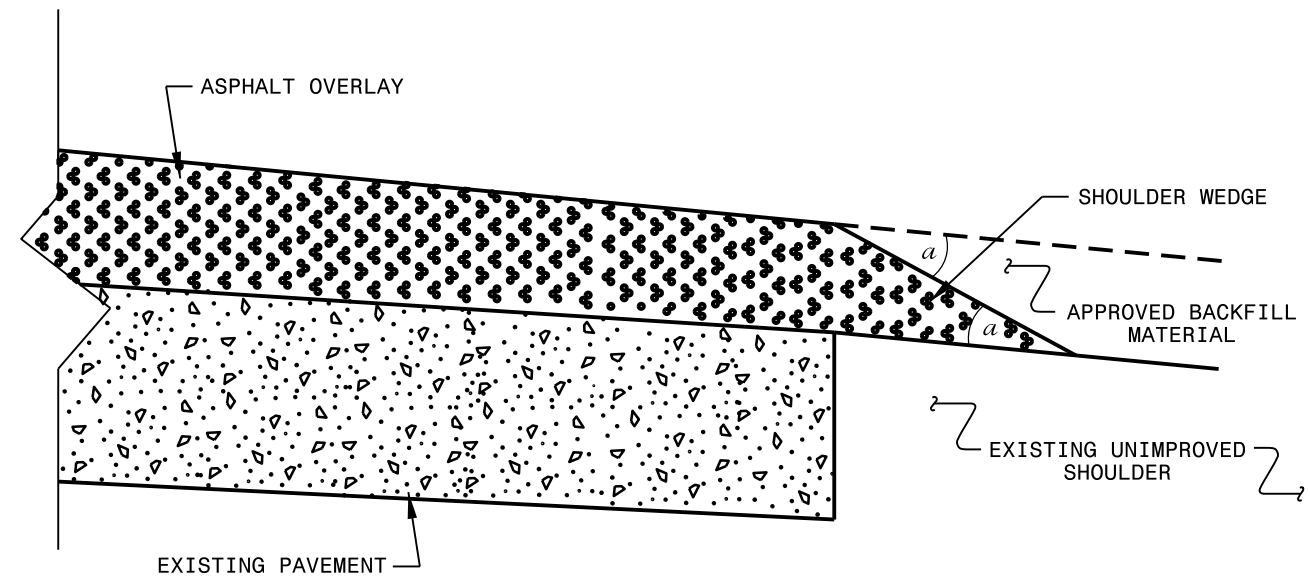
NOTES:

- 1) DETAIL DOES NOT APPLY TO OGAFB 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.



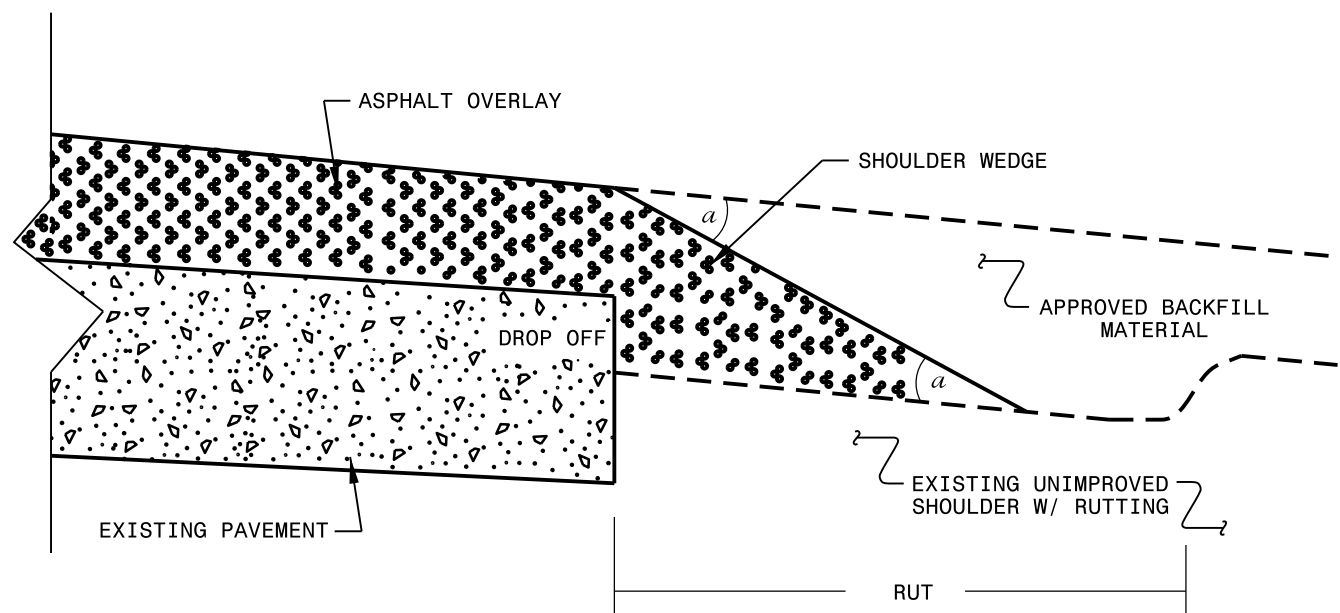
SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ Widening or with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT		
Office 919-707-6950 FAX 919-250-4119		
SHOULDER WEDGE DETAILS		
ORIGINAL BY: T.SPELL	DATE: 7-19-11	
MODIFIED BY:	DATE: 2/2/16	
CHECKED BY:	DATE:	
FILE SPEC.: szusr/details/stand/shoulderwedgedetail.dgn		

SUMMARY OF QUANTITIES

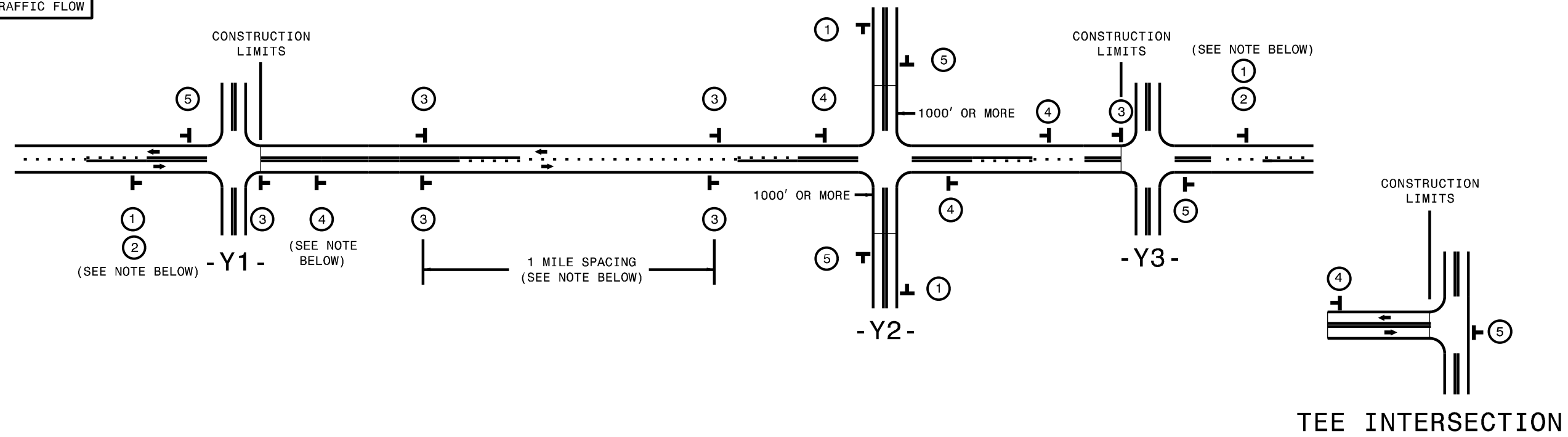
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	010600000	026400000	122000	126000000	1297000	133000	151900000	1575000000	1704000000	2830000	2845000000	6000000	60710100	60840000	6117000000-N		
											BORROW	SHOULDER GRADING	INC. STONE BASE	AGGR. SH. BORROW	1½" MILLING	INC. MILLING	SURFACE COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ADJ. OF MAN-HOLES	ADJ. OF METER OR VALVE BOX	TEMP. SILT FENCE	WATTLE	SEED & MULCHING	RESPONSE FOR EROSION CONTROL		
											MI	FT	CY	SMI	TONS	TON	SY	SY	TONS	TON	TONS	EA	EA	LF	LF	AC	EA
2021CPT.05.26.20911.1	Vance	1	SR 1362 - BUCHANAN RD	WARREN CO TO DEAD END	3	2	NO	NO	0.94	20	38	1.88	47	104		760	850	57	10			55	140	0.55	1		
		2	SR 1501 - ALLISON COOPER RD / S CAROL ST	US 158 - BROAD ST TO SR 1001 - WARRENTON RD	2	2	NO	NO	3.296	18	132	6.59	165	366	60	312	3,095	207	15			192	480	1.92	1		
		3	SR 1511 - OLD WARRENTON RD	SR 1001 - WARRENTON RD TO SR 1513 - S COKEBURY RD	2	2	NO	NO	0.884	20	101	1.77	44	98		708	951	64	20			51	130	0.51	1		
TOTAL FOR PROJ NO. 2021CPT.05.26.20911.1									5.12		271	10.24	256	568	60	1,780	4,896	328	45			298	750	2.98	3		
2021CPT.05.26.20931.1	Warren	4	SR 1119 - FAIRLANE DR	US 158 BUS TO END PAVEMENT	3	2	NO	NO	0.301	17	6	0.60	15	45		300	218	15	10			9	30	0.09			
		5	SR 1147 - GREENWOOD BLVD	SR 1001 - DR KING BLVD TO DEAD END	3	2	NO	NO	0.225	23	23	0.45	11				70	220	15	155			33	90	0.33		
		6	SR 1148 - NORTH COOPER DR	SR 1147 - GREENWOOD BLVD TO SR 1149 - NORTH COOPER DR	3	2	NO	NO	0.089	22	9	0.36	4					83	6	80			13	40	0.13		
		7	SR 1149 - NORTH COOPER DR	SR 1001 - DR KING BLVD TO SR 1148 - NORTH COOPER DR	3	2	NO	NO	0.183	22	18	0.37	9				70	171	11	100			27	70	0.27		
		8	SR 1202 - BUCHANAN RD	VANCE COUNTY TO SR 1200 - DREWRY RD	3	2	NO	NO	0.627	20	25	1.25	31	70			140	534	36	10			36	100	0.36	1	
		9	SR 1204 - KIMBALL POINT RD	SR 1200 - DREWRY VIRGINIA LINE RD TO PARK ENTRANCE	2	2	NO	NO	1.347	20	67	2.69	67	125			56	1,378	92	83			98	250	0.98	1	
		10	SR 1233 - WYCOFF RD	US 1 TO END MAINT	3	2	NO	NO	0.307	18	15	0.61	15	29			62	235	16	10			22	60	0.22		
		11	SR 1241 - BOULDER BLVD	SR 1204 - KIMBALL PT TO END MAINT	3	2	NO	NO	0.236	19	24	0.47	12				66	191	13	10			34	90	0.34		
		12	SR 1335 - CHURCH HILL RD/LYNCH RD	US 158 TO END MAINT	2	2	NO	NO	7.374	20-30	221	14.76	195	955			777	8,559	573	490			322	810	3.22	1	
		13	SR 1332 - BIG WOODS RD	SR 1325 - HARRISTOWN RD TO	2	2	NO	NO	2.351	20	47	4.70		348			250	2,447	164	2,075			68	180	0.68	1	
		14	SR 1358 - PEARL HARBOR RD	SR 1357 - ENTERPRISE RD TO HALIFAX COUNTY	2	2	NO	NO	2.527	20	253	5.05	126				236	2,598	174	930			368	920	3.68	1	
		15	SR 1365 - FLEMING DAIRY RD	NC 903 TO SR 1354 - FLEMING DAIRY RD	2	2	NO	NO	1.117	20	22	2.23	56	165			139	1,142	77	230			32	90	0.32	1	
		16	SR 1404 - DOGWOOD POINTE DR	SR 1403 - SUNNY ACRES RD TO CUL-DE-SAC	3	2	NO	NO	0.09	18	9	0.18	5				70	107	7	20			13	40	0.13		
		17	SR 1483 - W SUMMERWOOD RD	SR 1482 - E SUMMERWOOD RD TO CUL-DE-SAC	2	2	NO	NO	0.37	18	37	0.74	19				63	425	28	40			54	140	0.54		
		18	SR 1485 - RIVER BLUFF RD	SR 1483 - SUMMERWOOD RD NORTH TO CUL-DE-SAC	2	2	NO	NO	0.059	18	6	0.12	3					102	7	10			9	30	0.09		
		19	SR 1600 - PLUMMER ST/S BRAGG/HALIFAX ST	WARRENTON CITY LIMITS TO US 401	1	2	NO	NO	0.354	20-24						4,869	972	508	34	31	4	3					
		20	SR 1644 - WHITE ST	WARRENTON CITY LIMITS TO DEAD END	3	2	NO	NO	0.08	18	8	0.16	4				70	61	4	10			12	30	0.12		
		21	SR 1645 - RIDGECREST DR	US 158 BUS TO END PAVEMENT	3	2	NO	NO	0.456	20	46	0.91	23				70	388	26	10	2		66	170	0.66		
		22	SR 1709 - HARRIS JENKINS RD	SR 1365 - FLEMING DAIRY RD TO SR 1710 - OWEN LN	2	2	NO	NO	0.433	18	9	0.87	22	64			70	399	27	260			13	40	0.13		
		TOTAL FOR PROJ NO. 2021CPT.05.26.20931.1									18.526		845	36.52	617	1,801	4,869	3,481	19,766	1,325	4,564	6	3	1,229	3,180	12.29	6
		GRAND TOTAL									23.646		1,116	46.76	873	2,369	4,929	5,261	24,662	1,653	4,609	6	3	1,527	3,930	15.27	9

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LENGTH	WIDTH	4413000000-E	4457000000	4685000000-E		4720000000-E				4891000000-E	4891000000-E			
									WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMP. TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	THERMO MSG SCHOOL 90 M	THERMO MSG AHEAD 90 M	THERMO MSG STOP 90 M	THERMO MSG RXR 90 M	24" X 90 M WHITE THERMO	16" X 90 M WHITE THERMO			
									SF	LS	LF	LF	EA	EA	EA	EA	LF	LF			
2021CPT.05.26.20911.1	Vance	1	SR 1362 - BUCHANAN RD	WARREN CO TO DEAD END	3	2	0.94	20	106			10,114	9,926								
		2	SR 1501 - ALLISON COOPER RD/S CAROL ST	US 158 - BROAD ST TO SR 1001 - WARRENTON RD	2	2	3.296	18	369	*		35,465	30,105	12	5	4	2	150	40		
		3	SR 1511 - OLD WARRENTON RD	SR 1001 - WARRENTON RD TO SR 1513 - S COKESBURY RD	2	2	0.884	20	99			9,512	7,245								
TOTAL FOR PROJ NO. 2021CPT.05.26.20911.1							5.12		574		55,091	47,276	12	5	4	2	150	40			
											102,367	23									
2021CPT.05.26.20931.1	Warren	4	SR 1119 - FAIRLANE DR	US 158 BUS TO END PAVEMENT	3	2	0.301	17	34												
		5	SR 1147 - GREENWOOD BLVD	SR 1001 - DR KING BLVD TO DEAD END	3	2	0.225	23	25												
		6	SR 1148 - NORTH COOPER DR	SR 1147 - GREENWOOD BLVD TO SR 1149 - NORTH COOPER DR	3	2	0.089	22	10												
		7	SR 1149 - NORTH COOPER DR	SR 1001 - DR KING BLVD TO SR 1148 - NORTH COOPER DR	3	2	0.183	22	20												
		8	SR 1202 - BUCHANAN RD	VANCE COUNTY TO SR 1200 - DREWRY RD	3	2	0.627	20	70			6,747	4,510								
		9	SR 1204 - KIMBALL POINT RD	SR 1200 - DREWRY VIRGINIA LINE RD TO PARK ENTERANCE	2	2	1.347	20	151			14,494	14,224								
		10	SR 1233 - WYCOFF RD	US 1 TO END MAINT	3	2	0.307	18	34												
		11	SR 1241 - BOULDER BLVD	SR 1204 - KIMBALL PT TO END MAINT	3	2	0.236	19	26												
		12	SR 1335 - CHURCH HILL RD/LYNCH RD	US 158 TO END MAINT	2	2	7.374	20-30	127			75,020	68,095								
		13	SR 1332 - BIG WOODS RD	SR 1325 - HARRISTOWN RD TO US 158	2	2	2.351	20	264			25,297	24,826								
		14	SR 1358 - PEARL HARBOR RD	SR 1357 - ENTERPRISE RD TO HALIFAX COUNTY	2	2	2.527	20	283		*	26,686	24,875								
		15	SR 1365 - FLEMING DAIRY RD	NC 903 TO SR 1354 - FLEMING DAIRY RD	2	2	1.117	20	125			12,019	7,628								
		16	SR 1404 - DOGWOOD POINTE DR	SR 1403 - SUNNY ACRES RD TO CUL-DE-SAC	3	2	0.09	18	10												
		17	SR 1483 - W SUMMERWOOD RD	SR 1482 - E SUMMERWOOD RD TO CUL-DE-SAC	2	2	0.37	18	41												
		18	SR 1485 - RIVER BLUFF RD	SR 1483 - SUMMERWOOD RD NORTH TO CUL-DE-SAC	2	2	0.059	18	7												
		19	SR 1600 - PLUMMER ST/S BRAGG/HALIFAX ST	WARRENTON CITY LIMITS TO US 401	1	2	0.354	20-24	40				3,738								
		20	SR 1644 - WHITE ST	WARRENTON CITY LIMITS TO DEAD END	3	2	0.08	18	9												
		21	SR 1645 - RIDGECREST DR	US 158 BUS TO END PAVEMENT	3	2	0.456	20	51												
		22	SR 1709 - HARRIS JENKINS RD	SR 1365 - FLEMING DAIRY RD TO SR 1710 - OWEN LN	2	2	0.433	18	48												
		TOTAL FOR PROJ NO. 2021CPT.05.26.20931.1							18.526		1,375		160,263	147,896							
													308,159								
		GRAND TOTAL							23.646		1,949	1	215,354	195,172	12	5	4	2	150	40	
											410,526	23									







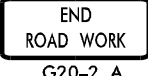
SIGNING FOR RESURFACING PROJECTS

LEGEND
 STATIONARY SIGN
 DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

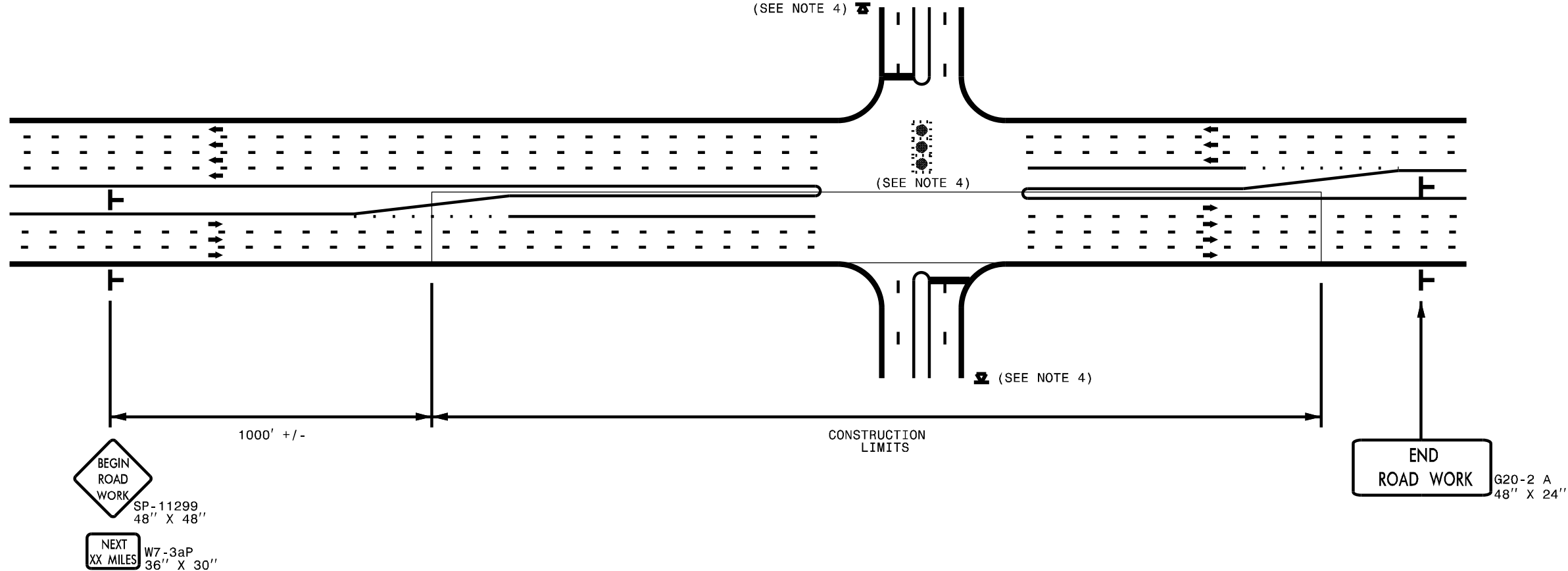
SIGNING NOTES AND PLACEMENT PER DIRECTION	①	 W20-1 48" X 48"	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 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, PORTABLE ADVANCE WARNING 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;">  W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;">  W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	②	 NEXT XX MILES W7-3aP 24" X 18"	#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	③	 LOW/SOFT SHOULDER SP 13107 48" X 48"	<ul style="list-style-type: none"> - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER. 	
	④	 ROAD UNDER CONST SP 13106 48" X 48"	<ul style="list-style-type: none"> - 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. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE. 	
	⑤	 END ROAD WORK G20-2 A 48" X 24"	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	
<p>THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.</p>				
MAPS LESS THAN 2 MILES	<p>FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.</p>			



ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DCON\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

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.

LEGEND	
T	STATIONARY SIGN
➔	DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES**

\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DCON\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA**

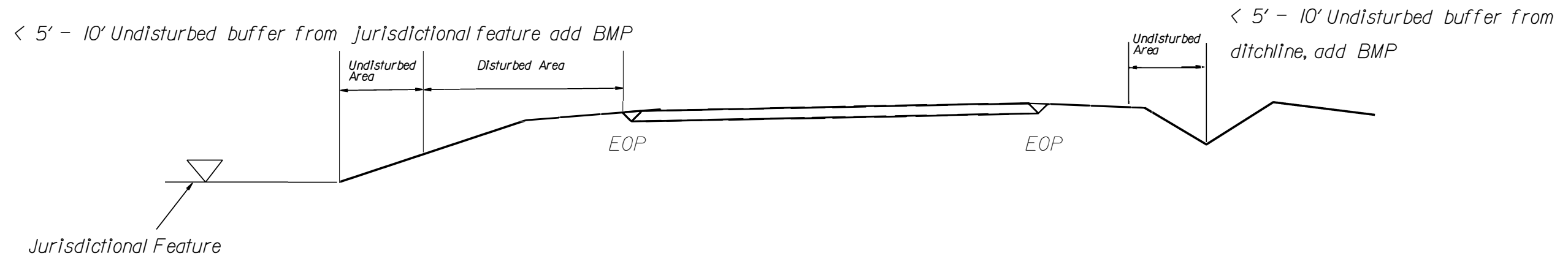
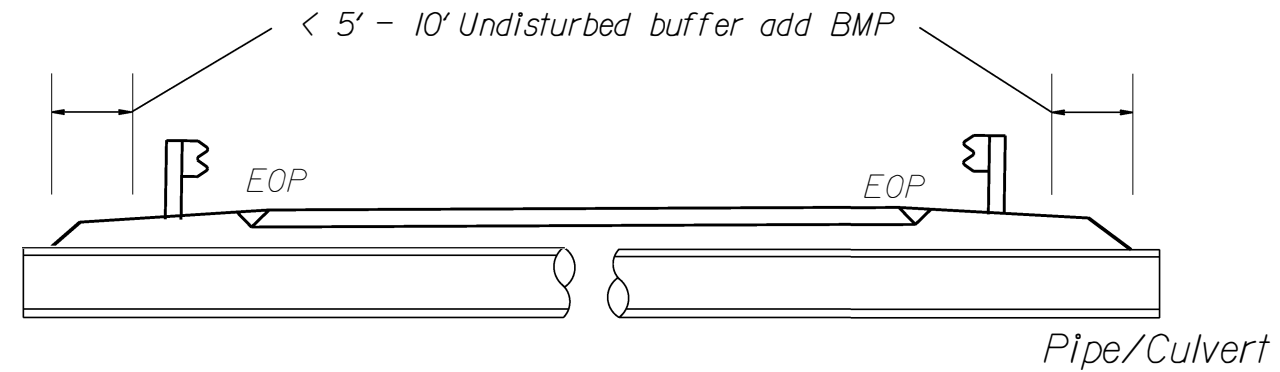
SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) 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 HOW ZONES.

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

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

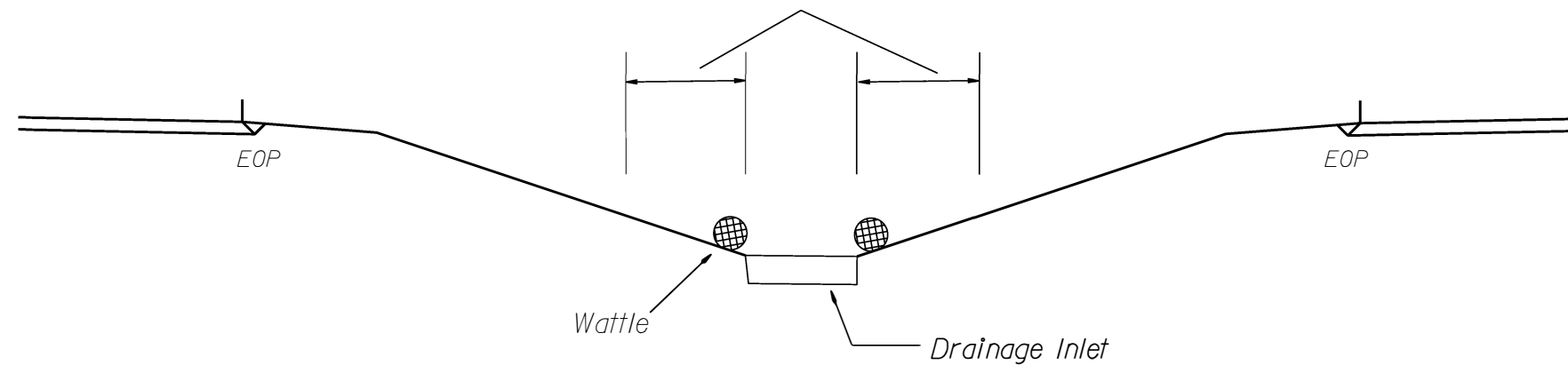
EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed

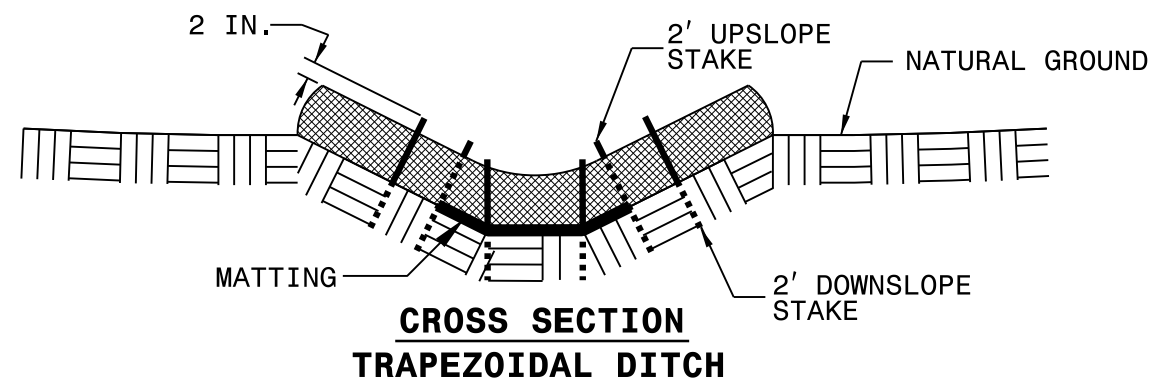
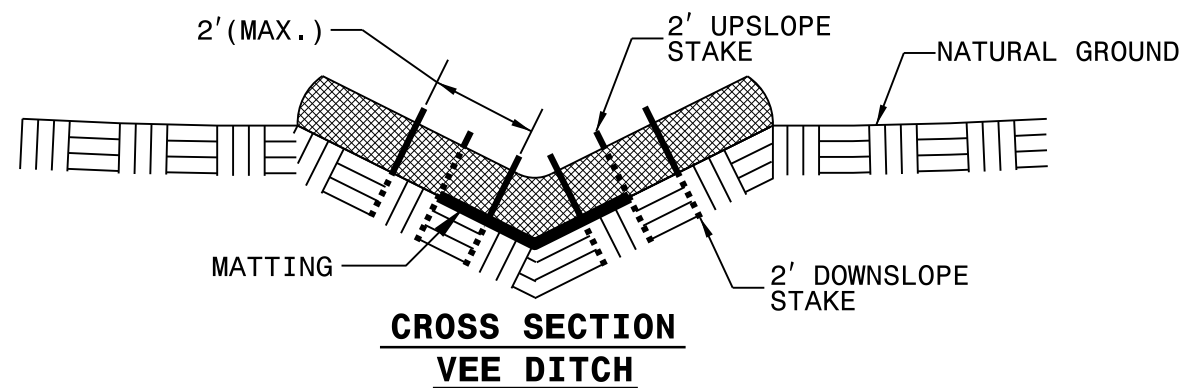
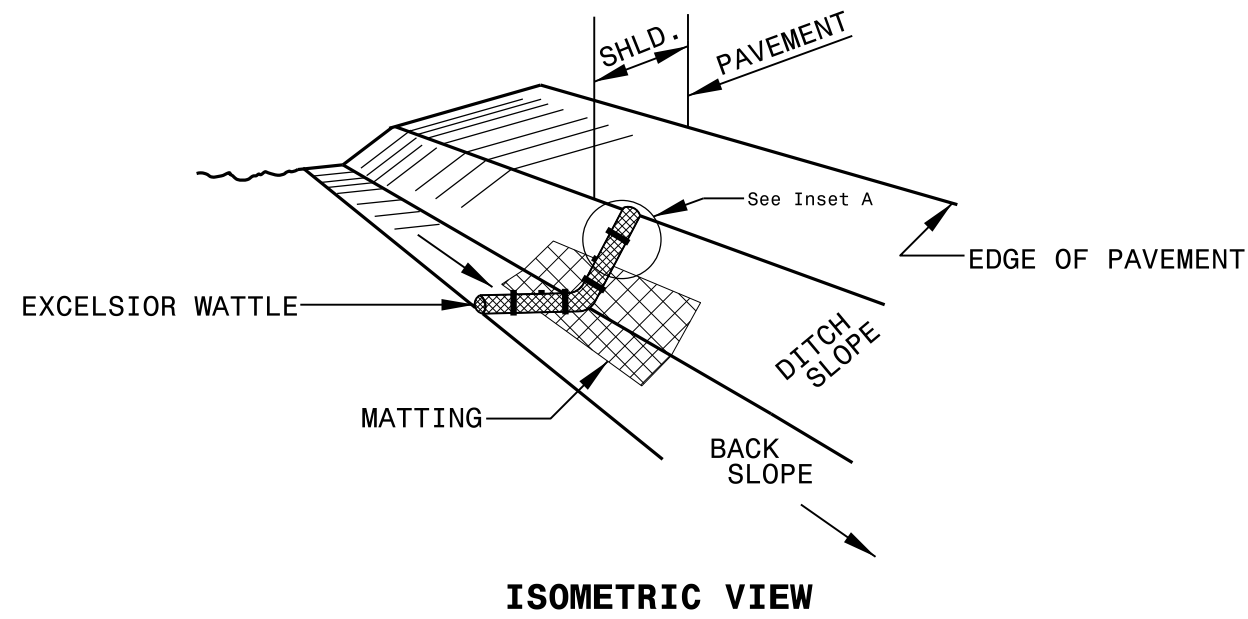


< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

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.

