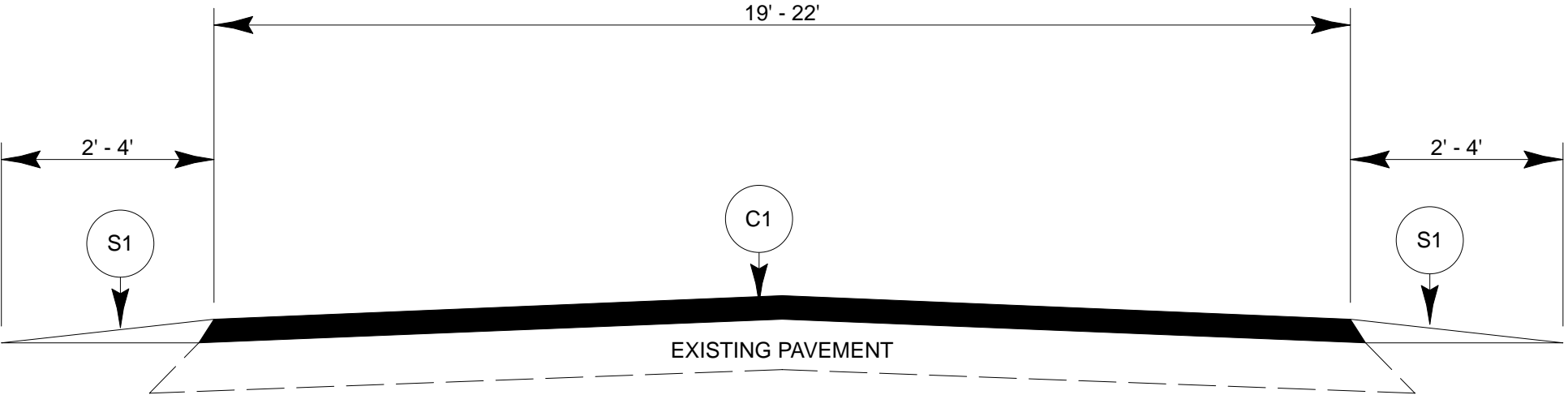
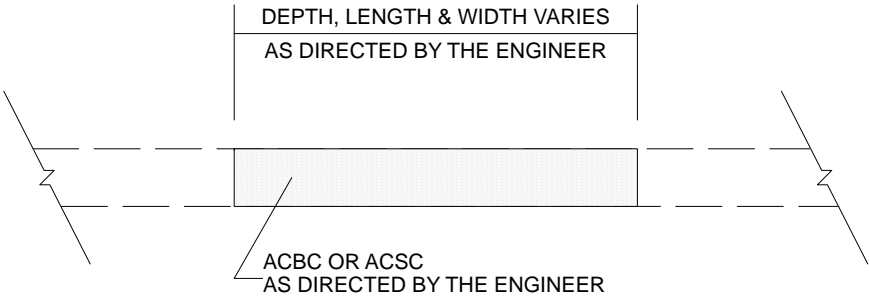


**2014-2015 FRANKLIN COUNTY
SECONDARY RESURFACING**

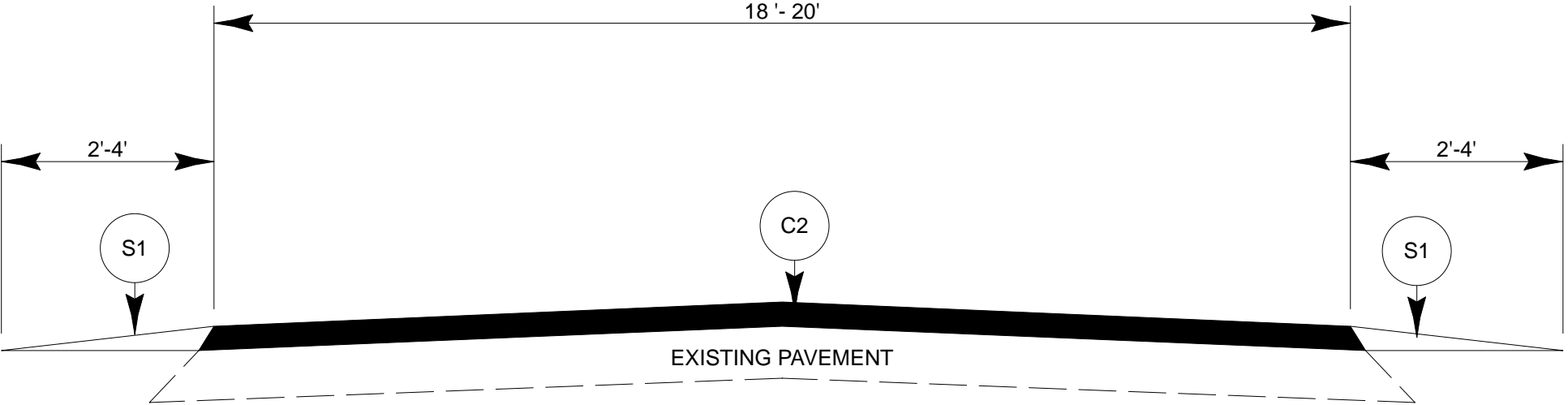
PROJECT NO.	SHEET NO.	TOTAL SHEETS
5CR.20351.17		



TYPICAL SECTION NO. 1



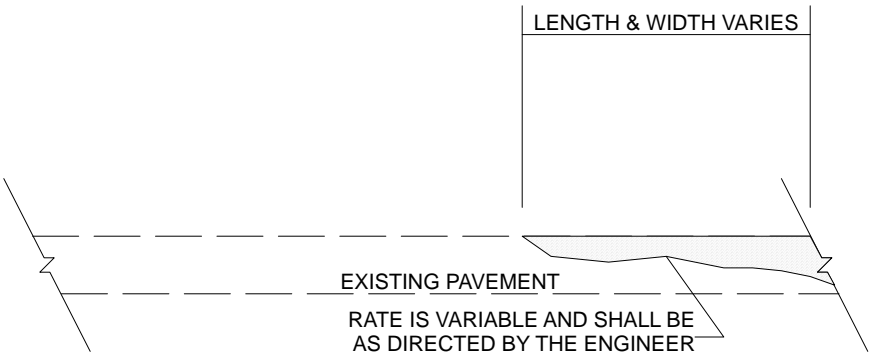
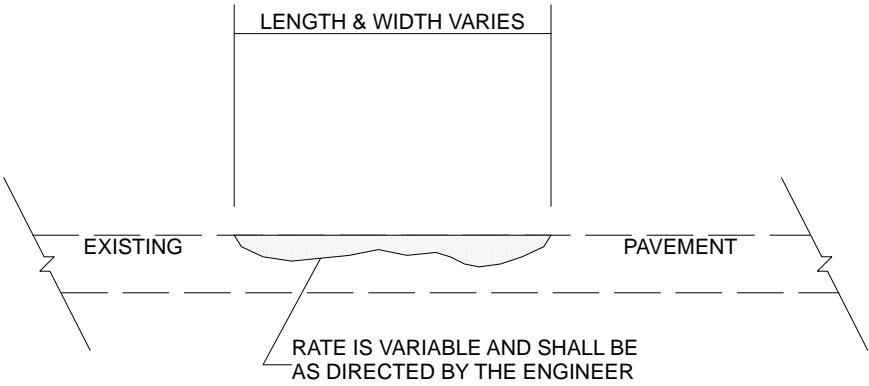
PATCHING EXISTING PAVEMENT



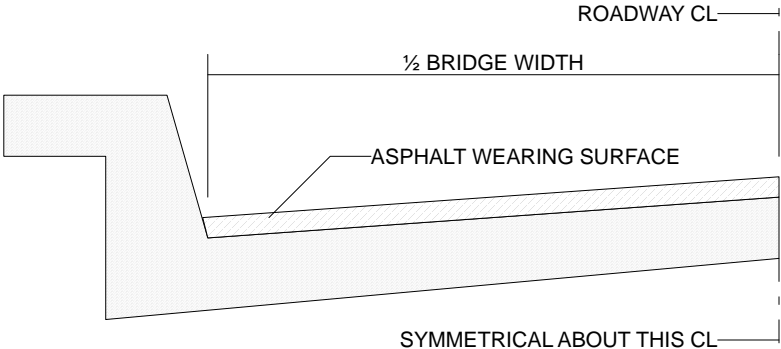
TYPICAL SECTION NO. 2

PAVEMENT SCHEDULE	
C1	PROPOSED APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SY
C2	PROPOSED APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SY
S1	SHOULDER RECONSTRUCTION WHERE APPLICABLE

PROJECT NO.	SHEET NO.	TOTAL SHEETS
5CR.20351.17		



ASPHALT CONCRETE SURFACE COURSE
(LEVELING COURSE)



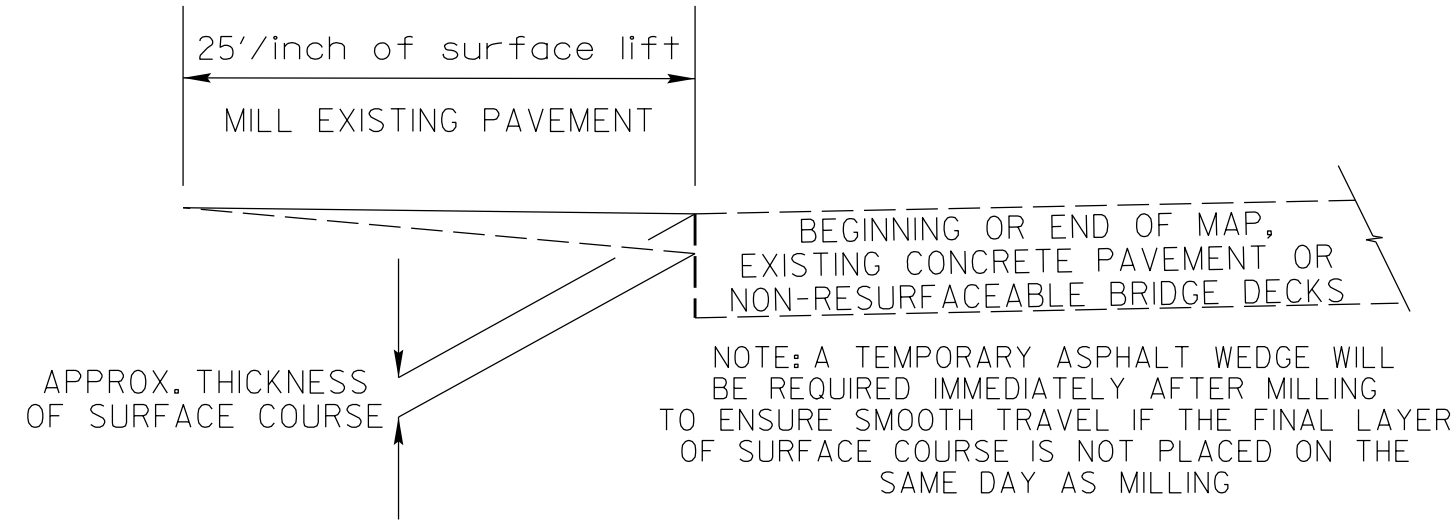
BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN

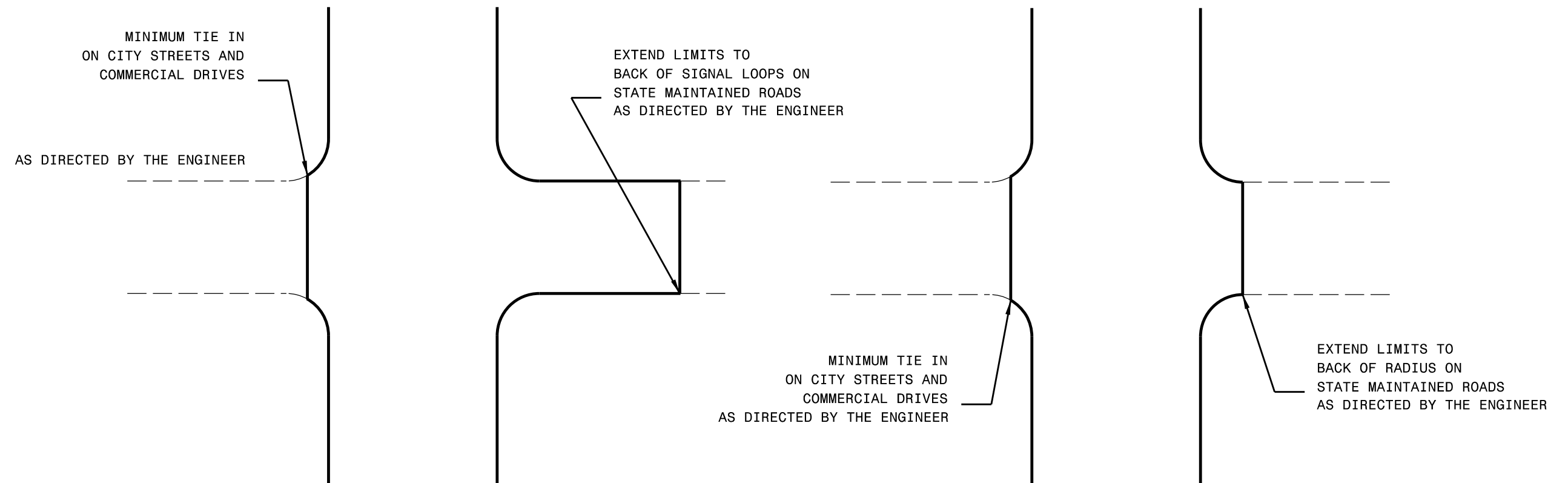
THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. THE MINIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1/2", SF9.5A 1.0", S9.5X 1.5", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 3/4", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 1/2".THE MAXIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1.0", SF9.5A 1.5",S9.5X 2.0", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 3/4", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 1/2".

NOTES

ALL UNPAVED 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. SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE INDICATED. BRIDGES ARE TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.



DETAIL OF INCIDENTAL MILLING



DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES

DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

PROJECT NO.	SHEET NO.	TOTAL NO.
5CR.20351.17		

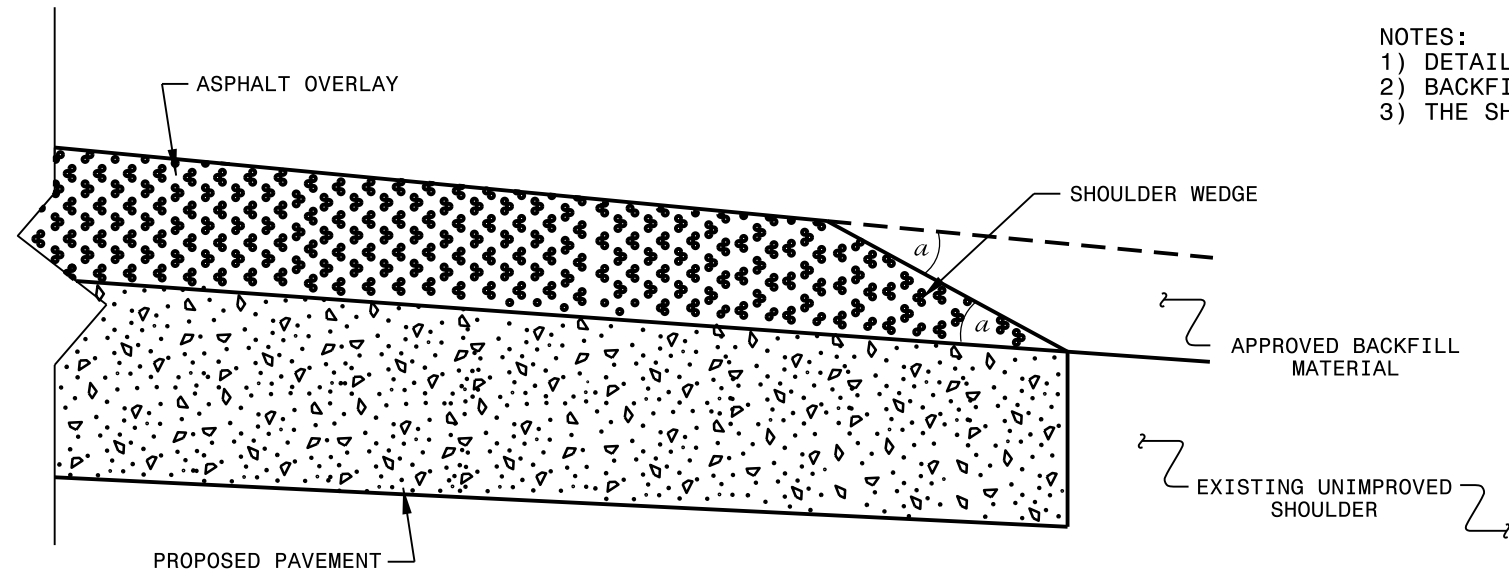
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRU CTION SMI	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TON	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT TONS	TEMPORARY SILT FENCE LF	SEED & MULCHING AC
5CR.20351.17	Franklin	1	SR 1746 (STALLINGS ROAD)	SR 1750 TO NC 39	2	2	NO	YES	3	18	525	300	6.00	420		2,763	185	250	1,000	4.20
TOTAL FOR MAP NO. 1									3		525	300	6.00	420		2,763	185	250	1,000	4.20
5CR.20351.17	Franklin	2	SR 1141 (GORDON MOORE ROAD)	NC 56 TO SR 1127	2	2	NO	NO	3.3	18	578	330	6.60	240		3,040	204	250	1,000	4.62
TOTAL FOR MAP NO. 2									3.3		578	330	6.60	240		3,040	204	250	1,000	4.62
5CR.20351.17	Franklin	3	SR 1132 (FLEMMING ROAD)	SR 1100 TO SR 1133	1	2	NO	NO	2.9	20	508	290	5.80	240	3,020		181	500	1,000	4.06
TOTAL FOR MAP NO. 3									2.9		508	290	5.80	240	3,020		181	500	1,000	4.06
5CR.20351.17	Franklin	4	SR 1763 (CLINTON CARLYLE ROAD)	SR 1747 TO SR 1748	2	2	NO	NO	0.8	18	140	80	1.60	120		737	49	100	100	1.12
TOTAL FOR MAP NO. 4									0.8		140	80	1.60	120		737	49	100	100	1.12
5CR.20351.17	Franklin	5	SR 1136 (FISH STALLINGS ROAD)	SR 1147 TO END OF PVM'T	1	2	NO	NO	0.7	20	122	70	1.40	200	729		44	300		0.98
TOTAL FOR MAP NO. 5									0.7		122	70	1.40	200	729		44	300		0.98
5CR.20351.17	Franklin	6	SR 1144 (MAYS STORE ROAD)	NC 96 TO GRANVILLE COUNTY LINE	2	2	NO	NO	0.3	20	53	30	0.60	120		307	21	50		0.42
TOTAL FOR MAP NO. 6									0.3		53	30	0.60	120		307	21	50		0.42
5CR.20351.17	Franklin	7	SR 1145 (TOM LINUM)	NC 96 TO GRANVILLE COUNTY LINE	2	2	NO	NO	0.3	20	53	30	0.60	120		307	21	50		0.42
TOTAL FOR MAP NO. 7									0.3		53	30	0.60	120		307	21	50		0.42
TOTAL FOR PROJ NO. 5CR.20351.16									11.3		1,979	1,130	22.60	1,460	3,749	7,154	705	1,500	3,100	15.82
GRAND TOTAL									11.3		1,979	1,130	22.60	1,460	3,749	7,154	705	1,500	3,100	15.82

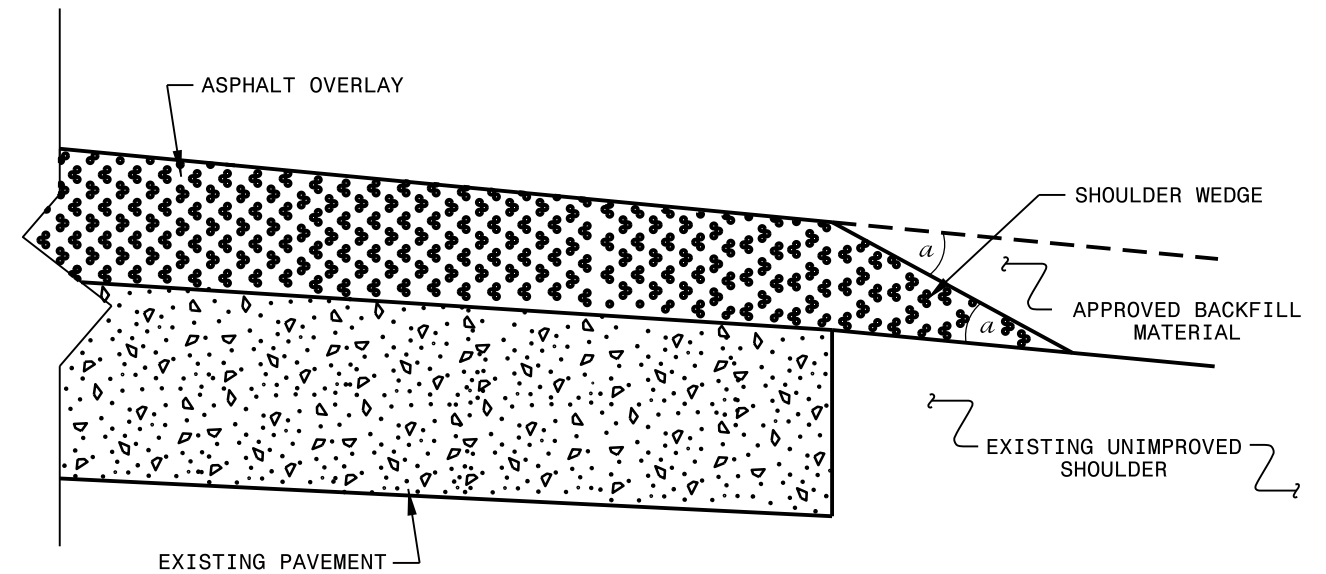
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LENGTH	WIDTH	4413000000-E	4457000000-N	4685000000-E	4686000000-E		4710000000-E
									WORK ZONE ADVANCE/ GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 120 M YELLOW THERMO	4" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO
									SF	LS	LF	LF	LF	LF
5CR.20351.17	Franklin	1	SR 1746 (STALLINGS ROAD)	SR 1750 TO NC 39	2	2	3	18	336	0.26	32,280	19,800		40
TOTAL FOR MAP NO. 1							3		336	0.26	32,280	19,800		40
5CR.20351.17	Franklin	2	SR 1141 (GORDON MOORE ROAD)	NC 56 TO SR 1127	2	2	3.3	18	480	0.29	35,508	21,780	50	
TOTAL FOR MAP NO. 2							3.3		480	0.29	35,508	21,780	50	
5CR.20351.17	Franklin	3	SR 1132 (FLEMMING ROAD)	SR 1100 TO SR 1133	1	2	2.9	20	320	0.26	31,204	30,624	100	
TOTAL FOR MAP NO. 3							2.9		320	0.26	31,204	30,624	100	
5CR.20351.17	Franklin	4	SR 1763 (CLINTON CARLYLE ROAD)	SR 1747 TO SR 1748	2	2	0.8	18	96	0.07	8,608	8,448		
TOTAL FOR MAP NO. 4							0.8		96	0.07	8,608	8,448		
5CR.20351.17	Franklin	5	SR 1136 (FISH STALLINGS ROAD)	SR 1147 TO END OF PVM'T	1	2	0.7	20	96	0.06	7,532	7,392	50	15
TOTAL FOR MAP NO. 5							0.7		96	0.06	7,532	7,392	50	15
5CR.20351.17	Franklin	6	SR 1144 (MAYS STORE ROAD)	NC 96 TO GRANVILLE COUNTY LINE	2	2	0.3	20	48	0.03	3,228	3,168		14
TOTAL FOR MAP NO. 6							0.3		48	0.03	3,228	3,168		14
5CR.20351.17	Franklin	7	SR 1145 (TOM LINUM)	NC 96 TO GRANVILLE COUNTY LINE	2	2	0.3	20	48	0.03	3,228	1,980		14
TOTAL FOR MAP NO. 7							0.3		48	0	3,228	1,980		14
TOTAL FOR PROJ NO. 5CR.20351.16							11.3		1,424	1	121,588	93,192	200	83
												93,392		
GRAND TOTAL							11.3		1,424	1	121,588	93,192	200	83
												93,392		

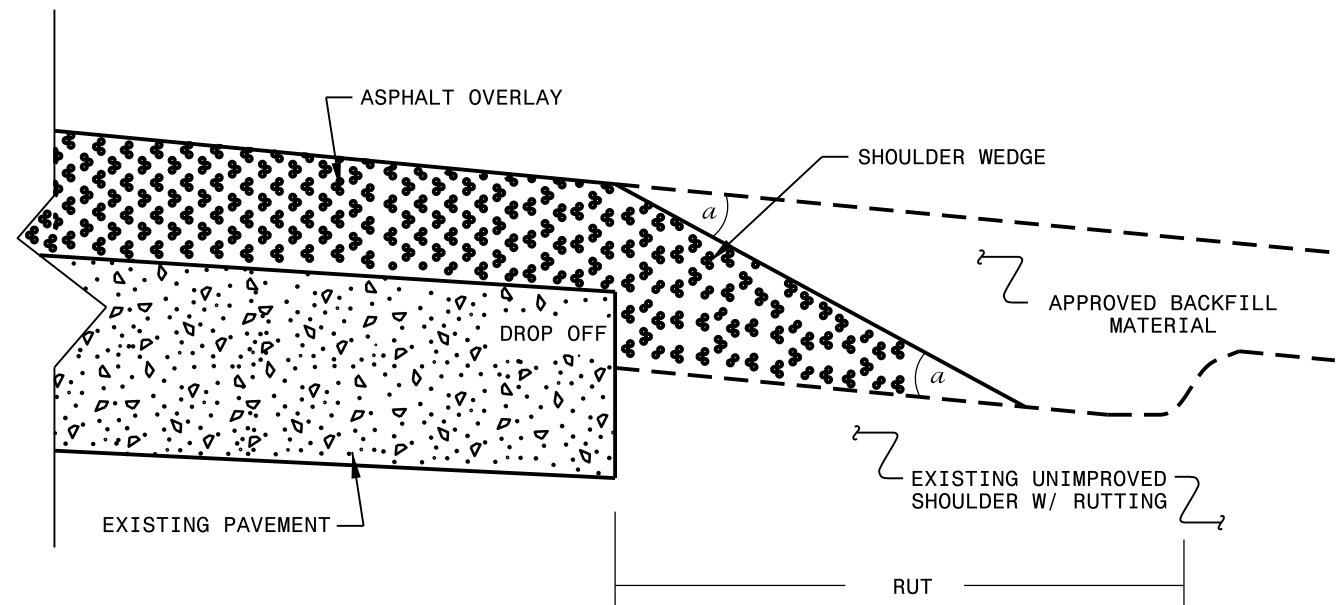
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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:	10/16/12
CHECKED BY:		DATE:	
ETLE SPFC.: s:\usr\details\stand\shoulderwedgedetail.dgn			

DIVISION OF HIGHWAYS

STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

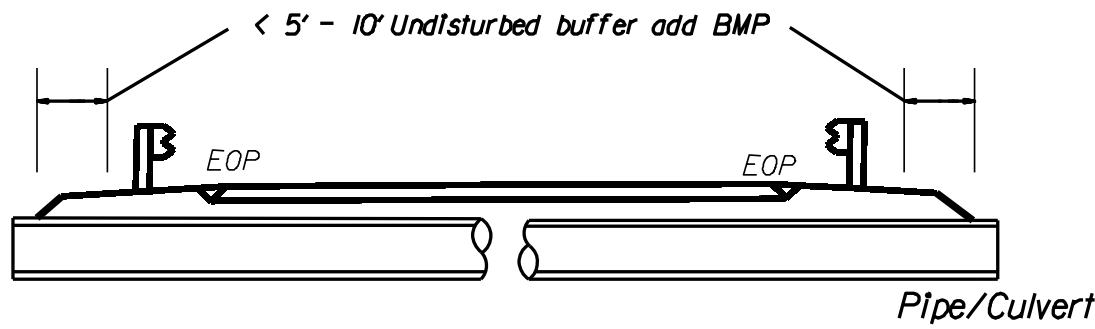
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	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.

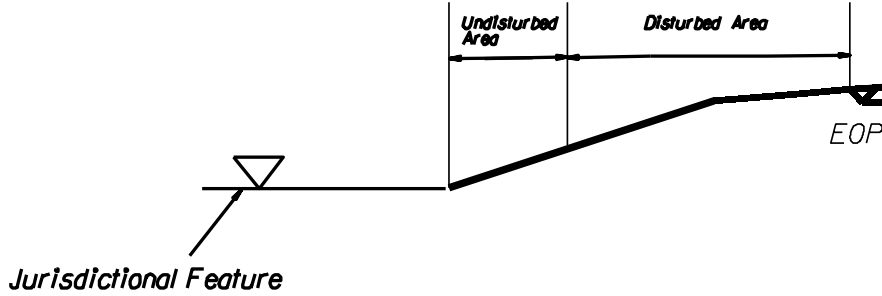
BMP Options: Wattle, Silt Fence, or Hardened Aggregate.

EROSION CONTROL DETAIL

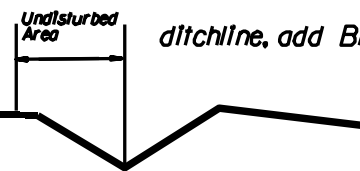
PROJECT REFERENCE NO.	SHEET NO.
8-1111	18-1111-01
RDW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



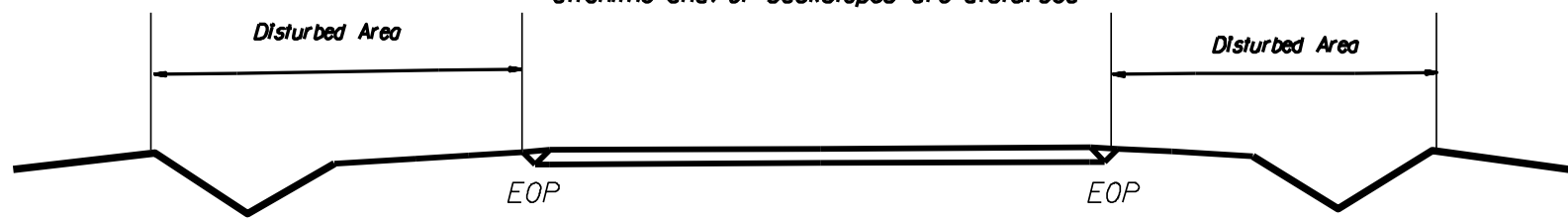
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



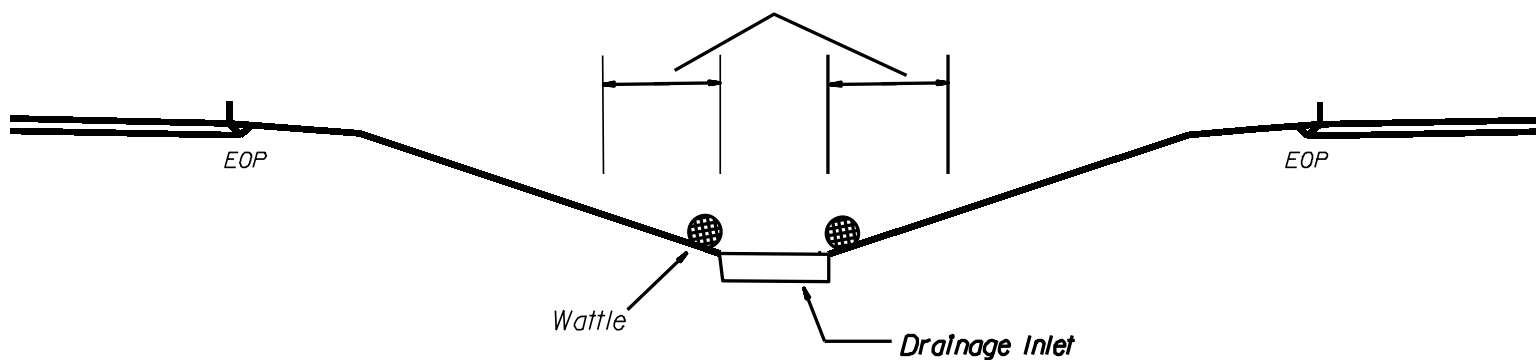
< 5' - 10' Undisturbed buffer from ditchline, add BMP



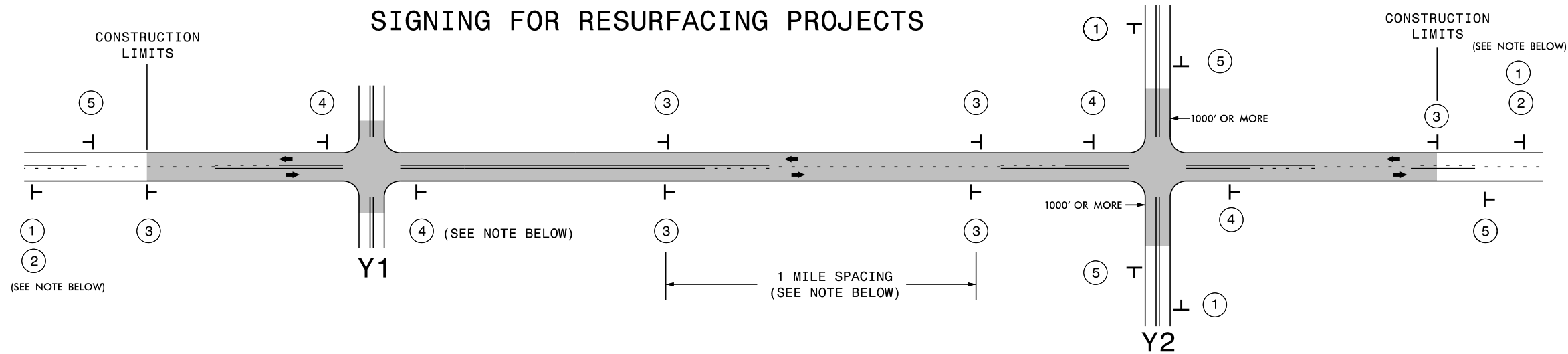
Use BMP's if shoulders and/or front slopes and/or ditchline and/or back slopes are disturbed



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



NOT TO SCALE



LEGEND

└ STATIONARY SIGN

➔ DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	<div><div>1</div><div></div><div>W20-1 48" X 48"</div></div> <div><div>2</div><div></div><div>W7-36P 24" X 18"</div></div>	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.
	<div><div>3</div><div></div><div>SP 13107 48" X 48"</div></div>	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.
	<div><div>4</div><div></div><div>SP 13106 48" X 48"</div></div>	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.
	<div><div>5</div><div></div><div>G20-2 A 48" X 24"</div></div>	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.
	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <div>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</div> <div>2) SUBDIVISION ROADS</div> <div>3) DEAD END ROADS</div> <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><div></div><div>W20-1 48" X 48"</div></div> <div></div> <div>W20-7 A 48" X 48"</div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>	



RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS