

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.
N.C.	2023CPT.01.13.10211.1	1
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION
2023CPT.01.13.10211.1		PE_CONST

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

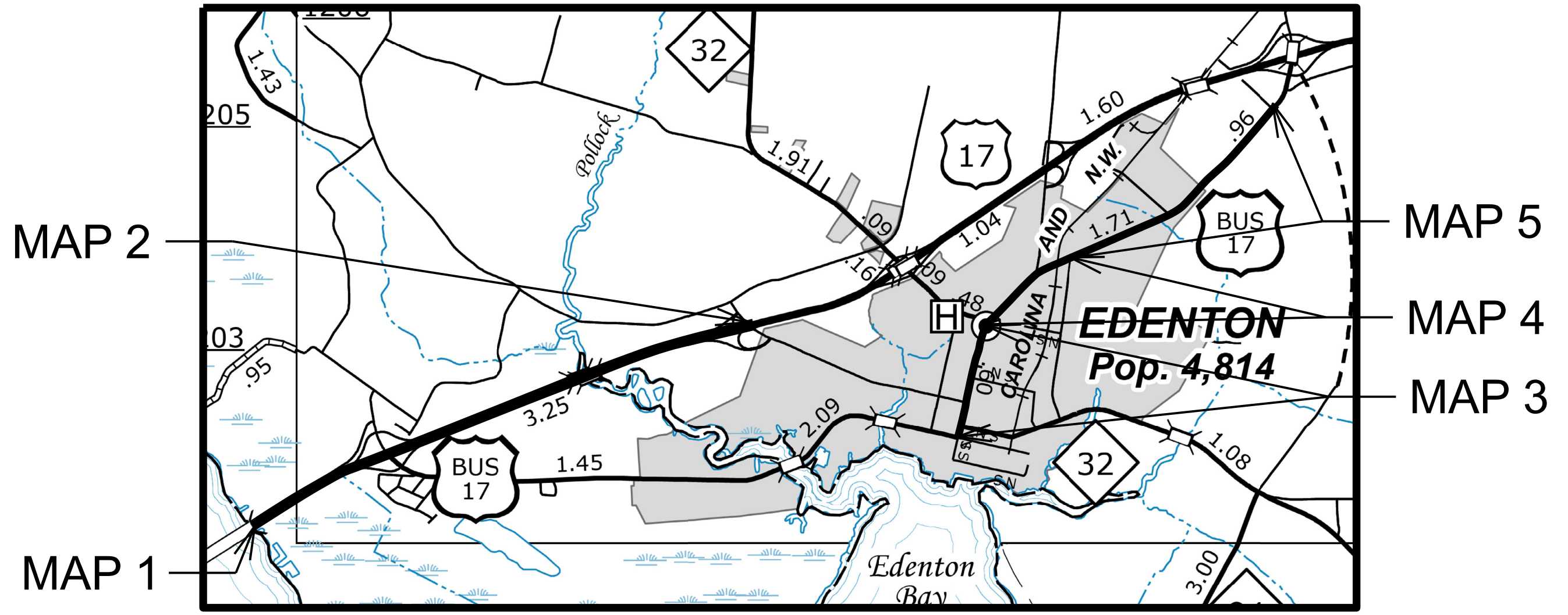
CHOWAN COUNTY

LOCATION:
 MAP 1 - US 17 NB FROM BRIDGE TO MLK AVE.
 MAP 2 - US 17 SB FROM MLK AVE. TO BRIDGE
 MAP 3 - US 17 BUS (BROAD ST.) FROM QUEEN ST. TO NC 32

MAP 4 - US 17 BUS (BROAD ST.) FROM NC 32 TO JOINT AT WIDTH CHANGE
 MAP 5 - US 17 BUS (BROAD ST.) FROM JOINT AT WIDTH CHANGE TO SR 1323

TYPE OF WORK: MILLING, RESURFACING AND SHOULDER RECONSTRUCTION

CONTRACT: DA00542 WBS NO.: 2023CPT.01.13.10211.1



GRAPHIC SCALES

NTS

MAP LENGTH

- MAP 1 = 2.83 MILES
- MAP 2 = 2.83 MILES
- MAP 3 = 0.68 MILES
- MAP 4 = 0.81 MILES
- MAP 5 = 1.34 MILES

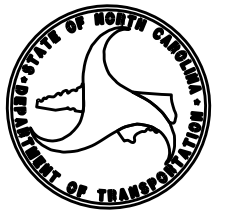
Prepared in the Office of:
DIVISION 1
 DIVISION OF HIGHWAYS
 113 AIRPORT DR., EDENTON NC, 27932

2018 STANDARD SPECIFICATIONS

W. B. HOBBS, PE
 DIVISION PROJECT DEVELOPMENT ENGINEER

CHRIS SLACHTA
 DIVISION CONTRACT ENGINEER

S. P. FENWICK, PLS
 DIVISION DESIGN ENGINEER



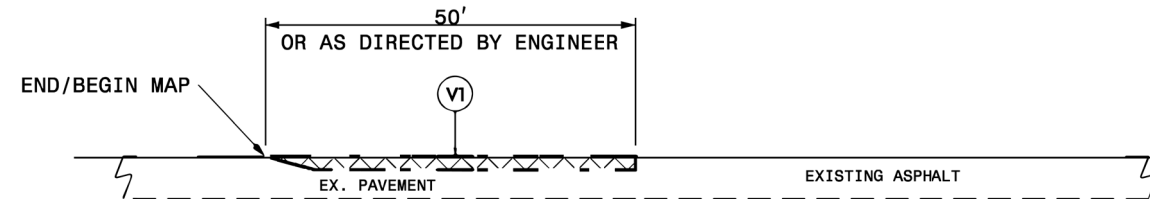
09/08/99
 \$\$\$SYTIME\$\$\$\$\$
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PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 0.75" OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 AT AN AVERAGE RATE OF 90 LBS. PER SQ. YD.
M	REPLACE EXISTING RUMBLE STRIPS
T	EARTH MATERIAL
U	EXISTING PAVEMENT.
V1	INCIDENTAL MILLING
V2	MILLING ASPHALT PAVEMENT 1½".

NOTES:

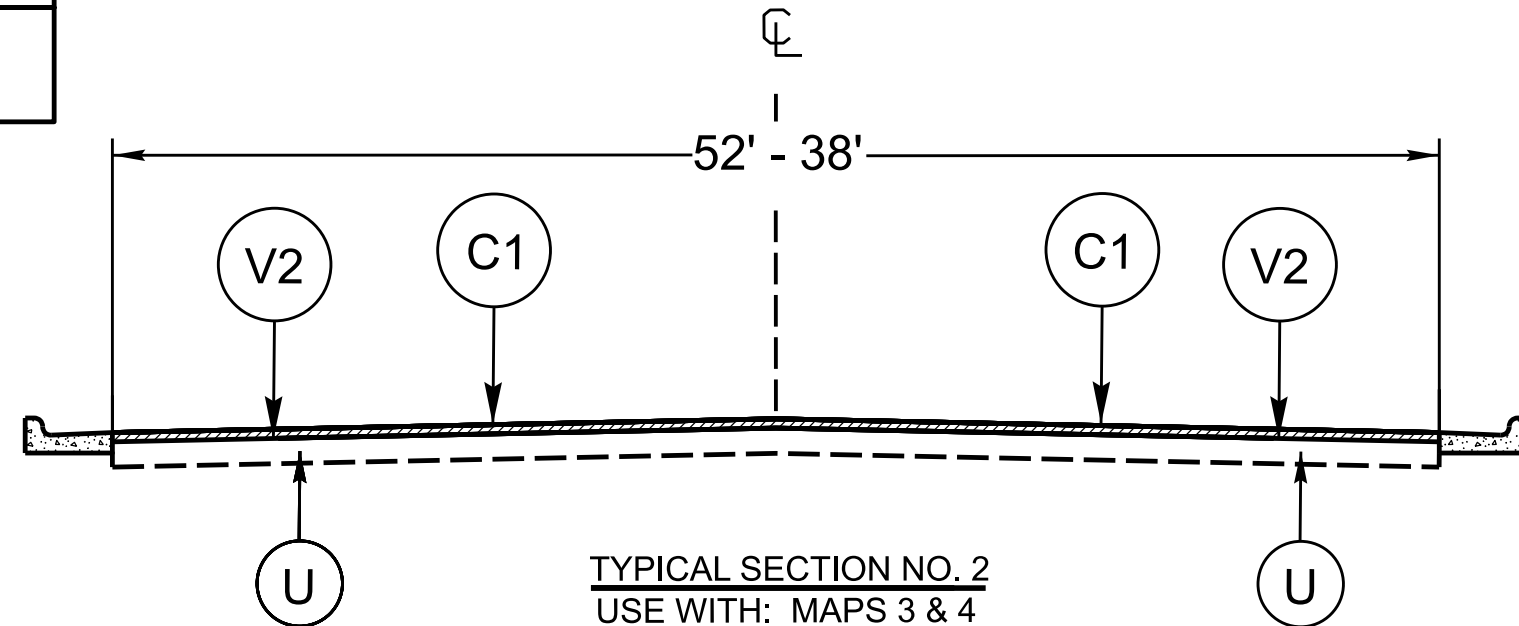
- * ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- * SIGNAL LOOPS TO BE INSTALLED PRIOR TO FINAL LIFT OF SURFACE COURSE.



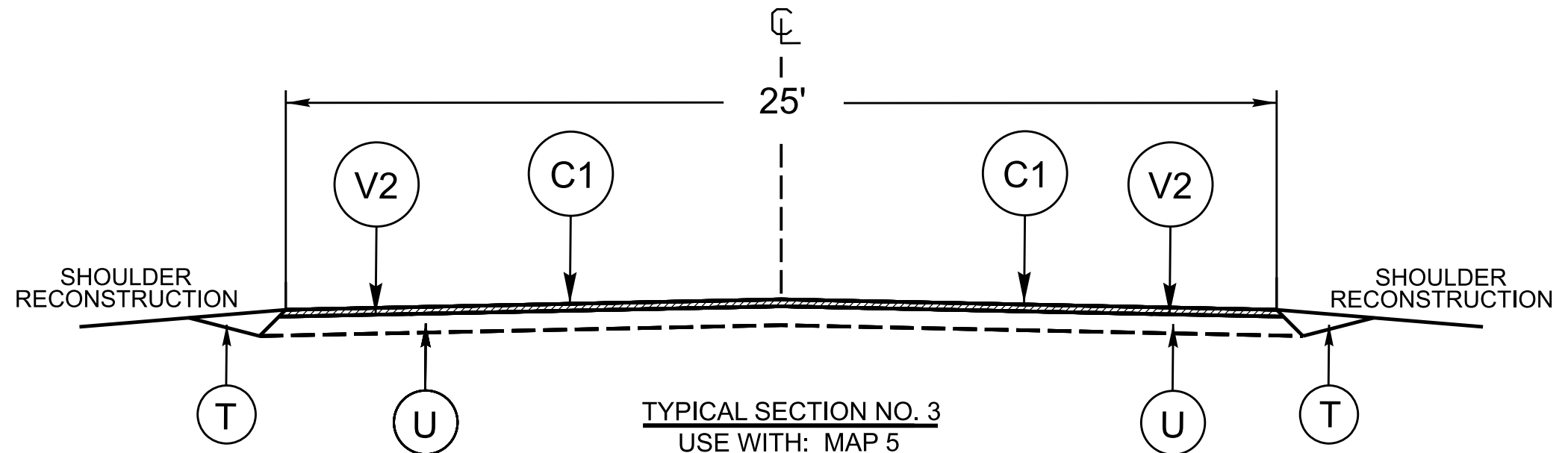
DETAIL 1

MAIN LINE MILLING

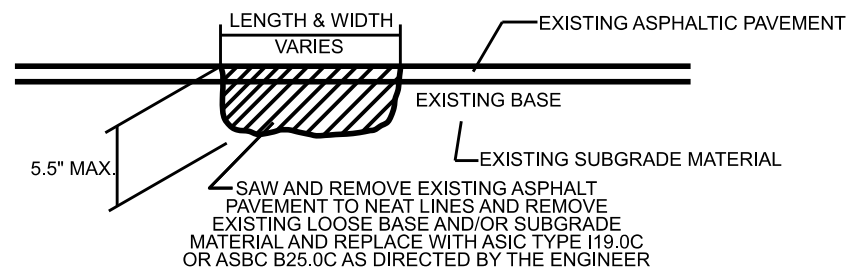
- NOTE:**
1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS, OR AS DIRECTED BY THE ENGINEER.
 2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.



TYPICAL SECTION NO. 2
USE WITH: MAPS 3 & 4



TYPICAL SECTION NO. 3
USE WITH: MAP 5

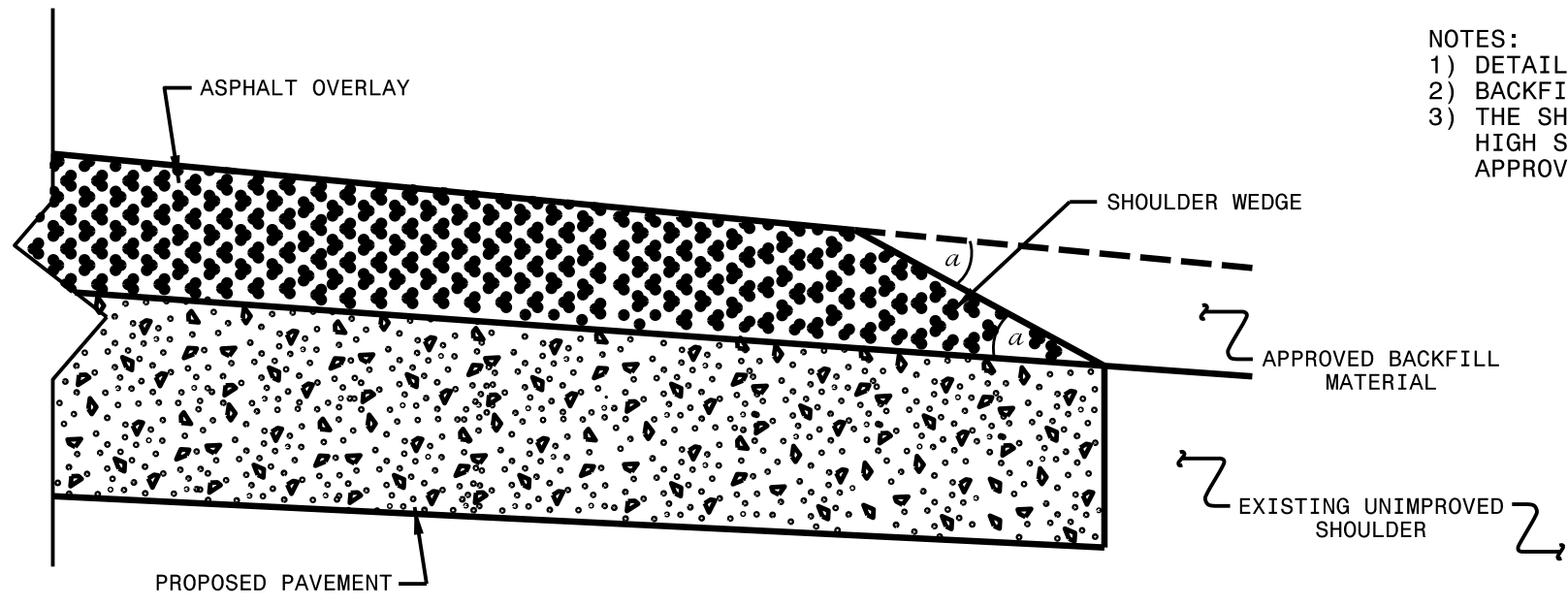


*NOTE: EDGES OF PATCHED AREA ARE TO BE CLEANED OF ALL DEBRIS AND COATED WITH AN APPROVED TACK MATERIAL BEFORE PLACING ASPHALT.

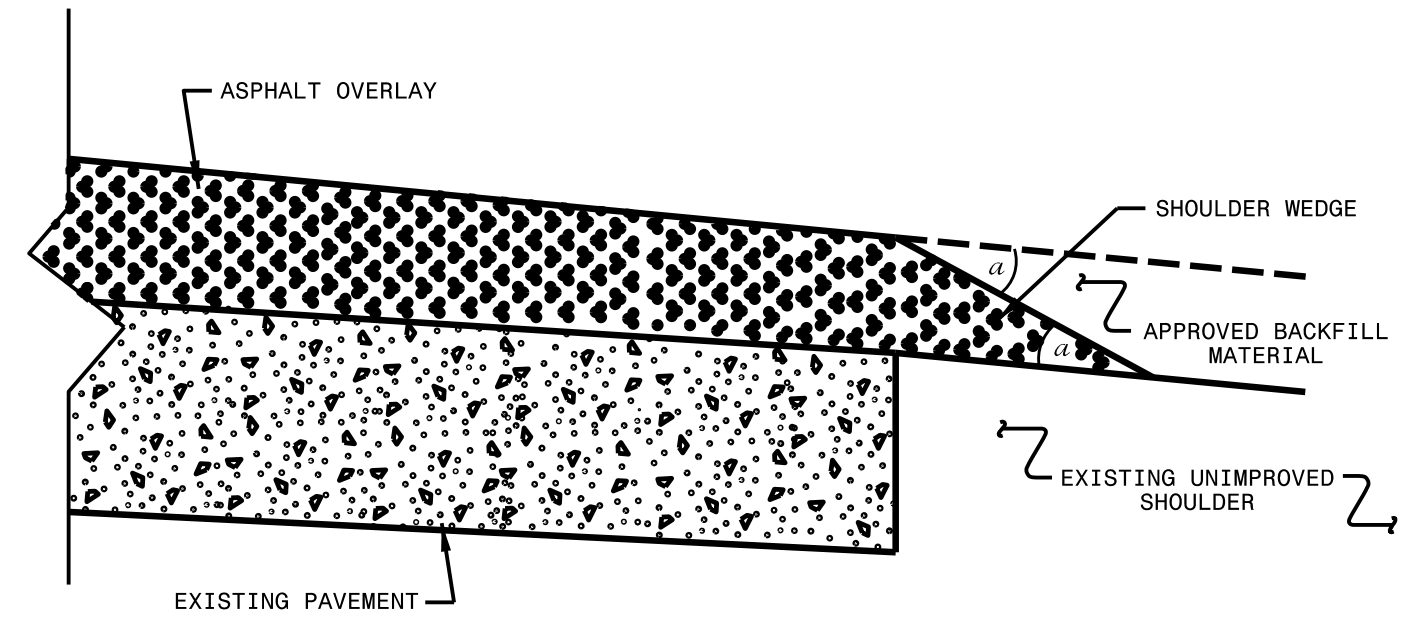
FULL DEPTH PATCHING 0 - 5"

C:\Users\jgarcia\OneDrive\Documents\2023CPT\01.13.10211.1\Drawings\PAVEMENT SCHEDULE.dwg

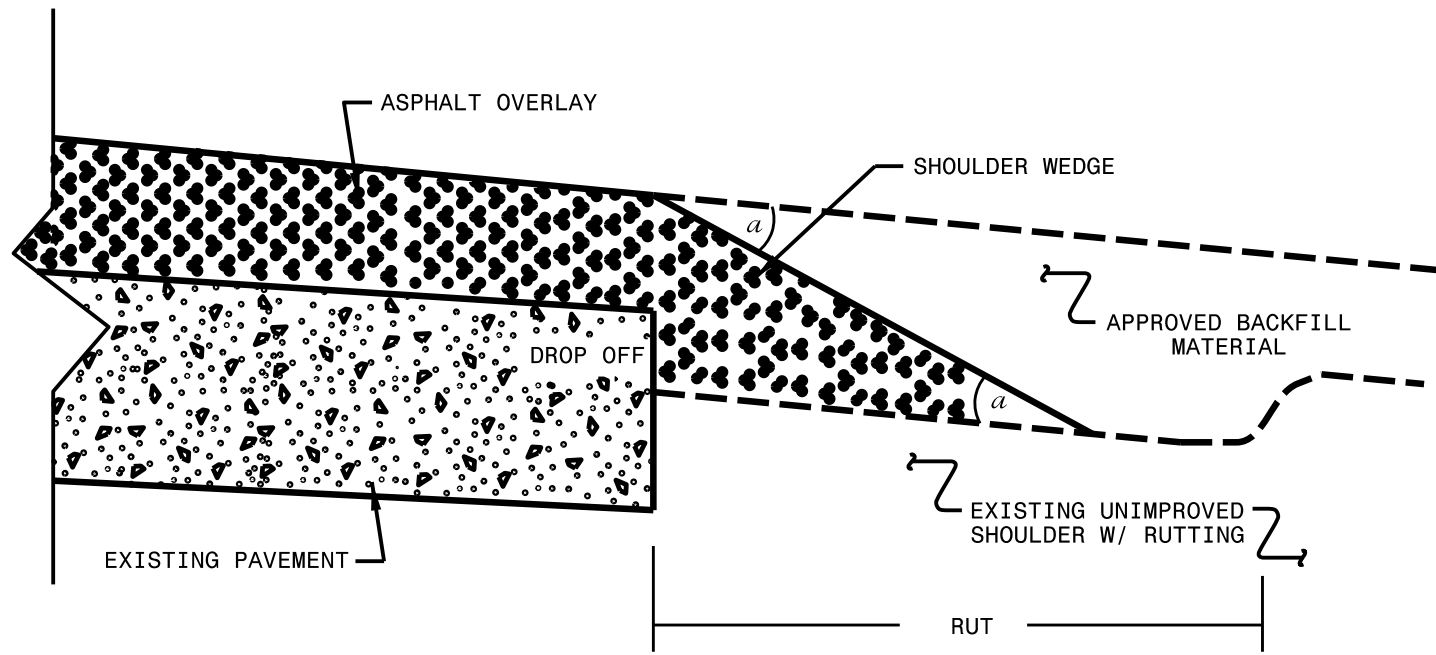
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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 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: s:usr/details/stand/shoulderwedgedetail.dgn

SYSTEMS
 & USER NAME

PROJECT NO.	SHEET NO.
2023CPT.01.13.10211.1	5

SUMMARY OF QUANTITIES

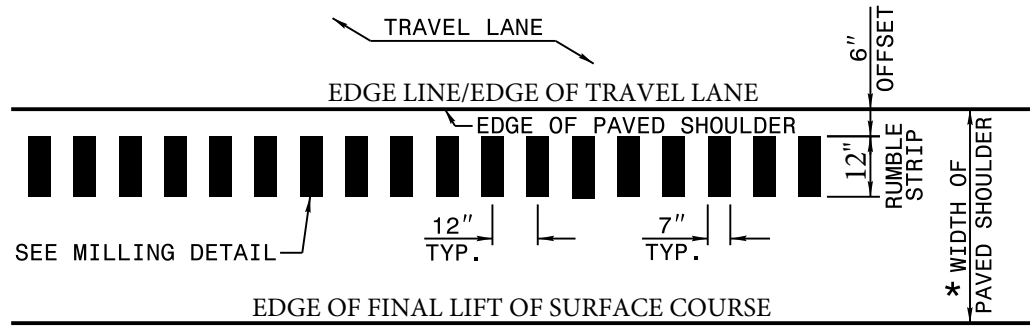
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIALS TRANSFER VEHICLE	LENGTH	WIDTH	000100000-N	010600000-E	122000000-E	124500000-E	126000000-E	129700000-E	133000000-E	152000000-E	152300000-E	157500000-E	157700000-E	166200000-E	170500000-E	184000000-E	254900000-E	
													MOBILIZATION	BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	MILLING ASPHALT PAVEMENT (1 1/2")	INCIDENTAL MILLING	ASPHALT CONC LEVELING COURSE, S9.5B	ASPHALT CONC SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	OPEN-GRADED ASPHALT FRICTION COURSE, FC-1	PATCHING EXISTING PAVEMENT (FULL DEPTH)	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	2'-6" CONCRETE CURB & GUTTER	
											MI	FT	LS	CY	TONS	SMI	TON	SY	SY	TONS	TONS	TONS	TON	TONS		LF	LF	
2023CPT.01.13.10211.1	Chowan	1	US17 NB	BRIDGE TO MLK AVE	1	2	MD	NO	NO	YES	2.83	32	1	311	57	5.66	104	53,129	5,370	1,435	5,380	416	121	1,730	30	29,885		
2023CPT.01.13.10211.1	Chowan	2	US17 SB	MLK AVE TO BRIDGE	1	2	MD	NO	NO	YES	2.83	32	*	311	57	5.66	104	53,129	6,425	340	5,468	350	121	1,730	30	29,885		
2023CPT.01.13.10211.1	Chowan	3	US 17 BUS BROAD ST	QUEEN ST TO NC 32	2	4	MU	NO	NO	NO	0.68	52	*		14			20,745	4,166			136			20	400		
2023CPT.01.13.10211.1	Chowan	4	US 17 BUS BROAD ST	NC 32 TO JOINT AT WIDTH CHANGE	2	2	MU	NO	NO	NO	0.81	38	*		16			18,058	1,845			110			20	230		
2023CPT.01.13.10211.1	Chowan	5	US 17 BUS BROAD ST	WIDTH CHANGE TO SR 1323 DAVENPORT LANE	3	2	2WU	NO	NO	NO	1.34	25	*	123	27	2.68	41	19,653	4,265			131			20	42		
GRAND TOTAL												8.49		1	745	171	14	249	164,714	22,071	1,775	17,133	1,143	242	3,460	120	59,770	672

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIALS TRANSFER VEHICLE	LENGTH	WIDTH	280000000-N	281500000-N	283000000-N	284500000-N	303000000-E	307500000-E	313500000-E	328700000-N	336000000-E	600000000-E	6071012000-E	608400000-E	611700000-N	732400000-N	744400000-E	
													ADJUSTMENT OF CATCH BASINS	ADJUSTMENT OF DROP INLETS	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER BOXES OR VALVE BOXES	STEEL BEAM GUARDRAIL	TRIPLE CORRUGATED STEEL BEAM GUARDRAIL	W-TR STEEL BEAM GUARDRAIL TRANSITION SECTIONS	GUARDRAIL END UNITS, TYPE TL-3 (SP)	REMOVE EXISTING GUARDRAIL	TEMPORARY SILT FENCE	COIR FIBER WATTLE	SEEDING & MULCHING	RESPONSE FOR EROSION CONTROL	JUNCT BOX (STD SIZE)	INDUCTIVE LOOP SAWCUT	
											MI	FT	EA	EA	EA	EA	LF	LF	EA	EA	LF	LF	LF	ACR	EA	EA	LF	
2023CPT.01.13.10211.1	Chowan	1	US17 NB	BRIDGE TO MLK AVE	1	2	MD	NO	NO	YES	2.83	32					4,284						2.8	1				
2023CPT.01.13.10211.1	Chowan	2	US17 SB	MLK AVE TO BRIDGE	1	2	MD	NO	NO	YES	2.83	32					1,165	676		3	9		2.8	1				
2023CPT.01.13.10211.1	Chowan	3	US 17 BUS BROAD ST	QUEEN ST TO NC 32	2	4	MU	NO	NO	NO	0.68	52	2	9	60	7										3	2,449	
2023CPT.01.13.10211.1	Chowan	4	US 17 BUS BROAD ST	NC 32 TO JOINT AT WIDTH CHANGE	2	2	MU	NO	NO	NO	0.81	38		2	13											1	132	
2023CPT.01.13.10211.1	Chowan	5	US 17 BUS BROAD ST	WIDTH CHANGE TO SR 1323 DAVENPORT LANE	3	2	2WU	NO	NO	NO	1.34	25			2	1						75	30	1.3	1			
GRAND TOTAL												8.49		2	11	75	8	5,449	676	3	9	6,594	75	30	6.9	3	4	2,581

THERMOPLASTIC AND PAINT QUANTITIES

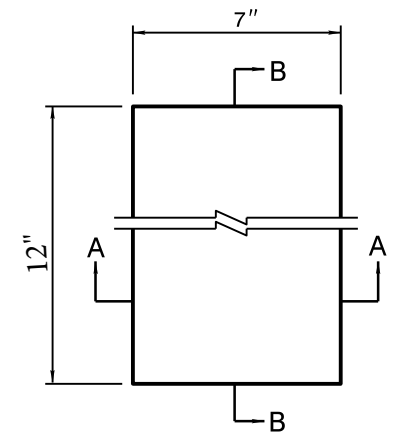
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIALS TRANSFER VEHICLE	LENGTH	WIDTH	441300000-E	445700000-N	468800000-E		469500000-E		470000000-E	470400000-E	470900000-E	472000000-E		472500000-E				
													WORK ZONE ADV/GEN WARNING SIGNING	TEMPORARY TRAFFIC CONTROL (SP)	THERMO PAVEMENT MARKING LINES (6", 90 MILS) WHITE	THERMO PAVEMENT MARKING LINES (6", 90 MILS) YELLOW	THERMO PAVEMENT MARKING LINES (8", 90 MILS) WHITE	THERMO PAVEMENT MARKING LINES (8", 90 MILS) YELLOW	THERMO PAVEMENT MARKING LINES (12", 90 MILS)	THERMO PAVEMENT MARKING LINES (16", 90 MILS)	THERMO PAVEMENT MARKING LINES (24", 90 MILS)	THERMO PAVEMENT MARKING CHARACTER (90 MILS), SCHOOL	THERMO PAVEMENT MARKING CHARACTER (90 MILS), RXR	THERMO PAVEMENT MARKING SYMBOL (90 MILS), STR ARROW	THERMO PAVEMENT MARKING SYMBOL (90 MILS), RT ARROW	THERMO PAVEMENT MARKING SYMBOL (90 MILS), LT ARROW	THERMO PAVEMENT MARKING SYMBOL (90 MILS), RT ARROW	THERMO PAVEMENT MARKING SYMBOL (90 MILS), STR ARROW
											MI	FT	SF	LS	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	
2023CPT.01.13.10211.1	Chowan	1	US17 NB	BRIDGE TO MLK AVE	1	2	MD	NO	NO	YES	2.83	32	344	1	28,976	18,678							3					
2023CPT.01.13.10211.1	Chowan	2	US17 SB	MLK AVE TO BRIDGE	1	2	MD	NO	NO	YES	2.83	32	344	*	28,976	18,678							6					
2023CPT.01.13.10211.1	Chowan	3	US 17 BUS BROAD ST	QUEEN ST TO NC 32	2	2	MU	NO	NO	NO	0.68	52	836	*	7,317	4,488	20					1,166	12		6	4	7	2
2023CPT.01.13.10211.1	Chowan	4	US 17 BUS BROAD ST	NC 32 TO JOINT AT WIDTH CHANGE	2	2	MU	NO	NO	NO	0.81	38	440	*	8,716	5,346						100	240		4	4	6	8
2023CPT.01.13.10211.1	Chowan	5	US 17 BUS BROAD ST	WIDTH CHANGE TO SR 1323 DAVENPORT LANE	3	2	2WU	NO	NO	NO	1.34	25	280	*	14,418	8,844												
GRAND TOTAL												8.49		2,244	1	88,403	56,034	20	188	4,106	100	1,406	12	4	19	8	13	10
														144,437	208			16	50									

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIALS TRANSFER VEHICLE	LENGTH	WIDTH	481000000-E		482000000-E		482500000-E	483000000-E	483500000-E	484000000-N				484500000-N		490510000-N	490510000-N		
													PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW	PAINT PAVEMENT MARKING LINES (8") WHITE	PAINT PAVEMENT MARKING LINES (8") YELLOW	PAINT PAVEMENT MARKING LINES (12")	PAINT PAVEMENT MARKING LINES (16")	PAINT PAVEMENT MARKING LINES (24")	PAINT PAVEMENT MARKING CHARACTER (MSG SCHOOL)	PAINT PAVEMENT MARKING CHARACTER (MSG RXR)	PAINT PAVEMENT MARKING SYMBOL (STR ARROW)	PAINT PAVEMENT MARKING SYMBOL (RT ARROW)	PAINT PAVEMENT MARKING SYMBOL (LT ARROW)	PAINT PAVEMENT MARKING SYMBOL (STR & RT ARROW)	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKERS, CRYSTAL/ RED	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKERS YELLOW/YELLOW		
											MI	FT	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA			
2023CPT.01.13.10211.1	Chowan	1	US17 NB	BRIDGE TO MLK AVE	1	2	MD	NO	NO	YES	2.83	32	30,451	18,678												187			
2023CPT.01.13.10211.1	Chowan	2	US17 SB	MLK AVE TO BRIDGE	1	2	MD	NO	NO	YES	2.83	32	30,451	18,678												187			
2023CPT.01.13.10211.1	Chowan	3	US 17 BUS BROAD ST	QUEEN ST TO NC 32	2	2	MU	NO	NO	NO	0.68	52	7,317	4,488	20			470			1,166	12		6	4	7	2	90	45
2023CPT.01.13.10211.1	Chowan	4	US 17 BUS BROAD ST	NC 32 TO JOINT AT WIDTH CHANGE	2	2	MU	NO	NO	NO	0.81	38	8,716	5,346		188					100	240		4	4	6	8	54	
2023CPT.01.13.10211.1	Chowan	5	US 17 BUS BROAD ST	WIDTH CHANGE TO SR 1323 DAVENPORT LANE	3	2	2WU	NO	NO	NO	1.34	25	14,418	8,844													90		
GRAND TOTAL												8.49		91,353	56,034	20	188	470	100	1,406	12	4	19	8	13	10	464	189	
													147,387	208			16	50		653									

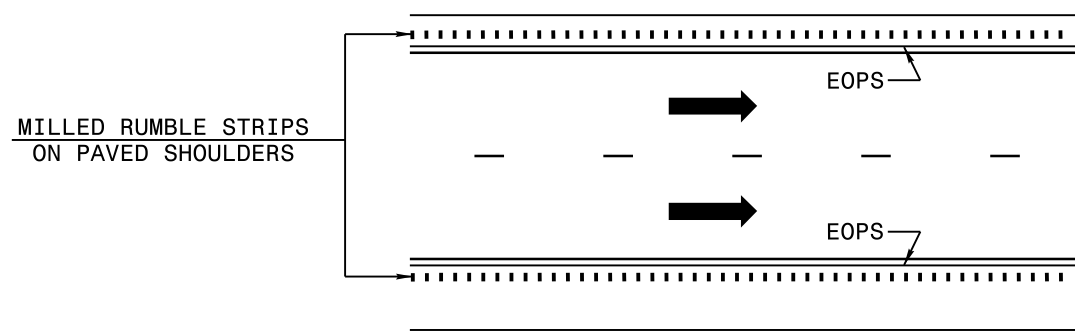


* FOR WIDTHS SEE TYPICAL SECTIONS AND PLAN SHEETS

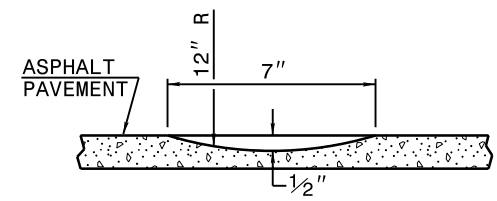
**PLAN VIEW
PAVED SHOULDER**



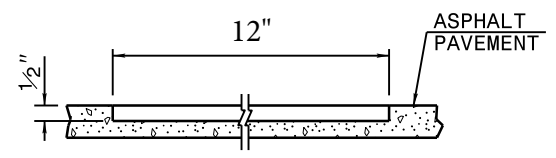
**PLAN VIEW
MILLING DETAIL**



LANE TREATMENT





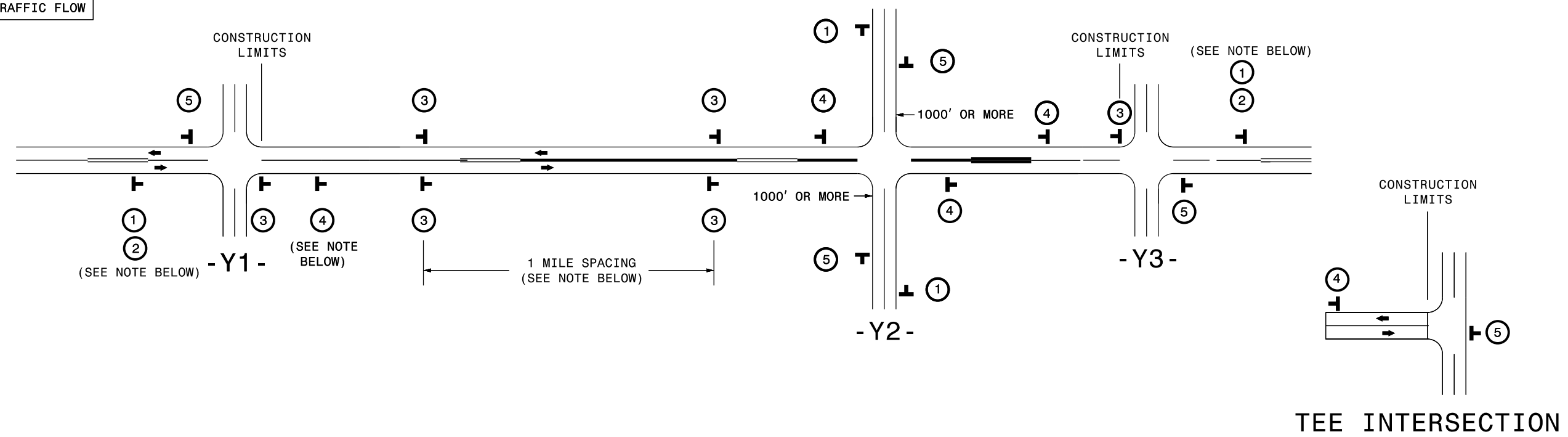
SECTION A-A



SECTION B-B








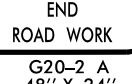
SIGNING FOR RESURFACING PROJECTS

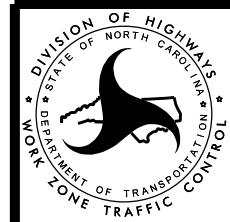
LEGEND
 STATIONARY SIGN
 DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

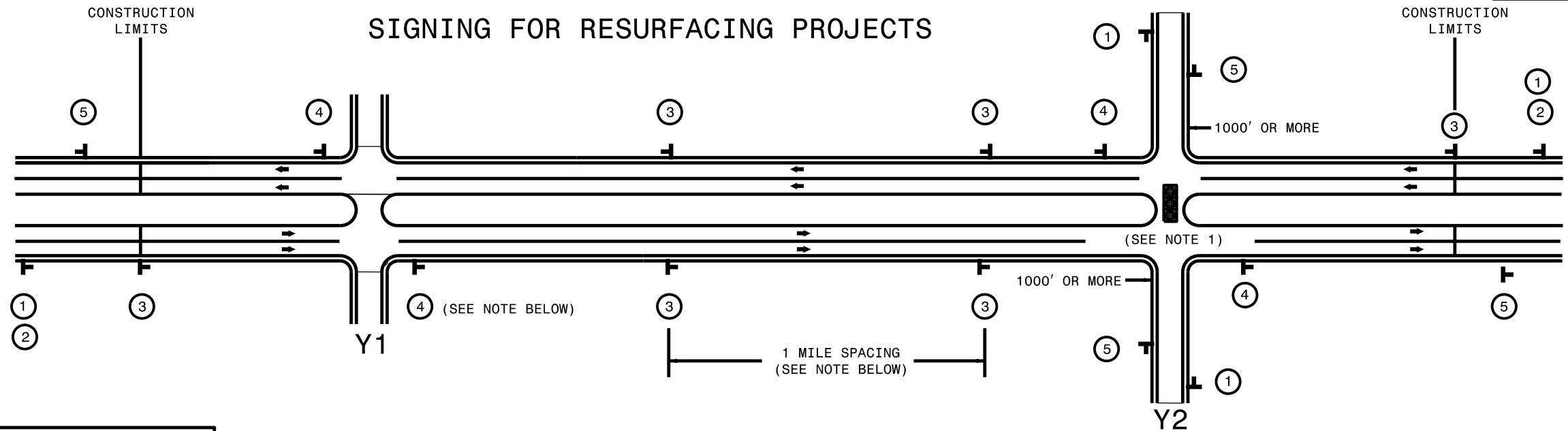
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#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)</p>	<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; align-items: center;"> <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.</p>
	 	<p>- ALTERNATE THE FOLLOWING TWO SIGNS:</p> <p>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</p> <p>- AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</p>	
		<p>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.</p> <p>- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</p> <p>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</p> <p>- 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.</p> <p>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p> <p>- FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</p>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</p>	
	<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>		
<p>MAPS LESS THAN 2 MILES</p>	<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

\$\$\$SYSTEM\$\$\$\$\$
 \$\$\$CDON\$\$\$\$\$
 \$\$\$USERNAM\$\$\$\$\$



LEGEND	
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#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)</p>	<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> <p>NOTES:</p> <ol style="list-style-type: none"> 1) 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.
		<p>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.</p>	
		<p>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.</p>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

\$\$\$\$\$ SYSTEMS \$\$\$
 \$\$\$ 2 IN 1 \$\$\$
 \$\$\$ FROM \$\$\$
 \$\$\$ FROM \$\$\$

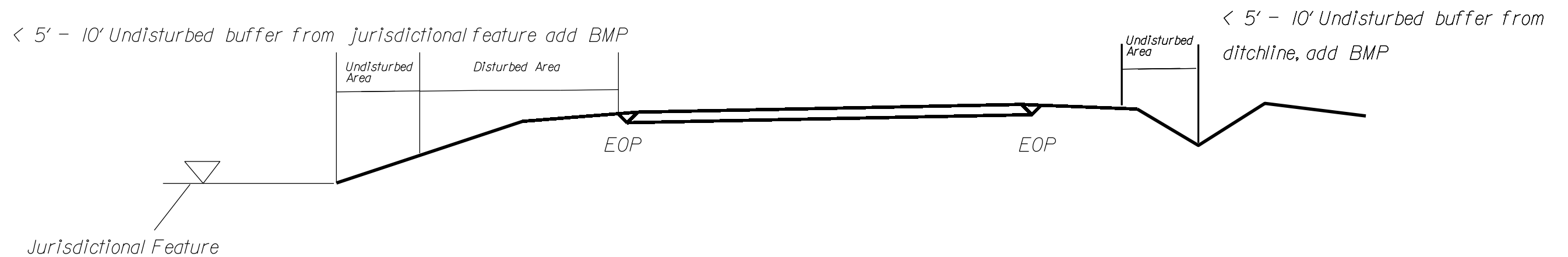
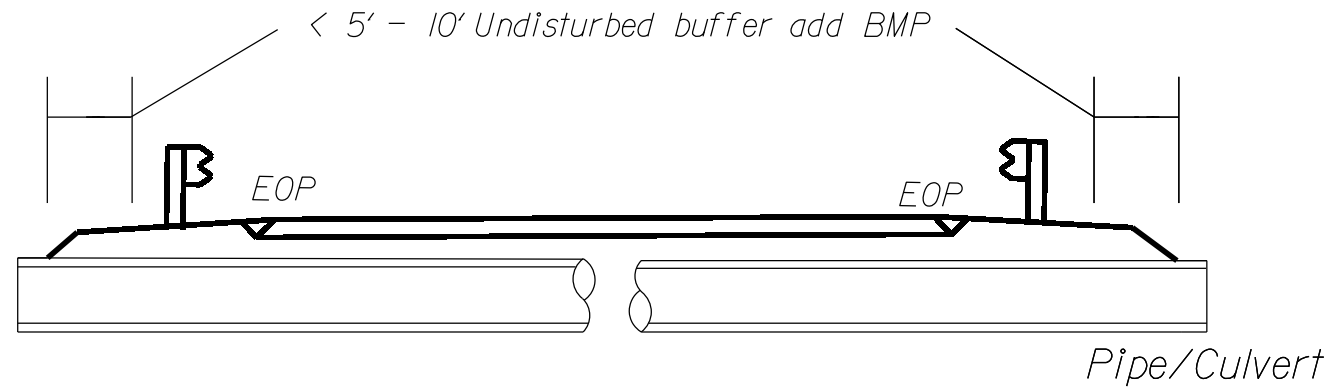


RESURFACING
 ADVANCE WARNING SIGNS
 FOR RURAL AND SUBURBAN
 MULTI-LANE ROADWAYS
 W/ SHOULDER SECTIONS

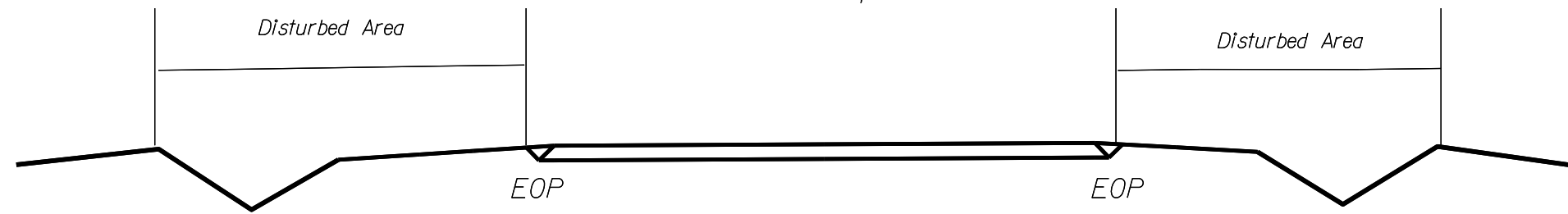
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

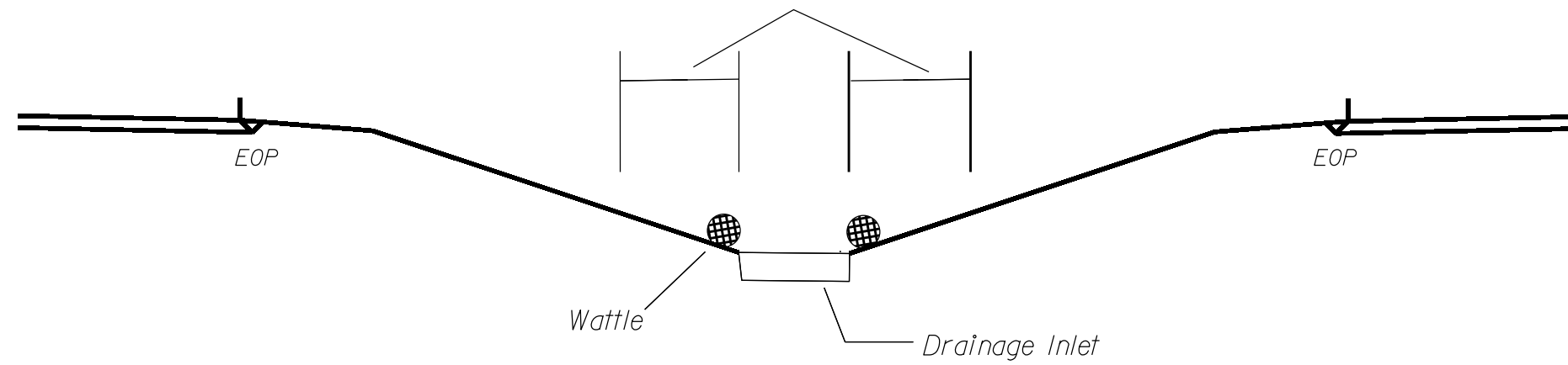
EROSION CONTROL DETAIL



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

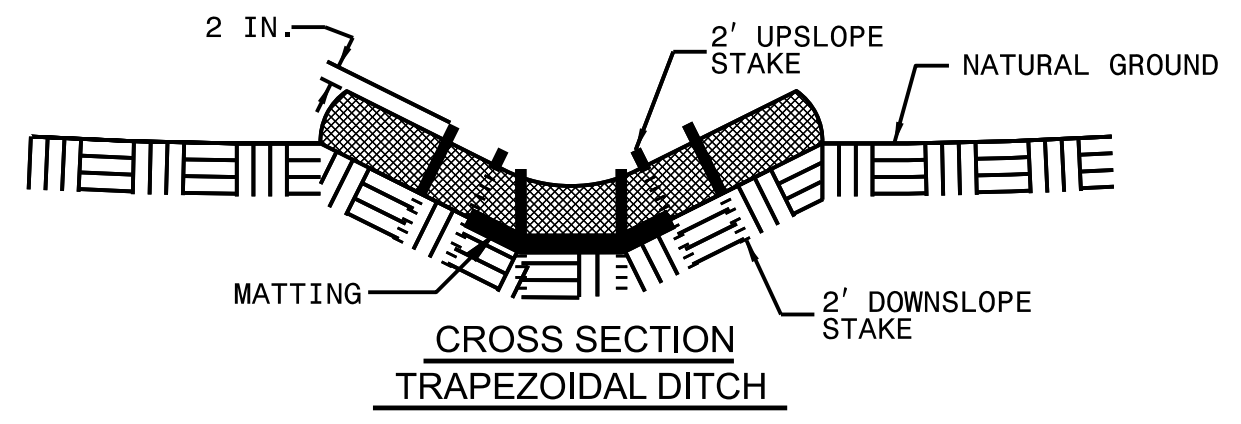
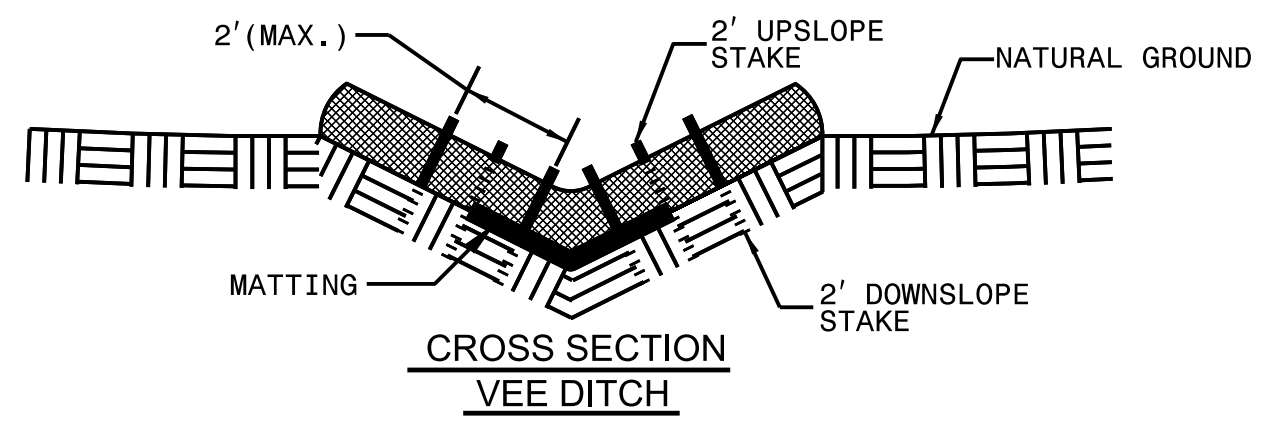
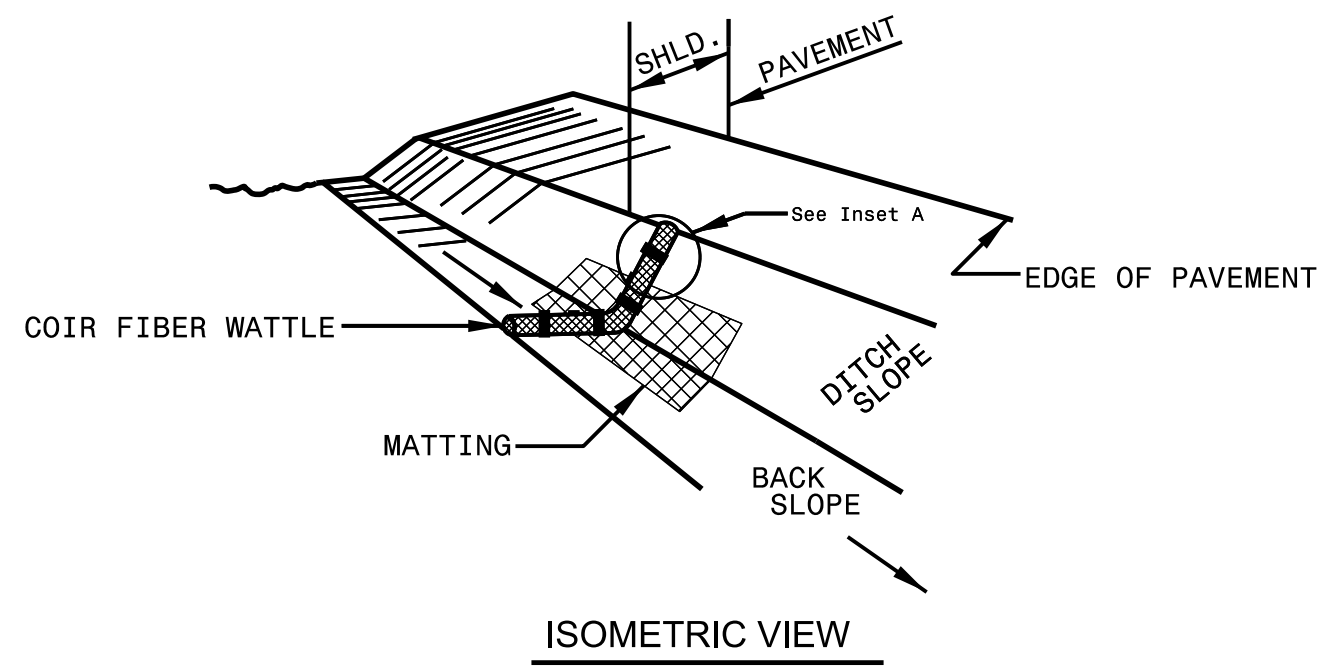


< 5' - 10' Undisturbed buffer from inlet, add wattle

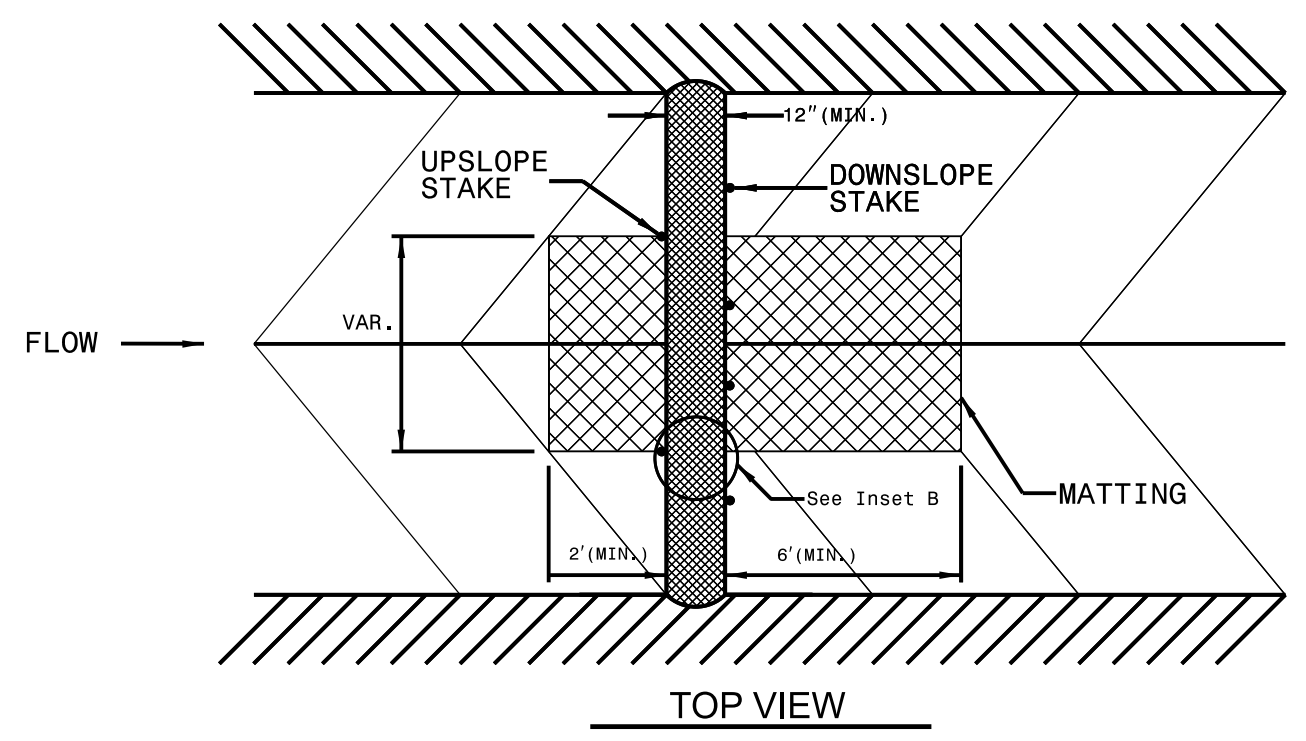
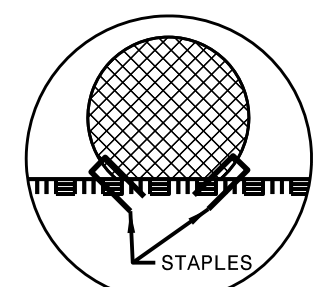


NOT TO SCALE

COIR FIBER WATTLE DETAIL



- NOTES:
- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) 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.



**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 (HQW) 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 HQW ZONES.