



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

February 20, 2018

CONTRACT: DB00383
WBS ELEMENT: 2018CPT.02.26.10741
COUNTY: Pitt
ROUTE: US 13B and US 64A
DESCRIPTION: Milling, Resurfacing, Shoulder Reconstruction, Pavement Marking
and Pavement Markers on US 13B and US 64A in Pitt County

ADDENDUM 1

TO: PROSPECTIVE BIDDERS

Please note the following revisions to the plans.

- Revised Line Item 10 to Generic Paving Item 6" Depth Mill patching Existing Pavement – B25.0C
- Revised plan pages.
- A revised electronic file has been uploaded to bid express named DB00383.001

Please make sure to sign the addendum page in the proposal to acknowledge this addendum.

Sincerely,

DocuSigned by:
Mary Voelker Moore
714C11DCCEBC4C6...

Mary Voelker Moore, PE
Division Contract Engineer

cc: Preston Hunter, PE
Mr. Jeremy Stroud, PE
Ms. Sarah F. Lentine, PE
Mr. William Kincannon, PE

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION 2
PROJECT DEVELOPMENT GROUP
PO BOX 1587
GREENVILLE, NC 27835-1587

Telephone: (252) 439-2800
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

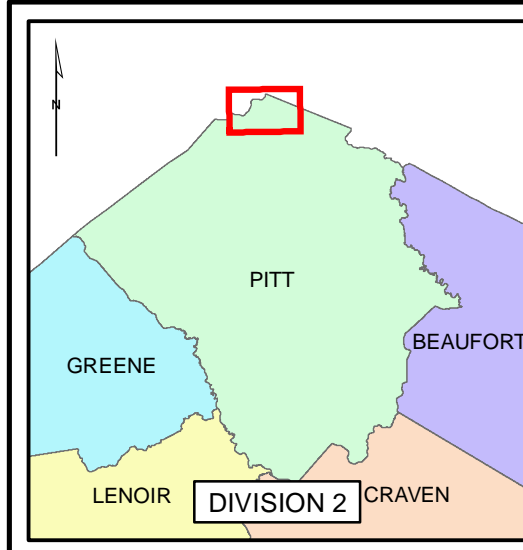
Location:
1037 W.H. SMITH BLVD.
GREENVILLE, NC 27835

County : Pitt

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0262000000-N	SP	GENERIC GRADING ITEM HAULING NCDOT SUPPLIED SHOULDE R MATERIAL	353 EA		
0003	1220000000-E	545	INCIDENTAL STONE BASE	448 TON		
0004	1245000000-E	SP	SHOULDER RECONSTRUCTION	14.1 SMI		
0005	1308000000-E	607	MILLING ASPHALT PAVEMENT, **** TO ***** 0" TO 1.75" MILLING	700 SY		
0006	1308000000-E	607	MILLING ASPHALT PAVEMENT, **** TO ***** 0" TO 3" MILLING	37,500 SY		
0007	1330000000-E	607	INCIDENTAL MILLING	700 SY		
0008	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	16,100 TON		
0009	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	966 TON		
0010	1880000000-E	SP	GENERIC PAVING ITEM 6" DEPTH MILL PATCHING EXISTIN G PAVEMENT - B 25.0C	20 TON		
0011	2472000000-N	840	GENERIC DRAINAGE ITEM GENERIC DRAINAGE ITEM - REMOVE / REPLACE MASONRY DRAINAGE STRUCTURE	2 EA		
0012	2600000000-N	848	RETROFIT EXISTING CURB RAMPS	12 EA		
0013	2605000000-N	848	CONCRETE CURB RAMPS	30 EA		
0014	2752000000-E	SP	GENERIC PAVING ITEM 2'6" CURB & GUTTER - REMOVE/RE PLACE	700 LF		
0015	2800000000-N	858	ADJUSTMENT OF CATCH BASINS	4 EA		
0016	2815000000-N	858	ADJUSTMENT OF DROP INLETS	1 EA		

County : Pitt

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0017	2830000000-N	858	ADJUSTMENT OF MANHOLES	1 EA		
0018	2845000000-N	858	ADJUSTMENT OF METER BOXES OR VALVE BOXES	1 EA		
0019	4413000000-E	SP	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	1,000 SF		
0020	4457000000-N	SP	TEMPORARY TRAFFIC CONTROL	Lump Sum	L.S.	
0021	4688000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	75,500 LF		
0022	4690000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)	67,000 LF		
0023	4702000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (12", 120 MILS)	450 LF		
0024	4705000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)	300 LF		
0025	4710000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	460 LF		
0026	4721000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	24 EA		
0027	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	19 EA		
0028	4905000000-N	1253	SNOWPLOWABLE PAVEMENT MARKERS	650 EA		
0029	6000000000-E	1605	TEMPORARY SILT FENCE	200 LF		
0030	6071010000-E	SP	WATTLE	200 LF		
0031	6084000000-E	1660	SEEDING & MULCHING	8.95 ACR		
0032	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	1 EA		



PITT COUNTY

DB00383

WBS# 2018CPT.02.26.10741

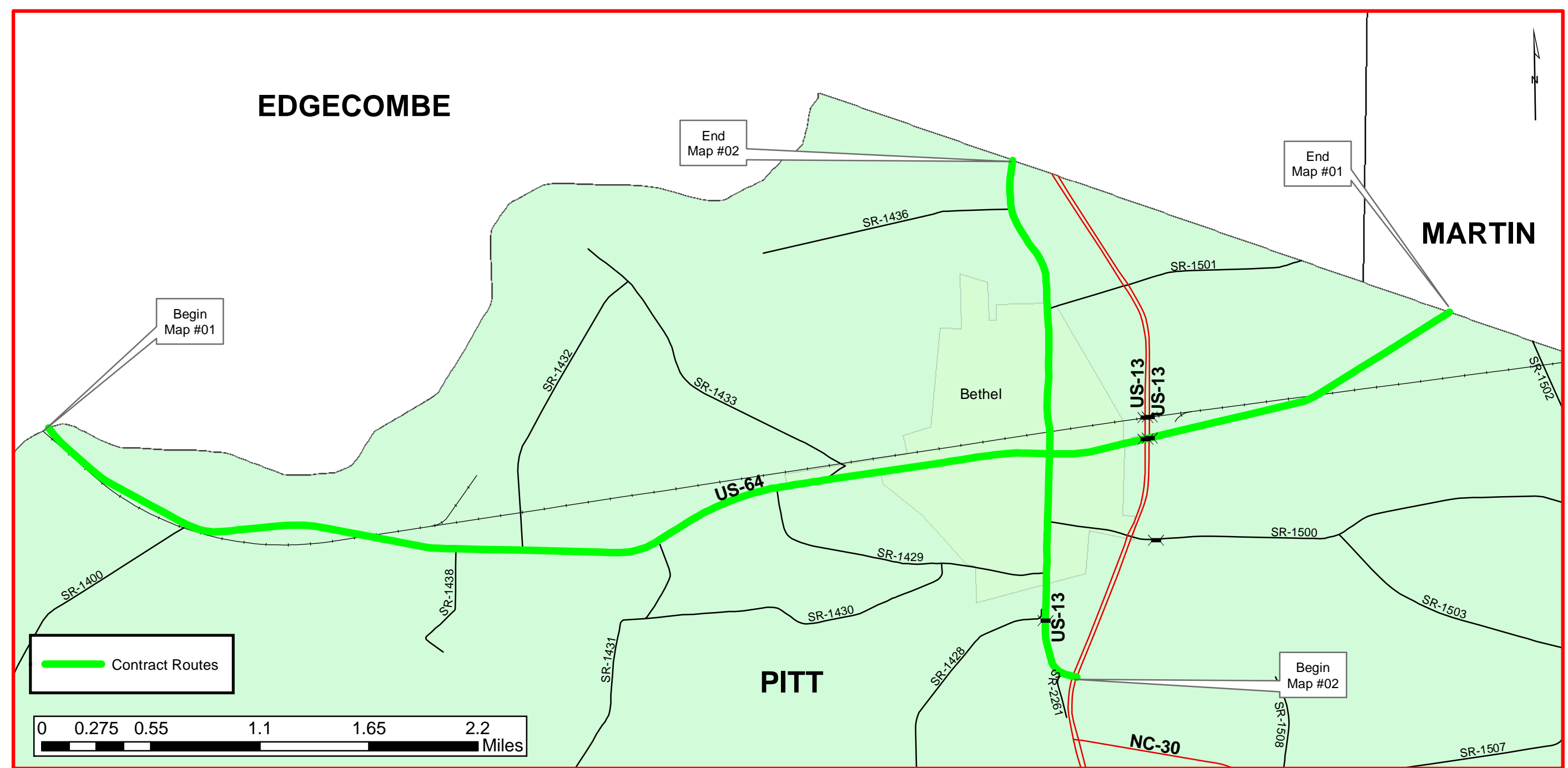
PROJECT REFERENCE NO.	SHEET NO.
DB00383	1



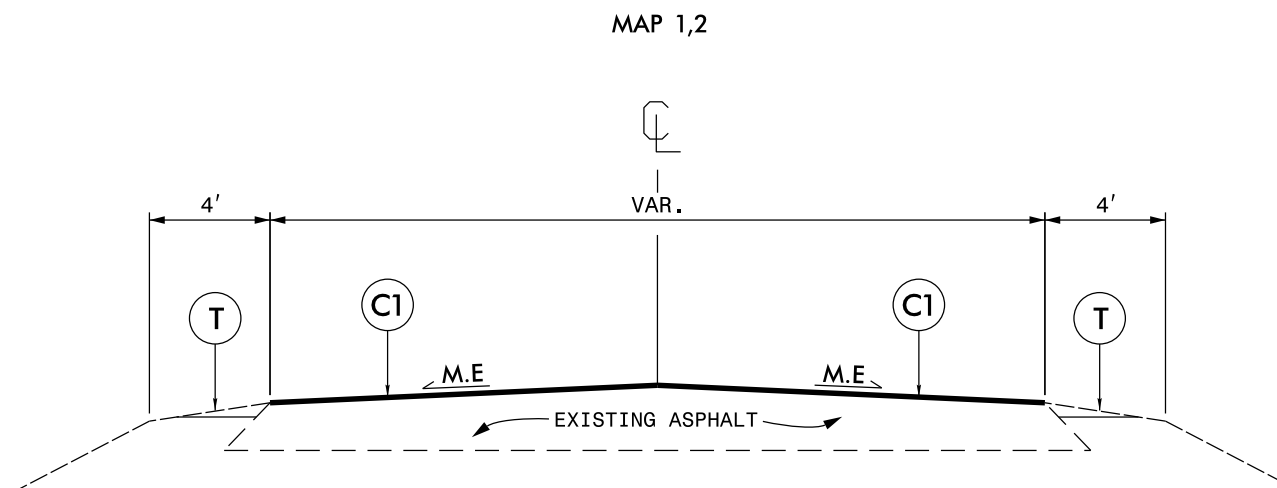
NCDOT
DIVISION 2

LOCATION:
 MAP 01 - US 64 ALT FROM THE EDGECOMBE COUNTY LINE TO THE MARTIN COUNTY LINE
 MAP 02 - US 13 BUS FROM US 13/NC 11 TO THE EDGECOMBE COUNTY LINE

TYPE OF WORK: PATCHING, DRAINAGE STRUCTURE REHABILITATION, MILLING, RESURFACING, PAVEMENT MARKINGS, PAVEMENT MARKERS



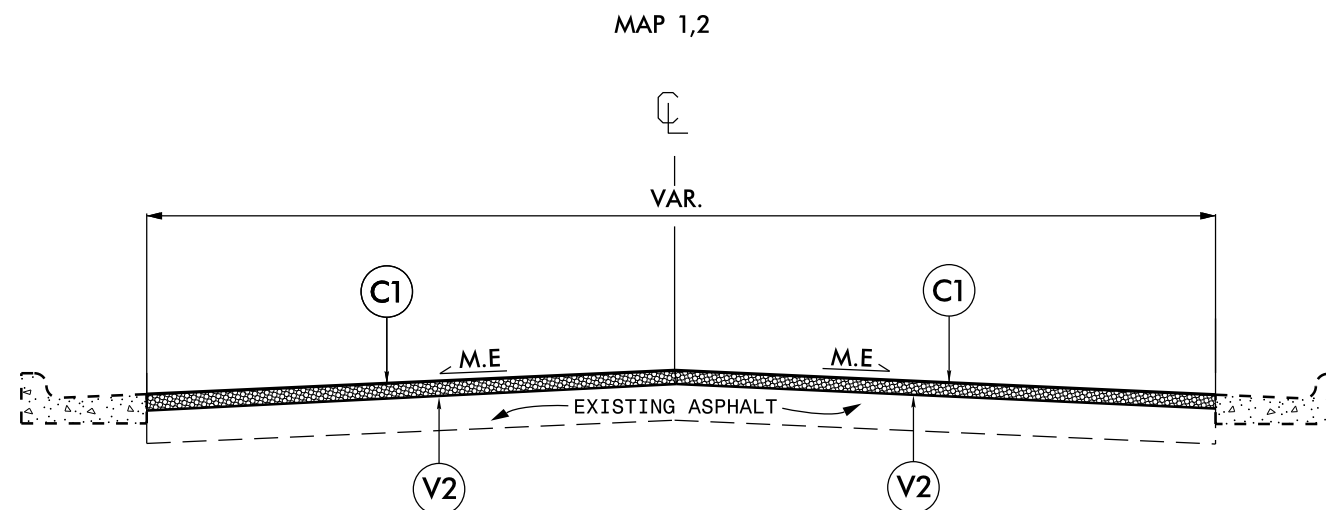
TYPICAL SECTION NO. 1



NOTE:

1. PERFORM FULL DEPTH MILL PATCHING AT LOCATION AND WIDTH AS SHOWN ON PAGE 4. PLACE ASPHALT BASE COURSE B25.0C IN ONE LIFT TO BACKFILL.
2. MAP 2 - PERFORM 0 - 1 3/4" MILLING AT BRIDGE.
3. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.
4. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.
5. PERFORM SHOULDER RECONSTRUCTION AFTER PAVING IS COMPLETED.

TYPICAL SECTION NO. 2



NOTE:

1. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.
2. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.

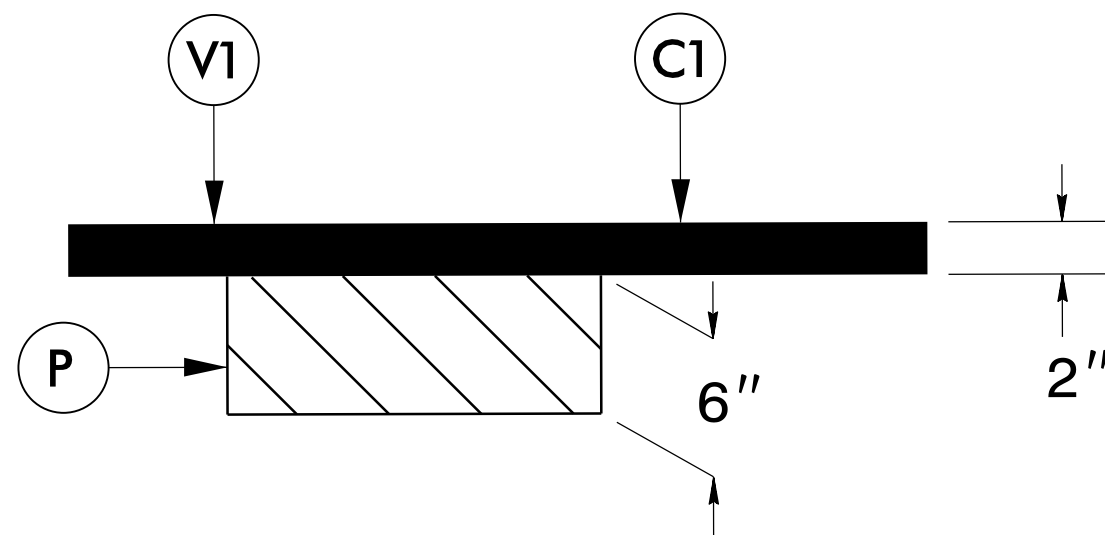
PAVEMENT SCHEDULE

C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 220.0 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
V1	INCIDENTAL MILLING.
V2	3" DEPTH MILLING FOR THE ENTIRE WIDTH OF ROADWAY
DRAWINGS NOT TO SCALE	

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 220 LBS. PER SQ. YD. PER LAYER
V1	INCIDENTAL MILLING
P	6" DEPTH MILL PATCHING W/ B 25.0C
DRAWINGS NOT TO SCALE	

6" DEPTH MILL PATCHING DETAIL



NOTE:

1. THE CONTRACTOR SHALL PERFORM ANY UNIFORM OR INCIDENTAL MILLING AT TIE-INS BEFORE PERFORMING THE 6" DEPTH MILL PATCHING.
2. THE CONTRACTOR SHALL PERFORM THE 6" DEPTH MILL PATCHING REMOVAL AND REPLACEMENT IN THE SAME DAY.
3. 6" DEPTH MILL PATCHING SHALL BE PERFORMED AT LOCATIONS AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

PROJECT NO.	SHEET NO.	TOTAL NO.
DB00383	4	

SUMMARY OF QUANTITIES

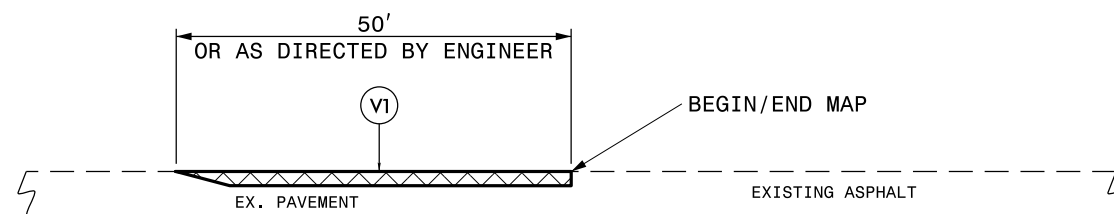
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	000930000-E	026200000-N	122000000-E	124500000-E	130800000-E	133000000-E	151900000-E	157500000-E	170400000-E	247200000-N	260000000-N	260500000-N	280000000-N	281500000-N	283000000-N	284500000-N	600000000-E	607101000-E	608400000-E	611700000-N					
												2'6" CURB & GUTTER - REMOVE/REPLACE	HAULING NCDOT SUPPLIED SHOULDER MATERIAL	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	0" TO 3" MILLING	0" TO 1.75" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	ASPHALT BINDER FOR PLANT MK	6" DEPTH MLL PATCHING EXISTING PAVEMENT - B 25.0C	GENERIC DRAINAGE ITEM - REMOVE / REPLACE MASONARY DRAINAGE STRUCTURE	RETROFIT EXISTING CURB RAMP	WHEELCHAIR RAMPS	ADI. OF CATCH BASIN	ADI. OF DROP INLET	ADI. OF MANHOLES	ADI. OF METER OR VALVE BOX	TEMPORARY SILT FENCE	WATTLE	SEED & MULCHING	RESPONSE FOR EROSION CONTROL				
												M	FT	LF	EA	TONS	SM	SY	SY	SY	TONS	TONS	TON	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
2018CPT.02.26.10741	Pitt	1	US 64 ALT.	FROM EDGEcombe CO. TO MARTIN CO.	1&2	2	2WU	NO	NO	6.25	24	100	278	313	11.10	10,500		300	11,000	660								100	100	6.25	1					
TOTAL FOR MAP NO. 1										6.25		100	278	313	11.10	10,500		300	11,000	660							100	100	6.25	1						
2018CPT.02.26.10741	Pitt	2	US 13 BUS	FROM US 13/NC 11 TO EDGEcombe CO.	1&2	2	2WU	NO	NO	2.70	31	600	75	135	3.00	27,000	700	400	5,100	306	20	2.00	12	15	4	1	1	100	100	2.70						
TOTAL FOR MAP NO. 2										2.70		600	75	135	3.00	27,000	700	400	5,100	306	20	2.00	12	15	4	1	1	100	100	2.70						
TOTAL FOR PROJ NO. 2018CPT.02.26.10741										8.95		700	353	448	14.10	37,500	700	700	16,100	966	20	2.00	12	30	4	1	1	1	200	200	8.95	1				
GRAND TOTAL										8.95		700	353	448	14.10	37,500	700	700	16,100	966	20	2.00	12	30	4	1	1	1	200	200	8.95	1				
	MAP			STATION	STATION	LT	RT																													
	1			6" FULL DEPTH PATCHING	13+29 13+61		14'																													
	1			CURB & GUTTER REPAIR	219+80 220+02	22'																														
	1				220+27 220+37	10'																														
	1				221+34 221+40		6'																													
	1				222+60 222+79	19'																														
	1				227+71 227+91	20'																														
	1				231+38 231+46	8'																														
	1				231+75 231+85	10'																														
	2				33+23 34+10		87'																													
	2				34+31 34+41		10'																													
	2				34+80 35+26		46'																													
	2				37+30 37+74		44'																													
	2				39+46 39+66		20'																													
	2				40+40 40+60		20'																													
	2				44+39 44+61		22'																													
	2				46+63 47+03		40'																													
	2				51+60 51+78		18'																													
	2				53+33 53+66		33'																													
	2				56+39 56+45		6'																													
	2				60+30 60+54		24'																													
	2				72+48 72+76		28'																													
	2				74+41 74+48		7'																													
	2				75+39 75+51		12'																													
	2				91+11 91+30		19'																													
	2				35+24 35+30		6'																													
	2				49+47 49+50		3'																													
	2				55+93 55+98		5'																													
	2				71+39 71+48		9'																													
	2				72+26 72+73		47'																													
	2				80+75 80+81		6'																													
	2				90+17 90+41		24'																													
	2				90+51 90+68		17'																													
	2				91+50 91+59		9'																													
	2			ADJUSTMENT OF CB / DI	35+32	*																														
	2				0+33		*	SR 1500																												
	2				62+69		*																													
	2				72+51		*																													
	2			REPAIR/REPLACE CB	49+50	*																														
	2				72+51	*																														

PROJECT NO.	SHEET NO.	TOTAL NO.
DB00383	5	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4688000000-E	4690000000-E	4702000000-E	4705000000-E	4710000000-E	4721000000-E		4725000000-E			4905000000-N
								M	FT	ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	6" X 90 M WHITE THERMO	6" X 120 M YELLOW THERMO	12" X 120 M WHITE THERMO	16" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO RXR 120 M	THERMO MSG SCHOOL 120 M	THERMO STR ARROW 90 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR & RT ARROW 90 M
2018CPT.02.26.10741	Pitt	1	US 64 ALT.	FROM EDGECOMBE CO. TO MARTIN CO.	1&2	2	2WU	6.25	24	700	0.70	59,000	38,000	150	200	360	8	12	3	9	3	450
TOTAL FOR MAP NO. 1							6.25		700	0.70	59,000	38,000	150	200	360	8	12	3	9	3	450	
2018CPT.02.26.10741	Pitt	2	US 13 BUS	FROM US 13/NC 11 TO EDGECOMBE CO.	1&2	2	2WU	2.70	31	300	0.30	16,500	29,000	300	100	100	4			2		200
TOTAL FOR MAP NO. 2							2.70		300	0.30	16,500	29,000	300	100	100	4			2		2	200
TOTAL FOR PROJ NO. 2018CPT.02.26.10741							8.95		1,000	1.00	75,500	67,000	450	300	460	12	12	3	11	3	2	650
GRANDTOTAL							8.95		1,000	1	75,500	67,000	450	300	460	12	12	3	11	3	2	650

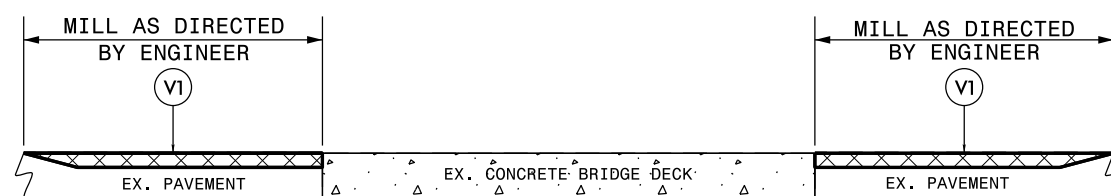
MILLING TYPICALS



DETAIL 1
BEGIN/END MAP TIE-IN

NOTE:

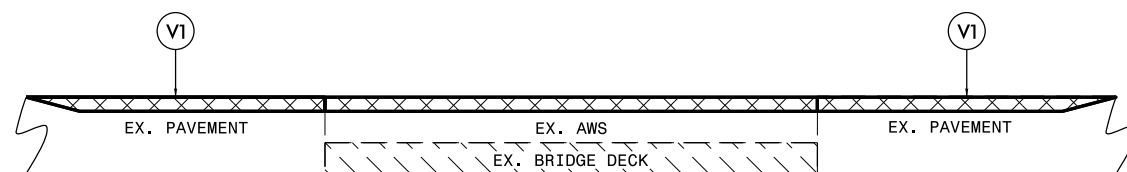
- MILLING SHALL BE PERFORMED AT MAIN LINE TIE-INS AND Y-LINE TIE-INS AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.



DETAIL 2
BRIDGE MILLING

NOTE:

- MILLING SHALL BE PERFORMED AT THE BRIDGE APPROACHES AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.

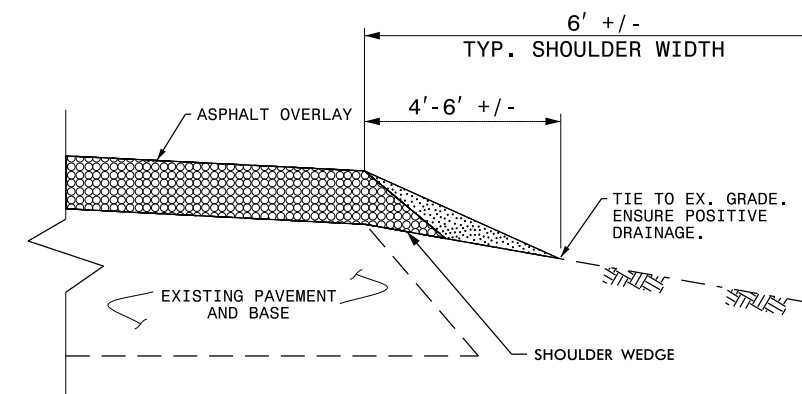


DETAIL 3
BRIDGE MILLING

NOTE:

- INCLUDES MILLING FOR THE ENTIRE WIDTH OF THE BRIDGE WEARING SURFACE, AS DIRECTED BY THE ENGINEER.

SHOULDER RECONSTRUCTION TYPICAL

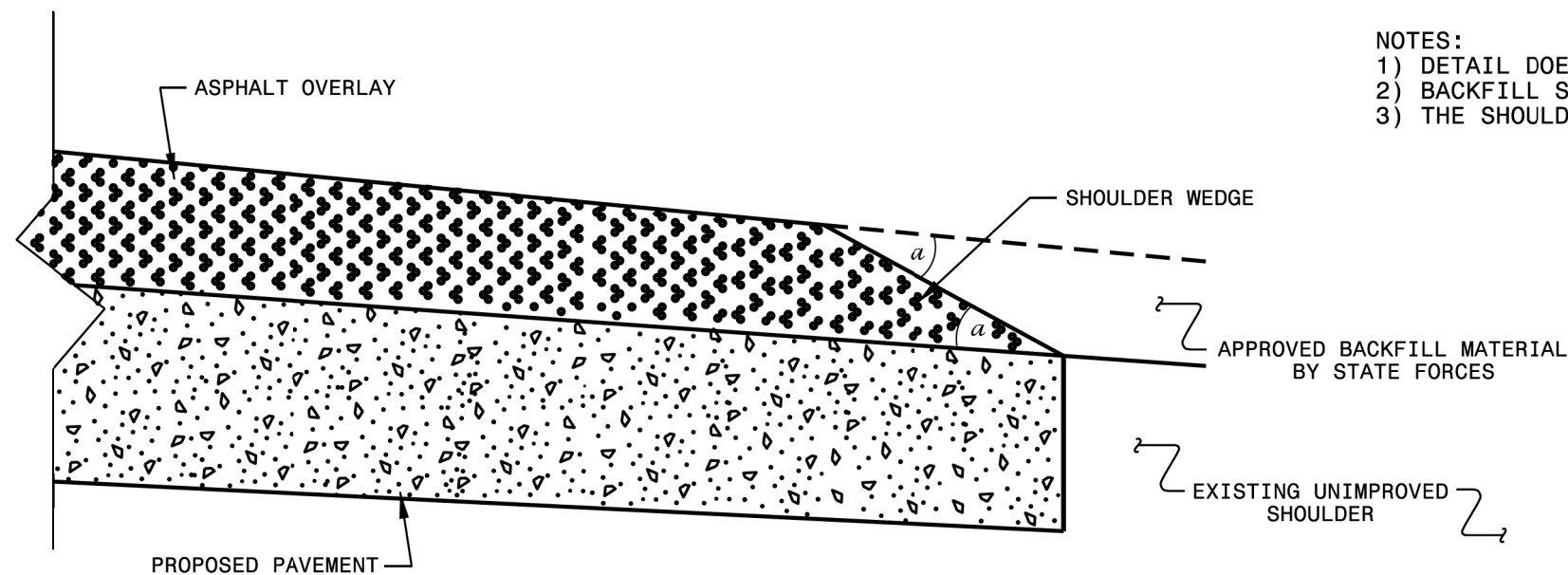


SHOULDER RECONSTRUCTION DETAIL

NOTE:

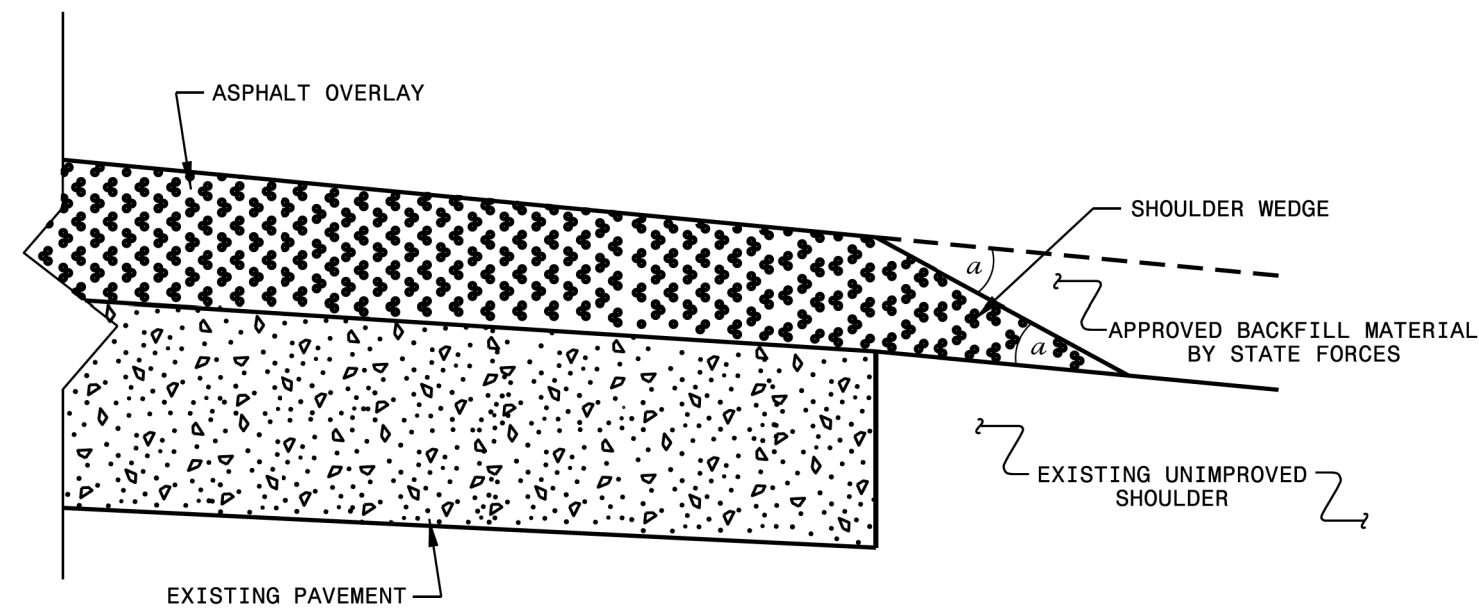
- SHOULDERS SHALL BE RECONSTRUCTED AS SHOWN IN STD. DWG. NO. 560.01 & 560.02, WITH A MINIMUM SLOPE OF 1" PER FOOT TO ENSURE POSITIVE DRAINAGE AWAY FROM THE ROADWAY.
- A VEGETATIVE BUFFER SHALL BE MAINTAINED BETWEEN THE DISTURBED AREA ALONG THE EDGE OF PAVEMENT AND THE DITCH SHOULDER POINT TO MINIMIZE EROSION. PULLING DITCHES OR CUTTING SHOULDERS TO GENERATE BORROW MATERIAL WILL NOT BE ALLOWED.
- REQUIRED BORROW MATERIAL MAY BE OBTAINED FROM NCDOT STOCKPILES. ANY EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN APPROVED DISPOSAL SITE.

- 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.



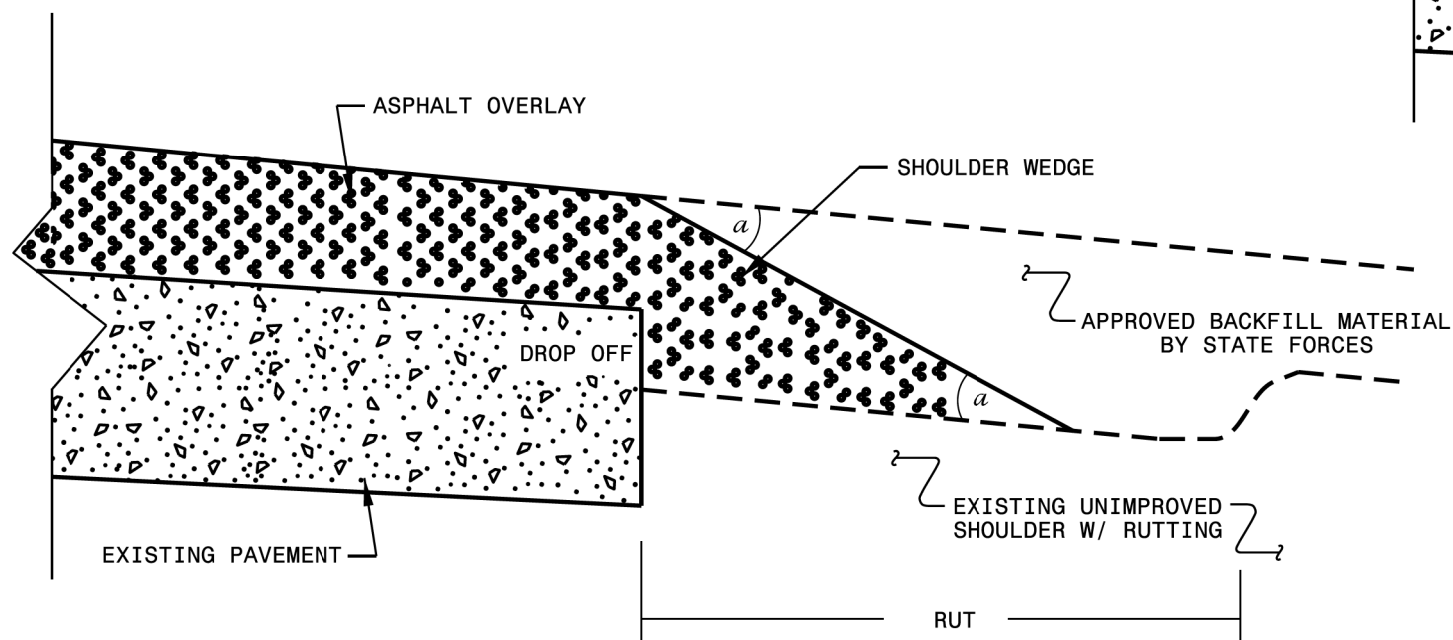
SHOULDER WEDGE DETAIL

(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

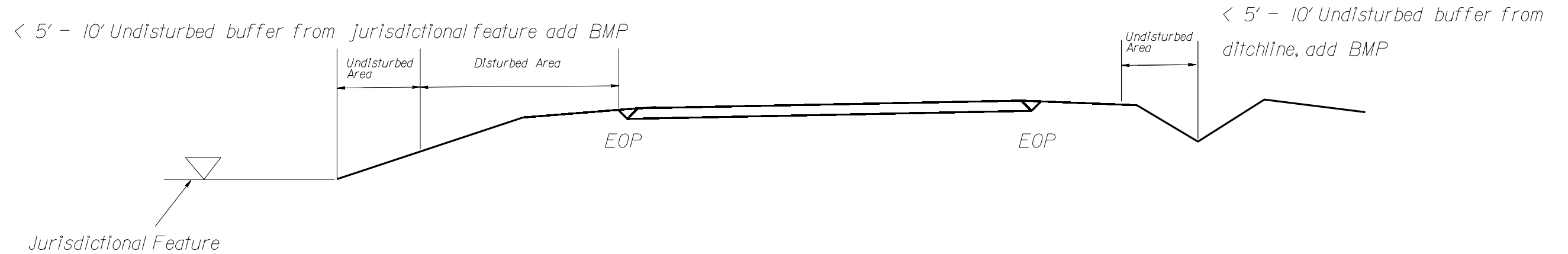
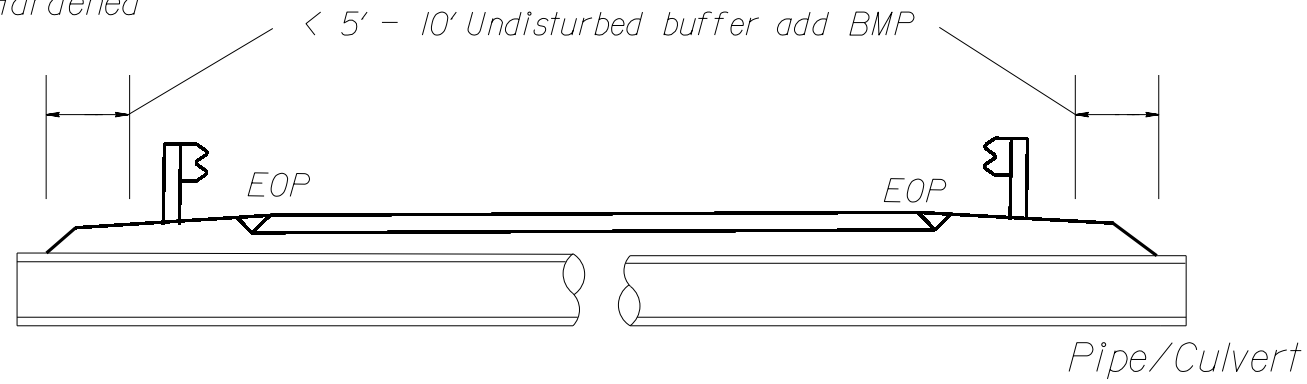
**SHOULDER WEDGE
DETAILS**

ORIGINAL BY: T.SPELL DATE: 7-19-11
 MODIFIED BY: DATE: 10/16/12
 CHECKED BY: DATE:
 FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn

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.

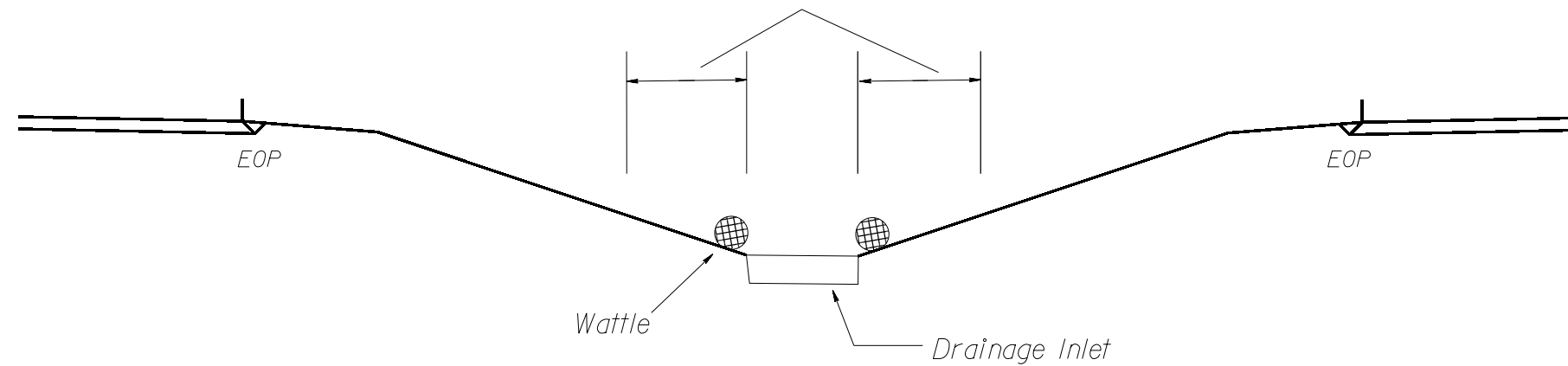
EROSION CONTROL DETAIL



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

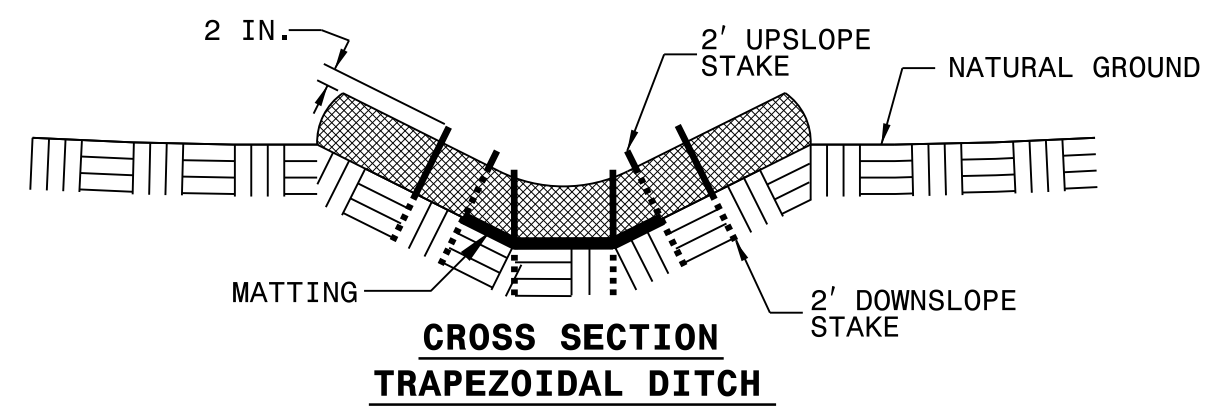
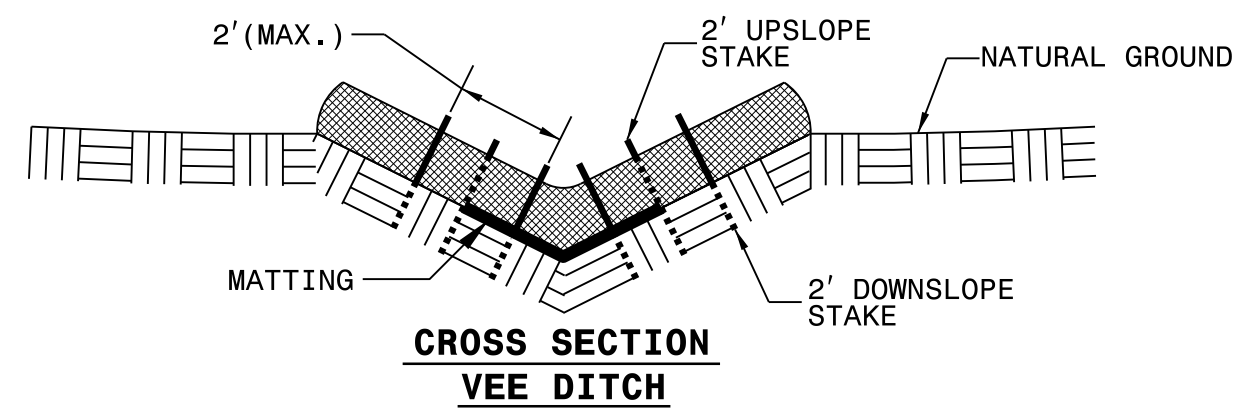
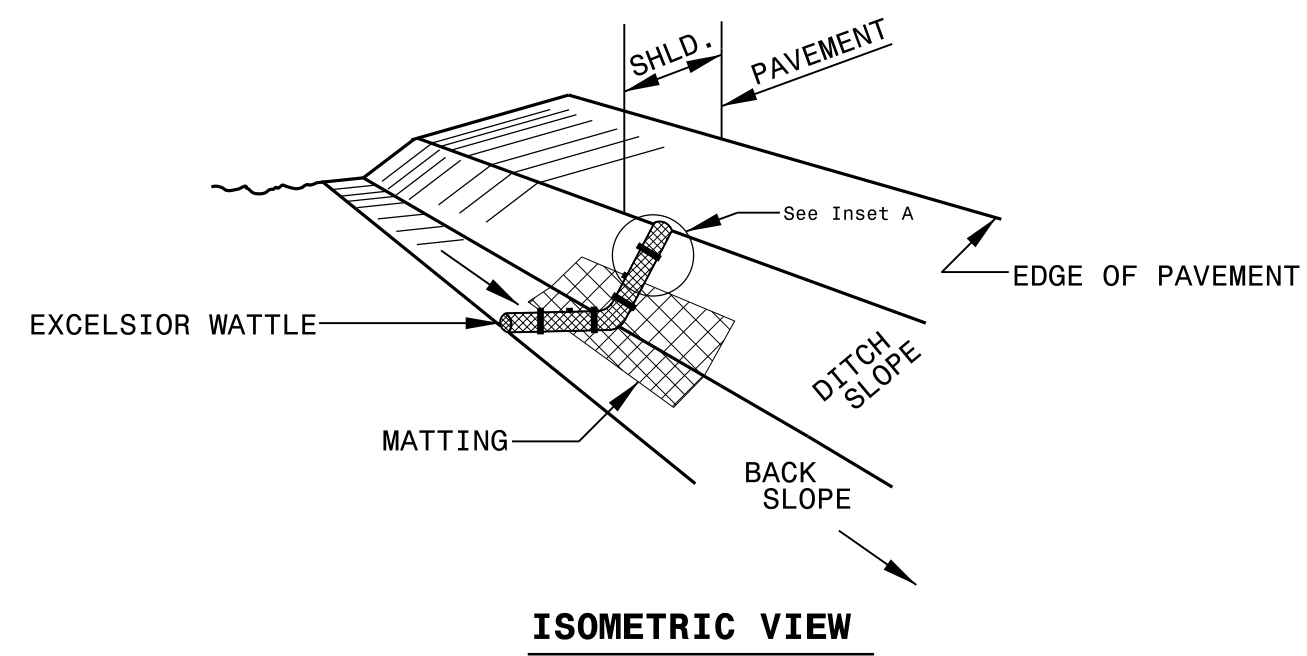


< 5' - 10' Undisturbed buffer from inlet, add wattle

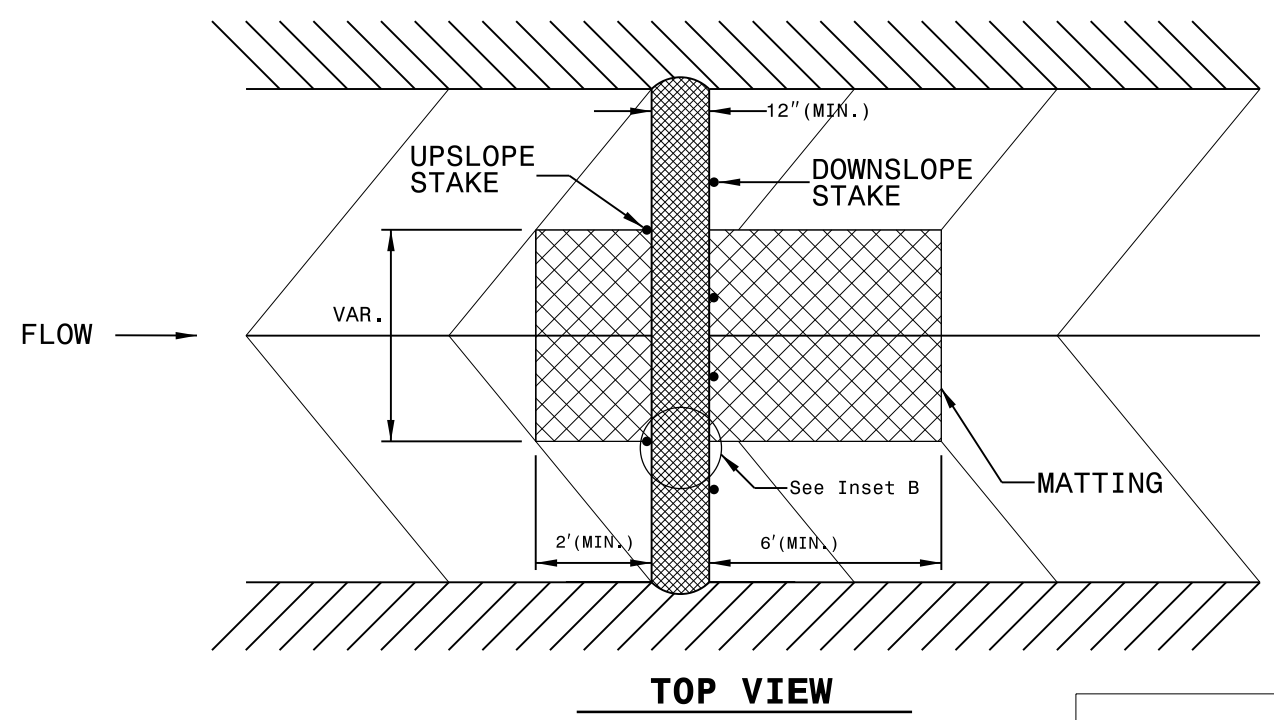
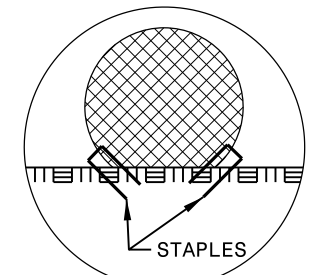
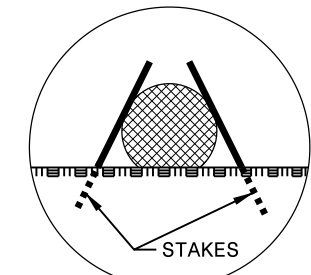


NOT TO SCALE

WATTLE DETAIL

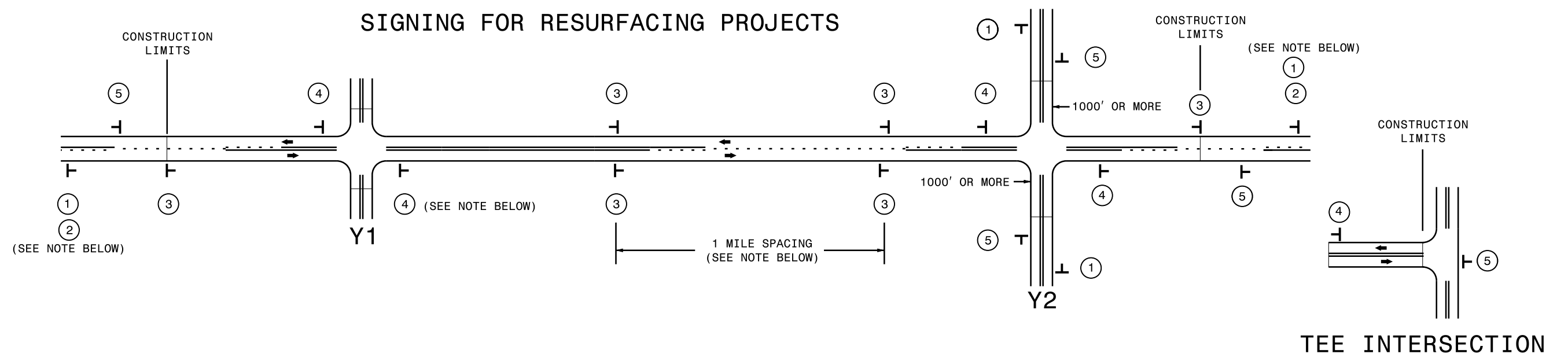


- NOTES:**
- USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.
 - USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
 - ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
 - INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 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.



NOT TO SCALE

SIGNING FOR RESURFACING PROJECTS



LEGEND	
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	2	3	4	5	
						<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>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>- 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>			