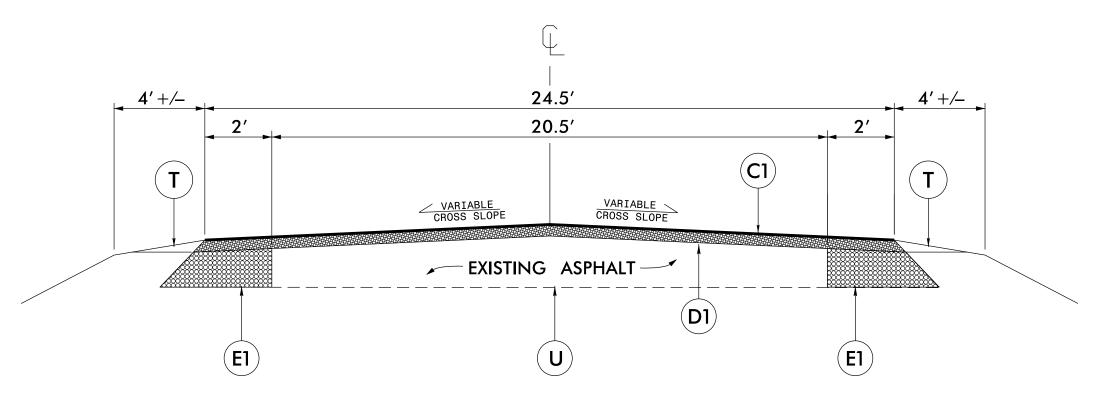


TYPICAL SECTION NO. 1

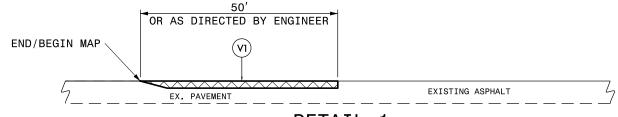
MAP 1: NC 222 FROM THE WILSON CO. LINE TO THE BEGINING CURB AND GUTTER AT THE FOUNTAIN CITY LIMITS



NOTE:

- 1. PLACE 2' SYMMETRICAL WIDENING. MAKE FLUSH WITH THE EXISTING ASHALT.
- 2. TRENCHING SHALL BE PERFORMED USING A MILLING MACHINE OR SIMILAR DEVICE.
- 3. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH, INCLUDING NEW WIDENING.
- 4. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS OR AS DIRECTED BY THE ENGINEER. SEE DETAIL 1

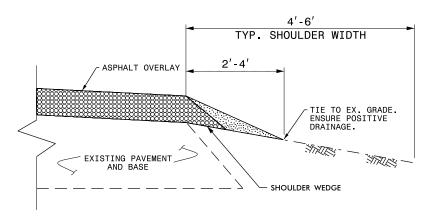
	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1– $\frac{1}{2}$ "ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5B, AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I 19.0B, AT AN AVERAGE RATE OF 285 LBS PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B 25.0B, AT AN AVERAGE RATE OF 570 LBS PER SQ. YD.
Т	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING



DETAIL 1

MAIN LINE MILLING

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

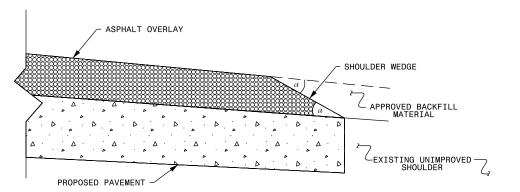


SHOULDER RECONSTRUCTION DETAIL

NOTE:

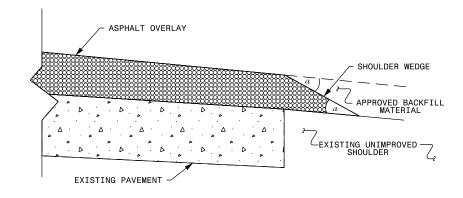
- SHOULDERS SHALL BE RECONSTRUCTED AS SHOWN IN STD. DWG. NO. 560.01 & 560.02, WITH A MINIMUM SLOPE OF 1" PER FOOT TO ENSURE
- POSITIVE DRAINAGE AWAY FROM THE ROADWAY.

 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.



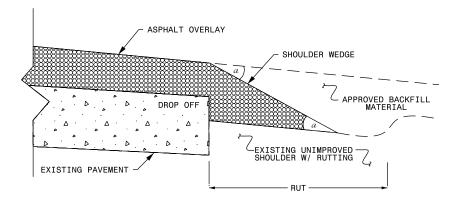
SHOULDER WEDGE DETAIL

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



SHOULDER WEDGE DETAIL

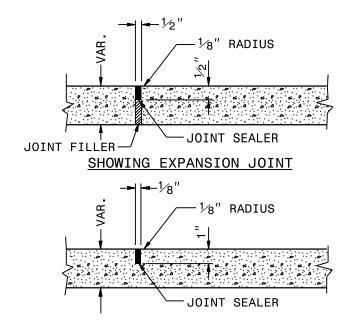
(Resurfacing Projects w/ no Widening)



SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)

- 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 AND SIDE STREETS.
- SHOULDER WEDGE ANGLE = 30°



SHOWING GROOVED JOINT

PARTIAL LONGITUDINAL SECTIONS OF PAVED ISLANDS

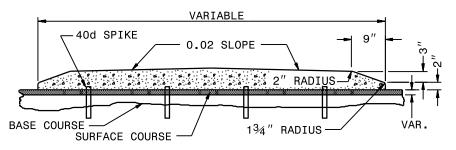
NOTE:

WHEN MONOLITHIC CONCRETE ISLAND IS ON TOP OF SURFACE COURSE, DRIVE 40d SPIKES INTO SURFACE UNDER MONOLITHIC CONCRETE ISLAND. STAGGER SPIKES ON 2' CENTERS EACH WAY.

IN THE CONCRETE PAVEMENT (ISLAND) AND CONCRETE ISLAND (MONOLITHIC) PLACE $1_2^{\prime\prime}$ EXPANSION JOINTS AT 30' INTERVALS AND GROOVED JOINTS 1" DEEP AT 10' INTERVALS BETWEEN EXPANSION JOINTS.

LINE UP THE JOINTS IN THE CONCRETE PAVEMENT (ISLAND) WITH THE JOINTS IN THE CURB OR CURB AND GUTTER. FILL AND SEAL THE TOP $\frac{1}{2}$ " OF THE EXPANSION JOINTS AND THE ENTIRE DEPTH OF GROOVED JOINTS WITH JOINT SEALER.

FOR JOINTS IN THE CURB AND/OR CURB AND GUTTER, SEE STANDARD NO. 846.01

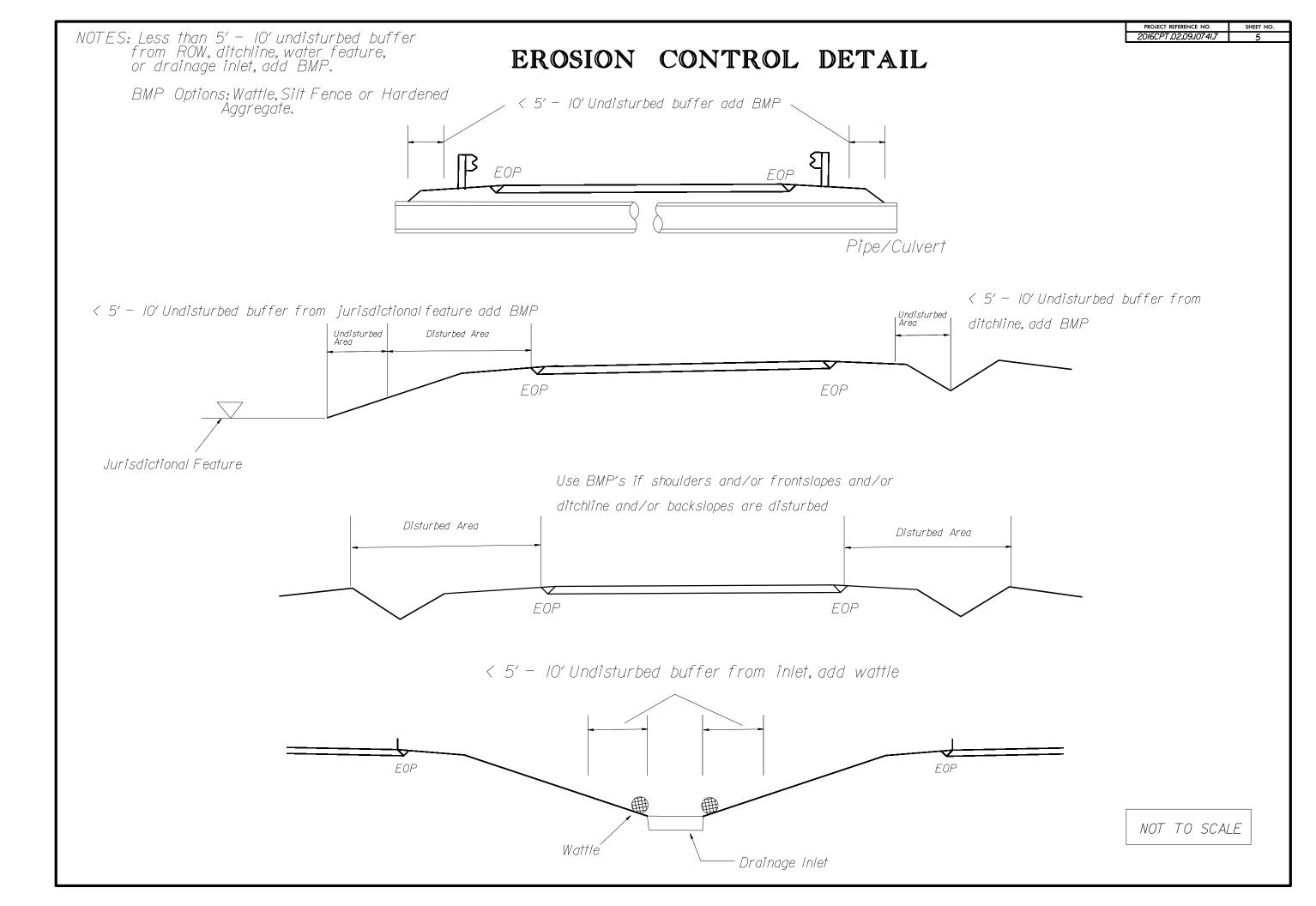


5" MONOLITHIC CONCRETE ISLAND (SURFACE MOUNTED) ON ASPHALT CONCRETE PAVEMENT

(USE ON ISLAND 4' WIDE OR GREATER)

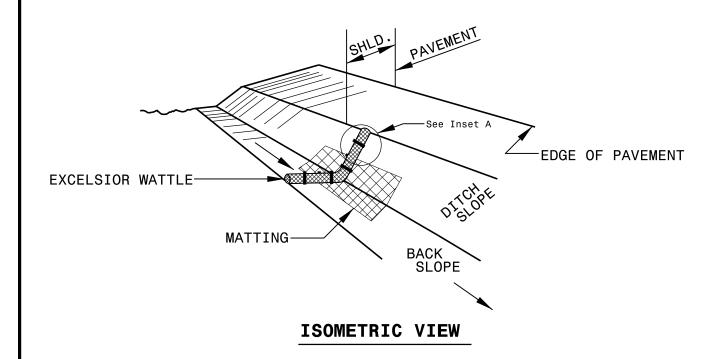
NOTE:

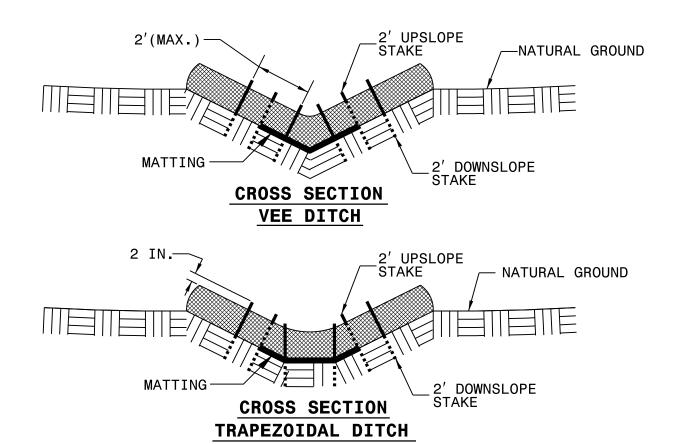
1. 5" MONOLITHIC CONCRETE ISLAND SHALL BE PREFORMED AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL AT SR 1235.



PROJECT REFERENCE NO. SHEET NO. 2016CPT.02.09.10741.7 6

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.

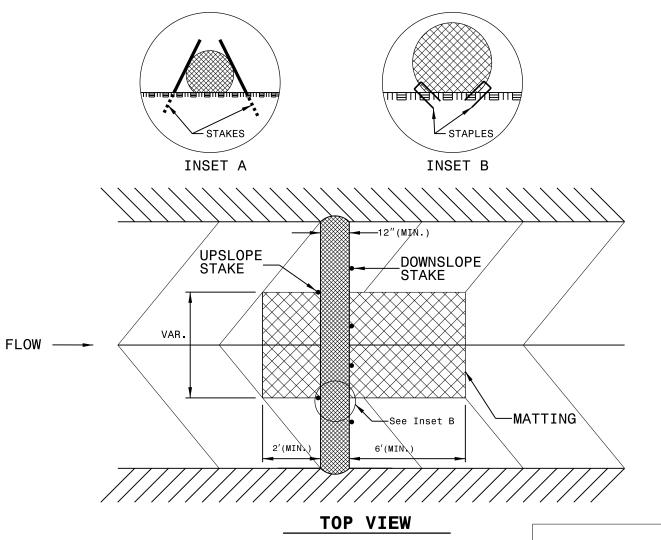
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

PROJECT REFERENCE NO.	SHEET NO.
2016CPT 02 09 107417	7

SUMMARY OF QUANTITIES

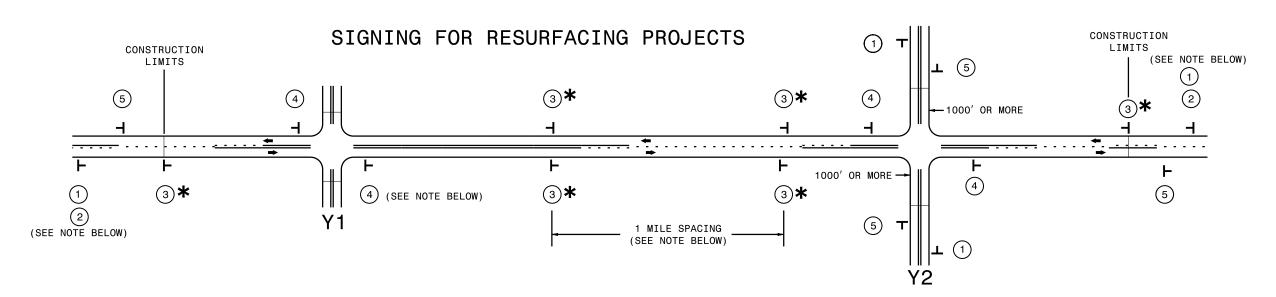
PROJECT	COUNTY	ROUTE	DESCRIPTION	LANE TYPE	FINAL SURFAC TESTING REQUIRED	E WARM MIX ASPHALT REQUIRED	LENGTH	REMOVAL OF EXISTING CONCRETE ISLAND	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	INCIDENTAL MILLING	BASE COURSE, B25.0B	INTERMEDIATE COURSE, 119.0B	SURFACE COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED) SY	TEMPORARY SILT FENCE	WATTLE	SEED & MULCHING	RESPONSE FOR EROSION CONTROL EA
NO	NO			NO			MI FT	sy	TONS	SMI	sy	TONS	TONS	TONS	TONS	SY	LF	LF	AC	EA
2016CPT.02.09.10741.7 P	itt 1	NC 222	RESURFACING FROM THE WILSON CO. LINE TO THE BEGINNING OF CURB AND GUTTER AT FOUNTAIN CITY LIMITS	1 2 2W	NO	NO	2.69 24.	5 6.0	200.0	5.4	630.0	2189.0	6270.0	3839.0	628.0	6.0	800.0	400.0	3.5	5.0
TOTAL FOR MAP NO. 1							2.7	6.0	200.0	5.4	630.0	2189.0	6270.0	3839.0	628.0	6.0	800.0	400.0	3.5	5.0
TOTAL FOR PROJ NO. 2016CPT.02.09.10741.7							2.7	6.0	200.0	5.4	630.0	2189.0	6270.0	3839.0	628.0	6.0	800.0	400.0	3.5	5.0
GRAND TOTAL				$\neg \neg$			2.7	6.0	200.0	5.4	630.0	2189.0	6270.0	3839.0	628.0	6.0	800.0	400.0	3.5	5.0

PROJECT REFERENCE NO.	SHEET NO.
2016CPT.02.09.10741.7	Я

THERMOPLASTIC AND PAINT QUANTITIES

					П		I		4399000000-N	4413000000-E	4688000000-E	469000000-E	490000000-N	
PROJECT				DESCRIPTION			l .		TEMPORARY	WORK ZONE	THERMO PVT MKG	TRERMO PVT MKG	PERM RAISED PVT	
	≥		ш			'	Ĭ,	l =	۱.	TRAFFIC	ADVANCE/	LINES 6" 90 MILS	LINES 6" 120 MILS	MARKERS
	Ξ	MAP	5		٩	SE	# }	<u> </u>	1 6	CONTROL	GENERAL WARNING			
	8	Σ	RO		-	ן	LANE	§	₹		SIGNING			
NO		NO			NO					LS	SF	LF	LF	EA
				RESURFACING FROM THE WILSON CO. LINE		T								
				TO THE BEGINNING OF CURB AND GUTTER										
2016CPT.02.09.10741.7	Pi tt	1	NC 222	AT FOUNTAIN CITY LIMITS	1	2	2WU	2.689	24.5	1.0	302.0	28934.0	17747.0	200.0
	TOTAL FOR	MAP	NO. 1					2.7		1.0	302.0	28934.0	17747.0	200.0
TOTAL FOR PROJ NO. 2016CPT.02.09.10741.7			PT.02.09.10741.7					2.7		1.0	302.0	28934.0	17747.0	200.0
GRAND TOTAL								2.7		1.0	302.0	28934.0	17747.0	200.0

PROJ. REFERENCE NO. SHEE 2016CPT.02.09.1074173



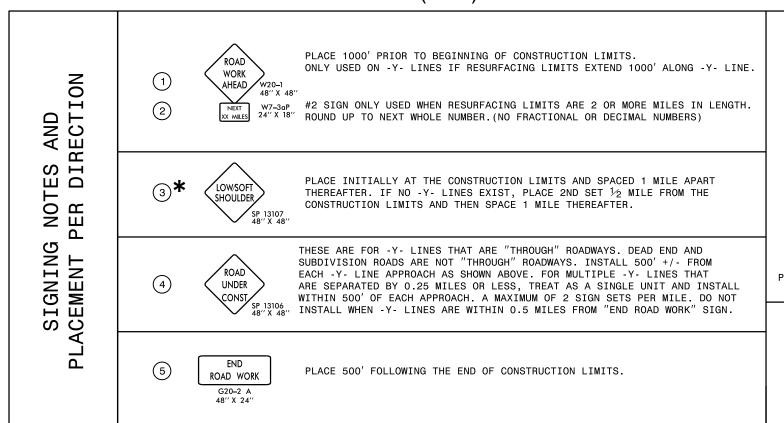
LEGEND

├ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING



NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

- 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE
- 2) SUBDIVISION ROADS
- 3) DEAD END ROADS

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.





PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER

* 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