

CONTRACT NO.: DA00230 WBS ELEMENT: ICR.10371.29, ETC.

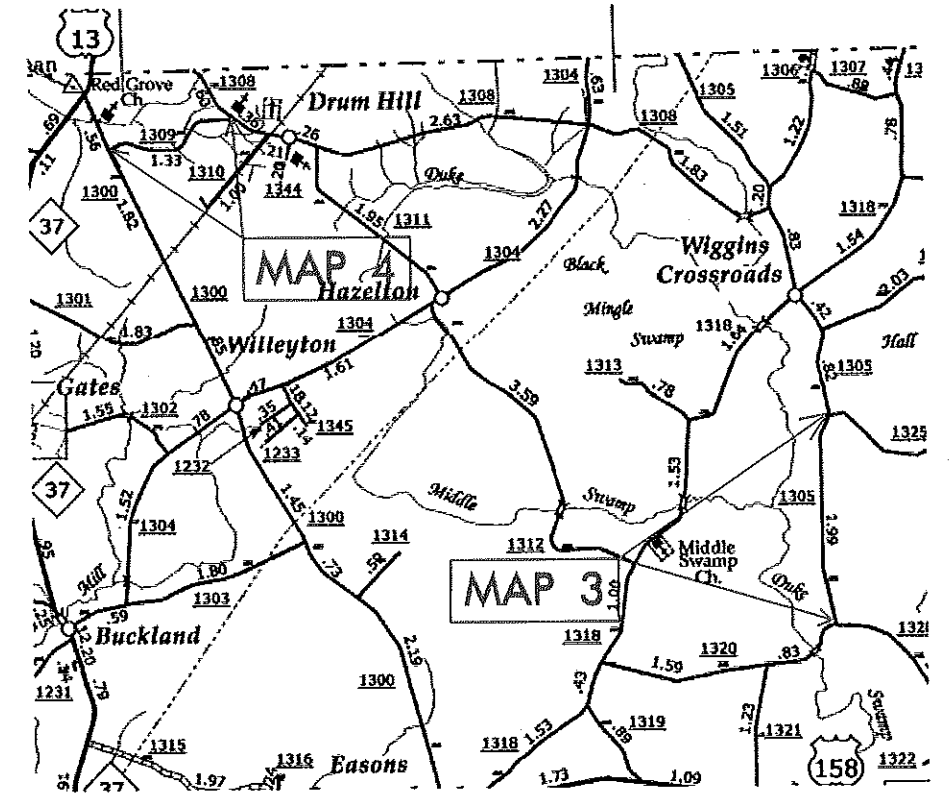
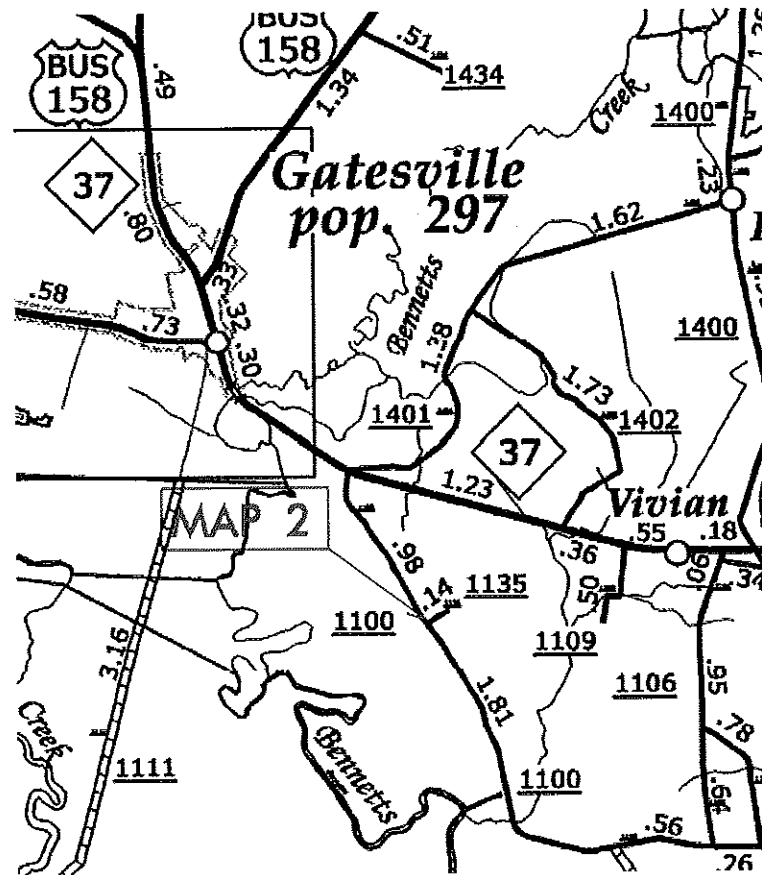
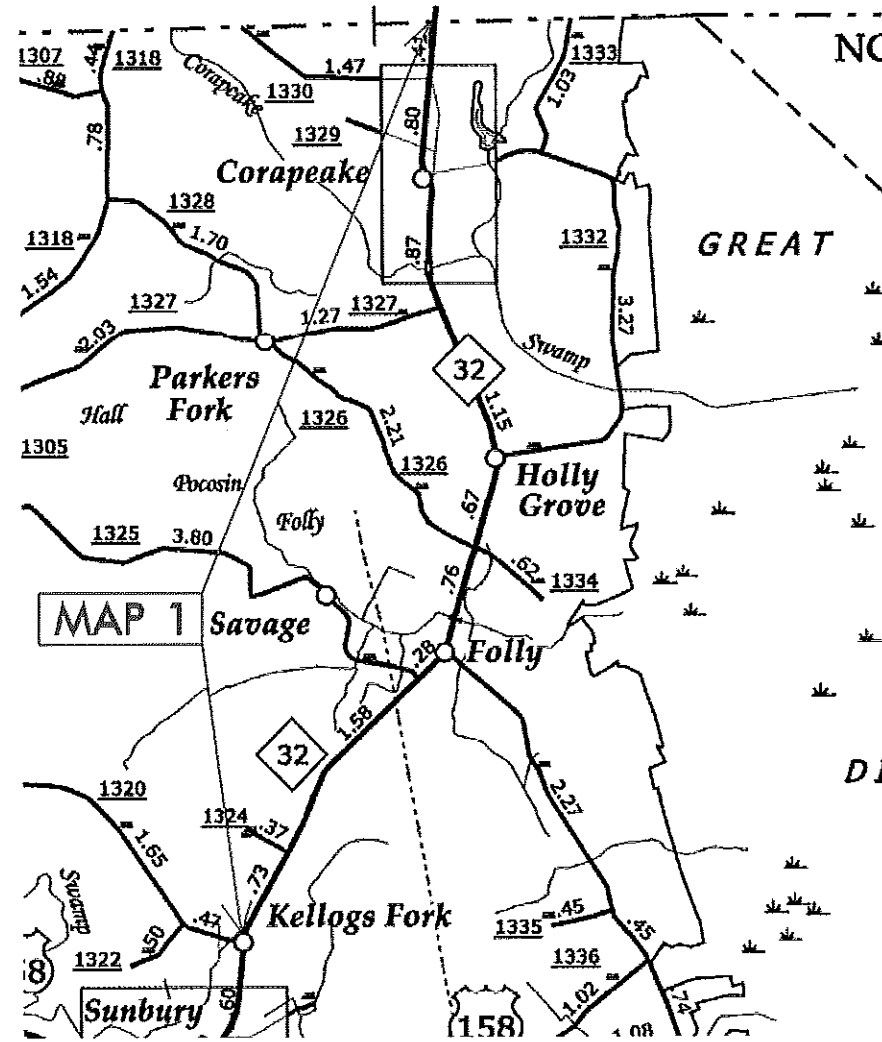
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

GATES COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10371.29, ETC	1	7
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
1CR.10371.29		MAP 1	
1CR.20371.42		MAP 2	
1CR.20371.43		MAP 3	
1CR.20371.44		MAP 4	

**LOCATION: MAP 1 NC 32 FROM SR 1320 TO VIRGINIA STATE LINE
MAP 2 SR 1135 LANGSTON LANE FROM SR 1100 TO DEAD END
MAP 3 SR 1305 UNION BRANCH FROM SR 1320 TO SR 1325
MAP 4 SR 1309 MALLORY BUCK FROM SR 1300 TO SR 1308**

TYPE OF WORK: RESURFACING



NTS

PROJECT LENGTH

- LENGTH OF ROADWAY PROJECT MAP 1 = 7.3 MI.
- LENGTH OF ROADWAY PROJECT MAP 2 = 0.14 MI.
- LENGTH OF ROADWAY PROJECT MAP 3 = 1.99 MI.
- LENGTH OF ROADWAY PROJECT MAP 4 = 1.33 MI.

Prepared in the Office of
DIVISION OF HIGHWAYS
113 Airport Dr., Edenton NC, 27932

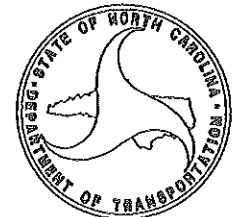
2012 STANDARD SPECIFICATIONS

LETTING DATE:

W.B. HOBBS, P.E.
DIVISION PROJECT MANAGER

C.E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



C O N T R A C T P A V E M E N T S C H E D U L E

C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE BASE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
U	EXISTING PAVEMENT.

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE 89.5B, AT AN AVERAGE RATE OF 188 LBS. PER SQ. YD.
U	EXISTING PAVEMENT.

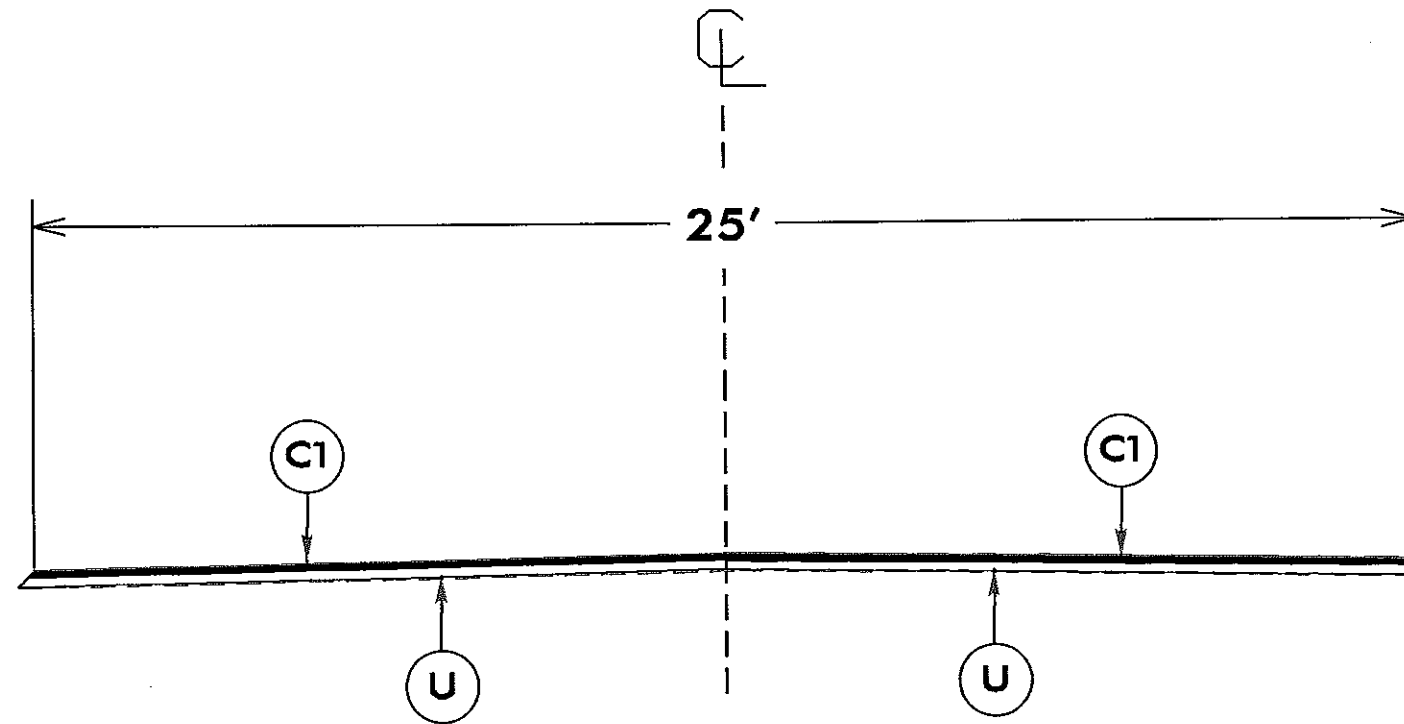
PROJECT REFERENCE NO.	SHEET NO.
1CR.10371.29, ETC.	3

NOTES:

*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

*SHOULDER RECONSTRUCTION TO BE DONE BY OTHERS



TYPICAL SECTION NO. 1

USE WITH MAP 1

NTS

PAVEMENT SCHEDULE

PROJECT REFERENCE NO.	SHEET NO.
1CR.10371.29, ETC.	4

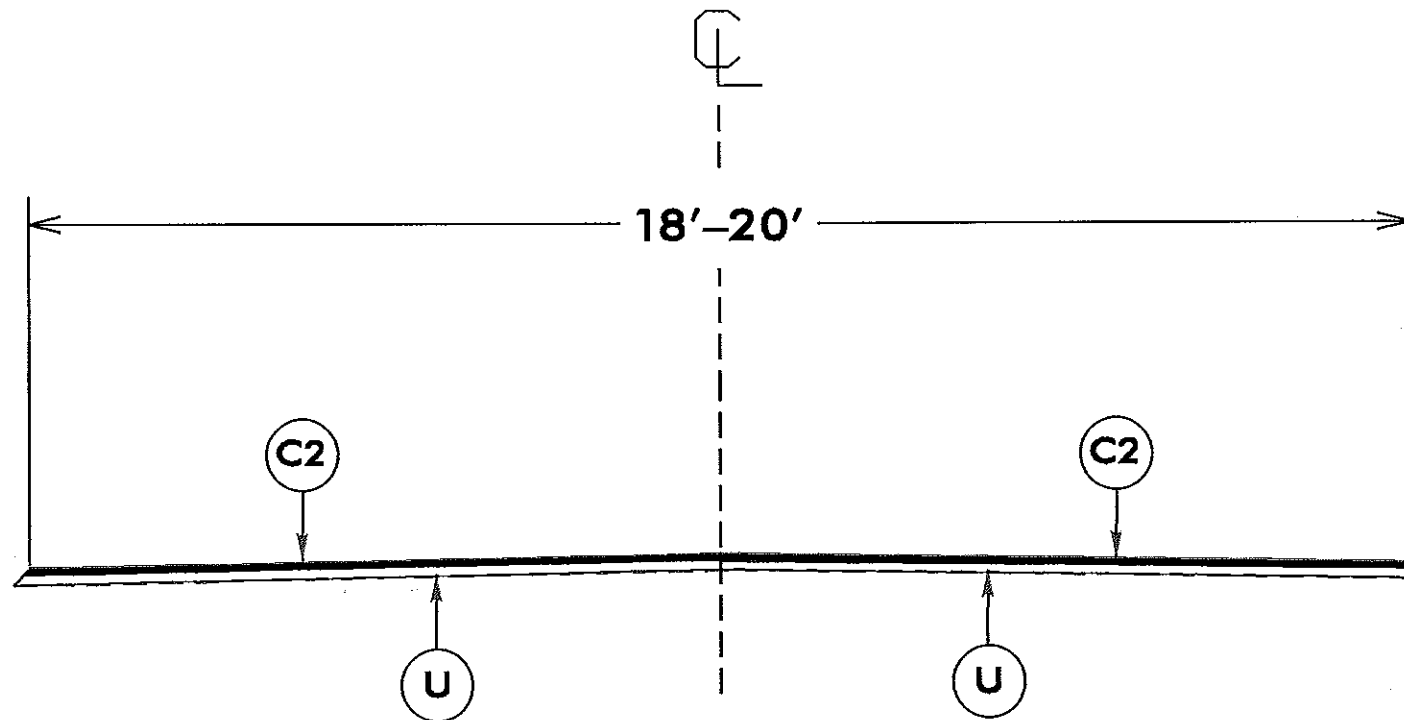
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.6A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
U	EXISTING PAVEMENT.

NOTES:

*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

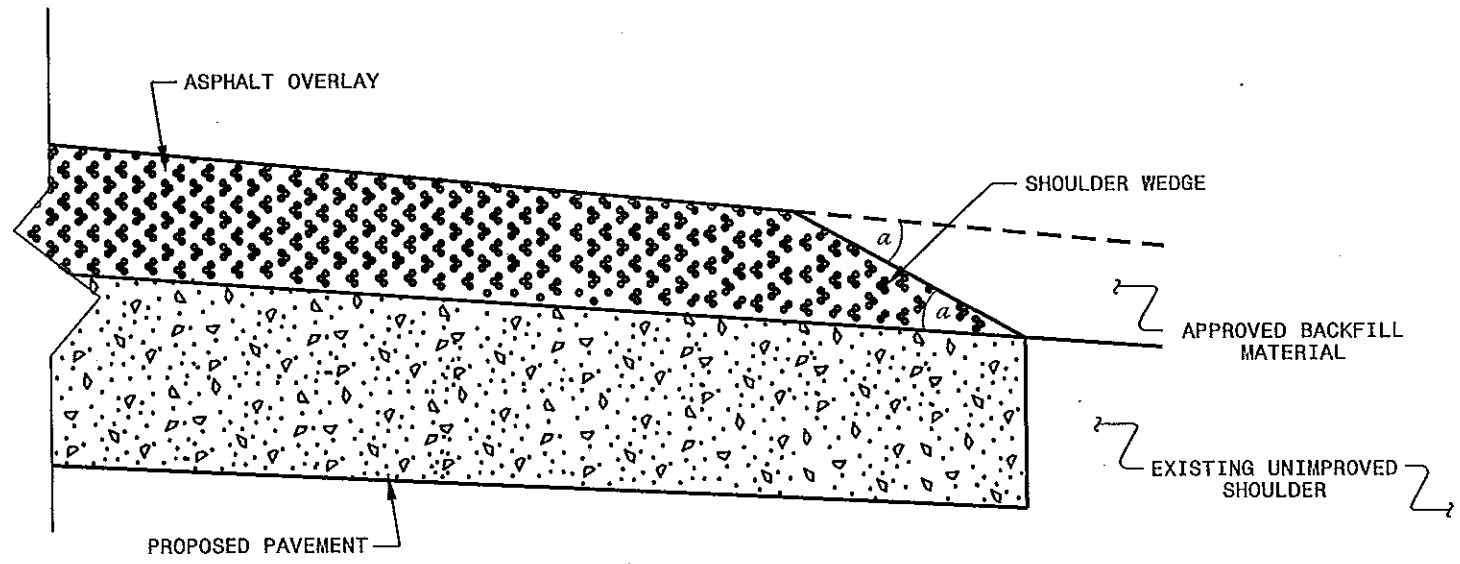
*SHOULDERS TO BE RECONSTRUCTED BY OTHERS



TYPICAL SECTION NO. 2

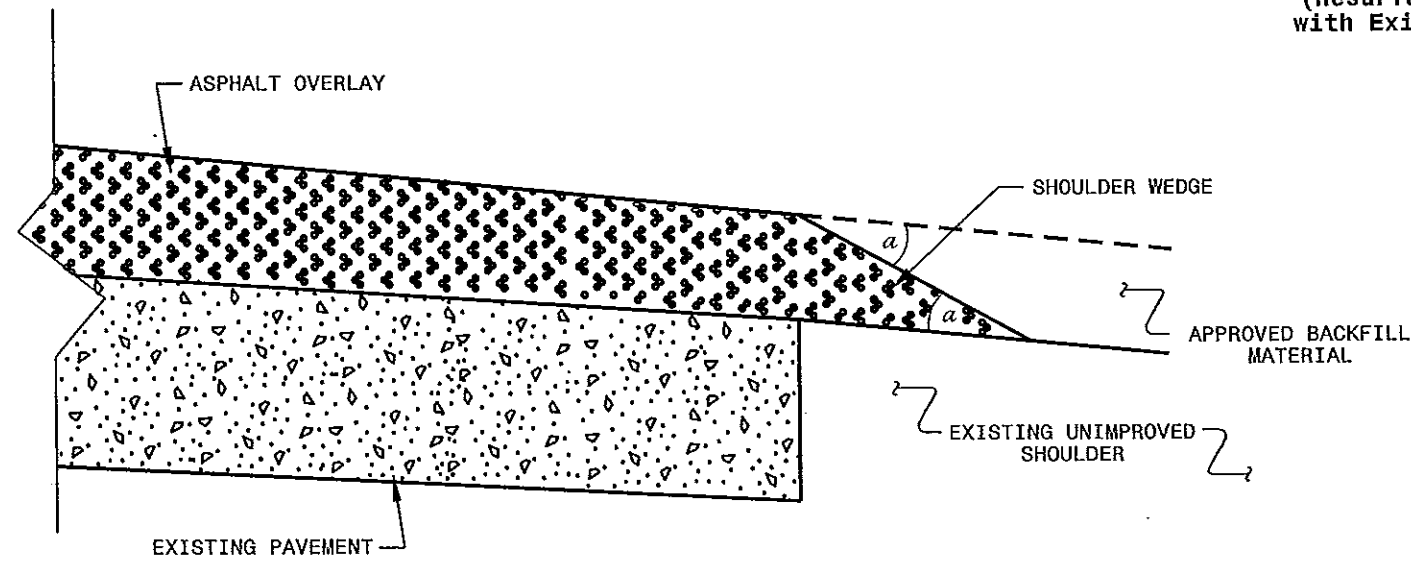
USE WITH MAP 2, 3, 4

NTS



SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ Widening or with Existing Paved Shoulder > 2 ft.)



SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ NO Widening)

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.

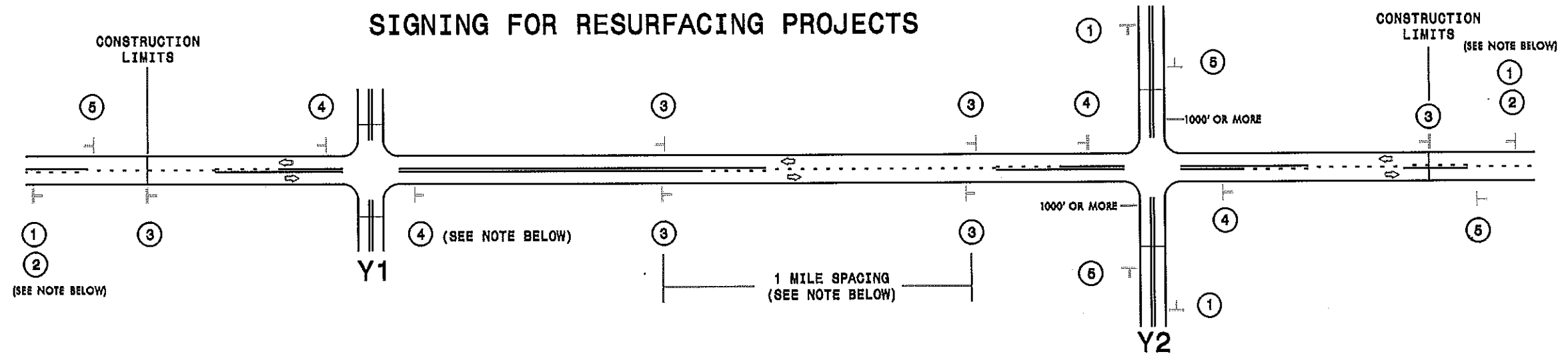
a - SHOULDER WEDGE ANGLE = 30°

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:\ar\details\stand\shoulderwedge\detail.dwg

SIGNING FOR RESURFACING PROJECTS



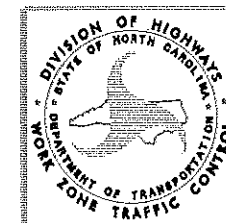
LEGEND	
T	STATIONARY SIGN
↔	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	①		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"> LESS THAN 1000' OF RESURFACING ALONG -Y- LINE SUBDIVISION ROADS 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; 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. PLACED 250' IN ADVANCE OF FLAGGER.</p>
	②		#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)	
	③		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.	
	④		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.	
	⑤		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.	

15-JAN-2015 10:42
 \\D:\cadd\4531\District1\Planing Maps\2015\Gattee\plans\Resurfacing_AdvWarn_2Ln.dgn
 D:\cadd\4531\District1\Planing Maps\2015\Gattee\plans\Resurfacing_AdvWarn_2Ln.dgn



**RESURFACING
 ADVANCE WARNING SIGNS
 FOR
 RURAL AND SUBURBAN
 2 LANE ROADWAYS**

PROJECT NO.	SHEET NO.	TOTAL NO.
1CR.10371.29, ETC.	7	7

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	MOBILIZATION LS	INCIDENTAL STONE BASE TONS	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TONS	TEMPORARY TRAFFIC CONTROL LS
1CR.10371.29	Gates	1	NC 32	SR 1320 TO VIRGINIA STATE LINE	1	2	2WU	NO	NO	7.30	25	1	150	300	7,964		478	1
1CR.20371.42	Gates	2	SR 1135 LANGSTON LANE	FROM SR 1100 TO DEAD END	2	2	2WU	NO	NO	0.14	20	*	12			136	9	*
1CR.20371.43	Gates	3	SR 1305 UNION BRANCH	FROM SR 1320 TO SR 1325	2	2	2WU	NO	NO	1.99	20	*	40			2,154	144	*
1CR.20371.44	Gates	4	SR 1309 MALLORY BUCK	FROM SR 1300 TO SR 1308	2	2	2WU	NO	NO	1.33	20	*	25			1,295	87	*
GRAND TOTAL										10.76		1	227	300	7,964	3,585	718	1