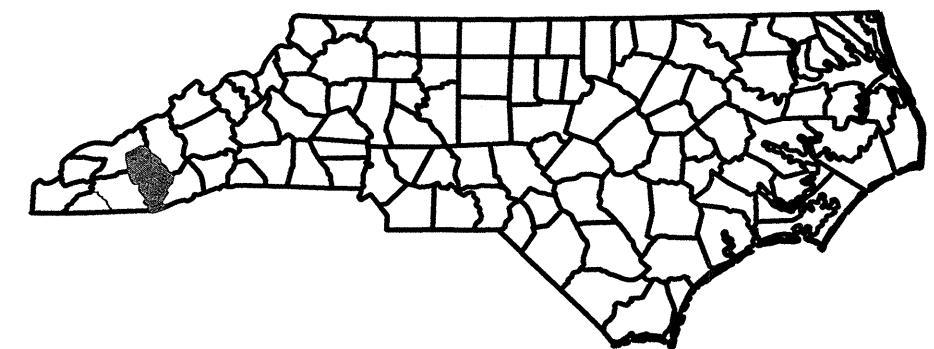
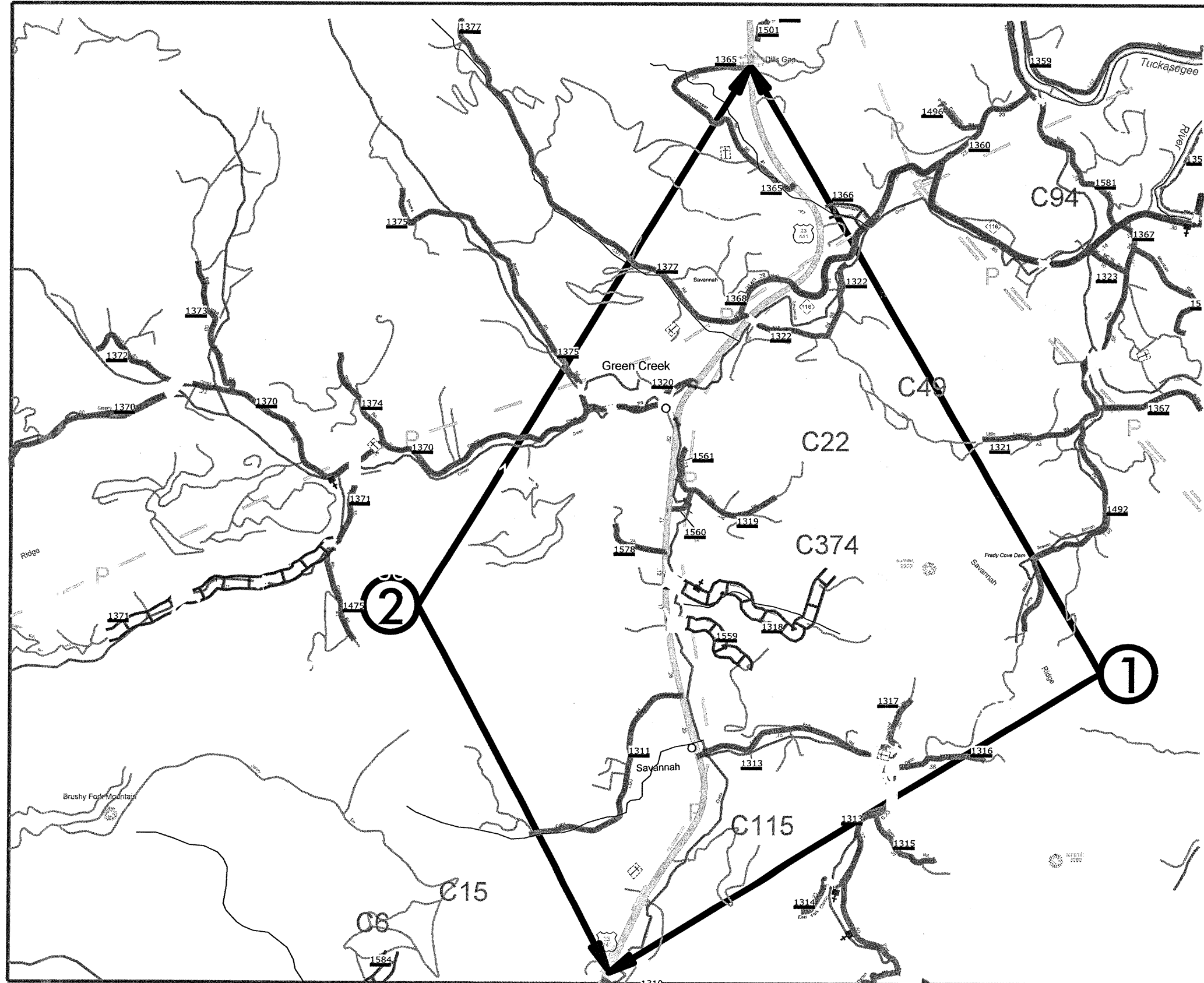


# JACKSON COUNTY

PROJECT REFERENCE NO.	SHEET NO.
R-5102	1 OF 6
STATE PROJECT	F.A. PROJECT NO. DESCRIPTION
R-5102	



151050

PROJECT REFERENCE NO.		SHEET NO.
R-5102		9 OF 6
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
R-5102		

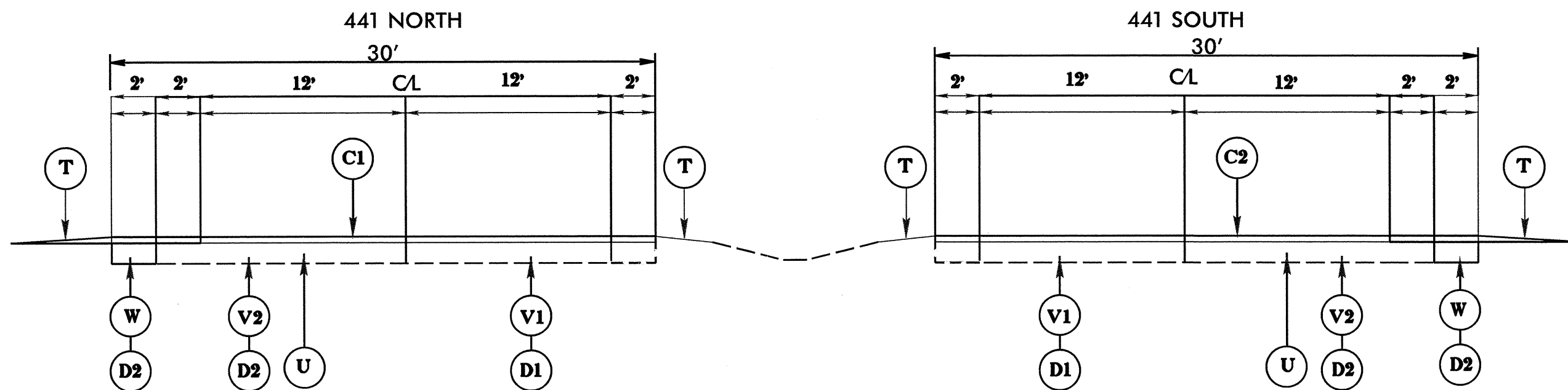
### SURFACING SCHEDULE

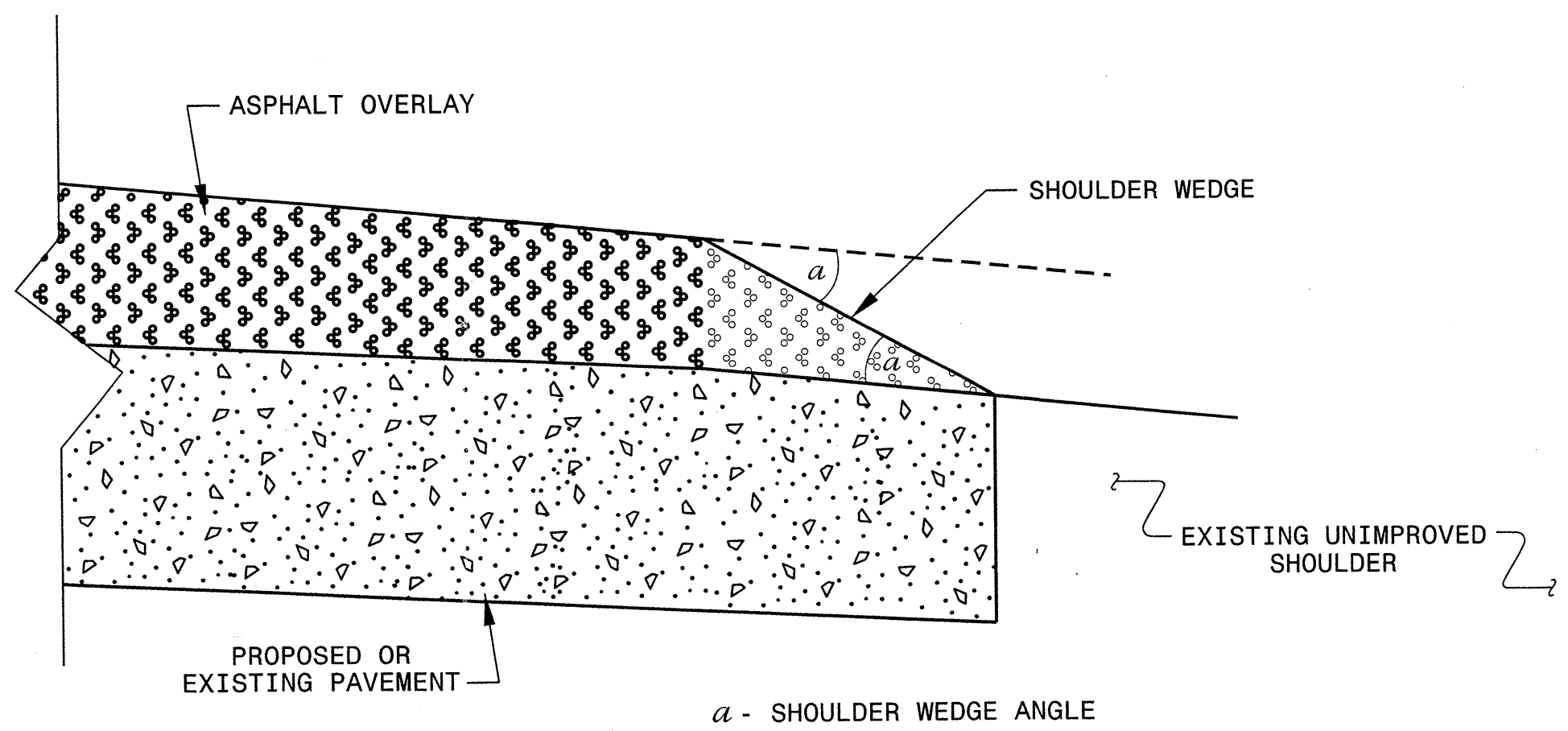
ITEM NO	DESCRIPTION
C1	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD (2").
C2	ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD (3"). TWO LAYERS
D1	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD (2 1/2").
D2	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD (4").
V1	MILLING ASPHALT PAVEMENT 2 1/2" IN DEPTH AS DIRECTED BY PROJECT ENGINEER
V2	MILLING ASPHALT PAVEMENT 4" IN DEPTH AS DIRECTED BY PROJECT ENGINEER
T	SHOULDER RECONSTRUCTION WITH ABCM SEE SPECIAL PROVISIONS.
U	EXISTING PAVEMENT
W	WIDENING - REMOVAL OF EXISTING SOIL

051017

PROJECT REFERENCE NO.		SHEET NO.
		3 OF 6
STATE PROJECT	F.A. PROJECT NO.	DESCRIPTION
R-5102		

# TYPICAL 1





## SHOULDER WEDGE DETAIL

04-OCT-2011 11:22  
 S:\CONTRACTS\Special Details\howerton\shoulderwedgedetail.dgn  
 \$\$\$USER\$\$\$

<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b> Office 919-707-6950 FAX 919-250-4119			
<b>SHOULDER WEDGE DETAIL</b>			
ORIGINAL BY:	T. SPELL	DATE:	7-19-11
MODIFIED BY:		DATE:	
CHECKED BY:		DATE:	
FILE SPEC.:	s:\usr\details\stand\shoulderwedgedetail.dgn		



COMPUTED BY: KLR DATE: 10/5/2011  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

PROJECT REFERENCE NO. R-5102/41892.3.1 SHEET NO. 5 of 6

DIVISION OF HIGHWAYS  
 STATE OF NORTH CAROLINA

**GUARDRAIL SUMMARY**

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL  
 TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.  
 FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL  
 W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL

G = GATING IMPACT ATTENUATOR TYPE 350  
 NG = NON-GATING IMPACT ATTENUATOR TYPE 350

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS										IMPACT ATTENUATOR TYPE 350		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	XI MOD	XI	GRAU 350	M-350	XIII	CAT-1	VI MOD	BIC	III	G	NG							
L	8+00	16+56	RT	800.00						50	1			1.0													800.00			
L	19+25	22+81	RT	300.00						50	1			1.0													300.00			
L	29+50	32+43	RT	237.50						50	1			1.0													237.50			
L	43+31	50+68	RT	681.25						50	1			1.0													681.25			
L	80+35	83+29	RT	237.50						50	1			1.0													237.50			
L	94+90	98+21	RT	275.00						50	1			1.0													275.00			
L	106+80	109+36	RT	200.00						50	1			1.0													200.00			
L	109+00	120+06	LT	1100.00	75.00					50	1			1.0													1175.00			
L	118+30	119+86	RT	100.00						50	1			1.0													100.00			
L	125+60	137+10	RT	1100.00	50.00					50	1			1.0								1.0					1150.00			
L	131+52	133+45	LT	150.00						50	1			1.0													150.00			
L	137+60	150+20	RT	1250.00	50.00									1.0								1.0					1300.00			
L	162+60	168+16	RT	500.00						50	1			1.0													500.00			
L	163+76	165+57	LT	125.00						50	1			1.0													125.00			
L	168+60	172+54	LT	337.50						50	1			1.0													337.50			
L	181+91	176+10	LT	525.00						50	1			1.0													525.00			
L	182+50	191+69	LT	862.50						50	1			1.0													862.50			
SUBTOTAL				9481.25	175.00									17.0									16.0				2.0	9656.25		
LESS ANCHOR DEDUCTIONS																														
	GRAU-350	17	AT 50'	850.00																										
	CAT-1	16	AT 6.25'	100.00																										
	III	2	AT 18.75'	37.50																										
ANCHOR TOTALS				987.50																										
TOTAL GUARDRAIL				9500.00	175.00									17.0									16.0				2.0	9656.25		
ADDITIONAL GUARDRAIL POSTS					5.0																									

D14HQ25

PROJECT NO.	SHEET NO.
41892.3.1	6
R-5102	

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	SHOULDER RECONSTRUCTION SMI	2 1/2" MILLING SY	4" MILLING SY	INTERMEDIATE COURSE, I19.0C TONS	SURFACE COURSE, S9.5C TONS	ASPHALT BINDER FOR PLANT MIX TONS	REPLACE CONCRETE APRON EA	SEAL EXIST D.I. EA	STEEL BM GUARDRAIL LF	STEEL BM GUARDRAIL SHOP CURVED LF	ADDITIONAL GUARDRAIL POSTS EA	GUARDRAIL ANCHOR UNIT TYPE: CAT-1 EA	GUARDRAIL ANCHOR UNIT TYPE III EA	GUARDRAIL ANCHOR UNIT TYPE 350 EA	REMOVE EXISTING GUARDRAIL LF			
41892.3.1	Jackson	1	US 23/441 NORTH BOUND LANES	FROM .21 MILES NORTH OF SR-1310 TO SR-1365	1	NO	3.8	30	7.00	29,962	40,306	14,359	10,088	1,284			5,681.25	100.00	5.00	9.00	2.00	11.00	5,781.25			
<b>TOTAL FOR MAP NO. 1</b>							<b>3.8</b>		<b>7.00</b>	<b>29,962</b>	<b>40,306</b>	<b>14,359</b>	<b>10,088</b>	<b>1,284</b>			<b>5,681.25</b>	<b>100.00</b>	<b>5.00</b>	<b>9.00</b>	<b>2.00</b>	<b>11.00</b>	<b>5,781.25</b>			
41892.3.1	Jackson	2	US 23/441 SOUTH BOUND LANES	FROM .21 MILES NORTH OF SR-1310 TO SR-1365	1	NO	3.8	30	7.00	29,962	40,306	15,568	12,238	1,342	14.00	33.00	3,818.75	75.00		7.00			6.00	3,875.00		
<b>TOTAL FOR MAP NO. 2</b>							<b>3.8</b>		<b>7.00</b>	<b>29,962</b>	<b>40,306</b>	<b>15,568</b>	<b>12,238</b>	<b>1,342</b>	<b>14.00</b>	<b>33.00</b>	<b>3,818.75</b>	<b>75.00</b>		<b>7.00</b>			<b>6.00</b>	<b>3,875.00</b>		
<b>TOTAL FOR PROJ NO. 41892.3.1</b>							<b>3.8</b>		<b>14.00</b>	<b>59,924</b>	<b>80,612</b>	<b>29,927</b>	<b>22,326</b>	<b>2,626</b>	<b>14.00</b>	<b>33.00</b>	<b>9,500.00</b>	<b>175.00</b>	<b>5.00</b>	<b>16.00</b>	<b>2.00</b>	<b>17.00</b>			<b>17.00</b>	<b>9,656.25</b>
<b>GRAND TOTAL</b>							<b>3.8</b>		<b>14.00</b>	<b>59,924</b>	<b>80,612</b>	<b>29,927</b>	<b>22,326</b>	<b>2,626</b>	<b>14.00</b>	<b>33.00</b>	<b>9,500.00</b>	<b>175.00</b>	<b>5.00</b>	<b>16.00</b>	<b>2.00</b>	<b>17.00</b>			<b>17.00</b>	<b>9,656.25</b>

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4400000000-E	4405000000-E	4415000000-N	4420000000-N	4430000000-N	4480000000-N	4516000000-N	4685000000-E				4686000000-E	4710000000-E	4725000000-E		4810000000-E		4905000000-N
							STATIONARY WORK ZONE SIGN SF	PORTABLE WORK ZONE SIGN SF	FLASHING ARROW PANELS, TYPE C EA	CHANGEABLE MESSAGE SIGN EA	DRUMS EA	TMIA EA	SKINNY DRUMS EA	4" X 90 M WHITE THERMO LF	4" X 90 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO LT ARROW 90 M EA	THERMO RT ARROW 90 M EA	4" WHITE PAINT LF	4" YELLOW PAINT LF	CRYSTAL & RED SNOWPLOWABLE MARKERS EA		
41892.3.1	Jackson	1	US 23/441 NORTH BOUND LANES	FROM .21 MILES NORTH OF SR-1310 TO SR-1365	3.8	30	288	192	2	2.0	80	2.0	320.0	20,583	19,431	5,016	220	23	4	23,800	18,480	423		
<b>TOTAL FOR MAP NO. 1</b>							<b>3.8</b>	<b>192</b>	<b>2</b>	<b>2.0</b>	<b>80</b>	<b>2.0</b>	<b>320</b>	<b>20,583</b>	<b>19,431</b>	<b>5,016</b>	<b>220</b>	<b>23</b>	<b>4</b>	<b>23,800</b>	<b>18,480</b>	<b>423</b>		
41892.3.1	Jackson	2	US 23/441 SOUTH BOUND LANES	FROM .21 MILES NORTH OF SR-1310 TO SR-1365	3.8	30							20,583	19,431	4,690	160	23	4	23,870	18,480	423			
<b>TOTAL FOR MAP NO. 2</b>							<b>3.8</b>							<b>20,583</b>	<b>19,431</b>	<b>4,690</b>	<b>160</b>	<b>23</b>	<b>4</b>	<b>23,870</b>	<b>18,480</b>	<b>423</b>		
<b>TOTAL FOR PROJ NO. 41892.3.1</b>							<b>3.8</b>	<b>192</b>	<b>2</b>	<b>2</b>	<b>80</b>	<b>2</b>	<b>320</b>	<b>41,166</b>	<b>38,862</b>	<b>9,706</b>	<b>380</b>	<b>46</b>	<b>8</b>	<b>47,670</b>	<b>36,960</b>	<b>846</b>		
<b>GRAND TOTAL</b>							<b>3.8</b>	<b>192</b>	<b>2</b>	<b>2</b>	<b>80</b>	<b>2</b>	<b>320</b>	<b>80,028</b>	<b>80,028</b>	<b>9,706</b>	<b>380</b>	<b>54</b>	<b>54</b>	<b>47,670</b>	<b>36,960</b>	<b>846</b>		