

GUILFORD COUNTY

COUNTY

ALAMANCE  
COUNTY

COUNTY

DAVIDSON

MONTGOMERY

COUNTY

MOORE

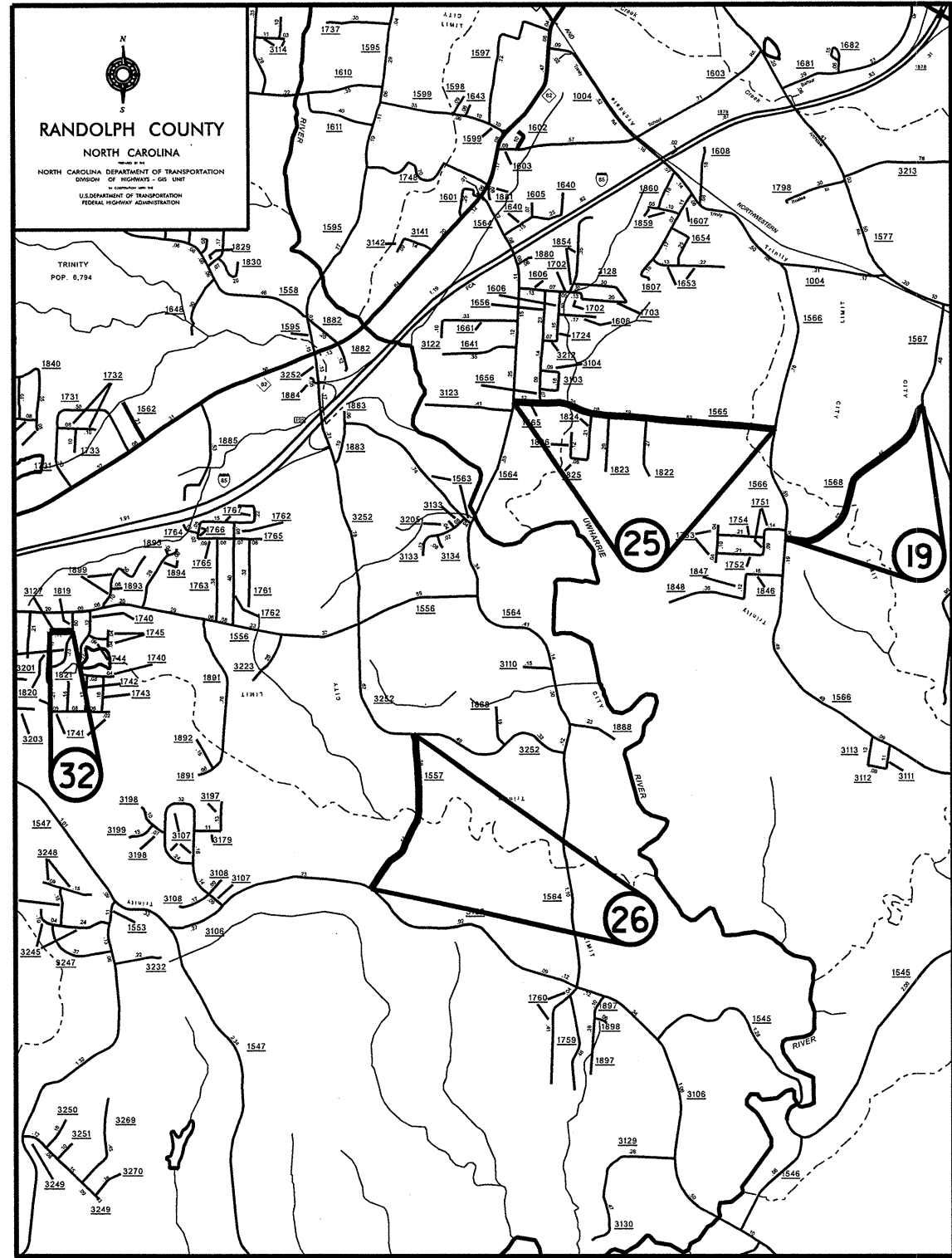
COUNTY

CHATHAM

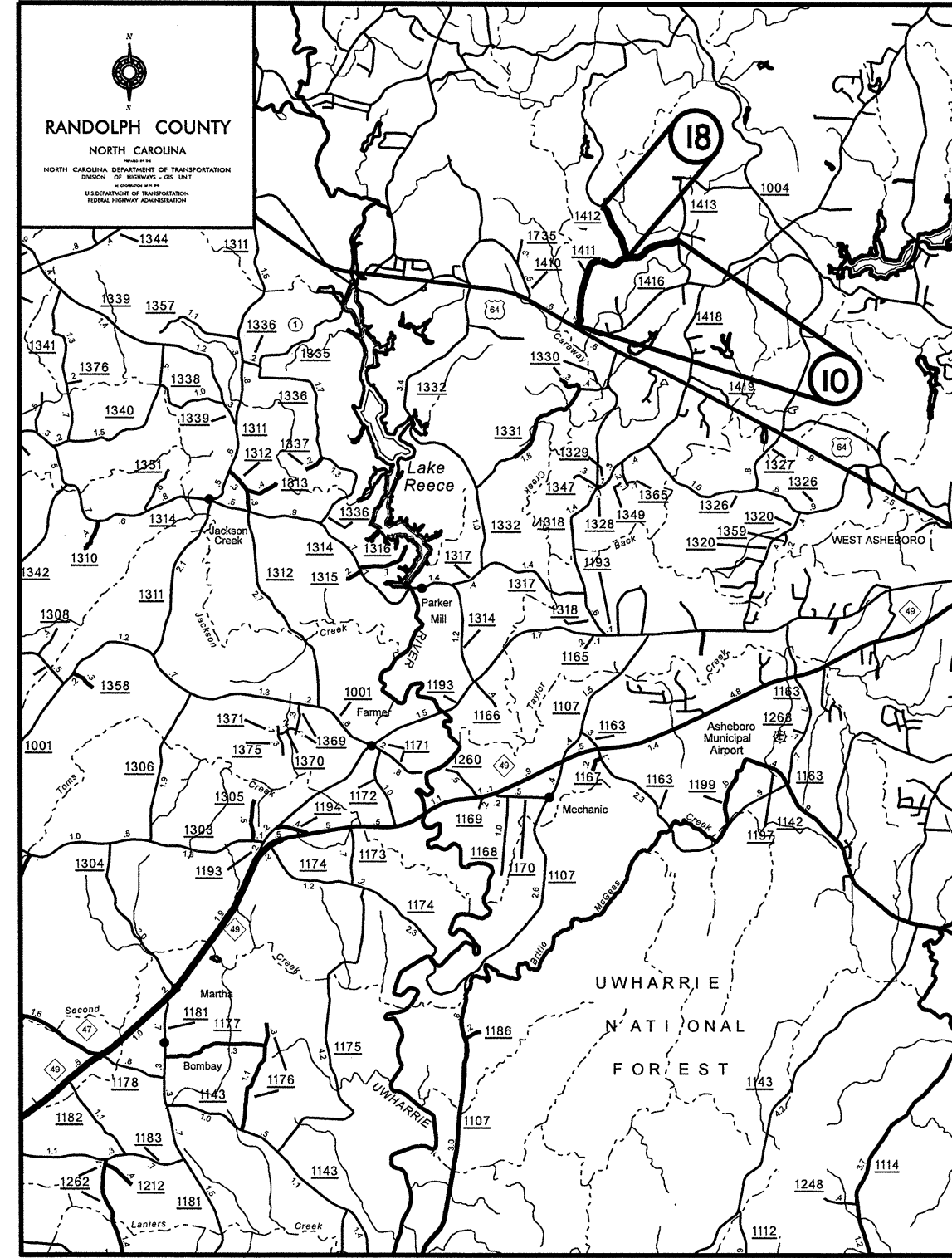


040397

MAP #19, #25, #26, & #32



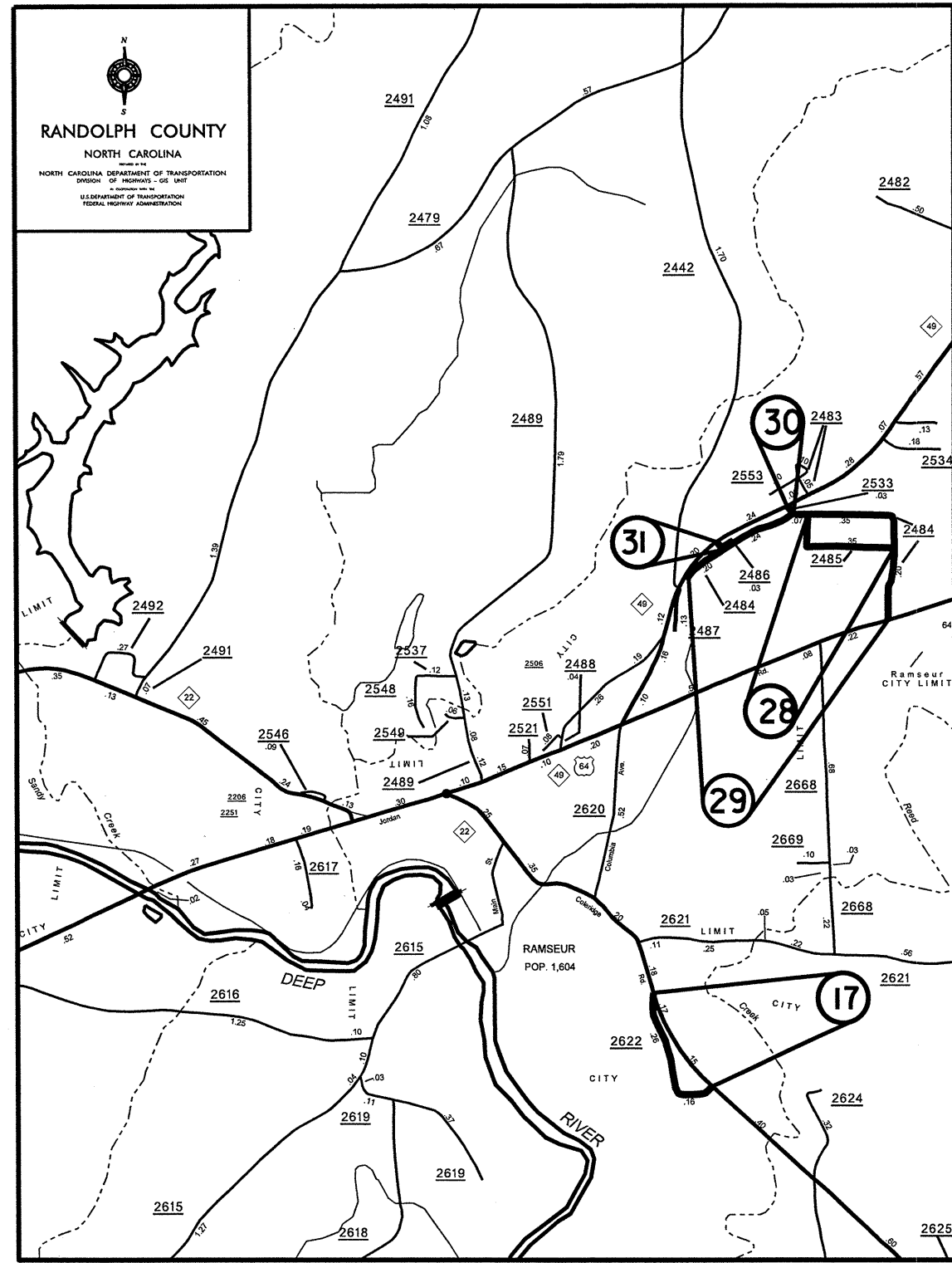
MAP #10 & #18



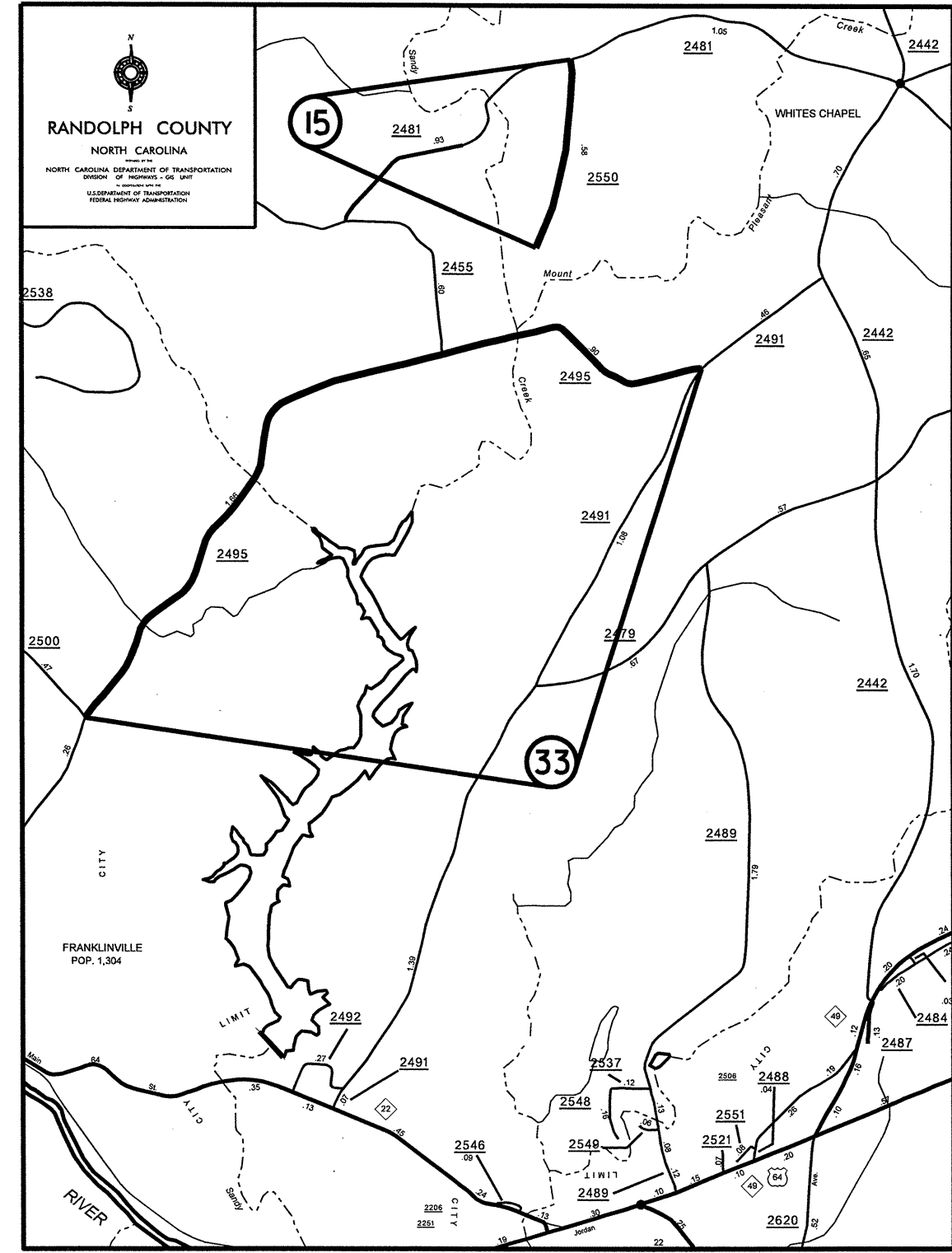
\*\*\*\*\*SYTIME\*\*\*\*\*  
\*\*\*\*\*SUN\*\*\*\*\*  
\*\*\*\*\*MAY\*\*\*\*\*  
\*\*\*\*\*1997\*\*\*\*\*



### MAP #17 & #28 - #31



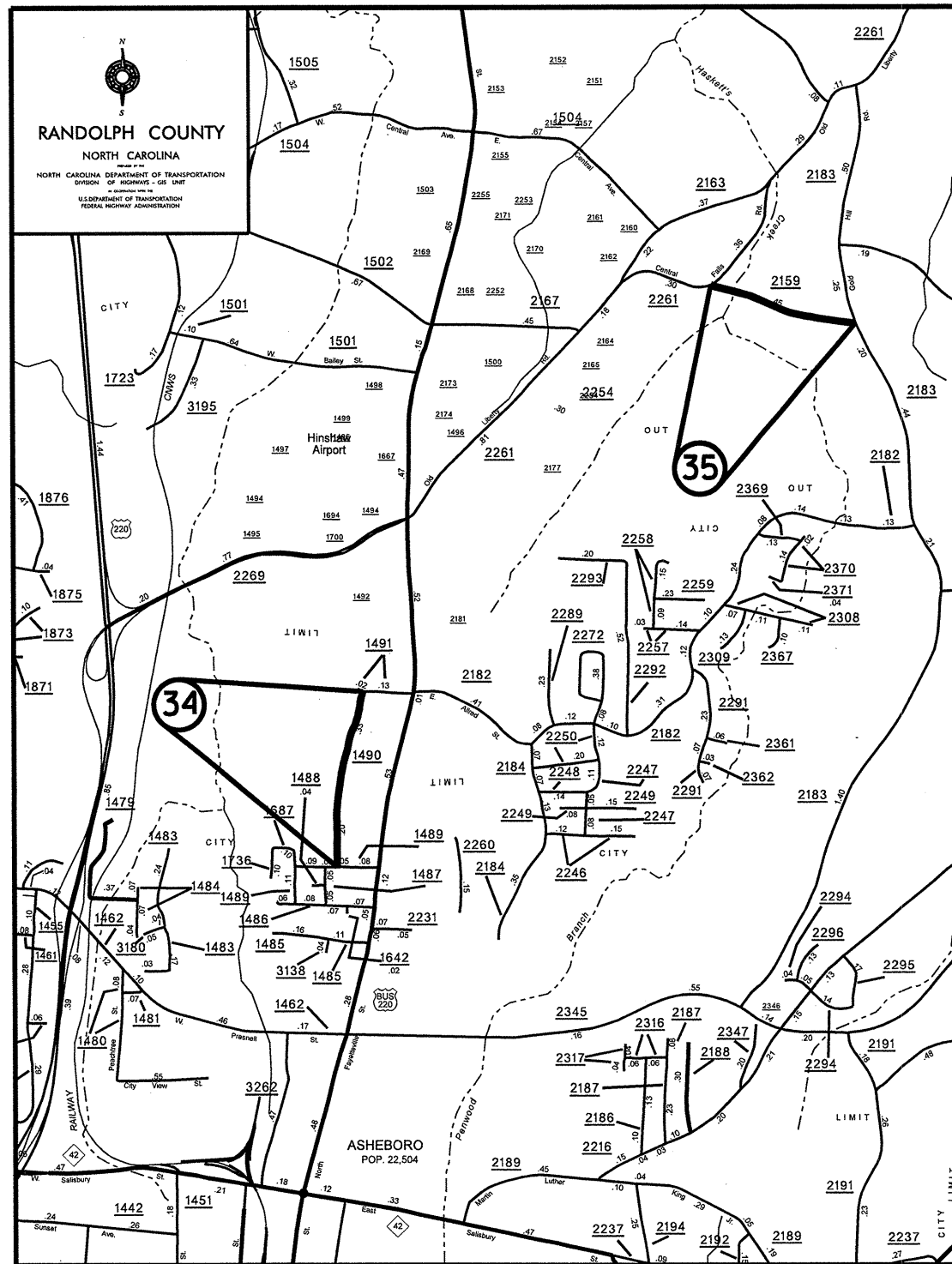
### MAP #15 & #33



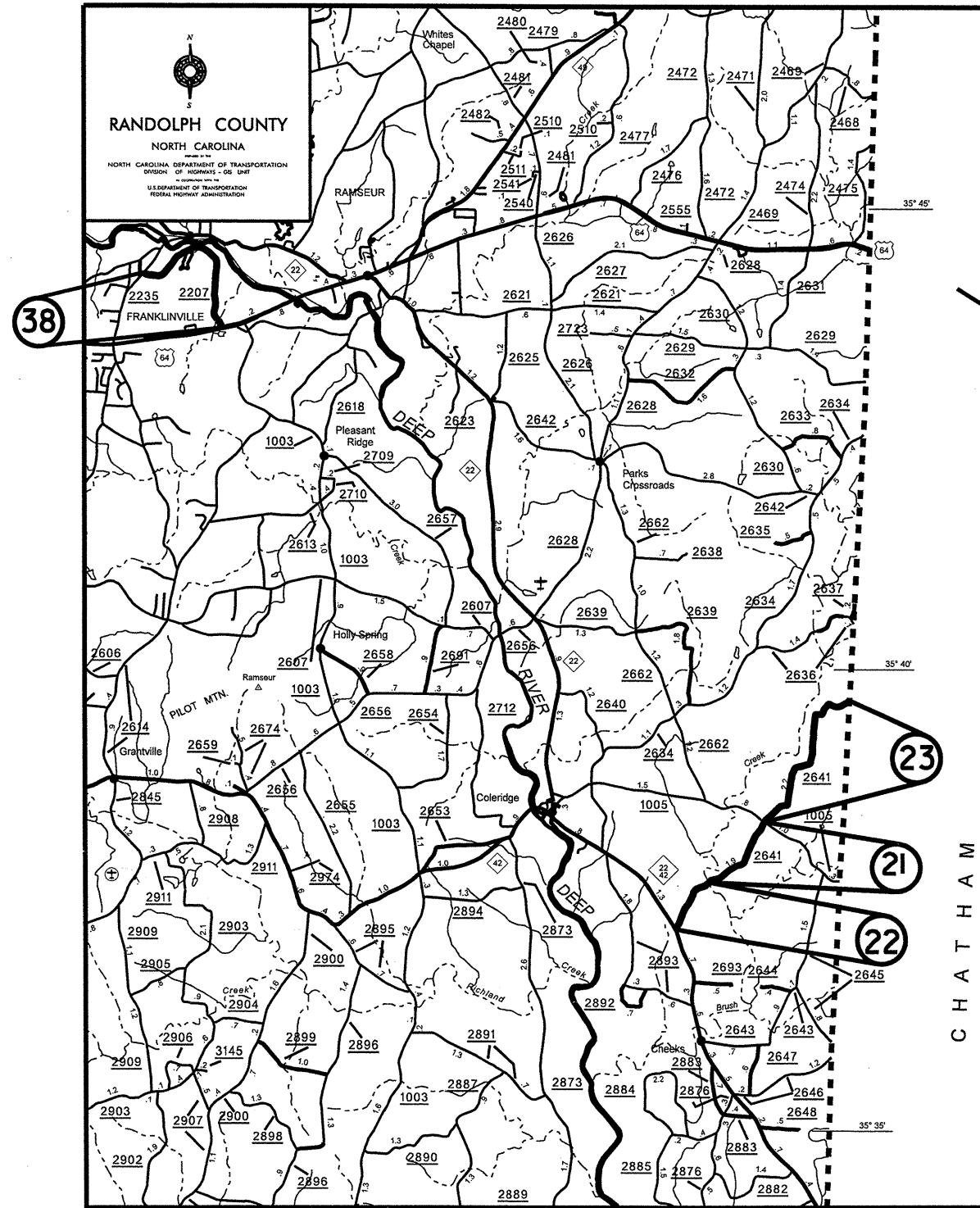
040357

\*\*\*\*\*CYTIME\*\*\*\*\*  
\*\*\*\*\*PLOT\*\*\*\*\*  
\*\*\*\*\*DATE\*\*\*\*\*

### MAP #34 & #35



### MAP #21, #22, #23 & #38

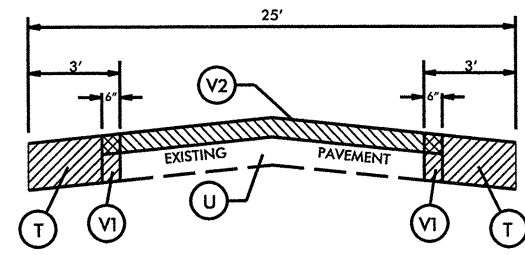


DATE: 08/01/00  
BY: J. W. DODD  
CHECKED: J. W. DODD  
SCALE: AS SHOWN

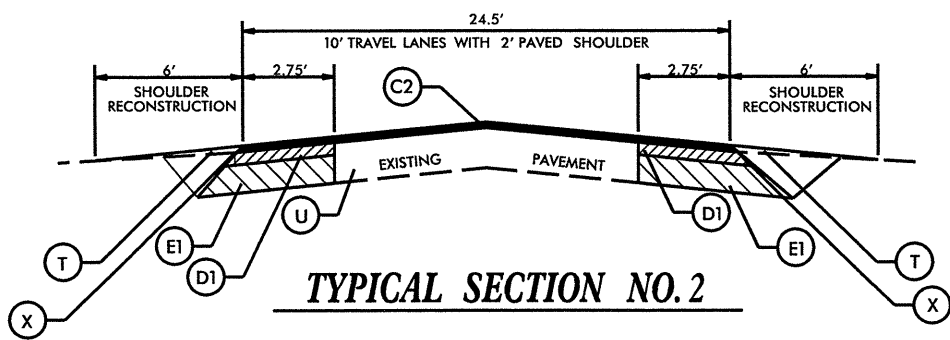
C H A T H A M



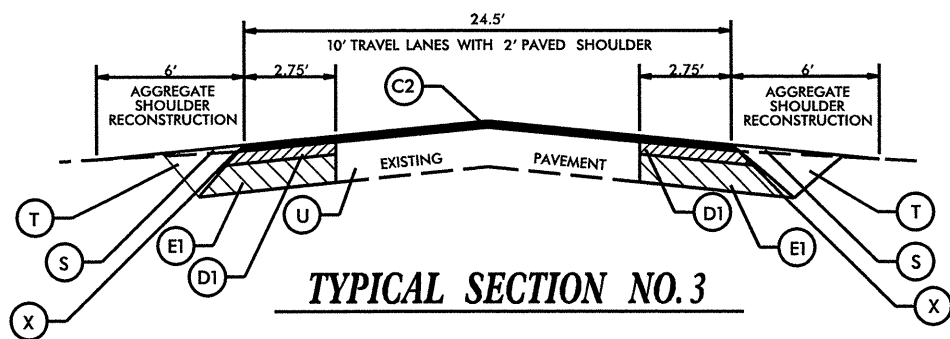
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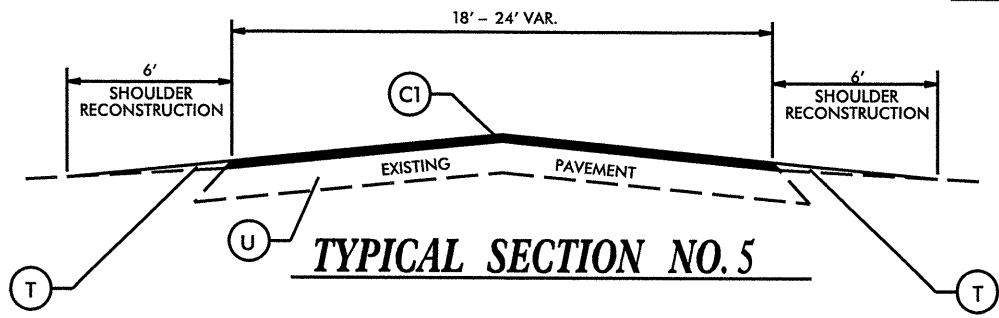
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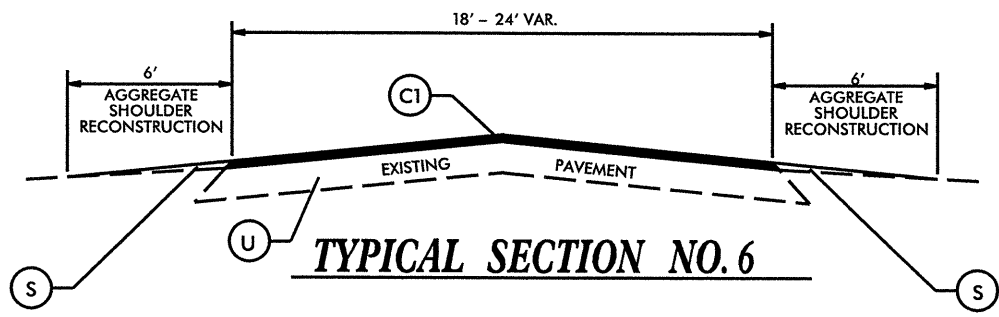
**TYPICAL SECTION NO.2**



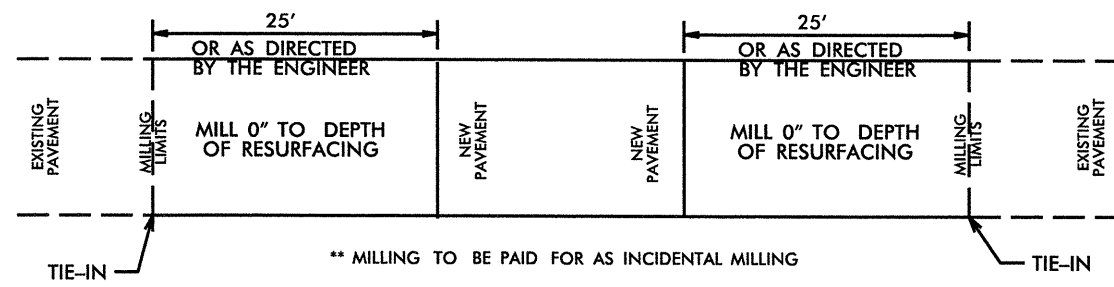
**TYPICAL SECTION NO.3**



**TYPICAL SECTION NO.5**

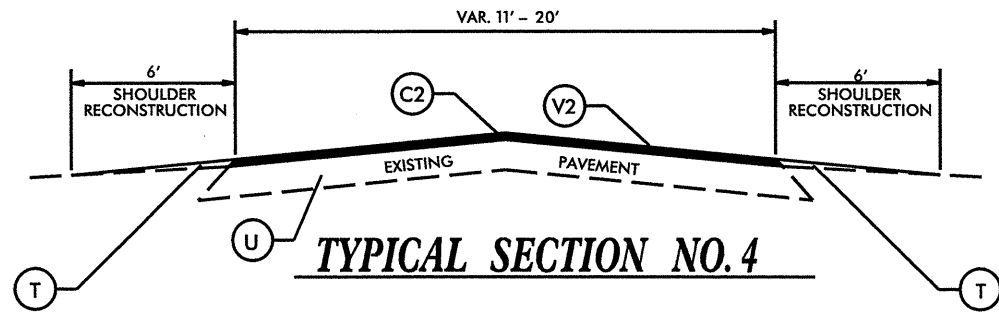


**TYPICAL SECTION NO.6**



\*\* MILLING TO BE PAID FOR AS INCIDENTAL MILLING

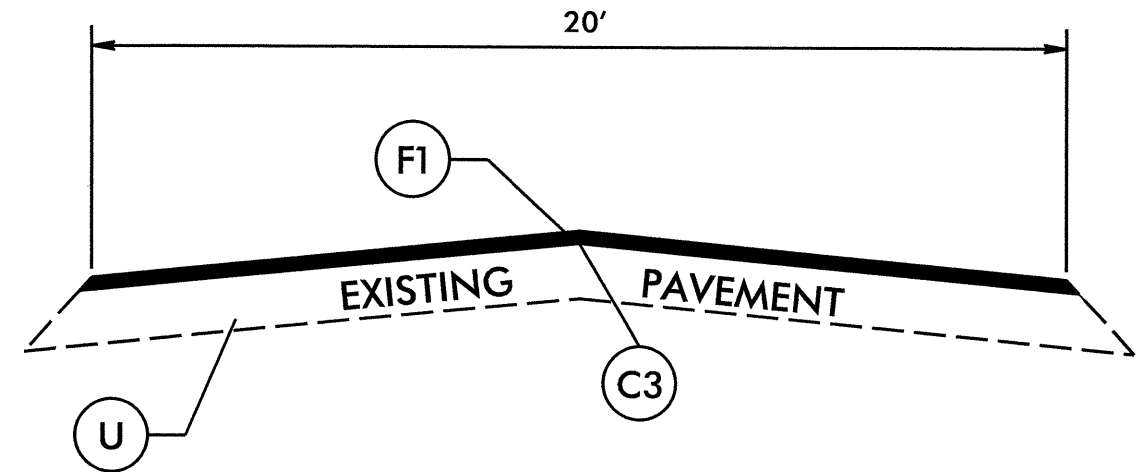
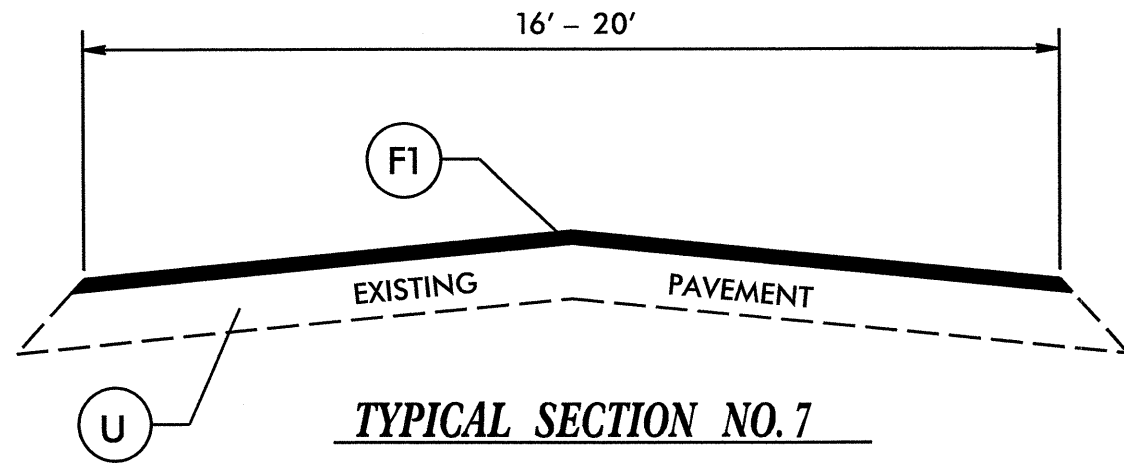
**PAVEMENT TIE-IN DETAIL**



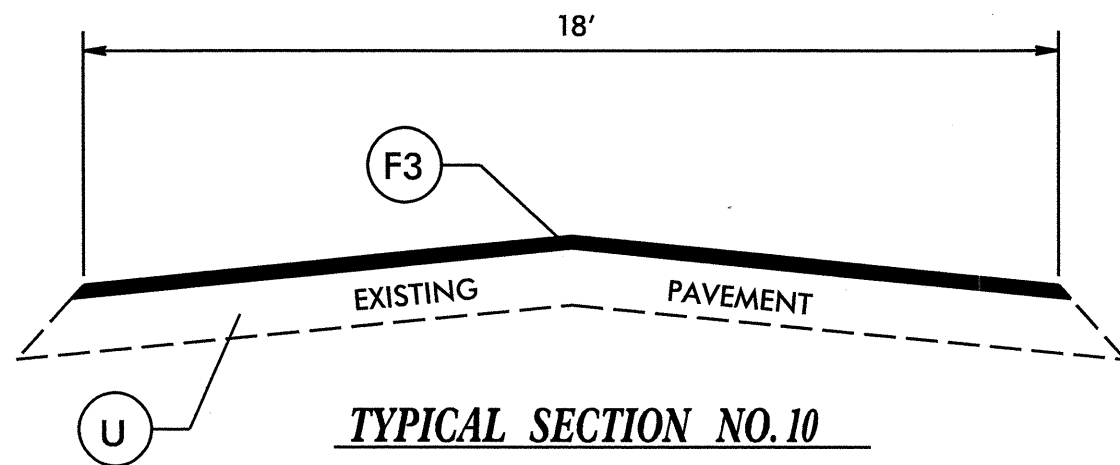
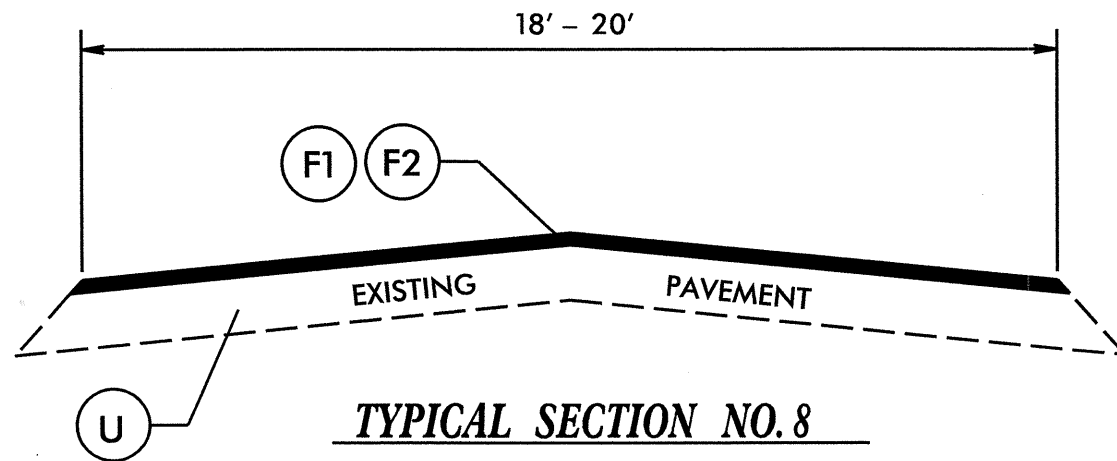
**TYPICAL SECTION NO.4**

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
S	AGGREGATE SHOULDER MATERIAL.
T	EARTH MATERIAL
U	EXISTING PAVEMENT.
V1	8" MILLING FOR 3' WIDENING (EXTENDS 6' INTO EXISTING PAVEMENT)
V2	1.5" MILLING OF EXISTING PAVEMENT
X	SHOULDER WEDGE





NOTE: ACSC S4.75A WILL BE USED AS A LEVELING COURSE AND PLACED AT THE DIRECTION OF THE ENGINEER.



### PAVEMENT SCHEDULE

C3	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 100 LBS. PER SQ. YD. PER 1" DEPTH.
F1	ASPHALT SURFACE TREATMENT, SPLIT SEAL
F2	ASPHALT SURFACE TREATMENT, SLURRY SEAL
F3	ASPHALT SURFACE TREATMENT, FOG SEAL
U	EXISTING PAVEMENT.





## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	AGGREGATE SHOULDER BORROW ALLOWED	LENGTH MI	WIDTH FT	BORROW EXCAVATION CY	AGGREGATE SHOULDER BORROW TON	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1.5" MILLING SY	8" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0C TONS	INTER-MEDIATE COURSE, I19.0C TONS	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	SURFACE COURSE, S4.75A LEVELING COURSE TONS	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ASPHALT SURFACE TREATMENT, SLURRY SEAL SY	ASPHALT SURFACE TREATMENT, SPLIT SEAL SY	ASPHALT SURFACE TREATMENT, FOG SEAL SY	WATTLE LF	SEED & MULCHING AC	SEED FOR REPAIR SEEDING LB	FERTILIZER FOR REPAIR SEEDING TON	
8.207611	Randolph	1	SR 1001	FROM SR 1193 TO DAVIDSON CO LINE	4	NO	YES	6.03	20	663		603	12.06	70,752		500			6,345			374	50				50	6.03	50	0.50	
8.207611	Randolph	2	SR 1928	FROM US 311 BYPASS TO SR 1921	5,6	NO	YES	3.31	18	364	40	331	6.62			1,150		3,200				192	300				50	3.31	50	0.50	
8.207611	Randolph	3	SR 1928	FROM SR 1921 TO WIDTH CHANGE	5,6	NO	YES	0.497	24	55	20	30	0.99			550		620				37					50	0.50	50	0.50	
8.207611	Randolph	4	SR 1928	FROM WIDTH CHANGE TO GUILFORD CO LINE	5	NO	YES	0.344	18	38		34	0.69			230		335				20	50				50	0.34	50	0.50	
8.207611	Randolph	5	SR 1143	FROM SR 1112 TO SR 1107	6	NO	YES	5.3	22		2,120	530	10.60			460		6,100				366	150								
8.207611	Randolph	6	SR 1143	FROM SR 1107 TO SR 1181	5,6	NO	YES	3.97	18		1,588	397	7.94			920		3,775				226	50								
8.207611	Randolph	7	SR 1311	FROM SR 1314 TO US 64	5,6	NO	YES	3.64	20	400	20	364	7.28			1,120		3,835				230	50				50	3.64	50	0.50	
<b>TOTAL FOR PROJ NO. 8.207611</b>								<b>23.091</b>		<b>1,520</b>	<b>3,788</b>	<b>2,289</b>	<b>46.18</b>	<b>70,752</b>			<b>4,930</b>		<b>17,865</b>	<b>6,345</b>		<b>1,445</b>	<b>650</b>				<b>250</b>	<b>13.82</b>	<b>250</b>	<b>2.5</b>	
8C.076150	Randolph	8	SR 1193	FROM NC 49 TO NC 49	1, 2, 3	NO	YES	9.74	24	1,071	40	974	19.48	114,282	5,715	3,750	10,975	6,415		12,675			1,539	50			50	9.74	50	0.50	
8C.076150	Randolph	9	SR 1193	RAMPS	4	NO	YES	0.465	11	51		20	0.93	3,001						270			16				50	0.47	50	0.50	
<b>TOTAL FOR PROJ NO. 8C.076150</b>								<b>10.205</b>		<b>1,122</b>	<b>40</b>	<b>994</b>	<b>20.41</b>	<b>117,283</b>	<b>5,715</b>	<b>3,750</b>	<b>10,975</b>	<b>6,415</b>		<b>12,945</b>			<b>1,555</b>	<b>50</b>			<b>100</b>	<b>10.21</b>	<b>100</b>	<b>1</b>	
8SP.20764.16	Randolph	10	SR 1411	FROM SR 1416 TO 1413	9	NO	NO	1.93	20												150	10	100								
8SP.20764.16	Randolph	11	SR 2032	FROM SR 1944 TO DEAD END	8	NO	NO	0.3	20														50		3,635	3,635					
8SP.20764.16	Randolph	12	SR 2033	FROM SR 2032 TO DEAD END	8	NO	NO	0.09	20																1,171	1,171					
8SP.20764.16	Randolph	13	SR 2330	FROM SR 2115 TO DEAD END	7	NO	NO	0.23	18														75			2,429					
8SP.20764.16	Randolph	14	SR 2121	FROM SR 2122 TO DEAD END	8	NO	NO	0.2	20														35		2,112	2,112					
8SP.20764.16	Randolph	15	SR 2550	FROM SR 2481 TO DEAD END	7	NO	NO	0.59	18														50			6,231					
8SP.20764.16	Randolph	16	SR 2301	FROM SR 2122 TO DEAD END	10	NO	NO	0.3	18																	3,168					
8SP.20764.16	Randolph	17	SR 2622	FROM NC 22 TO NC 22	7	NO	NO	0.42	16														40			3,943					
8SP.20764.16	Randolph	18	SR 1412	FROM SR 1411 TO BRIDGE	7	NO	NO	0.7	20														40			8,214					
8SP.20764.16	Randolph	19	SR 1568	FROM SR 1566 TO SR 1567	9	NO	NO	1.5	20												150	10	125				17,600				
8SP.20764.16	Randolph	20	SR 2410	FROM SR 2411 TO ASHEBORO ST.	7	NO	NO	1.27	20														180			14,902					
8SP.20764.16	Randolph	21	SR 2641	FROM 1005 TO CHANGE IN PAVEMENT	7	NO	NO	0.87	20														50			10,208					
8SP.20764.16	Randolph	22	SR 2641	FROM PAVEMENT CHANGE TO NC 22	7	NO	NO	0.62	20														40			7,275					
8SP.20764.16	Randolph	23	SR 2641	FROM SR 1005 TO CHATHAM CO. LINE	7	NO	NO	2.16	20														200			25,344					
8SP.20764.16	Randolph	24	SR 2411	FROM SR 2407 TO 2410	7	NO	NO	1.49	20														50			17,483					
8SP.20764.16	Randolph	25	SR 1565	FROM SR 1564 TO SR 1566	7	NO	NO	1.25	20														50			15,127					
8SP.20764.16	Randolph	26	SR 1557	FROM SR 3252 TO SR 3106	9	NO	NO	0.8	20														100	7	100		9,387				
8SP.20764.16	Randolph	27	SR 2439	FROM SR 2438 TO SR 2459	7	NO	NO	1.12	20														60			13,374					
8SP.20764.16	Randolph	28	SR 2485	FROM SR 2484 TO SR 2484	7	NO	NO	0.36	20														50			4,224					
8SP.20764.16	Randolph	29	SR 2484	FROM NC 49 TO US 64	7	NO	NO	0.98	18														50			10,809					
8SP.20764.16	Randolph	30	SR 2533	FROM NC 49 TO SR 2484	7	NO	NO	0.026	18														15			275					
8SP.20764.16	Randolph	31	SR 2486	FROM NC 49 TO 2484	7	NO	NO	0.026	18														15			275					
8SP.20764.16	Randolph	32	SR 3127	FROM SR 1819 TO SR 1820	8	NO	NO	0.11	20														40		1,291	1,291					
8SP.20764.16	Randolph	33	SR 2495	FROM SR 2491 TO SR 2500	9	NO	NO	2.56	20														130	9	100		30,153				
8SP.20764.16	Randolph	34	SR 1490	FROM WCL ASHEBORO TO SR 1491	7	NO	NO	0.54	20														15			6,566					
8SP.20764.16	Randolph	35	SR 2159	FROM SR 2261 TO SR 2183	7	NO	NO	0.45	20														20			5,280					
8SP.20764.16	Randolph	36	SR 2459	FROM NC 49 TO SR 2440	7	NO	NO	4.9	20														60			58,069					
8SP.20764.16	Randolph	37	SR 2440	FROM SR 2459 TO SR 2442	7	NO	NO	0.6	20														60			7,155					
8SP.20764.16	Randolph	38	SR 2207	FROM US 64 TO SR 2235	7	NO	NO	1.99	16														170			18,211					
<b>TOTAL FOR PROJ NO. 8SP.20764.16</b>								<b>28.382</b>														<b>530</b>	<b>36</b>	<b>1,840</b>	<b>8,209</b>	<b>323,503</b>	<b>3,168</b>				
<b>GRAND TOTAL</b>								<b>61.678</b>		<b>2,642</b>	<b>3,828</b>	<b>3,283</b>	<b>66.59</b>	<b>188,035</b>	<b>5,715</b>	<b>8,680</b>	<b>10,975</b>	<b>6,415</b>	<b>17,865</b>	<b>19,290</b>	<b>530</b>	<b>3,036</b>	<b>2,540</b>	<b>8,209</b>	<b>323,503</b>	<b>3,168</b>	<b>350</b>	<b>24.03</b>	<b>350</b>	<b>3.5</b>	

PROJECT NO.	SHEET NO.	TOTAL NO.
8.207611, 8C.076150 8SP.20764.16	13	

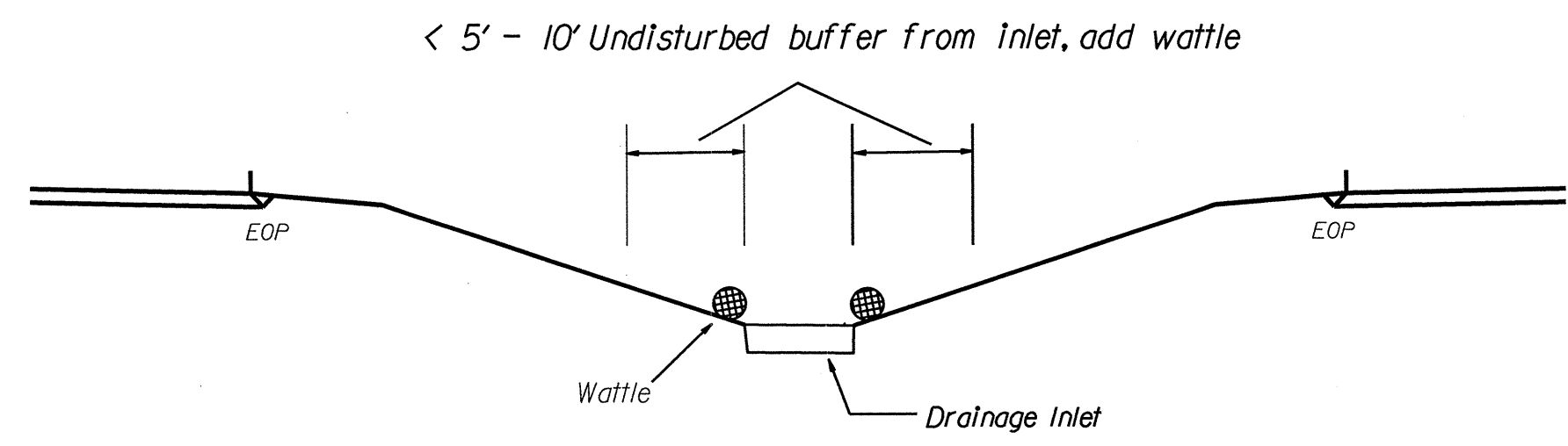
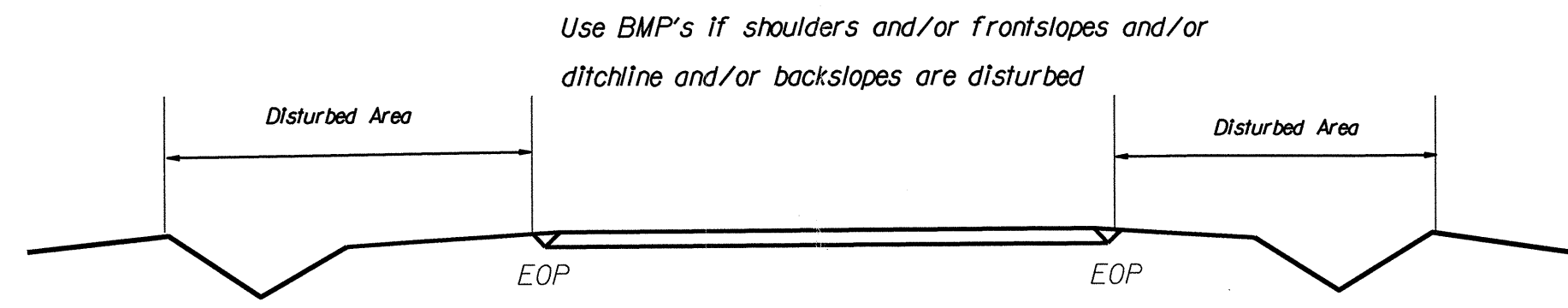
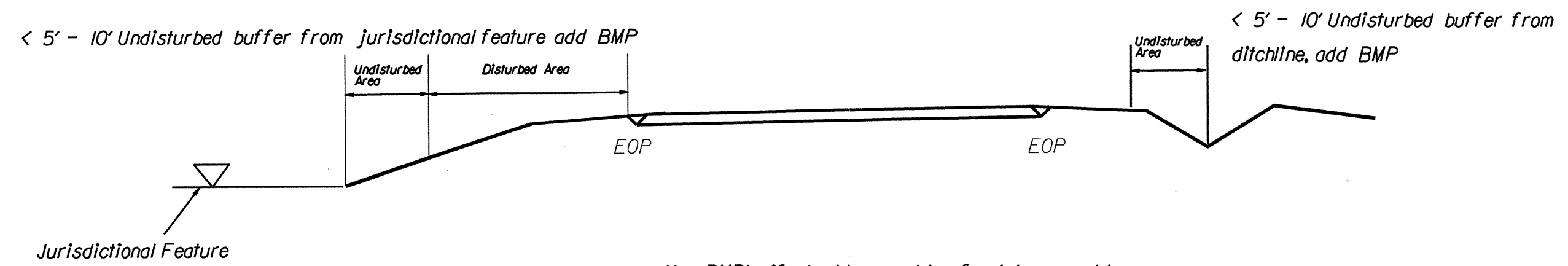
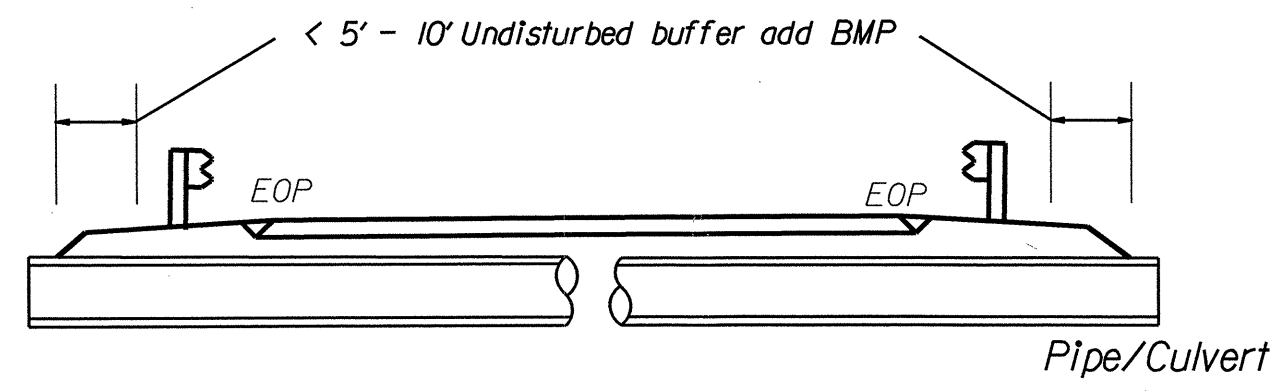
## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4399000000-N	4685000000-E	4686000000-E	4810000000-E	4900000000-N			
							TEMPORARY TRAFFIC CONTROL LS	4" X 90 M WHITE THERMO LF	4" X 90 M YELLOW THERMO LF	4" X 120 M YELLOW THERMO LF	4" WHITE PAINT LF	4" YELLOW PAINT LF	YELLOW & YELLOW MARKERS EA	
8.207611	Randolph	1	SR 1001	FROM SR 1193 TO DAVIDSON CO LINE	6.03	20	*	63,677		63,677	63,677	63,677	398	
8.207611	Randolph	2	SR 1928	FROM US 311 BYPASS TO SR 1921	3.31	18		34,954		21,846			218	
8.207611	Randolph	3	SR 1928	FROM SR 1921 TO WIDTH CHANGE	0.497	24		5,348		3,280			33	
8.207611	Randolph	4	SR 1928	FROM WIDTH CHANGE TO GUILFORD CO LINE	0.344	18		3,701		2,270			23	
8.207611	Randolph	5	SR 1143	FROM SR 1112 TO SR 1107	5.3	22		57,028		34,980			700	
8.207611	Randolph	6	SR 1143	FROM SR 1107 TO SR 1181	3.97	18		42,717		26,202			262	
8.207611	Randolph	7	SR 1311	FROM SR 1314 TO US 64	3.64	20		39,166		24,024			240	
<b>TOTAL FOR PROJ NO. 8.207611</b>					<b>23.091</b>		<b>1</b>	<b>246,591</b>		<b>176,279</b>	<b>63,677</b>	<b>63,677</b>	<b>1,874</b>	
								<b>246,591</b>		<b>127,354</b>				
8C.076150	Randolph	8	SR 1193	FROM NC 49 TO NC 49	9.74	24	*	104,802		64,284	102,854	77,141	643	
8C.076150	Randolph	9	SR 1193	RAMPS	0.465	11		2,355	2,555	2,455	2,555			
<b>TOTAL FOR PROJ NO. 8C.076150</b>					<b>10.205</b>		<b>1</b>	<b>107,157</b>	<b>2,555</b>	<b>64,284</b>	<b>105,309</b>	<b>79,696</b>	<b>643</b>	
								<b>109,712</b>			<b>185,005</b>			
8SP.20764.16	Randolph	10	SR 1411	FROM SR 1416 TO 1413	1.93	20	*				41,534	40,762		
8SP.20764.16	Randolph	11	SR 2032	FROM SR 1944 TO DEAD END	0.3	20								
8SP.20764.16	Randolph	12	SR 2033	FROM SR 2032 TO DEAD END	0.09	20								
8SP.20764.16	Randolph	13	SR 2330	FROM SR 2115 TO DEAD END	0.23	18								
8SP.20764.16	Randolph	14	SR 2121	FROM SR 2122 TO DEAD END	0.2	20								
8SP.20764.16	Randolph	15	SR 2550	FROM SR 2481 TO DEAD END	0.59	18								
8SP.20764.16	Randolph	16	SR 2301	FROM SR 2122 TO DEAD END	0.3	18					6,456	6,336		
8SP.20764.16	Randolph	17	SR 2622	FROM NC 22 TO NC 22	0.42	16					9,038	8,870		
8SP.20764.16	Randolph	18	SR 1412	FROM SR 1411 TO BRIDGE	0.7	20					15,064	14,784		
8SP.20764.16	Randolph	19	SR 1568	FROM SR 1566 TO SR 1567	1.5	20					32,280	31,680		
8SP.20764.16	Randolph	20	SR 2410	FROM SR 2410 TO ASHEBORO ST.	1.27	20					27,330	26,822		
8SP.20764.16	Randolph	21	SR 2641	FROM 1005 TO CHANGE IN PAVEMENT	0.87	20					18,722	18,374		
8SP.20764.16	Randolph	22	SR 2641	FROM PAVEMENT CHANGE TO NC 22	0.62	20					13,342	13,094		
8SP.20764.16	Randolph	23	SR 2641	FROM SR 1005 TO CHATHAM CO. LINE	2.16	20					46,483	45,619		
8SP.20764.16	Randolph	24	SR 2411	FROM SR 2407 TO 2410	1.49	20					32,065	31,469		
8SP.20764.16	Randolph	25	SR 1565	FROM SR 1564 TO SR 1566	1.25	20					26,900	26,400		
8SP.20764.16	Randolph	26	SR 1557	FROM SR 3252 TO SR 3106	0.8	20					17,216	16,896		
8SP.20764.16	Randolph	27	SR 2439	FROM SR 2438 TO SR 2459	1.12	20					24,102	23,654		
8SP.20764.16	Randolph	28	SR 2485	FROM SR 2484 TO SR 2484	0.36	20					7,747	7,603		
8SP.20764.16	Randolph	29	SR 2484	FROM NC 49 TO US 64	0.98	18					21,090	20,698		
8SP.20764.16	Randolph	30	SR 2533	FROM NC 49 TO SR 2484	0.026	18					560	549		
8SP.20764.16	Randolph	31	SR 2486	FROM NC 49 TO 2484	0.026	18					560	549		
8SP.20764.16	Randolph	32	SR 3127	FROM SR 1819 TO SR 1820	0.11	20								
8SP.20764.16	Randolph	33	SR 2495	FROM SR 2491 TO SR 2500	2.56	20					55,091	54,067		
8SP.20764.16	Randolph	34	SR 1490	FROM WCL ASHEBORO TO SR 1491	0.54	20								
8SP.20764.16	Randolph	35	SR 2159	FROM SR 2261 TO SR 2183	0.45	20					9,684	9,504		
8SP.20764.16	Randolph	36	SR 2459	FROM NC 49 TO SR 2440	4.9	20					105,448	103,488		
8SP.20764.16	Randolph	37	SR 2440	FROM SR 2459 TO SR 2442	0.6	20					12,912	12,672		
8SP.20764.16	Randolph	38	SR 2207	FROM US 64 TO SR 2235	1.99	16					42,825	42,029		
<b>TOTAL FOR PROJ NO. 8SP.20764.16</b>					<b>28.382</b>			<b>1</b>			<b>566,449</b>	<b>555,919</b>		
											<b>1,122,368</b>			
<b>GRAND TOTAL</b>					<b>61.678</b>			<b>1</b>	<b>353,748</b>	<b>2,555</b>	<b>240,563</b>	<b>735,435</b>	<b>699,292</b>	<b>2,517</b>
									<b>356,303</b>		<b>1,434,727</b>			

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

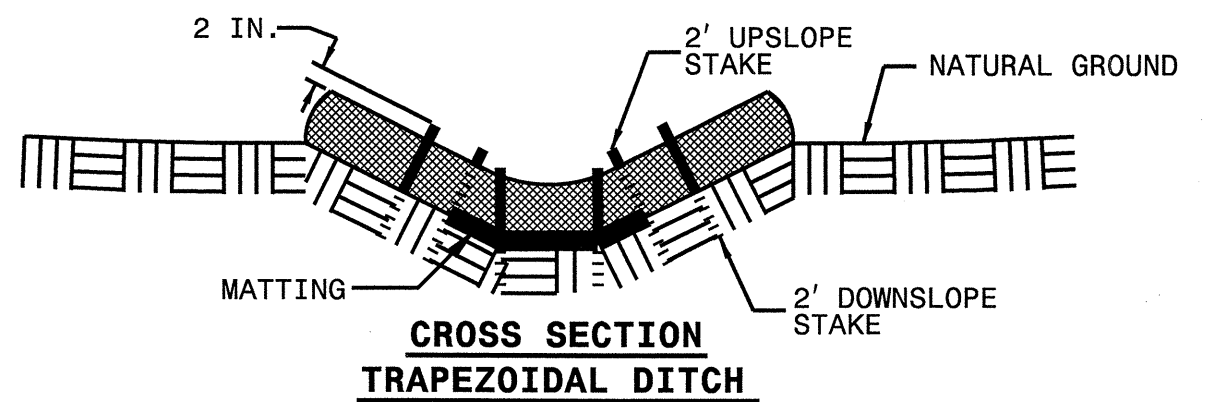
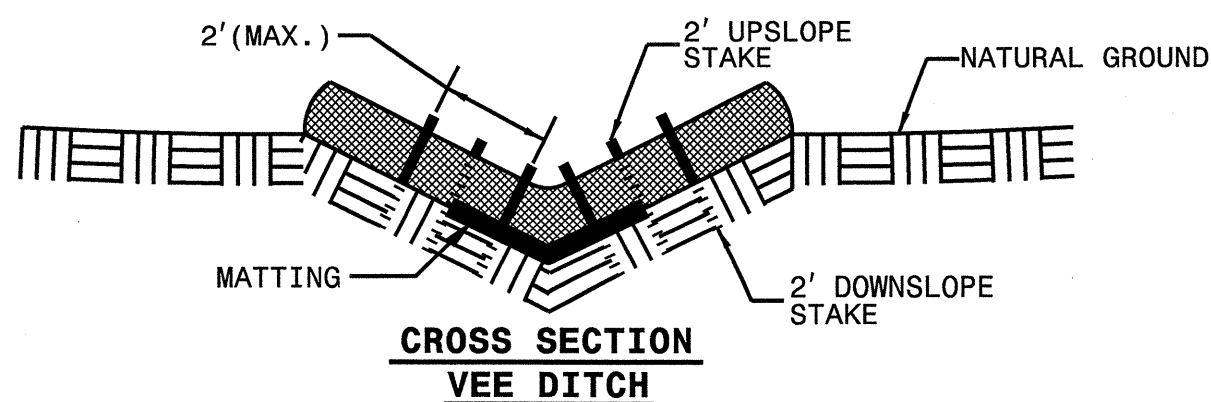
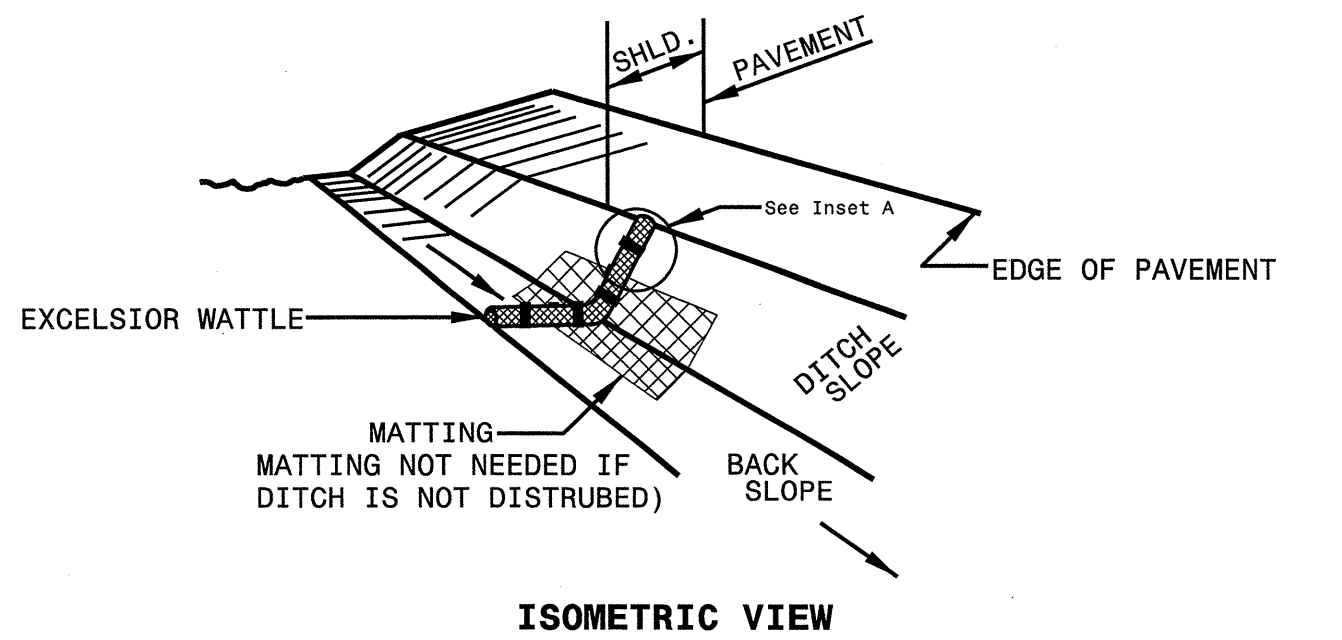
BMP Options: Wattle, Silt Fence, or Hardened Aggregate

# EROSION CONTROL DETAIL



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.

IF DITCH WILL BE DISTURBED, INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

