

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10901.29	l	
F.A. PROJECT NO.			



UNION COUNTY

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIMSION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #1 HWY 205 4.67 MILES

FROM THE PAVEMENT JOINT AT SR-1006 (OLIVE BRANCH RD) TO SR-1627 (NEW SALEM RD)

WINGATE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	
N.C.	IOCR.10901.30	2		
 F.A. PROJECT NO.				



UNION COUNTY

NORTH CAROLINA

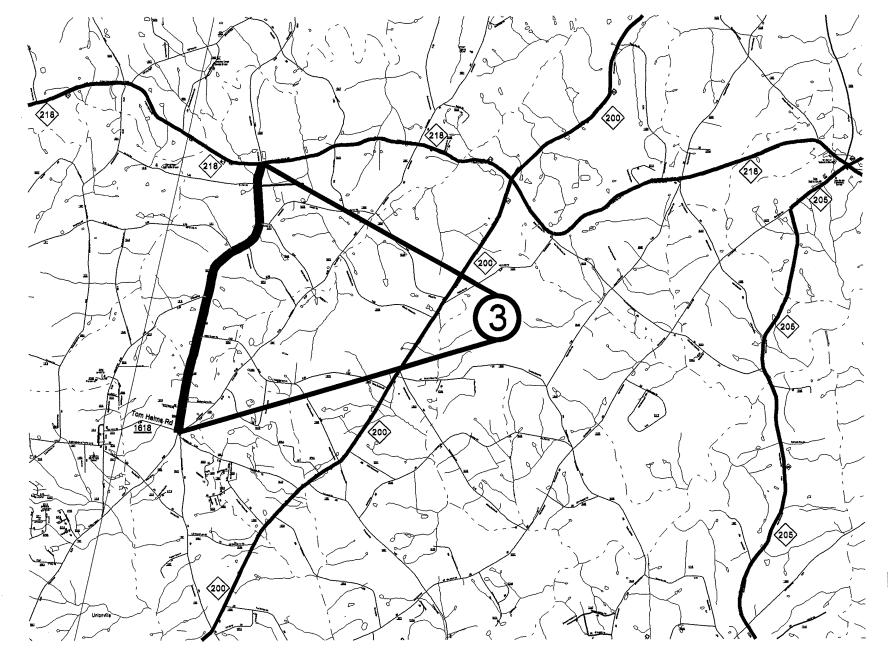
PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #2 US 74 WBL 2.46 MILES

FROM THE BEGINNING OF THE C&G TO THE END OF THE C&G IN THE CITY LIMITS OF MARSHVILLE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.2090I.72	3	
F.A. PRO	JECT NO.		





UNION COUNTY

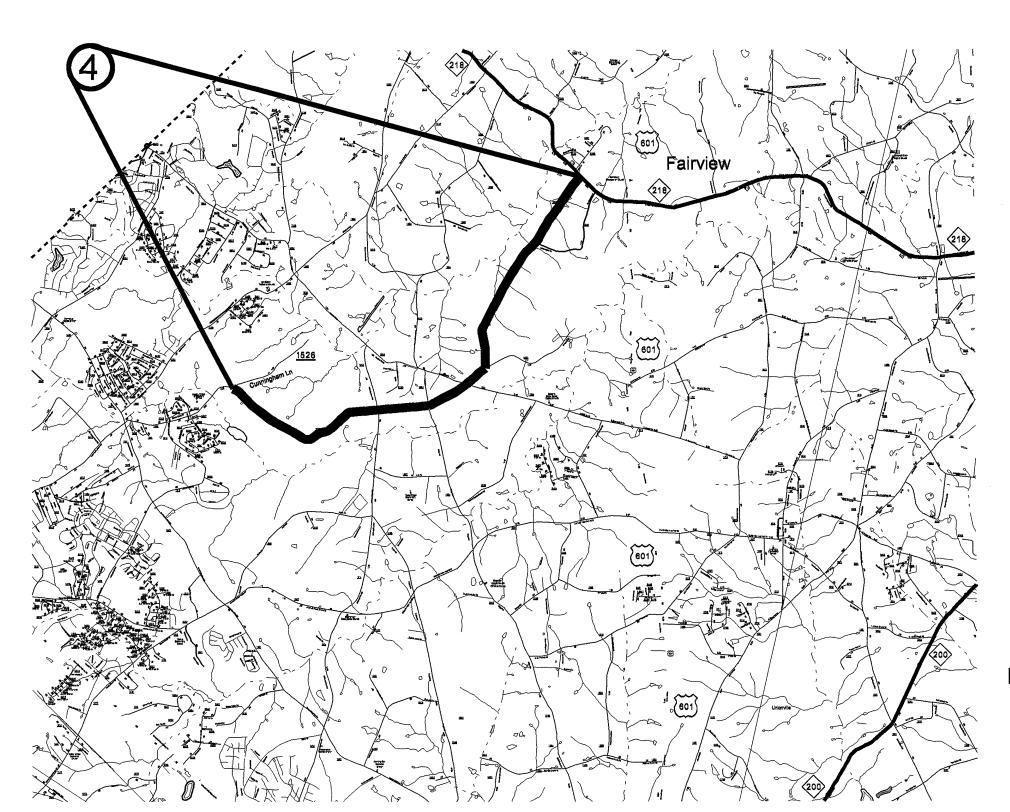
NORTH CAROLINA

PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #3 SR-1606 (SIKES MILL RD) 3.14 MILES

FROM THE PAVEMENT JOINT AT HWY 218 TO THE PAVEMENT JOINT AT SR-1618 (TOM HELMS RD)



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS		
N.C.	IOCR.2090I.73	4			
F.A. PROJECT NO.					



UNION COUNTY

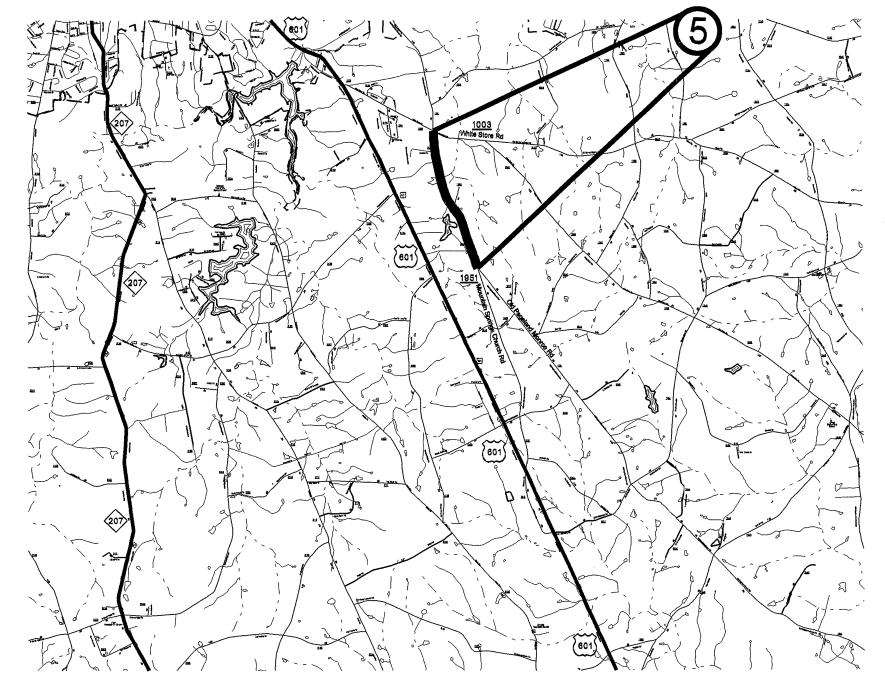
NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #4 SR-1520 (INDIAN TRAIL / FAIRVIEW RD) 5.15 MILES

FROM THE PAVEMENT JOINT AT HWY 218 TO THE PAVEMENT JOINT AT SR-1526 (CUNNINGHAM RD)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.2090I.74	5	
F.A. PRO			





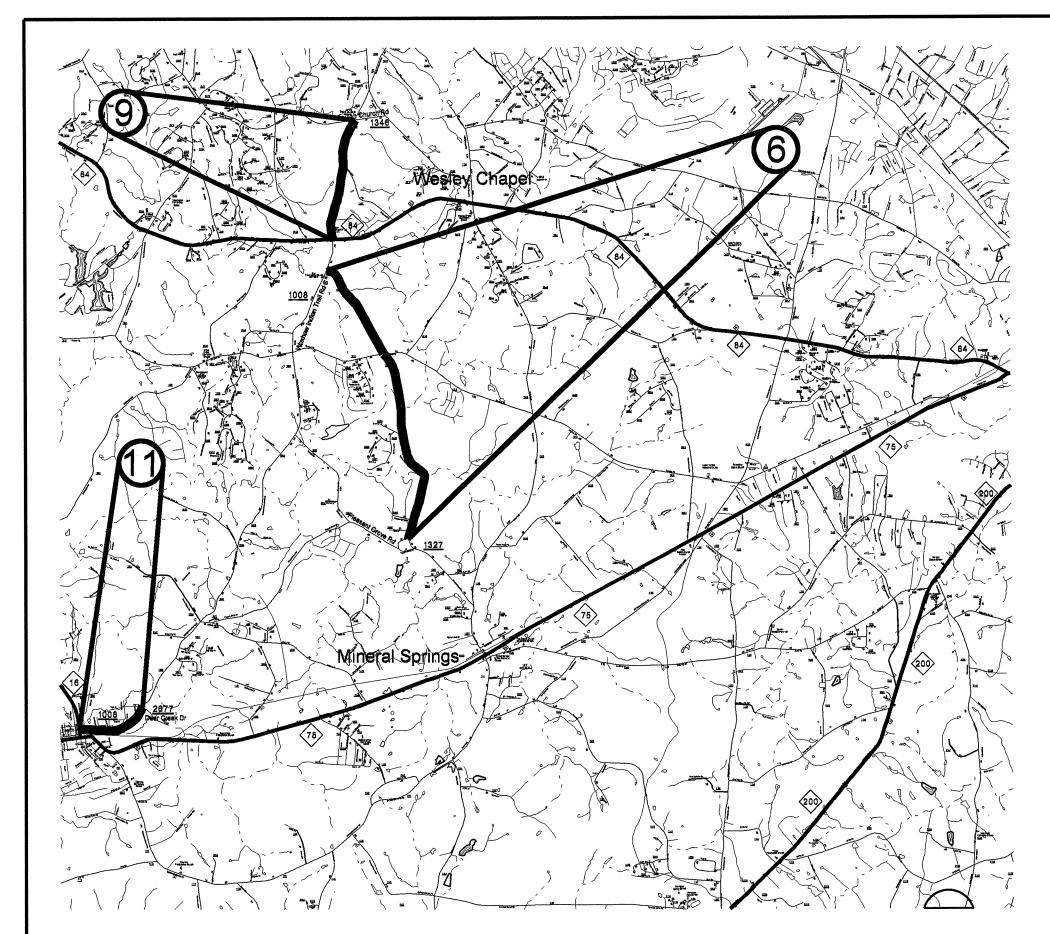
UNION COUNTY

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MAP #5 SR-1941 (OLD PAGELAND / MONROE RD) 1.37 MILES

FROM THE PAVEMENT JOINT AT SR-1003 (WHITE STORE RD) TO APPROX. 200' PAST SR-1951 (MT SPRINGS CH RD)



CTATE	PROJECT NO.	CUEET NO	TOTAL
STATE	IOCR.2090I.75	SHEET NO.	SHEETS
N.C.	IOCR.2090I.78	6	

F.A. PROJECT NO.



ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #6 SR-1329 (BILLY HOWIE RD) 2.16 MILES

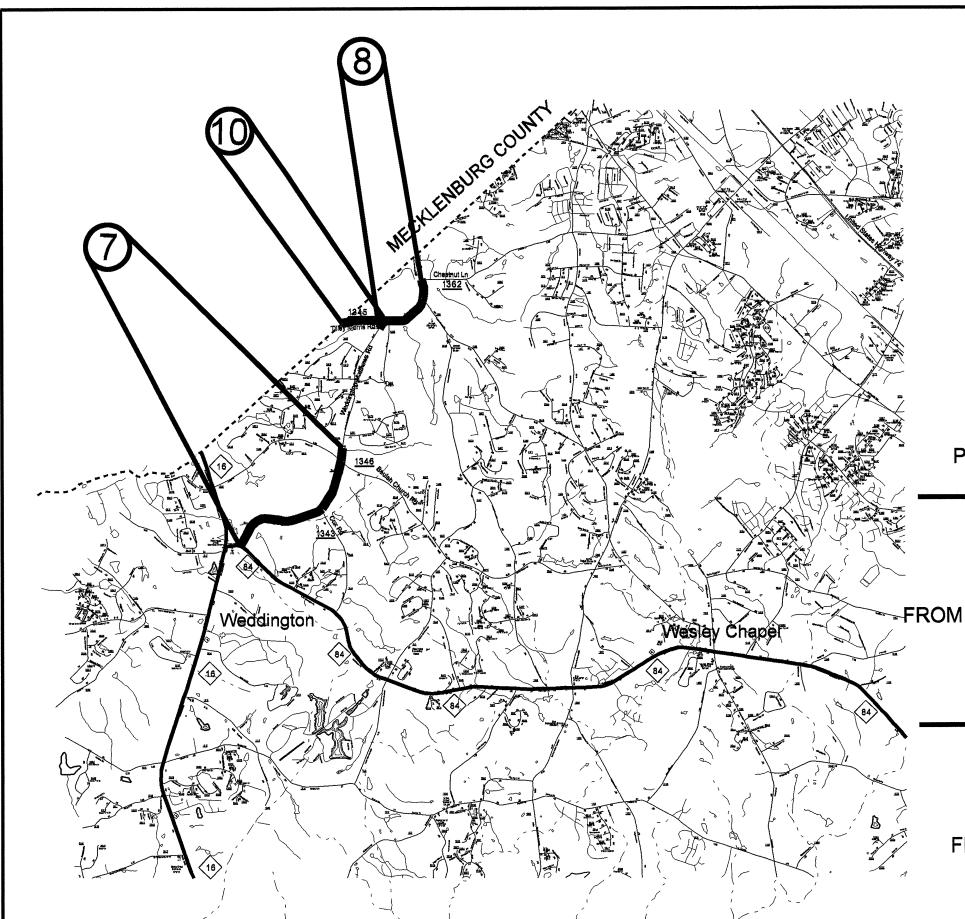
FROM SR-1327 (PLEASANT GROVE RD)
TO THE PAVEMENT JOINT AT SR-1008
(WAXHAW / INDIAN TRAIL RD)

MAP #9 SR-1008 (WAXHAW / INDIAN TRAIL RD) 0.75 MILES

FROM THE PAVEMENT JOINT NORTH OF HWY 84 TO THE PAVEMENT JOINT SOUTH OF SR-1346 (BEULAH CH RD)

> MAP #11 SR-1008 (WAXHAW / INDIAN TRAIL RD) 0.78 MILES

FROM THE PAVEMENT JOINT AT HWY 16 TO SR-2677 (DEER CREEK DR)



STA	ΓΕ	PROJECT NO. IOCR.2090I.76	SHEET I	٧٥.	TOTAL SHEETS
N.C		IOCR.2090I.77 IOCR.2090I.79	7		

F.A. PROJECT NO.



NLARGED MUNICIPAL AND SUBURBAN AREA

UNION COUNTY

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #7 SR-1344 (MATTHEWS / WEDDINGTON RD) 2.55 MILES

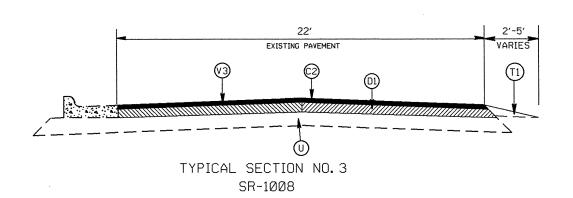
FROM APPROX 500' FROM HWY 84 TO THE PAVEMENT JOINT NEAR SR-1498 (AMANDA DR)

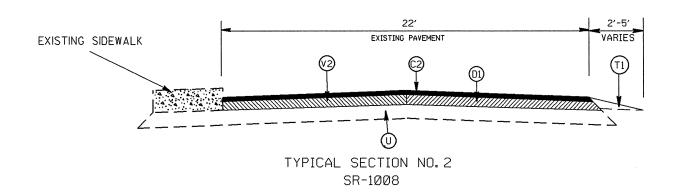
MAP #8 SR-1344 (MATTHEWS / WEDDINGTON RD) 0.53 MILES

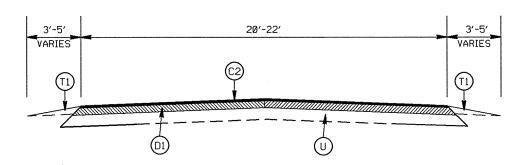
FROM THE PAVEMENT JOINT AT SR-1362 (CHESTNUT LN)
TO THE PAVEMENT JOINT PAST SR-1345
(TILLEY MORRIS RD) ON SR-1344
(MATTHEWS / WEDDINGTON RD)

MAP #10 SR-1345 (TILLEY MORRIS RD) 0.48 MILES

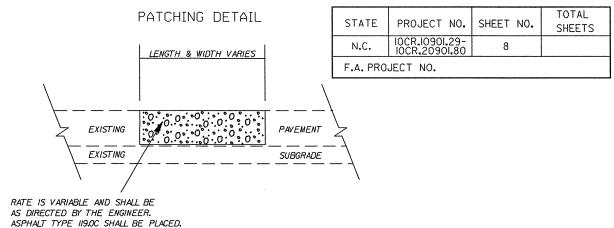
FROM SR-1344 (MATTHEWS / WEDDINGTON RD)
TO THE MECKLENBURG COUNTY LINE







TYPICAL SECTION NO.1 SR-1941 SR-1008 SR-1606



PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5' ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(2)	PROP. APPROX. 1.5' ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1)	PROP. APPROX. 5.0' ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
E2	PROP. APPROX. 8.0' ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(T1)	SHOULDER RECONSTRUCTION
(T2)	SHOULDER CONSTRUCTION
U	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" IN DEPTH
(V2)	MILLING OF EXISTING PAVEMENT, 2.5" IN DEPTH
(V3)	MILLING OF EXISTING PAVEMENT, 4" IN DEPTH
(V4)	MILLING 6" OF EXISTING PAVEMENT, 5" IN DEPTH. (SEE S.P. FOR 'TRENCHING FOR BASE COURSE BY MILLING.")
(V5)	MILLING 6" OF EXISTING PAVEMENT, 8" IN DEPTH. (SEE S.P. FOR 'TRENCHING FOR BASE COURSE BY MILLING.")

NOTES: I: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.

2: DO NOT RESURFACE OVER AREAS WITH NEW ASPHALT ON MAPS #4, #5, #6, #7, AND #8

3: MAPS *2 AND *6 CONTAIN TRAFFIC LOOPS. CONTACT DIVISION TRAFFIC SERVICES.

4: ON MAP *8, RESURFACE AROUND THE EXISTING CONCRETE ISLANDS TO THE

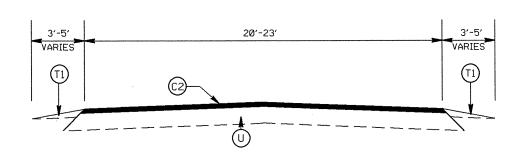
PAVEMENT JOINT ON SR-1344

(WAXHAW/INDIAN TRAIL RD)

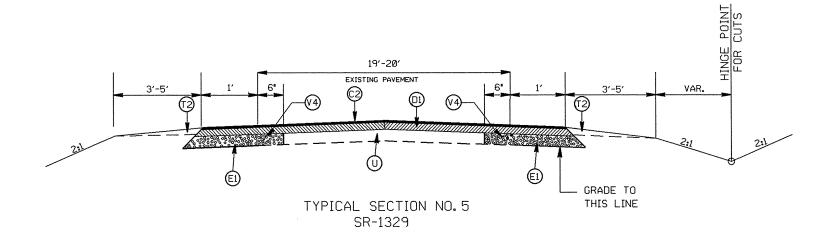
5: ON MAP *IO, DO NOT WIDEN THROUGH THE TURN LANE.

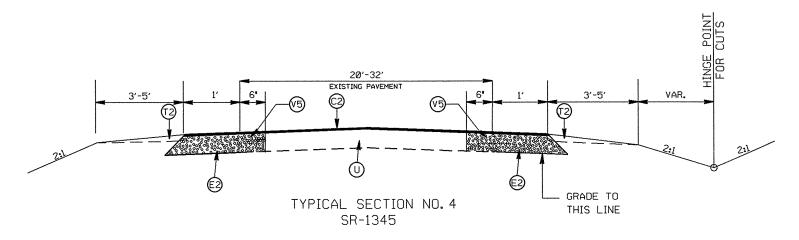
2012-2013 UNION COUNTY RESURFACING

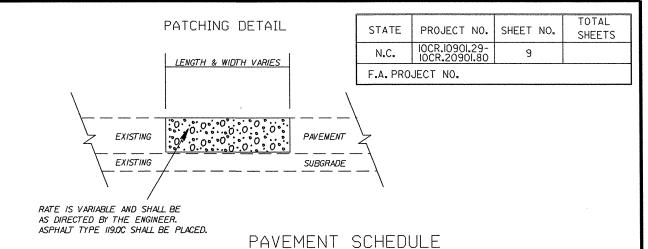




TYPICAL SECTION NO.6 SR-1520 SR-1344







PROP. APPROX. 1,5" ASPHALT CONC. SURFACE COURSE, TYPE S9,5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
PROP.APPROX.1.5" ASPHALT CONC.SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS.PER SQ.YD.
PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
PROP.APPROX.5.0" ASPHALT CONC.BASE COURSE,TYPE B25.0B,AT AN AVERAGE RATE OF 570 LBS.PER SG.YD.
PROP.APPROX.8.0" ASPHALT CONC.BASE COURSE,TYPE B25.0B,AT AN AVERAGE RATE OF 456 LBS.PER SG.YD.IN EACH OF TWO LAYERS.
SHOULDER RECONSTRUCTION
SHOULDER CONSTRUCTION
EXISTING PAVEMENT
MILLING OF EXISTING PAVEMENT, 1.5" IN DEPTH
MILLING OF EXISTING PAVEMENT, 2.5' IN DEPTH
MILLING OF EXISTING PAVEMENT, 4'IN DEPTH
MILLING 6"OF EXISTING PAVEMENT, 5'IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")
MILLING 6" OF EXISTING PAVEMENT, 8" IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")

NOTES: I: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.

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3: MAPS #2 AND #6 CONTAIN TRAFFIC LOOPS. CONTACT DIVISION TRAFFIC SERVICES.

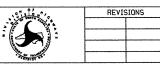
4: ON MAP #8, RESURFACE AROUND THE EXISTING CONCRETE ISLANDS TO THE

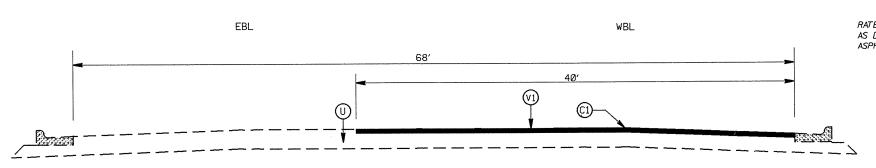
PAVEMENT JOINT ON SR-1344 (WAXHAW/INDIAN TRAIL RD)

5: ON MAP *IO, DO NOT WIDEN THROUGH THE TURN LANE.

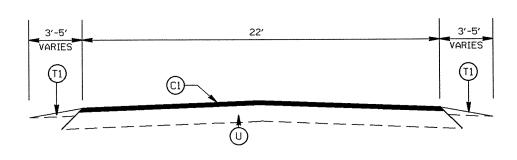
2012-2013 UNION COUNTY RESURFACING

SCALE -MADATE 1/12
DWG. BY JAB
DESIGN BY JAB
APPROVED JWU

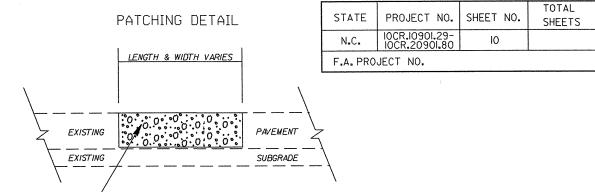




TYPICAL SECTION NO.8
HWY 74 WBL



TYPICAL SECTION NO.7
HWY 205



RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER. ASPHALT TYPE 119.0C SHALL BE PLACED.

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5' ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	
(C2)	PROP. APPROX. 1.5' ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.	
(D1)	PROP. APPROX. 2.5' ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.	
E1)	PROP. APPROX. 5.0' ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.	
E2	PROP. APPROX. 8.0" ASPHALT CONC. BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.	
(T1)	SHOULDER RECONSTRUCTION	
(12)	SHOULDER CONSTRUCTION	
U	EXISTING PAVEMENT	
(V1)	MILLING OF EXISTING PAVEMENT, 1.5' IN DEPTH	
(V2)	MILLING OF EXISTING PAVEMENT, 2.5" IN DEPTH	
(V3)	MILLING OF EXISTING PAVEMENT, 4" IN DEPTH	
(V4)	MILLING 6' OF EXISTING PAVEMENT, 5' IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")	
(V5)	MILLING 6' OF EXISTING PAVEMENT, 8' IN DEPTH. (SEE S.P. FOR "TRENCHING FOR BASE COURSE BY MILLING.")	

NOTES: I: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.

- 2: DO NOT RESURFACE OVER AREAS WITH NEW ASPHALT ON MAPS #4, #5, #6, #7, AND #8
- 3: MAPS #2 AND #6 CONTAIN TRAFFIC LOOPS, CONTACT DIVISION TRAFFIC SERVICES.
- 4: ON MAP *8, RESURFACE AROUND THE EXISTING CONCRETE ISLANDS TO THE

PAVEMENT JOINT ON SR-1344
(WAXHAW/INDIAN TRAIL RD)

5: ON MAP *IO, DO NOT WIDEN THROUGH THE TURN LANE.

2012-2013 UNION COUNTY RESURFACING

 SCALE
 -NA

 DATE
 1/12

 DWG, BY
 JAB

 DESIGN BY
 JAB

 APPROVED
 JWU



REVISIONS

PROJECT NO.	SHEET NO.	TOTAL NO.
10CR.10901.29 -	11	
10CR.20901.80, ETC.	11	

SUMMARY OF QUANTITIES

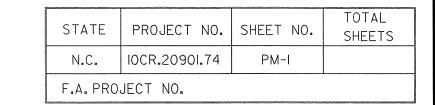
							IAI IAI L				<u> </u>		r		T	T		T		T
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	FINAL	AGGREGATE	LENGTH	FINAL	BORROW		INCIDENTAL	1	1	1½" MILLING	i .	2.5"	INCIDENTAL	BASE COURSE,	INTERMEDIATE
						SURFACE	SHOULDER		WIDTH		AGGREGATE	STONE BASE	CONSTRUCTI	1		MILLING	MILLING	MILLING	•	COURSE, I19.0B
		1 1				TESTING	BORROW						ON	CTION					B25.0B	
		1 1				REQUIRED	ALLOWED								674	674	ev.	SY	TONS	TONS
NO		NO			NO	 		MI	FT	СУ	TONS	TONS	SMI	SMI	SY	SY	SY	31	TONS	TONS
				FROM THE PAVEMENT JOINT AT SR-1006 (OLIVE BRANCH RD)					Ì											1
10CR.10901.29	Union	1	NC 205	TO SR-1627 (NEW SALEM RD)	7	NO	NO	4.67	22	500	90	240		9.34		ļ		75		
				FROM THE BEGINNING OF THE C&G TO THE END OF C&G IN																
10CR.10901.30	Union	2	US 74 WBL	THE CITY LIMITS OF MARSHVILLE. MILEPOST 20.4 - 22.9	8	NO	NO	2.46	40	240	75		ļ	ļ	57,800	 	ļ			
				FROM THE PAVEMENT JOINT AT HWY 218 TO THE PAVEMENT						4 005	100	400		6.20				50		5,775
10CR.20901.72	Union	3	SR-1606 (SIKES MILL RD)	JOINT AT SR-1618 (TOM HELMS RD) MILEPOST 4.0 - 7.0	1	YES	NO	3.14	20	1,025	100	190		6.30			<u> </u>	30		1 3,773
				FROM THE PAVEMENT JOINT AT HWY 218 TO THE PAVEMENT									1							
		1.1			,	NO	NO	5.15	20	500	200	340		10.30				150		
10CR.20901.73	Union	4	SR-1520 (INDIAN TRAIL/ FAIRVIEW RD)	JOINT AT SR-1526 (CUNNINGHAM RD) MILEPOST 0 - 5.2		NO	NO	. 3.13	20	- 300	1 200	- 540		1 20.50	<u> </u>		1			
				FROM THE PAVEMENT JOINT AT SR-1003 (WHITE STORE RD) TO APPROX 200' PAST SR-1951 (MT SPRINGS CH RD)																•
10CR.20901.74	Union	1 - 1	SR-1941 (OLD PAGELAND/ MONROE RD)	MILEPOST 7.5 - 6.0	1	YES	NO	1.37	22	500	50	84		2.74			· .	75		2,775
10CR.20901.74	Union	5	SR-1941 (OLD PAGELAND) MONROE RD)	FROM SR-1327 (PLEASANT GROVE RD) TO THE PAVEMENT		1123	110	1.5/	 	- 500		 			1				***************************************	
				JOINT AT SR-1008 (WAXHAW/ INDIAN TRAIL RD). MILEPOST 0							1	1								
10CR.20901.75	Union	6	SR-1329 (BILLY HOWIE RD)	-3.3	5	YES	NO	2.16	22	720	50	162	4.3					150	1,225	4,375
100/1120301.73	- Critical		011 2020 (01221 110 1112 110)	FROM APPROX 500' FROM HWY 84 TO THE PAVEMENT JOINT																İ
10CR.20901.76	Union	7	SR-1344 (MATTHEWS/WEDDINGTON RD)	AT MICHELLE CT. MILEPOST 3.9 - 0.5	6	NO	NO	2.55	20	275	50	200		5.10				100		
	l			FROM THE PAVEMENT JOINT AT SR-1362 (CHESTNUT LN) TO									1							
				THE PAVEMENT JOINT PAST SR-1345 (TILLEY MORRIS RD) ON																
10CR.20901.77	Union	8	SR-1344 (MATTHEWS/WEDDINGTON RD)	SR-1344 (MATTHEW/ WED. RD).	6	NO	NO	0.53	23	60		26		1.10			ļ	400		
														l				,		
				FROM THE PAVEMENT JOINT NORTH OF HWY 84 TO THE									İ			1	1	40		1,550
10CR.20901.78	Union	9	SR-1008 (WAXHAW/INDIAN TRAIL RD)	PAVEMENT JOINT SOUTH OF SR-1346 (BEULAH CHURCH RD)	1	YES	NO	0.75	22	300	20	50	-	1.50		<u> </u>	 	40		1,550
				FROM SR-1344 (MATTHEWS/ WEDDINGTON RD) TO THE							1	1	1				1	75	400	
10CR.20901.79	Union	10	SR-1345 (TILLEY MORRIS RD)	MECKLENBURG CO LINE. MILEPOST 0 - 0.5	4	NO	NO	0.48	22-32	50	15	12	1.0	-	_	+	-	1 /3	400	
				FROM THE PAVEMENT JOINT AT HWY 16 TO SR-2677 (DEER						1				0.50		E00	6 500			1,580
10CR.20901.80	Union	11	SR-1008 (WAXHAW/ INDIAN TRAIL RD)	CREEK DR) MILEPOST 0.0 - 0.78	1,2,3	YES	NO	0.78	22	100	 	30	 	0.60	F7.000	500	6,500 6,500	1,115	1,625	16,055
		GR	AND TOTAL			1	1	24.04	1	4,270	650	1,334	5.3	36.98	57,800	500	1 0,500	1,113	1,023	10,033

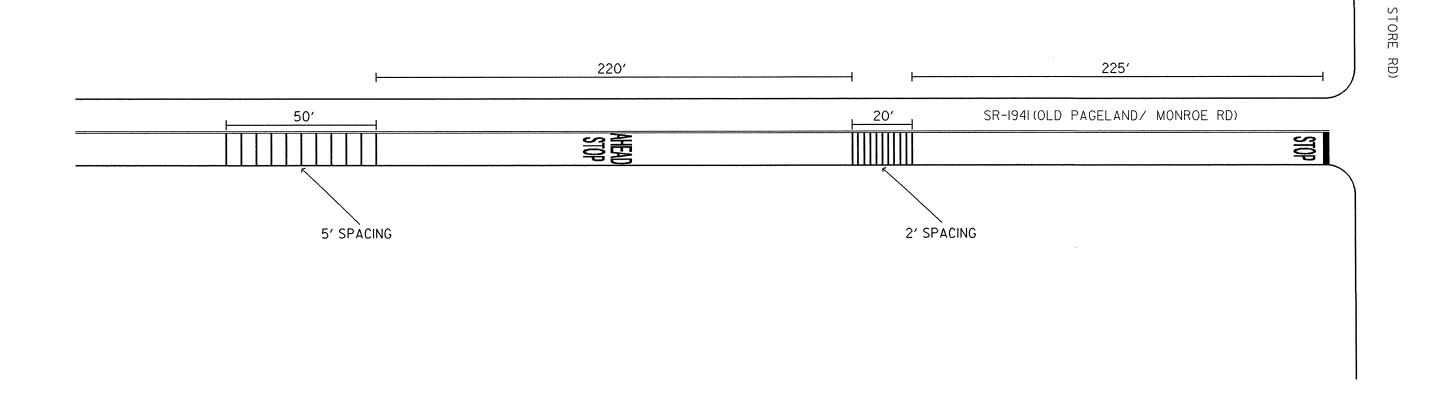
PROJECT	COUNTY	МАР	ROUTE	DESCRIPTION		SURFACE COURSE, S9.5C	LEVELING COURSE, \$9.5B	LEVELING COURSE, S9.5C	BINDER	PATCHING EXISTING PAVEMENT	1	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	1	TEMPORARY SILT FENCE	STONE FOR EROSION CONTROL, CLASS B	SEDIMENT CONTROL STONE	WATTLE	POLY- ACRYLAMIDE (PAM)	SEED & MULCHING
NO		NO			TONS	TONS	TONS	TONS	TONS	TONS	SY	EA	EA	LS	LF	TN	TN	LF	LB	AC
				FROM THE PAVEMENT JOINT AT SR-1006 (OLIVE BRANCH RD)																
10CR.10901.29	Union	1	NC 205	TO SR-1627 (NEW SALEM RD)		5,680		2,800	517	1,200	36	ļ	ļ		350	94	47	350	0.9	
				FROM THE BEGINNING OF THE C&G TO THE END OF C&G IN							l									
10CR.10901.30	Union	2	US 74 WBL	THE CITY LIMITS OF MARSHVILLE. MILEPOST 20.4 - 22.9		5,500		<u> </u>	325	525	 	1 1	1 1			<u> </u>				
				FROM THE PAVEMENT JOINT AT HWY 218 TO THE PAVEMENT	2.700				499	650	130			*	200	64	32	200	0.5	
10CR.20901.72	Union	3	SR-1606 (SIKES MILL RD)	JOINT AT SR-1618 (TOM HELMS RD) MILEPOST 4.0 - 7.0	3,700			 	499	650	130			 	200		- 52			
10CR.20901.73	Union	4	SR-1520 (INDIAN TRAIL/ FAIRVIEW RD)	FROM THE PAVEMENT JOINT AT HWY 218 TO THE PAVEMENT JOINT AT SR-1526 (CUNNINGHAM RD) MILEPOST 0 - 5.2	5,675		2,973		534	1,950	36				300	104	52	300	0.8	
10CR.20901.74	Union	E	SR-1941 (OLD PAGELAND/ MONROE RD)	FROM THE PAVEMENT JOINT AT SR-1003 (WHITE STORE RD) TO APPROX 200' PAST SR-1951 (MT SPRINGS CH RD) MILEPOST 7.5 - 6.0	1,610				230	575					200	28	14	200	0.5	
			<u> </u>	FROM SR-1327 (PLEASANT GROVE RD) TO THE PAVEMENT JOINT AT SR-1008 (WAXHAW/ INDIAN TRAIL RD). MILEPOST 0											150	44	22	150	0.4	2.1
10CR.20901.75	Union	6	SR-1329 (BILLY HOWIE RD)	- 3.3	2,690				425	500	54	-	 	-	150	44	22	130	0.4	2.1
10CR.20901.76	Union	7	SR-1344 (MATTHEWS/WEDDINGTON RD)	FROM APPROX 500' FROM HWY 84 TO THE PAVEMENT JOINT AT MICHELLE CT. MILEPOST 3.9 - 0.5	2,950		1,400		268	550	180			*	150	52	26	150	0.4	
10CR.20901.77	Union	8	SR-1344 (MATTHEWS/WEDDINGTON RD)	FROM THE PAVEMENT JOINT AT SR-1362 (CHESTNUT LN) TO THE PAVEMENT JOINT PAST SR-1345 (TILLEY MORRIS RD) ON SR-1344 (MATTHEW/ WED. RD).	840		230		65	75			2	*	40	12	6	40	0.1	
			CD 1000 (WAYLIAW/INDIAN TDAIL DD)	FROM THE PAVEMENT JOINT NORTH OF HWY 84 TO THE PAVEMENT JOINT SOUTH OF SR-1346 (BEULAH CHURCH RD)	960				132	300	80				50	16	8	50	0.2	
10CR.20901.78	Union	9	SR-1008 (WAXHAW/INDIAN TRAIL RD)	FROM SR-1344 (MATTHEWS/ WEDDINGTON RD) TO THE	300	1	-	 	132	300	+	†	1		 				<u> </u>	
10CR.20901.79	Union	10	SR-1345 (TILLEY MORRIS RD)	MECKLENBURG CO LINE. MILEPOST 0 - 0.5	750		220		77	170	36			*	30	10	5	30	0.1	0.3
10011.20301.73	0111011	++-	on 1949 (TREET MONITORIES	FROM THE PAVEMENT JOINT AT HWY 16 TO SR-2677 (DEER	1	 		 	1											
10CR.20901.80	Union	11	SR-1008 (WAXHAW/ INDIAN TRAIL RD)	CREEK DR) MILEPOST 0.0 - 0.78	975				134	300		6	9		1	6	3	20	0.1	
		GR	RAND TOTAL		20,150	11,180	4,823	2,800	3,206	6,795	552	7	12	1	1,470	430	215	1,490	4	2.4

PROJECT NO.	SHEET NO.	TOTAL NO.
10CR.10901.29 -	12	
10CR.20901.80, ETC.	12	

THERMOPLASTIC AND PAINT QUANTITIES

					r			,							1 Q 0				\ E	477500	20000 F	401000	0000 F	402000	10000 F	4835000000-E	400000	00000-N
			no	Droop(PTIO)	LENGT		4399000000-N		00000-E	468600		4690000000-E 6" X 120 M				4891000000-E THERMO-		721000000		472500		481000 4" YELLOW		482000 8"	8"	24" WHITE		CRYSTAL &
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	LENGTH	WIDTH	TEMPORARY TRAFFIC CONTROL	WHITE	YELLOW	YELLOW	4" X 120 M WHITE THERMO	WHITE THERMO	YELLOW		WHITE	PLASTIC RUMBLE STRIP (4"240 MILS)	MSG STOP 120 M	MSG	MSG	LT ARROW 90 M	RT ARROW 90 M	PAINT	WHITE		YELLOW	PAINT	YELLOW MARKERS	RED
NO		NO					LS	LF	LF	LF	LF	ĹF	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	EA	EA
10CR.10901.29	Union	1	NC 205	FROM THE PAVEMENT JOINT AT SR-1006 (OLIVE BRANCH RD) TO SR- 1627 (NEW SALEM RD)	4.67	22		49,500		46,000					30		4					36,000					310	
10CR.10901.30	Union	2	US 74 WBL	FROM THE BEGINNING OF THE C&G TO THE END OF C&G IN THE CITY LIMITS OF MARSHVILLE. MILEPOST 20.4 - 22.9	2.46	40			200	17,000	4,000	160	100		500			18		70		17,000	4,000	160	200	350	175	225
10CR.20901.72	Union	3	SR-1606 (SIKES MILL RD)	FROM THE PAVEMENT JOINT AT HWY 218 TO THE PAVEMENT JOINT AT SR-1618 (TOM HELMS RD) MILEPOST 4.0 - 7.0	3.14	20	*	33,500		28,000					150		12	12	5			33,500					220	
10CR.20901.73	Union	4	SR-1520 (INDIAN TRAIL/ FAIRVIEW RD)	FROM THE PAVEMENT JOINT AT HWY 218 TO THE PAVEMENT JOINT AT SR-1526 (CUNNINGHAM RD) MILEPOST 0 - 5.2	5.15	20		54,500		49,700																	360	
10CR.20901.73			SR-1941 (OLD PAGELAND/ MONROE RD)	FROM THE PAVEMENT JOINT AT SR-1003 (WHITE STORE RD) TO APPROX 200' PAST SR-1951 (MT SPRINGS CH RD) MILEPOST 7.5 - 6.0	1.37	22		34,300		43,700					50	300		6				42,000	14,800				100	
10CR.20901.75	Union	6	SR-1329 (BILLY HOWIE RD)	FROM SR-1327 (PLEASANT GROVE RD) TO THE PAVEMENT JOINT AT SR-1008 (WAXHAW/ INDIAN TRAIL RD). MILEPOST 0 - 3.3		20		23,500		19,800					90		8		10			23,000					150	
10CR.20901.76	Union	7	SR-1344 (MATTHEWS/ WEDDINGTON RD)	FROM APPROX 500' FROM HWY 84 TO THE PAVEMENT JOINT AT MICHELLE CT. MILEPOST 3.9 - 0.5		20	*	27,300		26,300												20,000					170	
10CR.20901.77	Union	8	SR-1344 (MATTHEWS/ WEDDINGTON RD)	FROM THE PAVEMENT JOINT AT SR-1362 (CHESTNUT LN) TO THE PAVEMENT JOINT PAST SR-1345 (TILLEY MORRIS RD) ON SR-1344 (MATTHEW/ WED. RD).	0.53	23	*	5,700		5,700	250			400							1						36	
10CR.20901.78	Union	9	SR-1008 (WAXHAW/INDIAN TRAIL RD)	FROM THE PAVEMENT JOINT NORTH OF HWY 84 TO THE PAVEMENT JOINT SOUTH OF SR- 1346 (BEULAH CHURCH RD)	0.75	22		8,100		7,050												7,940					50	
10CR.20901.79			SR-1345 (TILLEY MORRIS RD)	FROM SR-1344 (MATTHEWS/ WEDDINGTON RD) TO THE MECKLENBURG CO LINE. MILEPOST 0 - 0.5	0.48	20	*	5,200		6,700	250		100							2							50	20
10CR.20901.80	Union		SR-1008 (WAXHAW/ INDIAN TRAIL RD)	FROM THE PAVEMENT JOINT AT HWY 16 TO SR-2677 (DEER CREEK DR) MILEPOST 0.0 - 0.78	0.78	22		8300		8300									15			24,900	16,600 35,400		200	60 410	52 1,673	245
	GRAN	ND TOTA	L		24.04	 	1	215,600	200 5,800		4,500 0,050	160	200	400	820	300	24	36 75	15	72	1 73		35,400 9,740		360	+10		,918





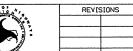
THERMO CHARACTERS SHALL BE PLACED PER SECTION 1205.08

OF THE 2012 NCDOT ROADWAY STANDARD DRAWINGS.

\$R-1941 (OLD PAGELAND/ MONROE RD) 4° X 240 MIL WHITE THERMO RUMBLE STRIP DETAIL

SCALE	-NA-
DATE	1/12
DWG. BY	JAB
DESIGN BY	SME
APPROVED	JWU



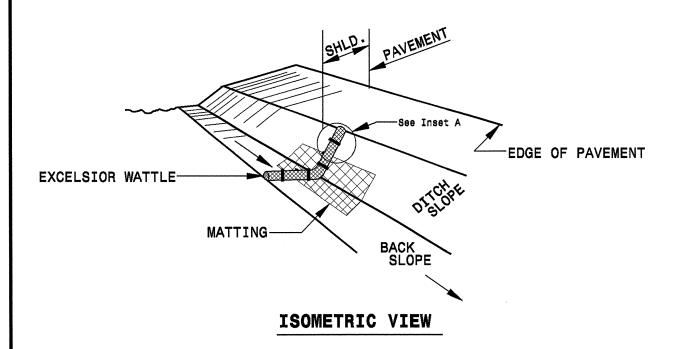


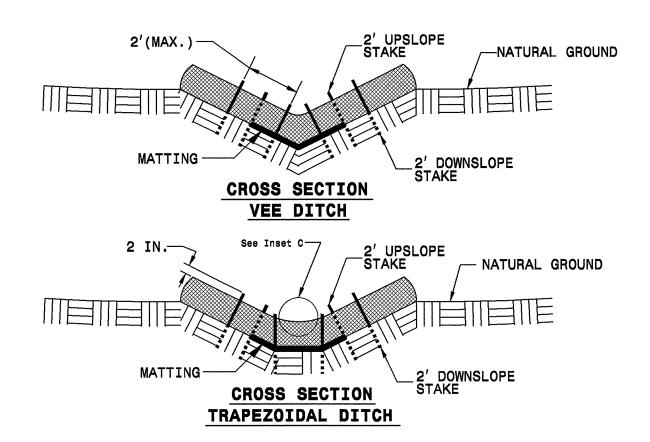
SR-1003

(WHITE

PROJECT REFERENCE NO. SHEET NO. NOTES: Less than 5' — 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP. IOCR.10901.29, ETC EC-I EROSION CONTROL DETAIL BMP Options: Wattle or Silt Fence < 5' - 10' Undisturbed buffer add BMP Pipe/Culvert < 5' - 10' Undisturbed buffer from < 5' - 10' Undisturbed buffer from jurisdictional feature add BMP Undisturbed Area ditchline, add BMP Undisturbed Area Disturbed Area E0P EOP Jurisdictional Feature Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed Disturbed Area Disturbed Area E0P E0P < 5' - 10' Undisturbed buffer from inlet, add wattle *EOP EOP* NOT TO SCALE Wattle Drainage Inlet

WATTLE WITH POLYACRYLAMIDE DETAIL





NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

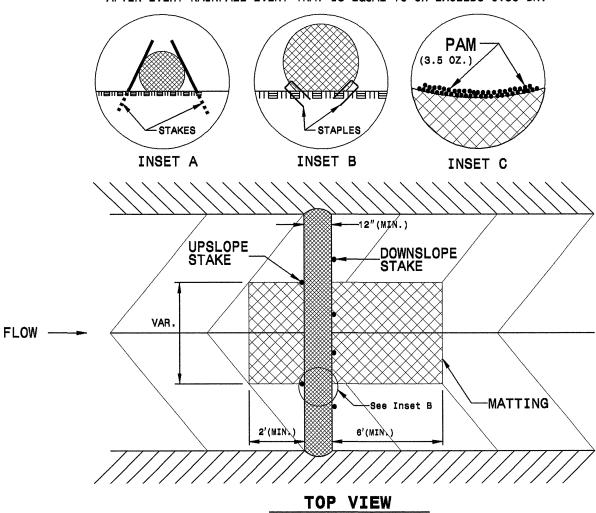
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

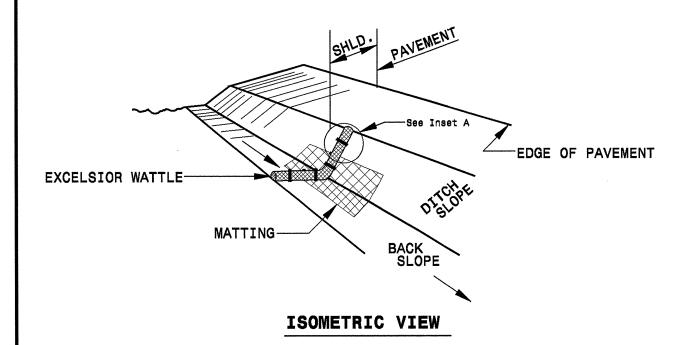
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

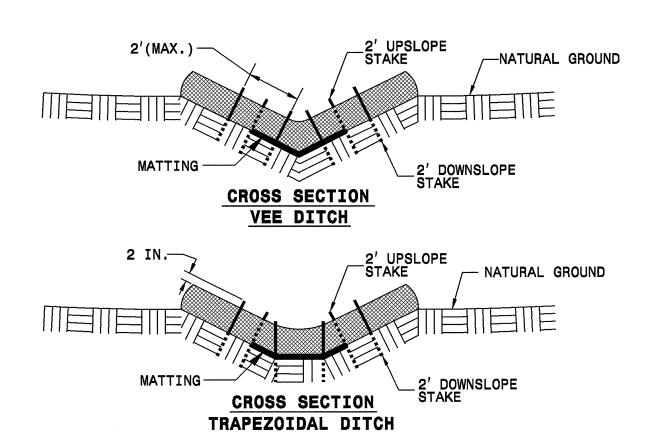
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



WATTLE DETAIL





NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

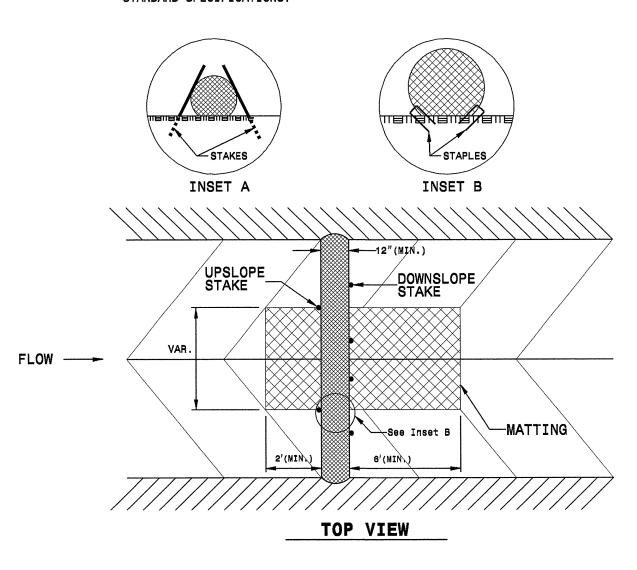
USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.

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.

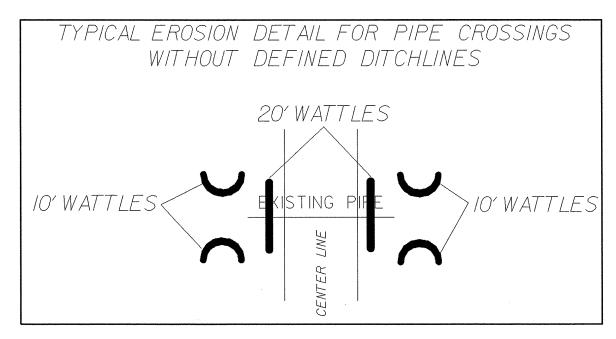
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



GENERAL EROSION DETAILS

Charles of the Control of the Contro	STATE	PROJECT I	NO.	SHEET	NO.	TOTAL SHEETS
	N.C.	IOCR.10901.29,	ETC	EC-	4	
	F.A. PRO	JECT NO.				



2012 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch

N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO. TITLE
DIVISION 16 - EROSION CONTROL AND ROADSIDE DEVELOPMENT
1633.01 Temporary Rock Silt Check Type A

TYPICAL EROSION DETAIL FOR PIPE CROSSINGS WITH A DEFINED DITCHLINES 10' WATTLES-20' WATTLES W/PAMTemporary Rock **Temporary Rock** Silt Check Type A Silt Check Type A (ISTING 1 ft, weir height 1 ft. weir height LINE 10' WATTLES W/PAM

NOTES: FIELD MODIFICATIONS MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

WATTLE LENGTHS MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.

EROSION CONTROL MATTING SHALL BE USED IN THE CONSTRUCTION OF DITCHLINE WATTLES. SEE SHEET EC-2

POLYACRYLAMIDE (PAM) SHOULD NOT BE USED ON WATTLES THAT WILL OUTLET DIRECTLY TO JURISDICTIONAL STREAMS.

GENERAL EROSION DETAILS

SCALE -NADATE 12/10
DWG, BY JAB
DESIGN BY JAB