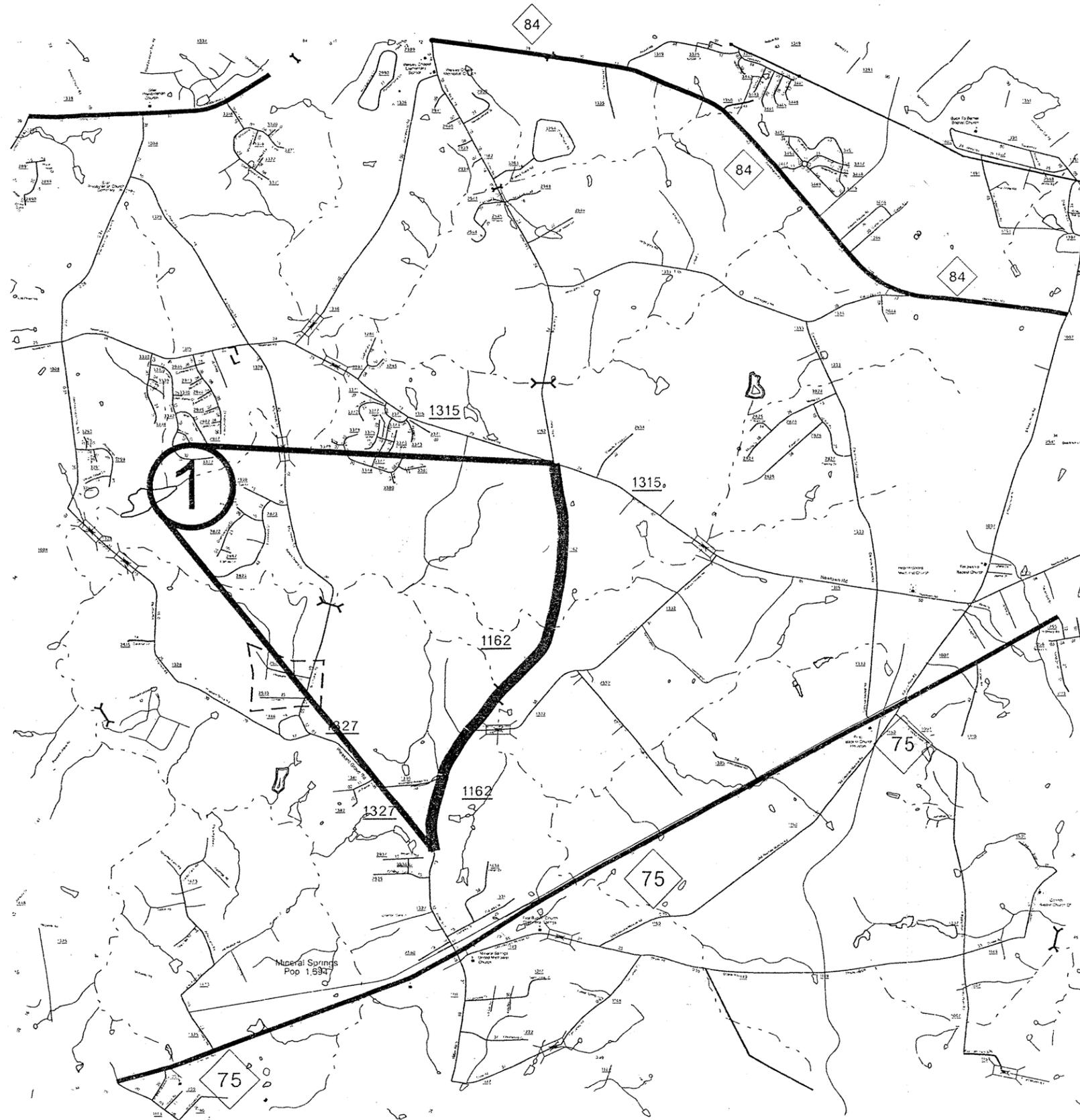


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		1	
F.A. PROJECT NO.			

10CR.10901.21
 10CR.20901.52
 10CR.20901.55



ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - GIS UNIT

IN COOPERATION WITH THE
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

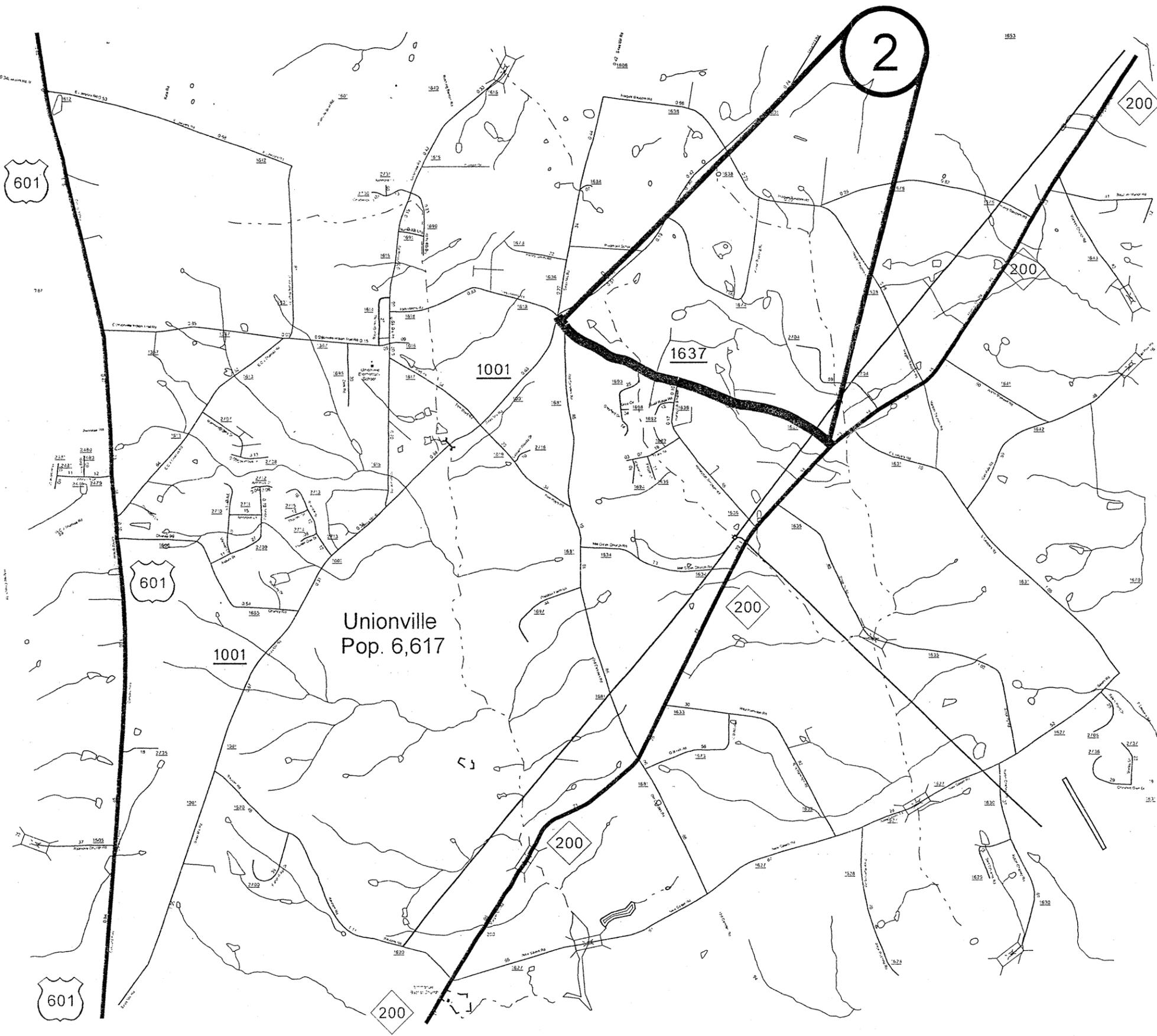


SR-1162 (POTTERS RD.)

FROM PAVEMENT JOINT AT SR-1315
 (NEW TOWN RD.) TO SR-1327
 (PLEASANT GROVE RD.)

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

10CR.10901.21
 10CR.20901.52
 10CR.20901.55



ENLARGED MUNICIPAL AND SUBURBAN AREAS
UNION COUNTY
 NORTH CAROLINA
PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - GIS UNIT
IN COOPERATION WITH THE
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 SCALE
 0 1 MILES

SR-1637 (LAWYERS RD.)
FROM NC HWY 200 TO PAVEMENT JOINT
AT SR-1001 (SIKES MILL RD.)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		3	
F.A. PROJECT NO.			

10CR 10901.21
 10CR 20901.52
 10CR 20901.55



ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - GIS UNIT

IN COOPERATION WITH THE
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

SCALE



HWY 16 NORTH

FROM PAVEMENT JOINT AT SR-1008
 (HOWIE MINE RD.) TO PAVEMENT JOINT
 APPROX 3,450' SOUTH OF SR-1315
 (NEWTOWN RD.)

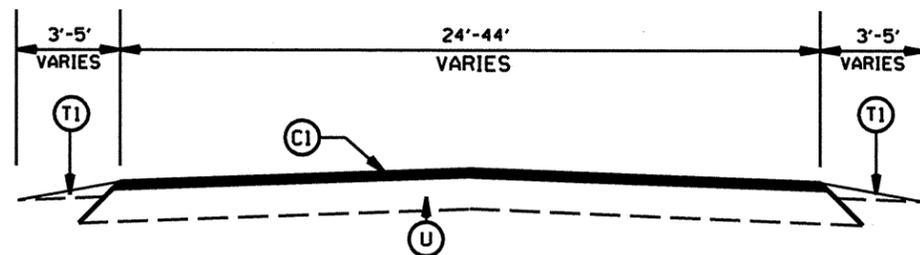
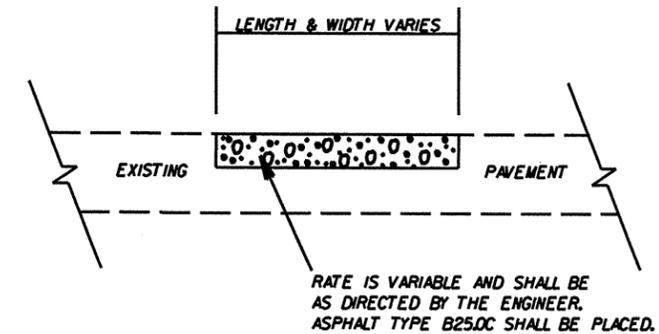
NOTE: EXCLUDE THE 3,500' SECTION AT
 PAVEMENT JOINTS APPROX 1,000' SOUTH OF
 SR-1321 (CUTHBERTSON RD) AND APPROX
 2,200' NORTH OF SR-1321 (CUTHBERTSON RD)



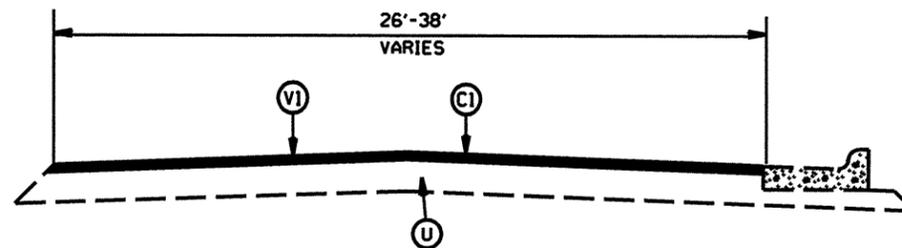
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		4	
F.A. PROJECT NO.			

IOCR.10901.21
IOCR.20901.52
IOCR.20901.55

PATCHING DETAIL



TYPICAL SECTION NO. 6



TYPICAL SECTION NO. 5

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 I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(T1)	SHOULDER RECONSTRUCTION
(T2)	SHOULDER CONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING EXISTING PAVEMENT, 1.5" IN DEPTH
(V2)	MILLING 6" OF EXISTING PAVEMENT, 5" IN DEPTH (PAYMENT IS INCIDENTAL TO TRENCHING)

NOTES: 1: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.

2: DO NOT OVERLAY OVER BRIDGE ON MAP * 3 HWY 16 NORTH.

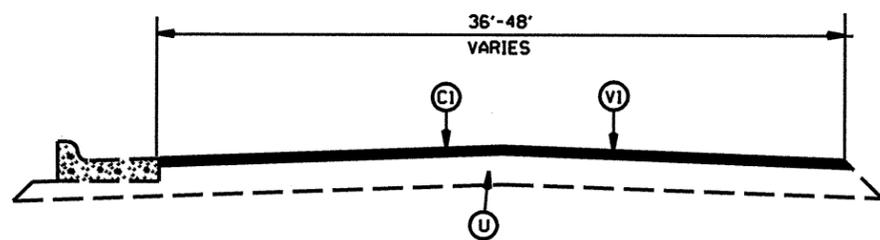
3: DO NOT OVERLAY SECTION ON MAP * 3 HWY 16 NORTH APPROX 2,200' NORTH OF SR-1321 (CUTHBERTSON RD) TO APPROX 1,000 SOUTH OF SR-1321 (CUTHBERTSON RD)

2010 UNION COUNTY
RESURFACING

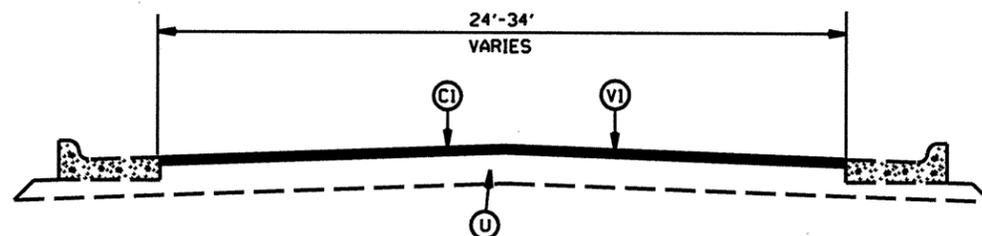
SCALE	-NA-		REVISIONS
DATE	01/10		
DWG. BY	JAB		
DESIGN BY	JAB		
APPROVED	JWJ		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		5	
F.A. PROJECT NO.			

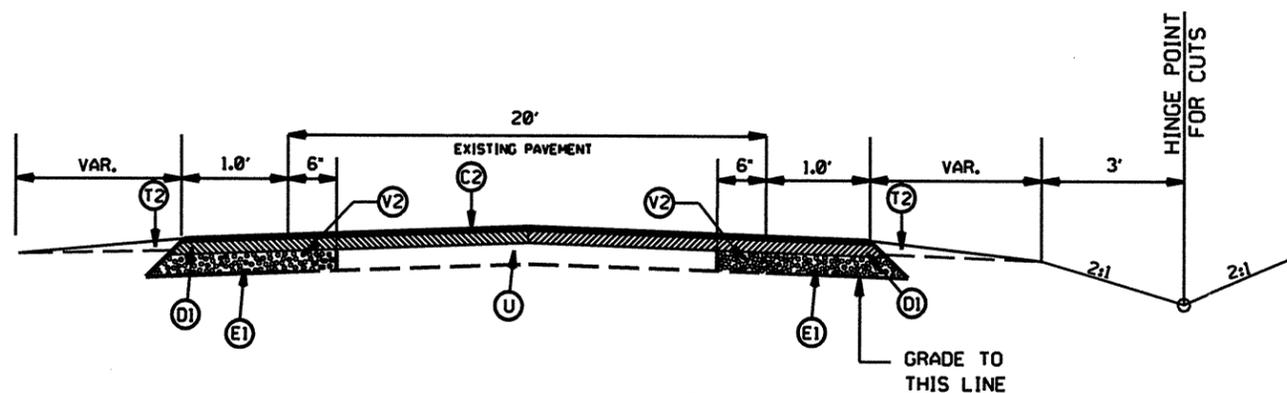
IOCR.10901.21
IOCR.20901.52
IOCR.20901.55



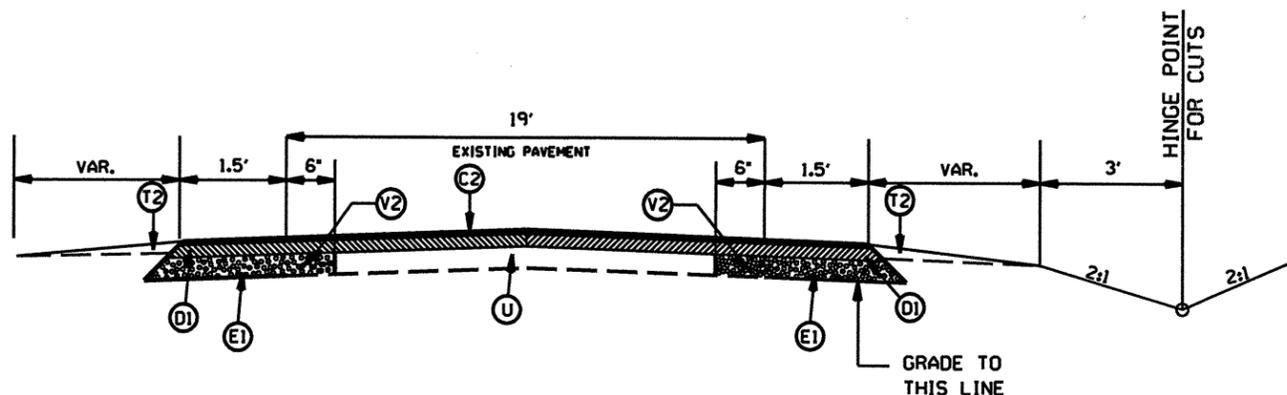
TYPICAL SECTION NO. 4



TYPICAL SECTION NO. 3

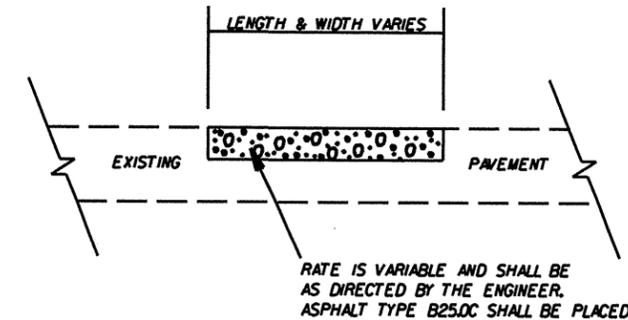


TYPICAL SECTION NO. 2



TYPICAL SECTION NO. 1

PATCHING DETAIL



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 I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(T1)	SHOULDER RECONSTRUCTION
(T2)	SHOULDER CONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING EXISTING PAVEMENT, 1.5" IN DEPTH
(V2)	MILLING 6" OF EXISTING PAVEMENT, 5" IN DEPTH (PAYMENT IS INCIDENTAL TO TRENCHING)

NOTES: 1: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.

2: DO NOT OVERLAY OVER BRIDGE ON MAP * 3 HWY 16 NORTH.

3: DO NOT OVERLAY SECTION ON MAP * 3 HWY 16 NORTH APPROX 2,200' NORTH OF SR-1321 (CUTHBERTSON RD) TO APPROX 1,000 SOUTH OF SR-1321 (CUTHBERTSON RD)

2010 UNION COUNTY
RESURFACING

SCALE	DATE	DWG. BY	DESIGN BY	APPROVED	REVISIONS
-NA-	01/10	JAB	JAB	JMU	



PROJECT NO.	SHEET NO.	TOTAL NO.
10CR.20901.52, 10CR.20901.55 & 10CR.10901.21	6	

SUMMARY OF QUANTITIES

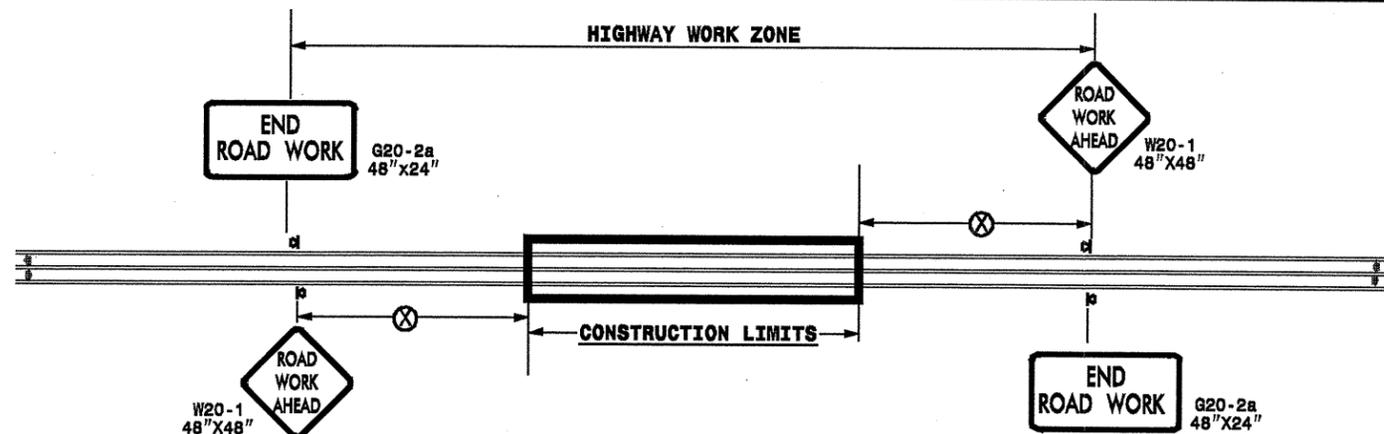
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	STABILIZER AGGREGATE TONS	INCIDENTAL STONE BASE TONS	SHOULDER CONSTRUCTION SMI	SHOULDER RECONSTRUCTION SMI	BORROW EXCAVATION CY	DITCHING LF	1 1/2" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0C TONS
10CR.20901.52	Union	1	SR-1162 (POTTERS RD.)	FROM PAVEMENT JOINT AT SR-1315 (NEW TOWN RD.) TO SR-1327 (PLEASANT GROVE RD.)	1	NO	2.25	19	160	120	4.5			675		25	1915
10CR.20901.55	Union	2	SR-1637 (LAWYERS RD.)	FROM NC HWY 200 TO PAVEMENT JOINT AT SR-1001 (SIKES MILL RD.)	2	NO	1.44	20	110	100	3			432		30	1030
10CR.10901.21	Union	3	NC HWY 16 N	FROM PAVEMENT JOINT AT SR-1008 (HOWIE MINE RD.) TO PAVEMENT JOINT APPROX 3,450' SOUTH OF SR-1315 (NEWTOWN RD.)	3,4,5,6	NO	3.27	36	190	125		5	100	375	13750	96	
GRAND TOTAL							6.96	36	460	345	7.5	5	100	1482	13750	151	2945

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	INTERMEDIATE COURSE, I19.0C TONS	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	LEVELING COURSE, S9.5C TONS	PG 64-22 PLANT MIX TONS	PG 70-22 PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	6" DRIVEWAYS SY	ADJ. OF METER OR VALVE BOX EA	TEMPORARY SILT FENCE LF	STONE FOR EROSION CONTROL, CLASS B TN	SEDIMENT CONTROL STONE TN	SEED & MULCHING AC
10CR.20901.52	Union	1	SR-1162 (POTTERS RD.)	FROM PAVEMENT JOINT AT SR-1315 (NEW TOWN RD.) TO SR-1327 (PLEASANT GROVE RD.)	4150	2550			431		795	72		675	70	35	2.2
10CR.20901.55	Union	2	SR-1637 (LAWYERS RD.)	FROM NC HWY 200 TO PAVEMENT JOINT AT SR-1001 (SIKES MILL RD.)	2665	1655			269		515	72		432	48	24	1.4
10CR.10901.21	Union	3	NC HWY 16 N	FROM PAVEMENT JOINT AT SR-1008 (HOWIE MINE RD.) TO PAVEMENT JOINT APPROX 3,450' SOUTH OF SR-1315 (NEWTOWN RD.)			5275	885		370	950		4	375	50	25	2.4
GRAND TOTAL					6815	4205	5275	885	700	370	2260	144	4	1482	168	84	6

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4685000000-E	4686000000-E		4695000000-E	4710000000-E	4725000000-E		4810000000-E	4900000000-N	
					4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	8" X 90 M YELLOW THERMO LF	24" X 120 M WHITE THERMO LF	THERMO LT ARROW 90 M EA	THERMO RT ARROW 90 M EA	4" YELLOW PAINT LF	YELLOW & YELLOW MARKERS EA	CRYSTAL & RED MARKERS EA
10CR.20901.52	Union	1	SR-1162 (POTTERS RD.)	FROM PAVEMENT JOINT AT SR-1315 (NEW TOWN RD.) TO SR-1327 (PLEASANT GROVE RD.)	23,762	21,000						45,745	298	
10CR.20901.55	Union	2	SR-1637 (LAWYERS RD.)	FROM NC HWY 200 TO PAVEMENT JOINT AT SR-1001 (SIKES MILL RD.)	15,222	15,222			28			29,303	191	
10CR.10901.21	Union	3	NC HWY 16 N	FROM PAVEMENT JOINT AT SR-1008 (HOWIE MINE RD.) TO PAVEMENT JOINT APPROX 3,450' SOUTH OF SR-1315 (NEWTOWN RD.)	26,250	36,000	2,100	313	110	27	5	15,900	495	95
GRAND TOTAL					65,234	72,222	2,100	313	138	27	5	90,948	984	95
					74,322					32		1079		

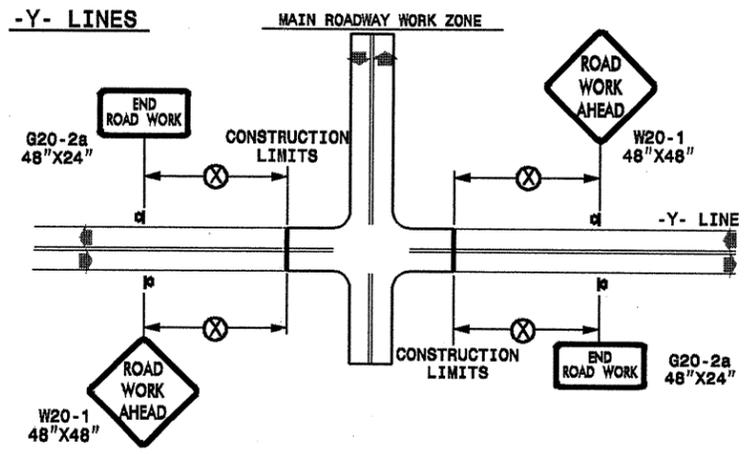
TWO-WAY UNDIVIDED ** (L-LINES)



POSTED SPEED LIMIT (M.P.H.)	RECOMMENDED MINIMUM SIGN SPACING
≤ 50	500'
≥ 55	1000'

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)



GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCE WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

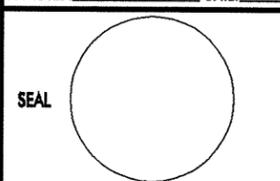
LEGEND

◀ PORTABLE SIGN

➡ DIRECTION OF TRAFFIC FLOW

DETAIL DRAWING
FOR TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

SHEET 1 OF 1

APPROVED: _____	DATE: _____	DETAIL DRAWING FOR TWO-WAY UNDIVIDED ADVANCED WORK ZONE WARNING SIGNS	
			
SCALE: NONE		REVISIONS	
DATE: 7-98		10/01	
DWG. BY: _____		10-98	03/04
DESIGN BY: _____		01/01	11/04
REVIEWED BY: _____	_____	_____	_____

I7-MAR-2010 11:30
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