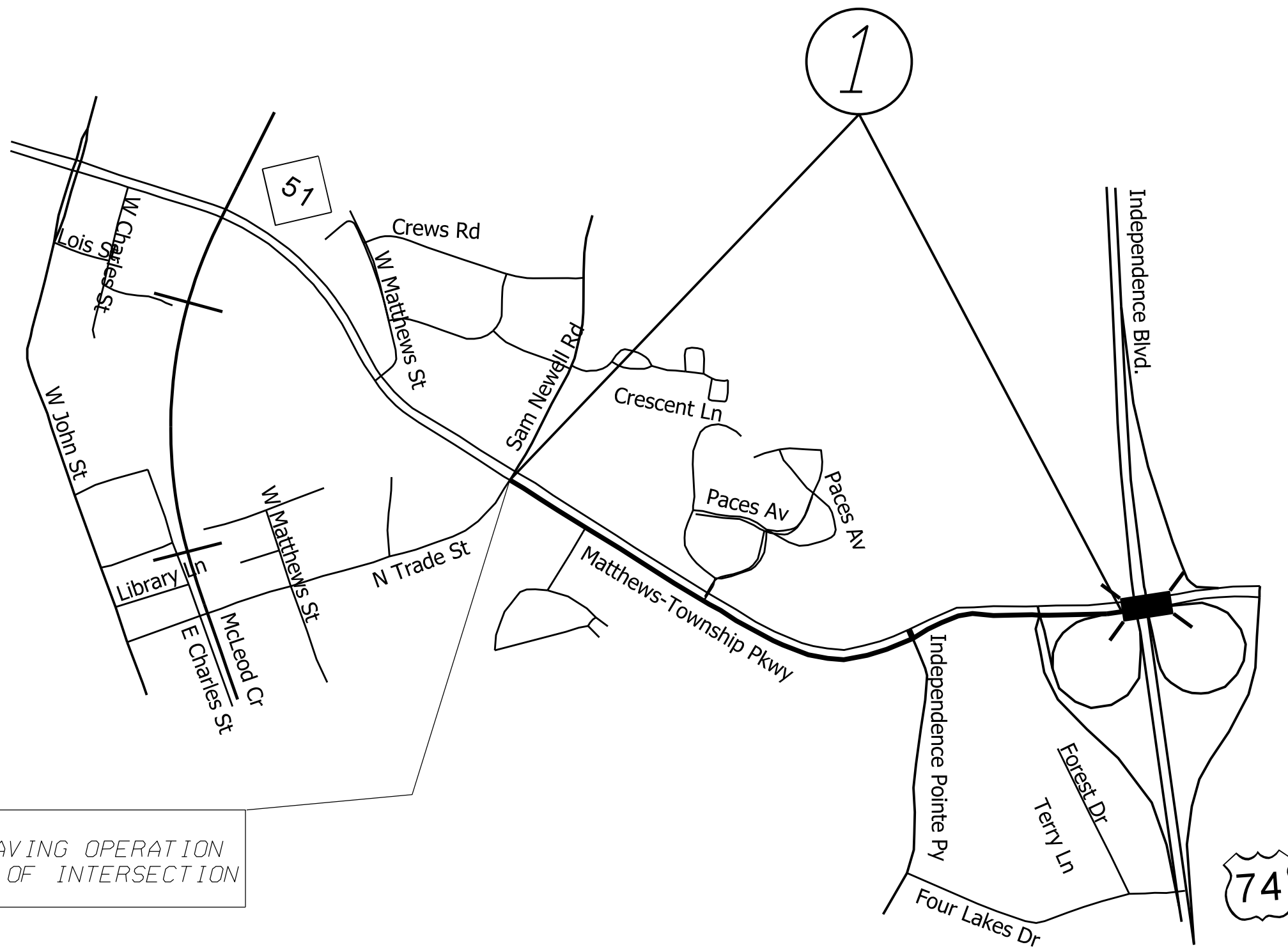


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		1	25
WBS NO.	2022CPT.J0.07.J0601 2022CPT.J0.07.20601		



START MILLING & PAVING OPERATION  
ON DEPARTURE SIDE OF INTERSECTION

MAP

DESCRIPTION

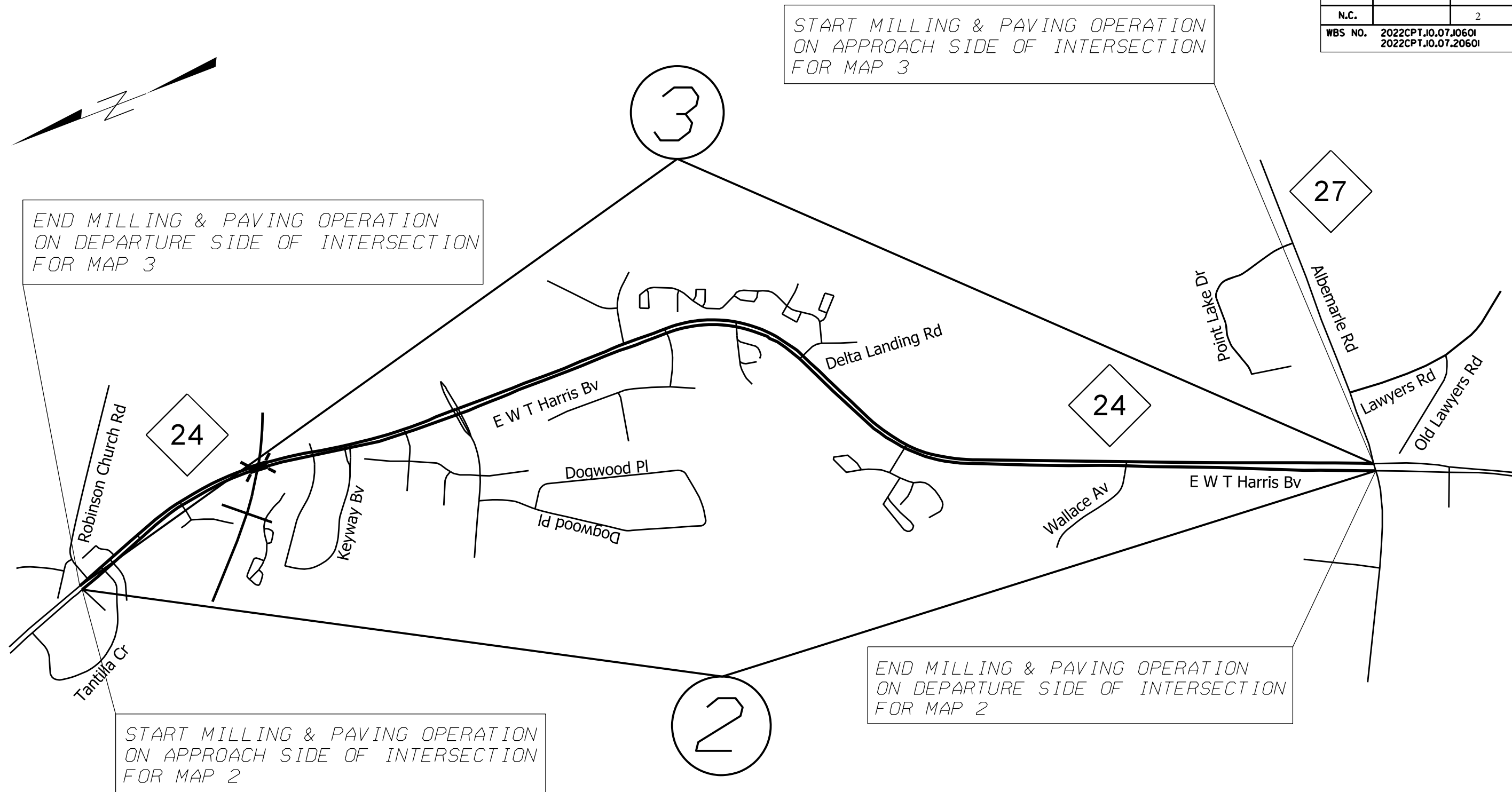
# 1 NC 51 MATTHEWS TOWNSHIP PARKWAY

FROM N TRADE ST TO BRIDGE OVER US 74

2022 MECKLENBURG COUNTY  
RESURFACING

SCALE	-NA-		REVISIONS
DATE	8/21		
DWG. BY	JHE		
DESIGN BY	JHE		
APPROVED			

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		2	25
WBS NO.	2022CPT.I0.07.I060I 2022CPT.I0.07.2060I		




MAP

DESCRIPTION

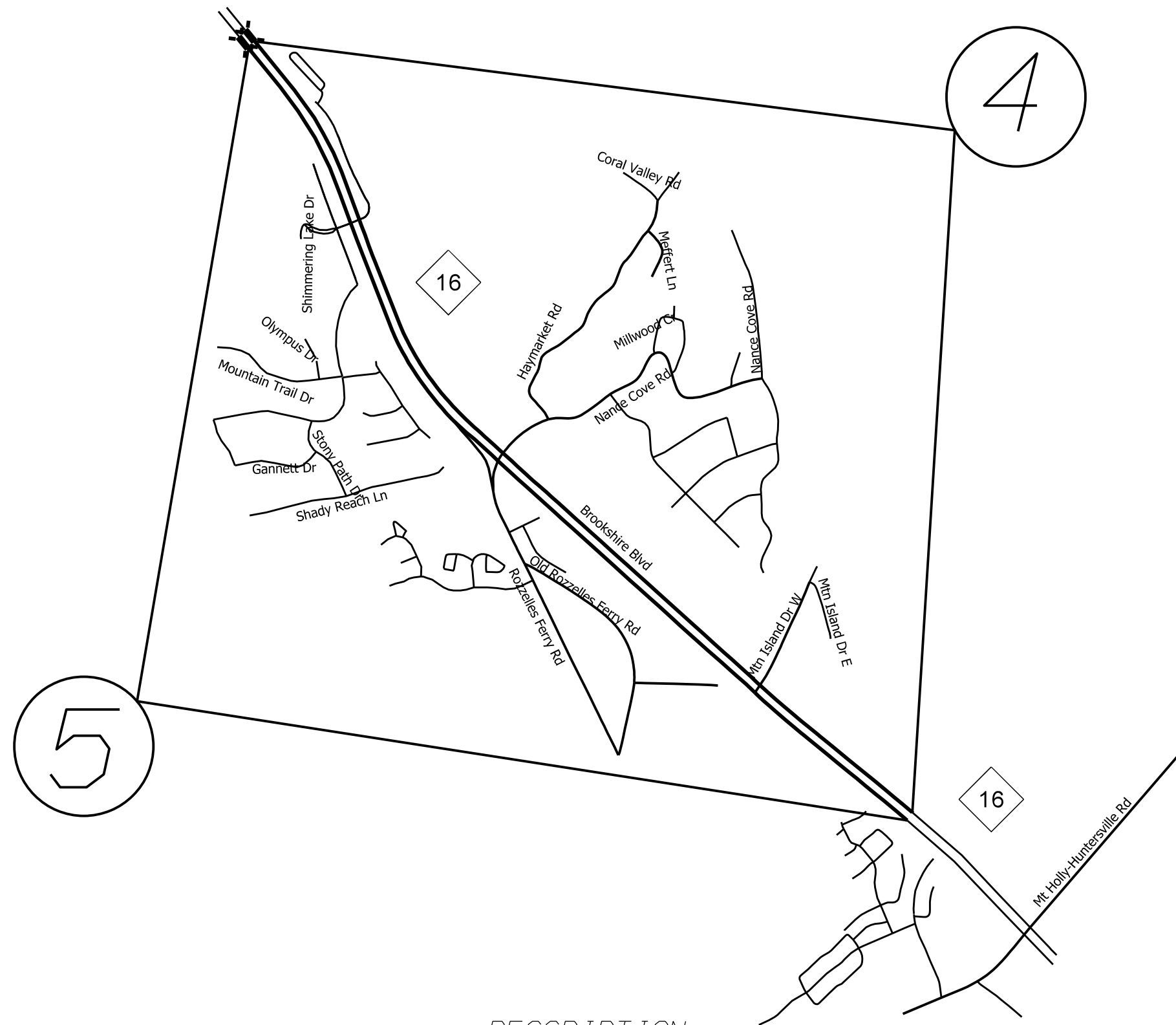
- # 2 NC 24 E W.T. HARRIS BLVD (EB)
- # 3 NC 24 E W.T. HARRIS BLVD (WB)

FROM ROBINSON CHURCH RD TO NC 27  
ALBEMARLE RD

FROM NC 27 ALBEMARLE RD TO ROBINSON  
CHURCH RD

2022 MECKLENBURG COUNTY RESURFACING		
SCALE	-NA-	
DATE	8/21	
DWG. BY	JHE	
DESIGN BY	JHE	
APPROVED		
		REVISIONS

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		3	25
WBS NO.	2022CPT.I0.07.I060I 2022CPT.I0.07.2060I		



MAP

DESCRIPTION

# 4 NC 16 BROOKSHIRE BLVD (NB)

FROM 0.31 MILE NORTH OF MT. HOLLY-HUNTERSVILLE RD TO MT ISLAND LAKE BRIDGE

# 5 NC 16 BROOKSHIRE BLVD (SB)

FROM MT ISLAND LAKE BRIDGE TO 0.31 MILE NORTH OF MT HOLLY HUNTERSVILLE RD

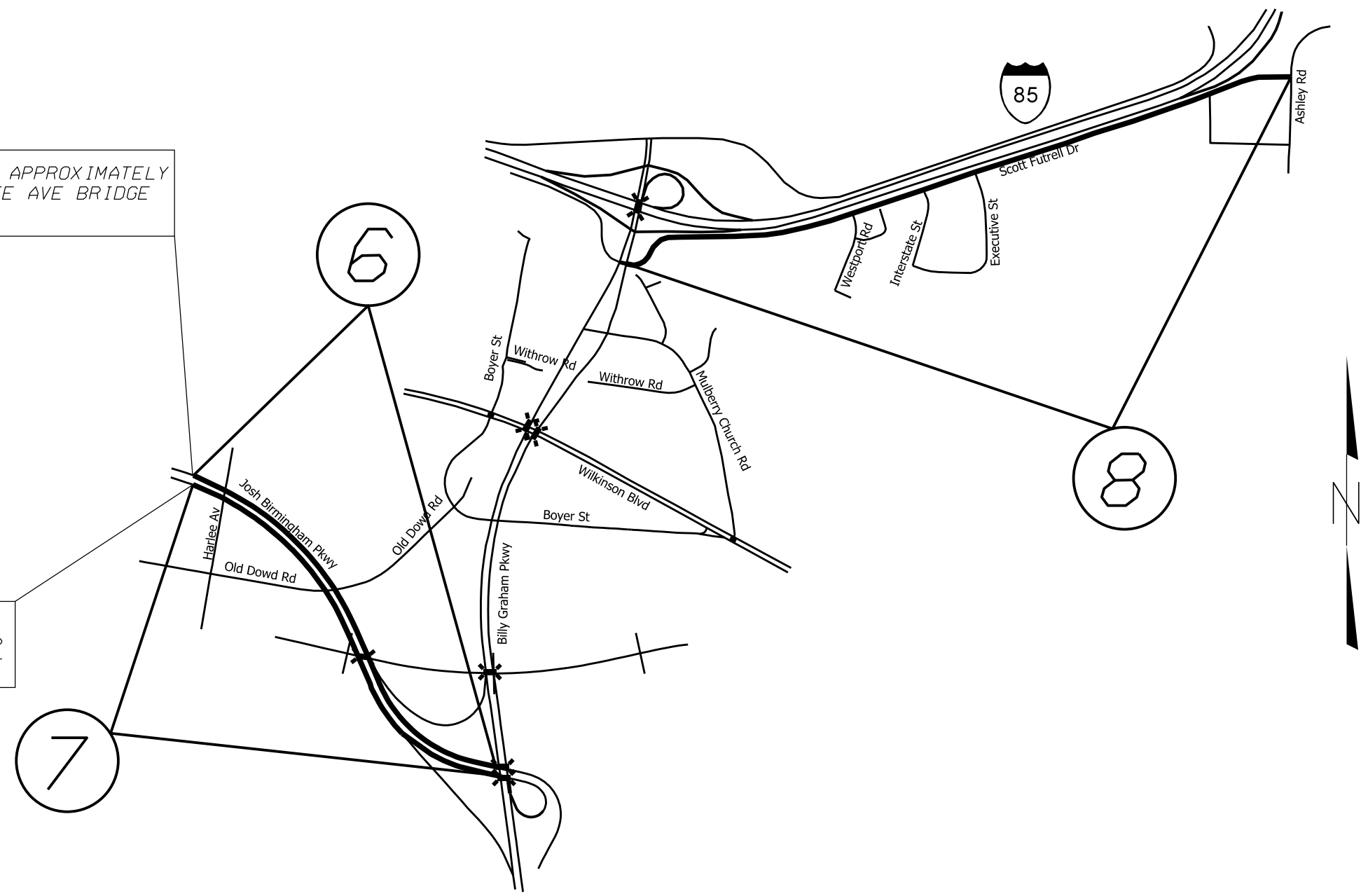
2022 MECKLENBURG COUNTY  
RESURFACING

SCALE	-NA-		REVISIONS	
DATE	8/21			
DWG. BY	JHE			
DESIGN BY	JHE			
APPROVED				

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		4	25
WBS NO.		2022CPT.I0.07.I060I 2022CPT.I0.07.2060I	

END PAVING OPERATION APPROXIMATELY  
677 FEET BEYOND HARLEE AVE BRIDGE  
DECK

BEGIN PAVING OPERATION  
APPROXIMATELY 585 FEET PRIOR  
TO BRIDGE DECK AT HARLEE AVE




MAP

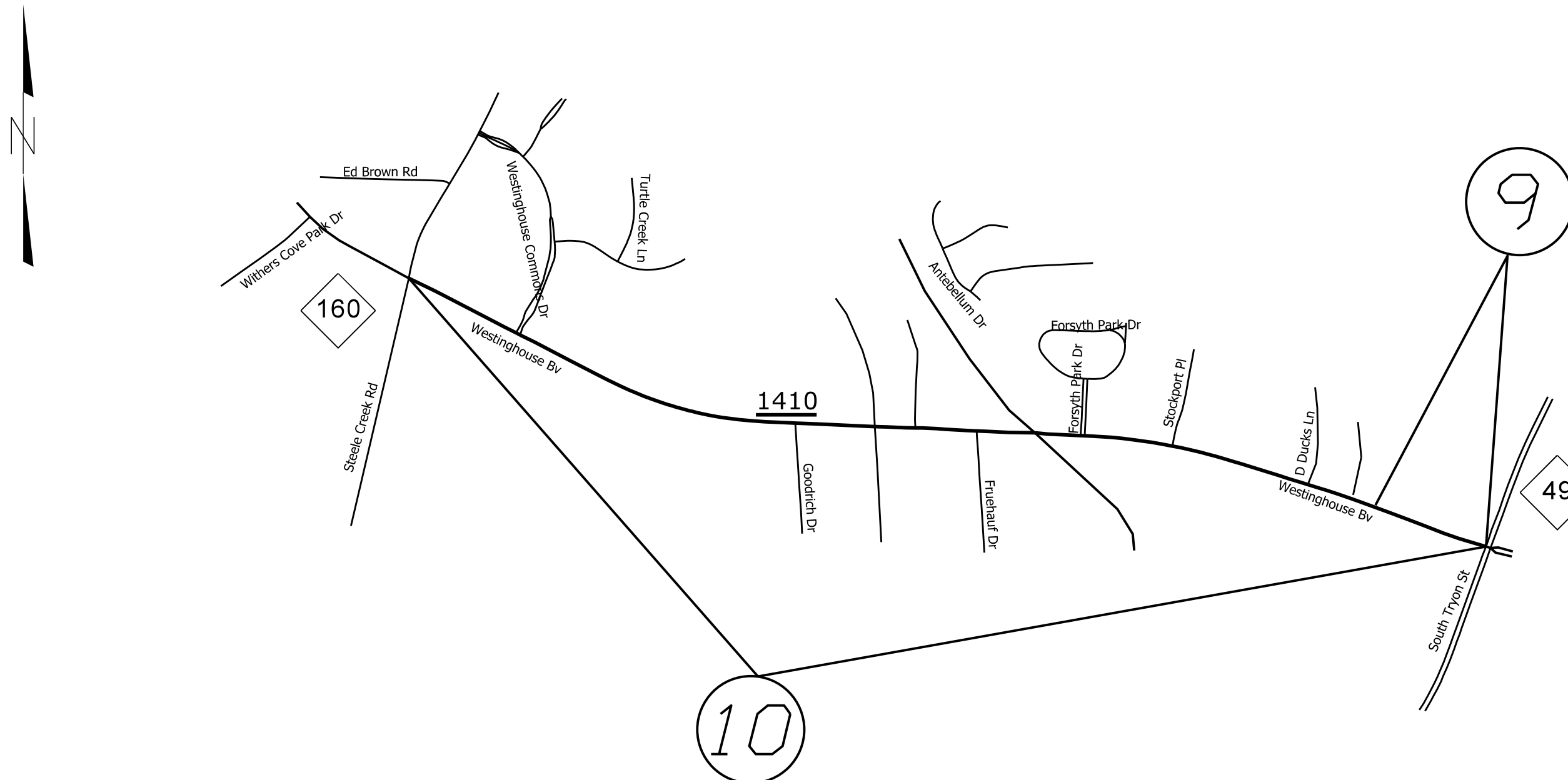
DESCRIPTION

- #6 SR 1490 JOSH BIRMINGHAM PKWY
- #7 SR 1490 JOSH BIRMINGHAM PKWY
- #8 SR 1816 SCOTT FUTRELL DR

- FROM BILLY GRAHAM PKWY BRIDGE TO EOM
- FROM EOM TO BILLY GRAHAM PKWY BRIDGE
- FROM ASHLEY ROAD TO BILLY GRAHAM PKWY

<b>2022 MECKLENBURG COUNTY RESURFACING</b>				
SCALE	-NA-		REVISIONS	
DATE	8/21			
DWG. BY	JHE			
DESIGN BY	JHE			
APPROVED				

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		5	25
WBS NO.	2022CPT,10.07,10601 2022CPT,10.07,20601		



MAP

DESCRIPTION

# 9 SR 1410 WESTINGHOUSE BLVD SB

FROM NC 49 S TRYON ST TO END DIVIDE

# 10 SR 1410 WESTINGHOUSE BLVD

FROM NC 160 STEELE CREEK RD TO NC 49 S TRYON ST

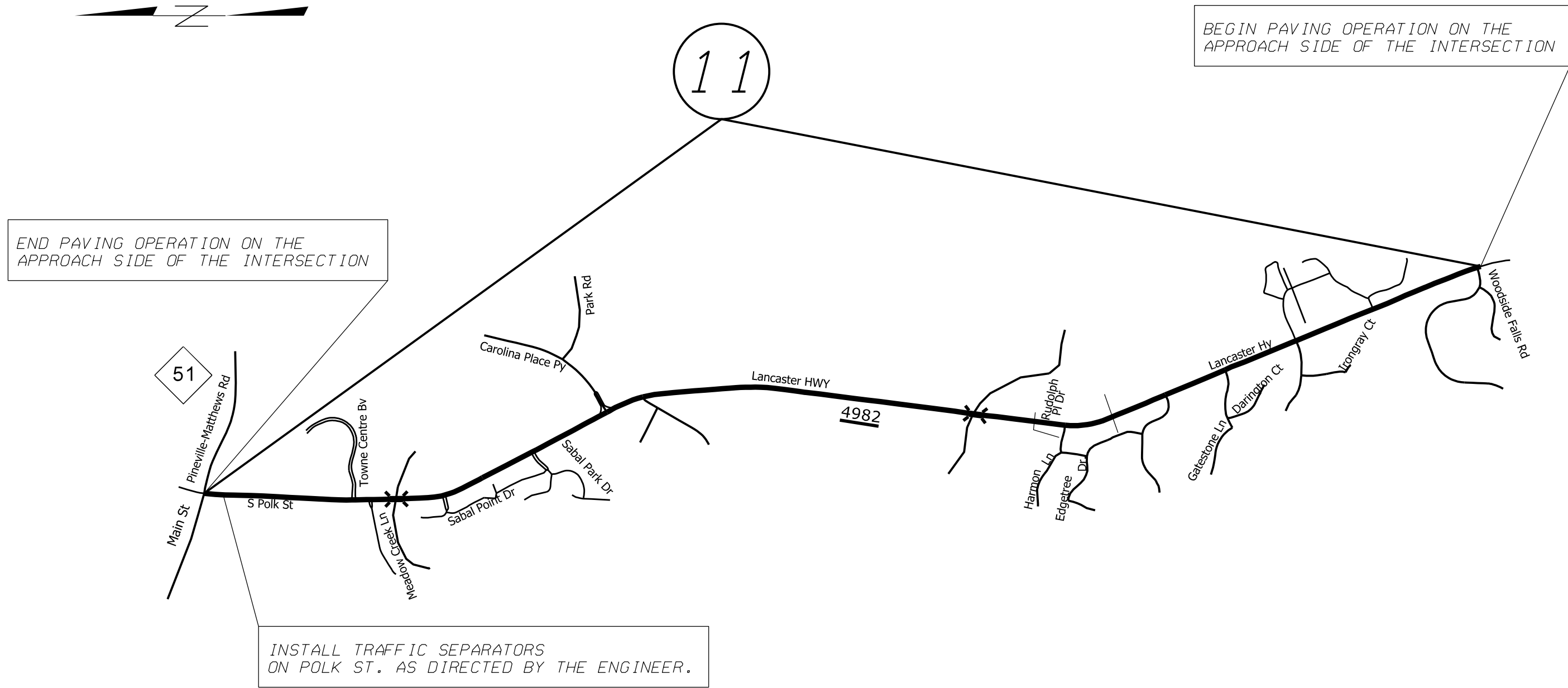
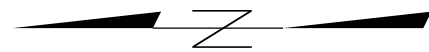
2022 MECKLENBURG COUNTY  
RESURFACING

SCALE	-NA-
DATE	8/21
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	



REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		6	25
WBS NO.	2022CPT.10.07.10601 2022CPT.10.07.20601		



MAP

DESCRIPTION

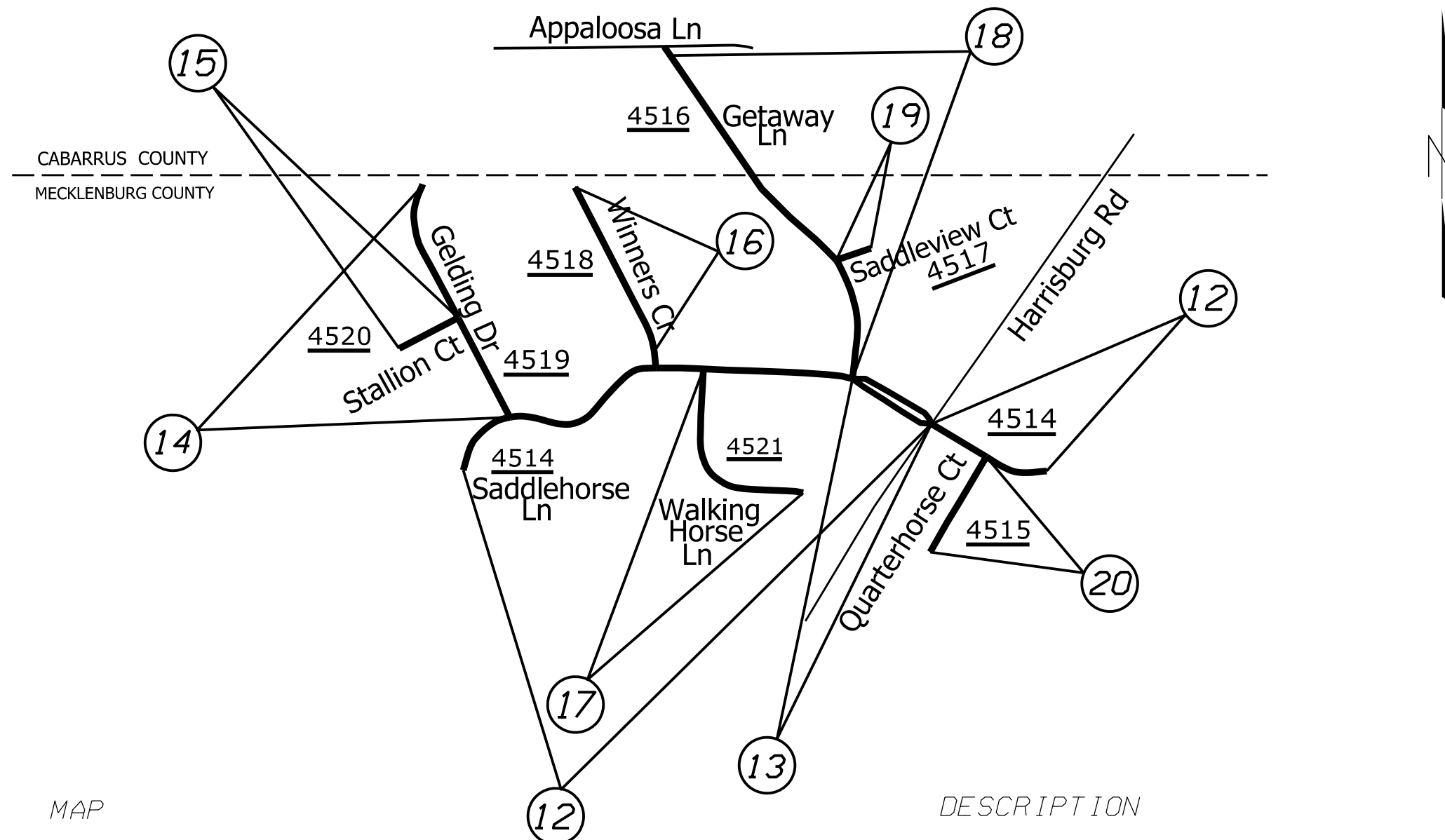
# 11 SR 4982 LANCASTER HWY / S POLK ST

FROM SR 4906 WOODSIDE FALLS RD TO NC 51 MAIN ST

2022 MECKLENBURG COUNTY  
RESURFACING

SCALE	-1A-		REVISIONS
DATE	8/21		
DWG. BY	JHE		
DESIGN BY	JHE		
APPROVED			


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		7	25
WBS NO.	2022CPT.I0.07.I060I 2022CPT.I0.07.2060I		



MAP

DESCRIPTION

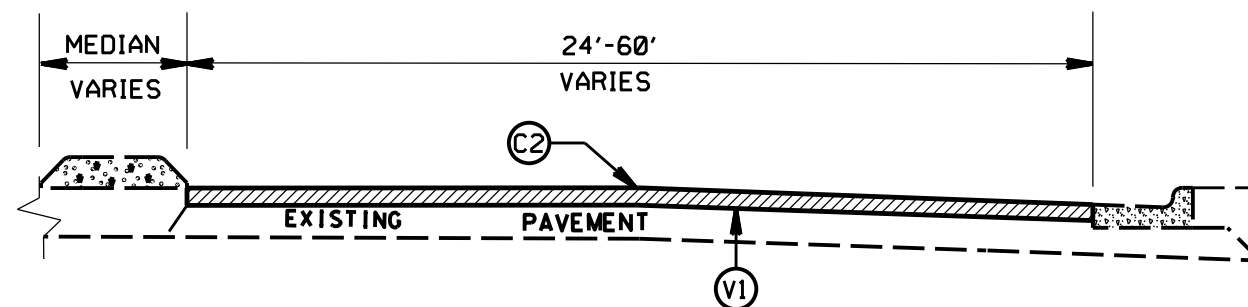
- # 12 SR 4514 SADDLEHORSE LANE FROM BEGIN MAINTENANCE TO EOM
- # 13 SR 4514 SADDLEHORSE LANE FROM BEGIN DIVIDE TO END DIVIDE
- # 14 SR 4519 GELDING DRIVE FROM SADDLEHORSE LANE TO EOM
- # 15 SR 4520 STALLION COURT FROM GELDING DRIVE TO EOM
- # 16 SR 4518 WINNERS CIRCLE FROM SADDLEHORSE LANE TO EOM
- # 17 SR 4521 WALKING HORSE LANE FROM SADDLEHORSE LANE TO EOM
- # 18 SR 4516 GETAWAY LANE FROM SADDLEHORSE LANE TO APPALOOSA LANE
- # 19 SR 4517 SADDLEVIEW COURT FROM GETAWAY LANE TO CUL-DE-SAC
- # 20 SR 4515 QUARTERHORSE COURT FROM SADDLEHORSE LANE TO EOM

2022 MECKLENBURG COUNTY RESURFACING		
SCALE	-NA-	
DATE	8/21	
DWG. BY	JHE	
DESIGN BY	JHE	
APPROVED		
		REVISIONS

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		8	25
WBS NO.	2022CPT.JO.07.J0601 2022CPT.JO.07.20601		

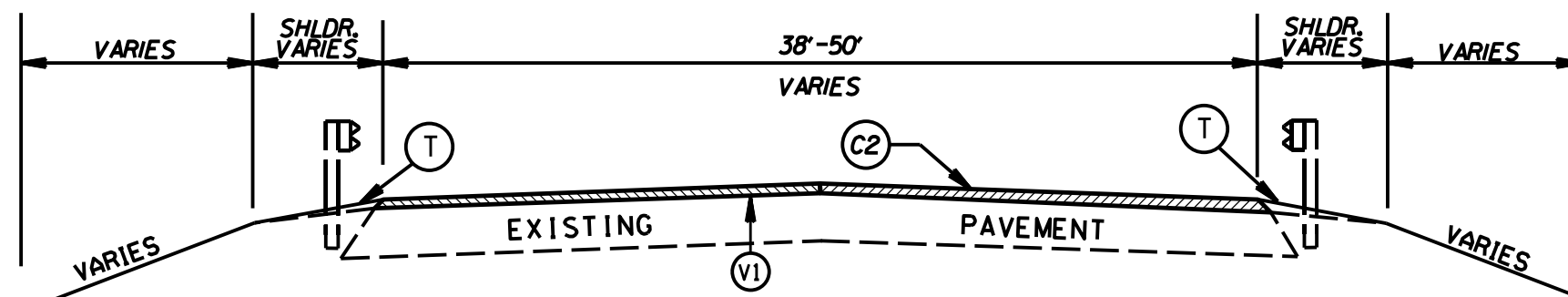
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING 1.5" DEPTH
V2	PROFILE MILLING 0" TO 0.5" DEPTH
V3	PROFILE MILLING 0" TO 1.5" DEPTH

## MATTHEWS-TOWNSHIP PKWY (NB)



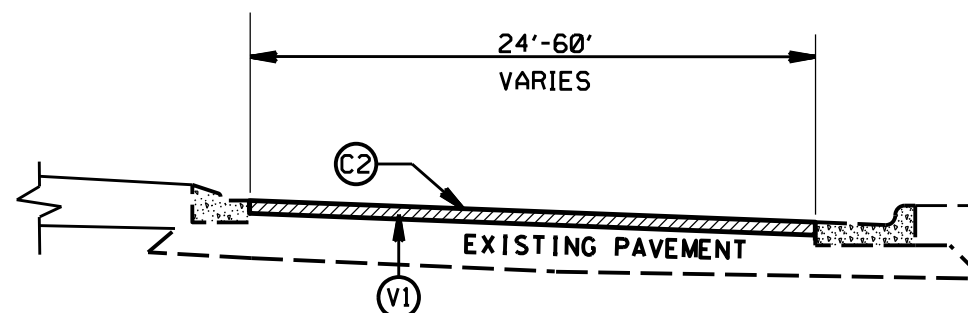
TYPICAL SECTION NO. 1

## MATTHEWS-TOWNSHIP PKWY (NB)



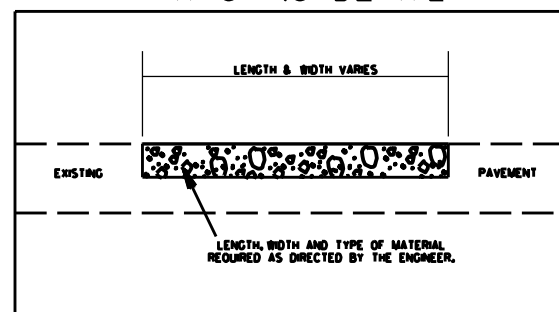
TYPICAL SECTION NO. 2

## MATTHEWS-TOWNSHIP PKWY (NB)



TYPICAL SECTION NO. 3

### PATCHING DETAIL



2022 MECKLENBURG COUNTY  
RESURFACING

SCALE	-NA-		REVISIONS
DATE	8/23		
DWG. BY	JHE		
DESIGN BY	JHE		
APPROVED			

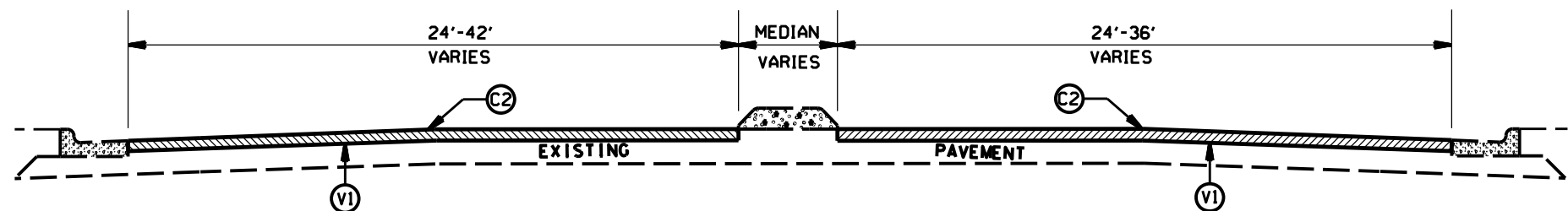


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		9	25
WBS NO.	2022CPT.JO.07.J0601 2022CPT.JO.07.20601		

### PAVEMENT SCHEDULE

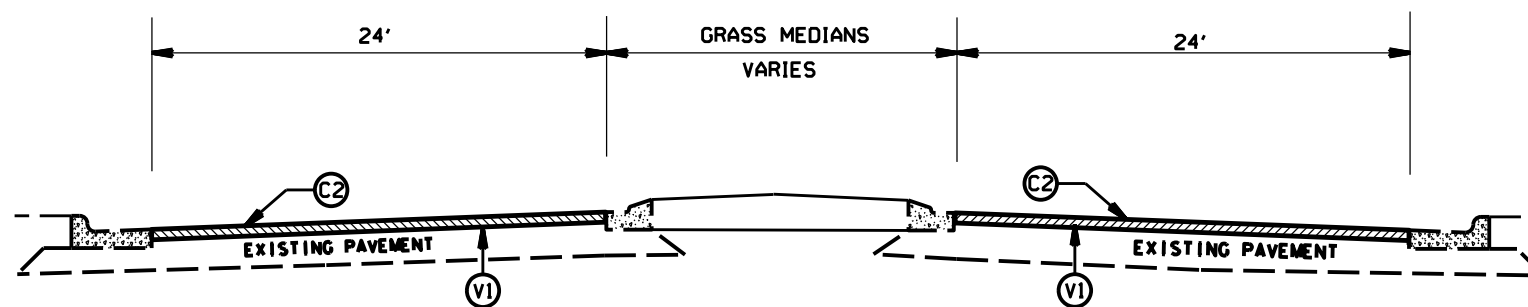
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING 1.5" DEPTH
V2	PROFILE MILLING 0" TO 0.5" DEPTH
V3	PROFILE MILLING 0" TO 1.5" DEPTH

### W.T. HARRIS BLD (EB & WB)



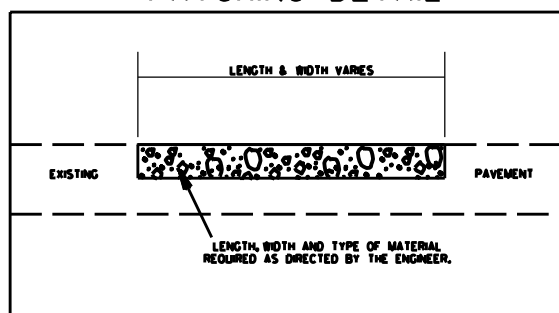
TYPICAL SECTION NO. 4

### W.T. HARRIS BLD (EB & WB)



TYPICAL SECTION NO. 5

### PATCHING DETAIL



2022 MECKLENBURG COUNTY  
RESURFACING

SCALE	-NA-
DATE	8/23
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

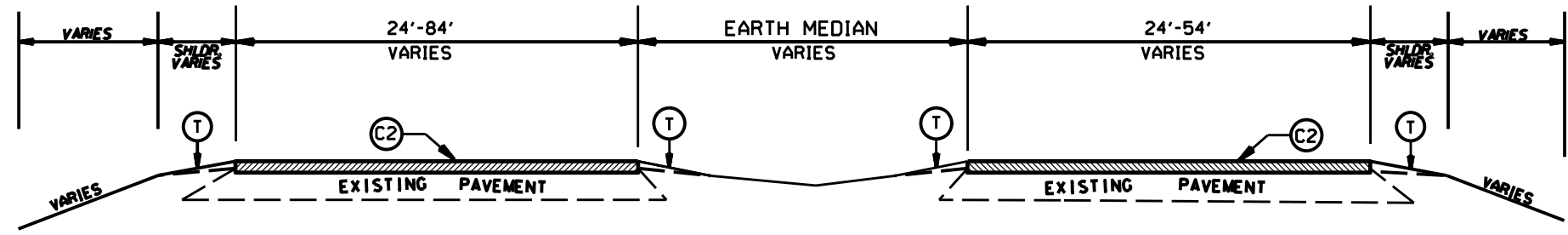


REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		10	25
WBS NO.	2022CPT1,0,07,0601 2022CPT1,0,07,20601		

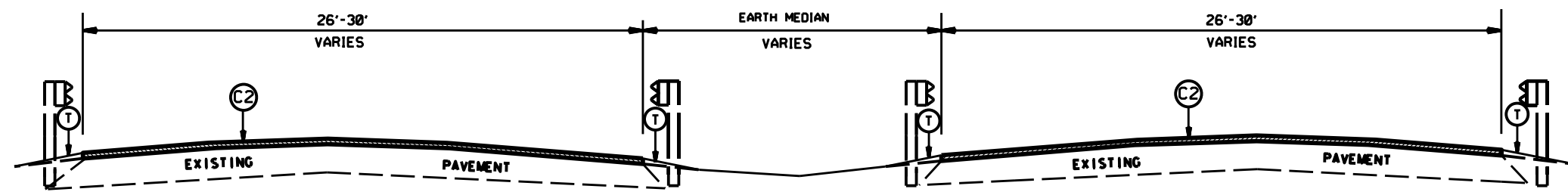
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING 1.5" DEPTH
V2	PROFILE MILLING 0" TO 0.5" DEPTH
V3	PROFILE MILLING 0" TO 1.5" DEPTH

BROOKSHIRE BLVD (SB & NB)



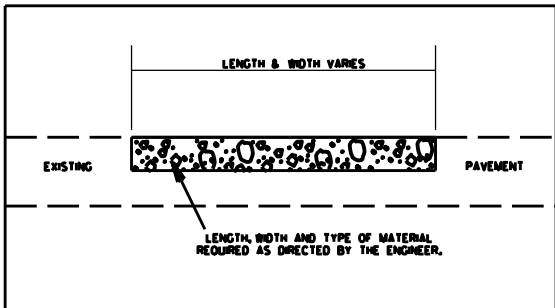
TYPICAL SECTION NO. 6

BROOKSHIRE BLVD (SB & NB)



TYPICAL SECTION NO. 7

PATCHING DETAIL



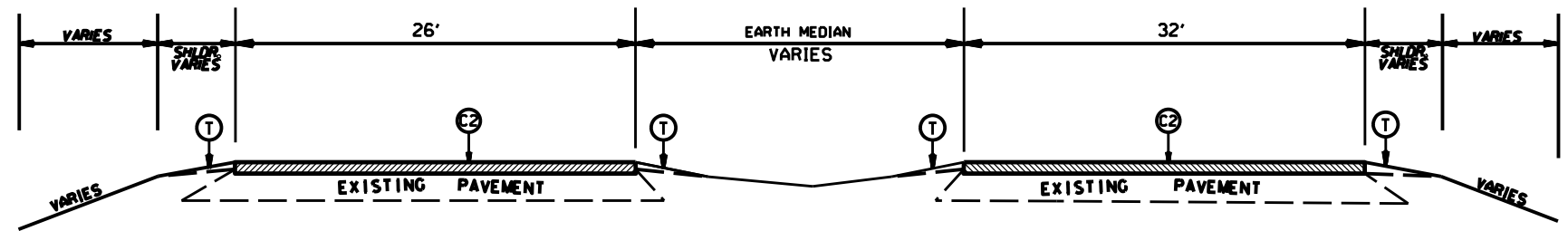
2022 MECKLENBURG COUNTY RESURFACING

SCALE	-NA-		REVISIONS	
DATE	8/23			
DWG. BY	JHE			
DESIGN BY	JHE			
APPROVED				

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		11	25
WBS NO.	2022CPT.JO.07.J0601 2022CPT.JO.07.20601		

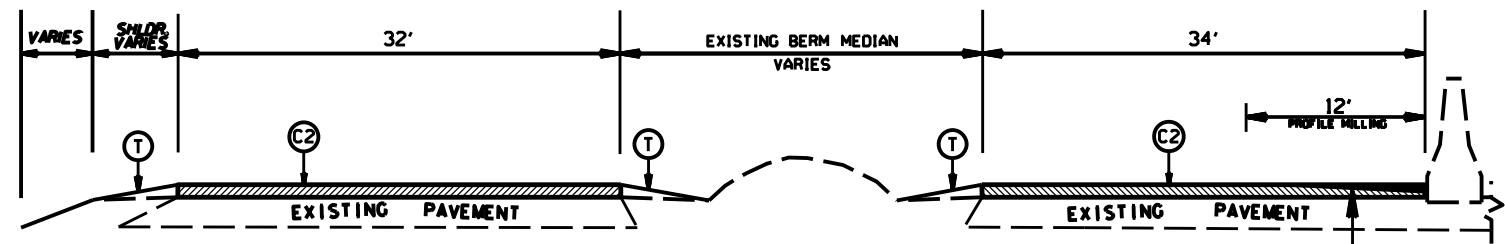
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING 1.5" DEPTH
V2	PROFILE MILLING 0" TO 0.5" DEPTH
V3	PROFILE MILLING 0" TO 1.5" DEPTH

JOSH BIRMINGHAM PARKWAY



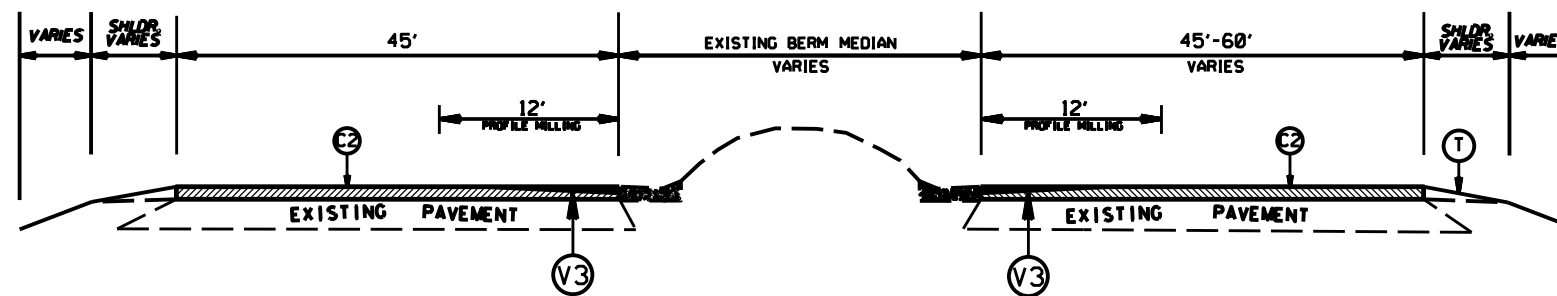
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JOSH BIRMINGHAM PARKWAY



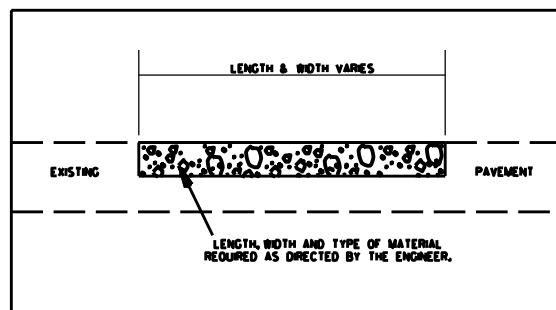
TYPICAL SECTION NO. 9

JOSH BIRMINGHAM PARKWAY



TYPICAL SECTION NO. 10

PATCHING DETAIL



2022 MECKLENBURG COUNTY  
RESURFACING

SCALE	-NA-
DATE	8/23
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

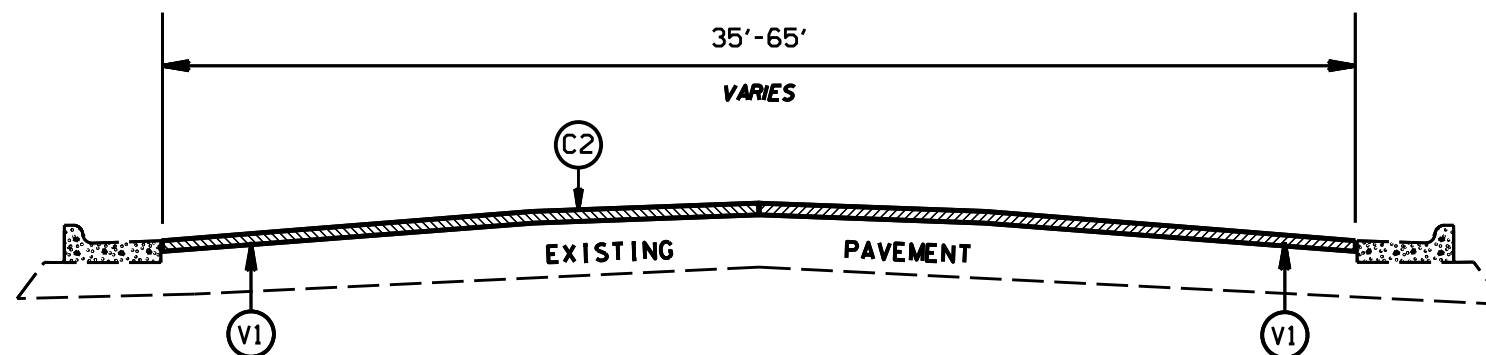


REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		12	25
WBS NO.	2022CPT.J0.07.J0601 2022CPT.J0.07.20601		

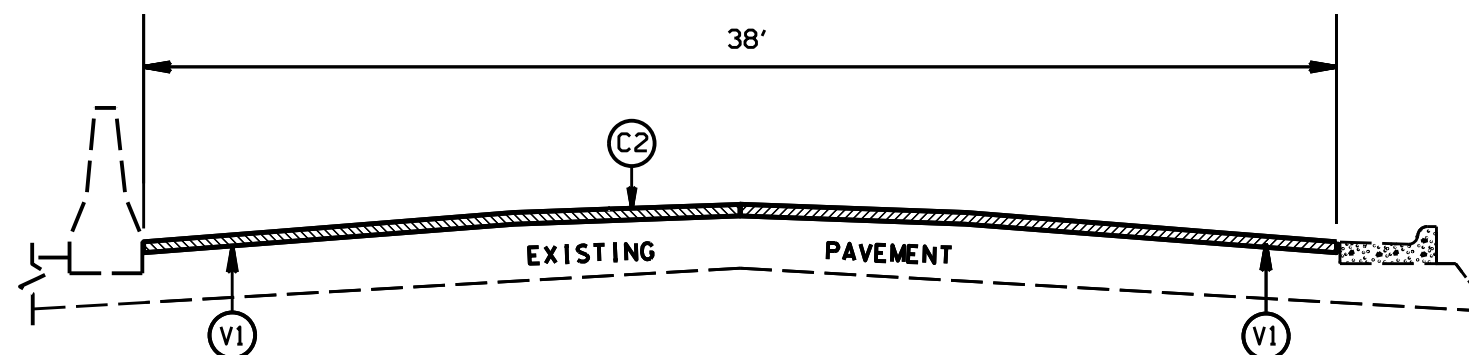
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING 1.5" DEPTH
V2	PROFILE MILLING 0" TO 0.5" DEPTH
V3	PROFILE MILLING 0" TO 1.5" DEPTH

SCOTT FUTRELL DR



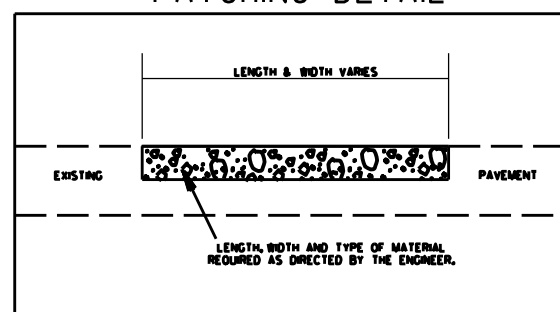
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SCOTT FUTRELL DR



TYPICAL SECTION NO. 12

PATCHING DETAIL



2022 MECKLENBURG COUNTY  
RESURFACING

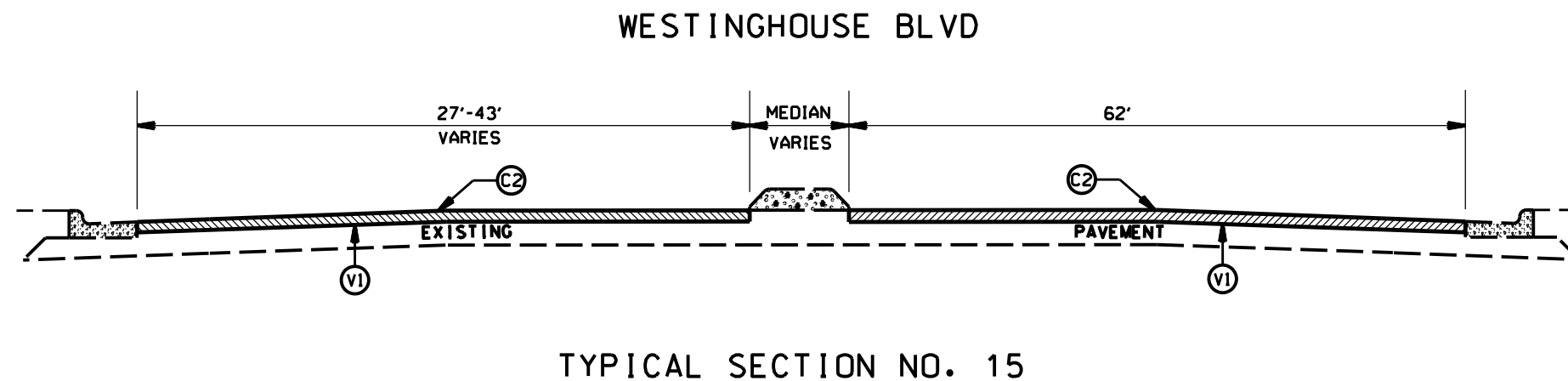
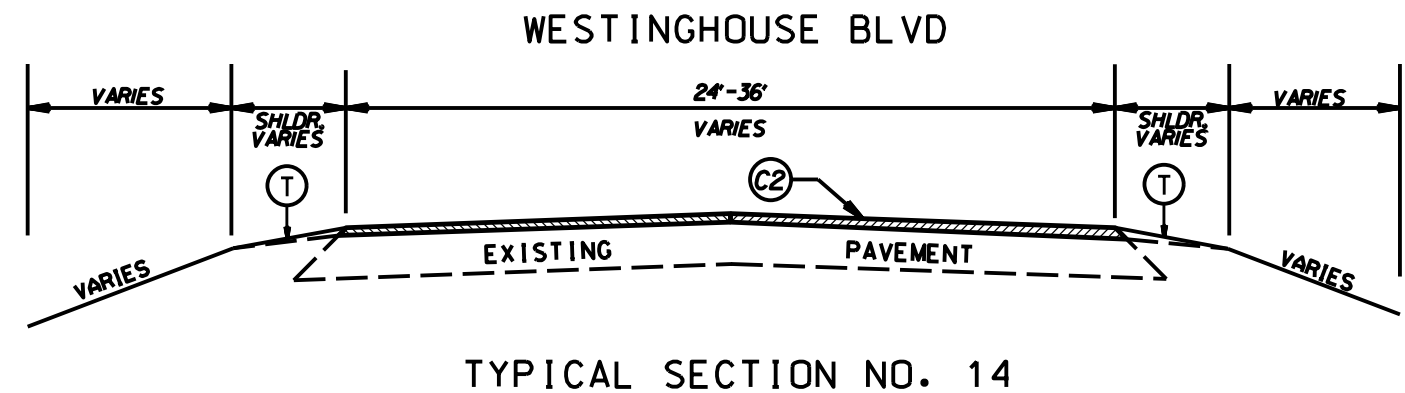
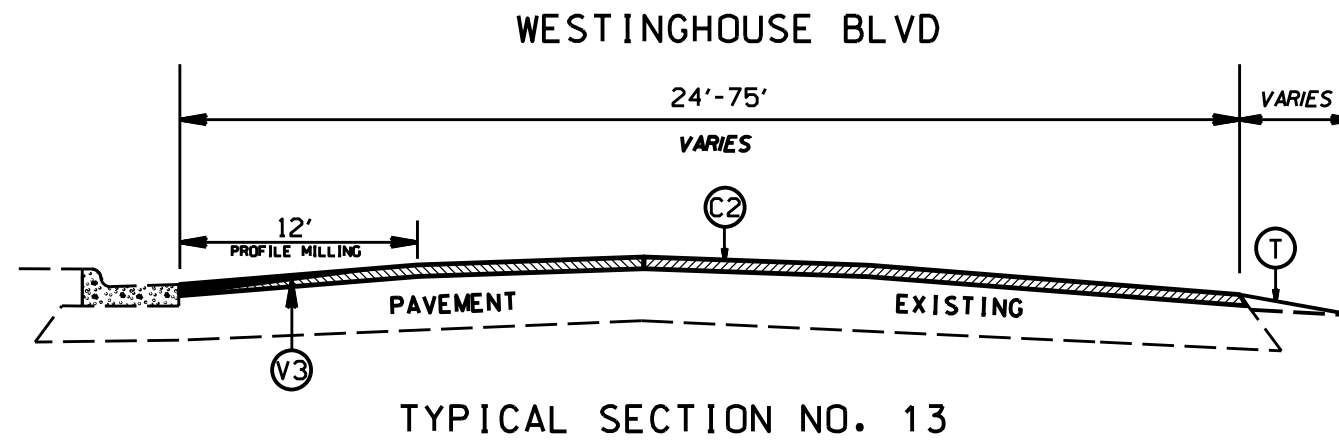
SCALE	-NA-
DATE	8/23
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	



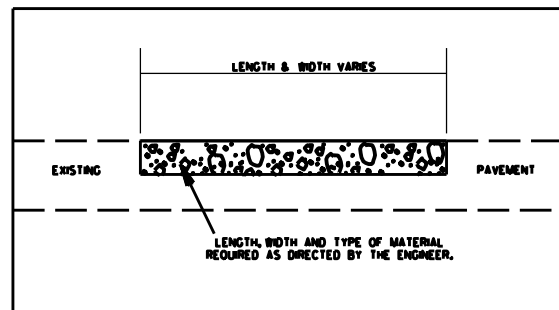
REVISIONS


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		13	25
WBS NO.	2022CPT.I0.07.J060I 2022CPT.I0.07.2060I		

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 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.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING 1.5" DEPTH
V2	PROFILE MILLING 0" TO 0.5" DEPTH
V3	PROFILE MILLING 0" TO 1.5" DEPTH



PATCHING DETAIL



2022 MECKLENBURG COUNTY  
RESURFACING

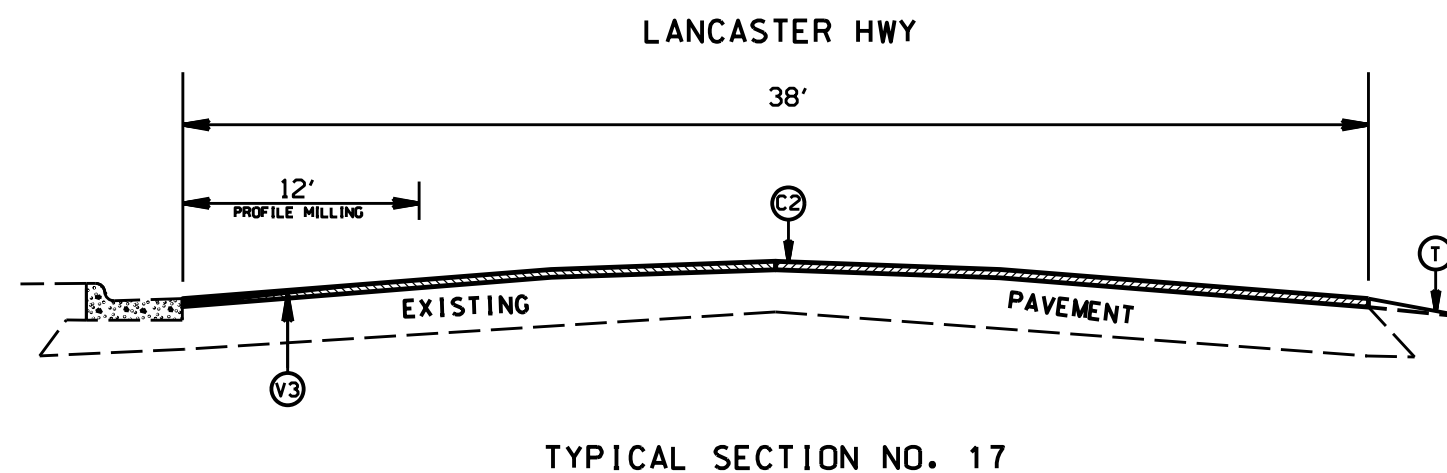
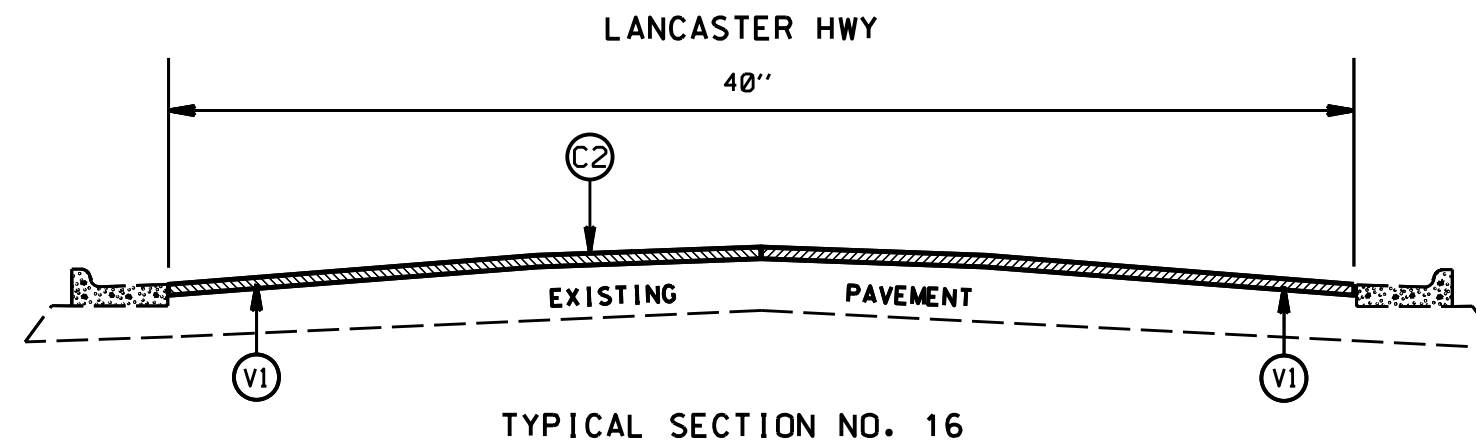
SCALE -NA-  
DATE 8/23  
DWG. BY JHE  
DESIGN BY JHE  
APPROVED



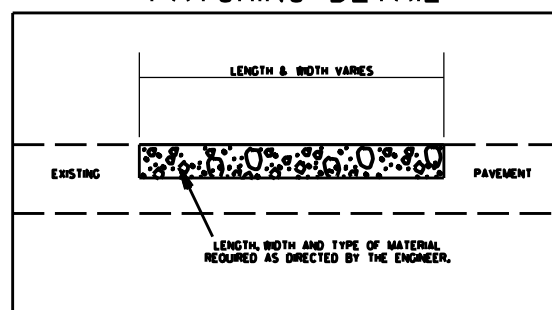
REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		14	25
WBS NO. 2022CPT.J0.07.J0601 2022CPT.J0.07.20601			

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 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.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING 1.5" DEPTH
V2	PROFILE MILLING 0" TO 0.5" DEPTH
V3	PROFILE MILLING 0" TO 1.5" DEPTH



**PATCHING DETAIL**

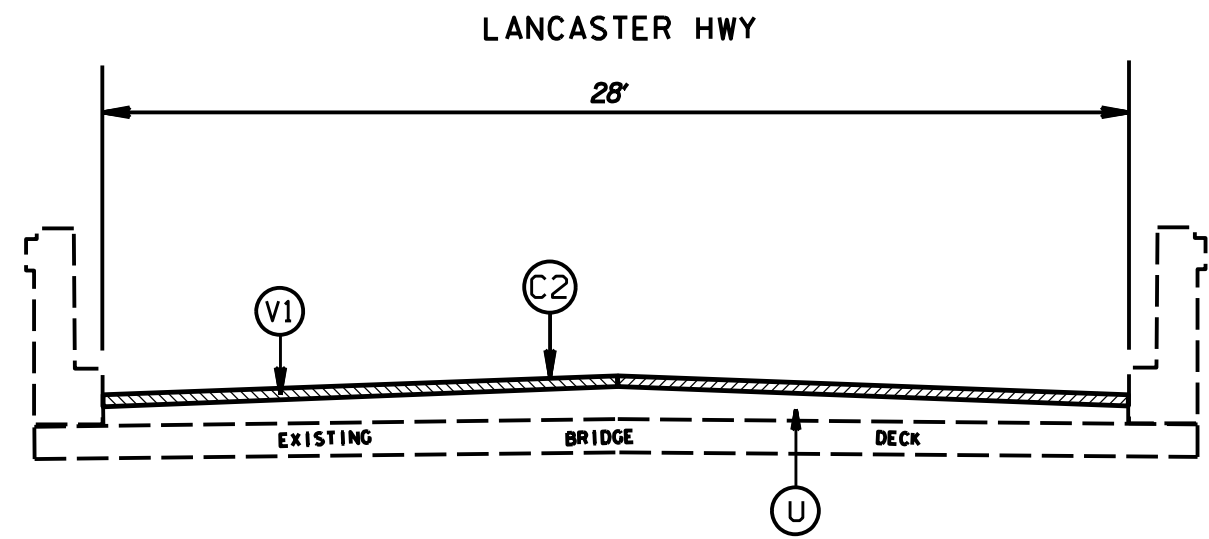


**2022 MECKLENBURG COUNTY  
RESURFACING**

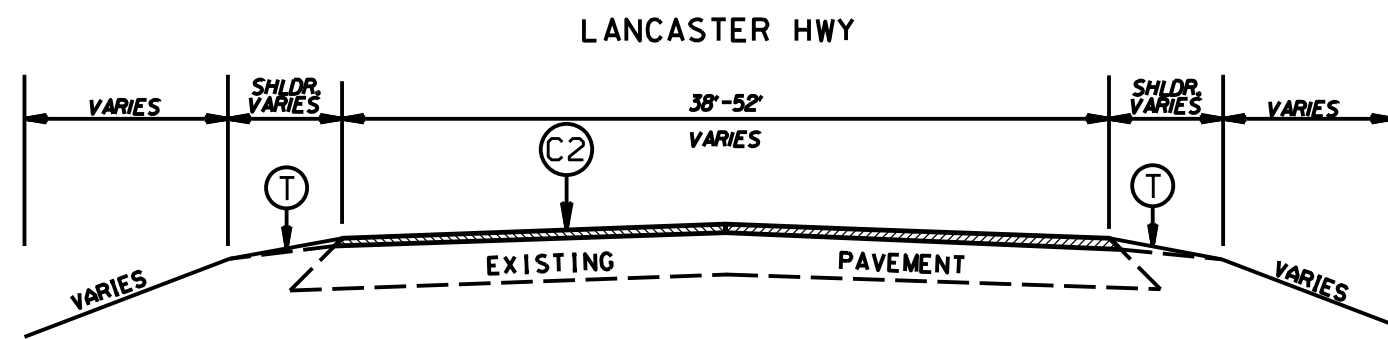
SCALE	-NA-		REVISIONS
DATE	8/23		
DWG. BY	JHE		
DESIGN BY	JHE		
APPROVED			

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		15	25
WBS NO.	2022CPT.JO.07.J0601 2022CPT.JO.07.20601		

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 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.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING 1.5" DEPTH
V2	PROFILE MILLING 0" TO 0.5" DEPTH
V3	PROFILE MILLING 0" TO 1.5" DEPTH

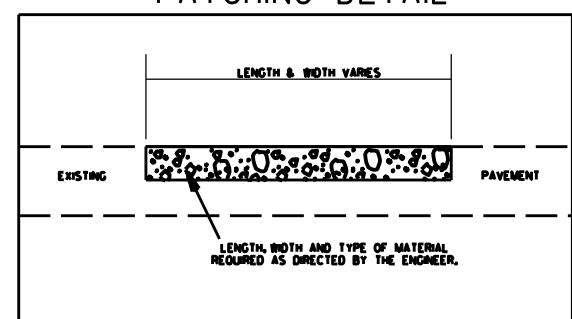


TYPICAL SECTION NO. 18  
BRIDGE OVER MCALPINE CREEK



TYPICAL SECTION NO 19

PATCHING DETAIL



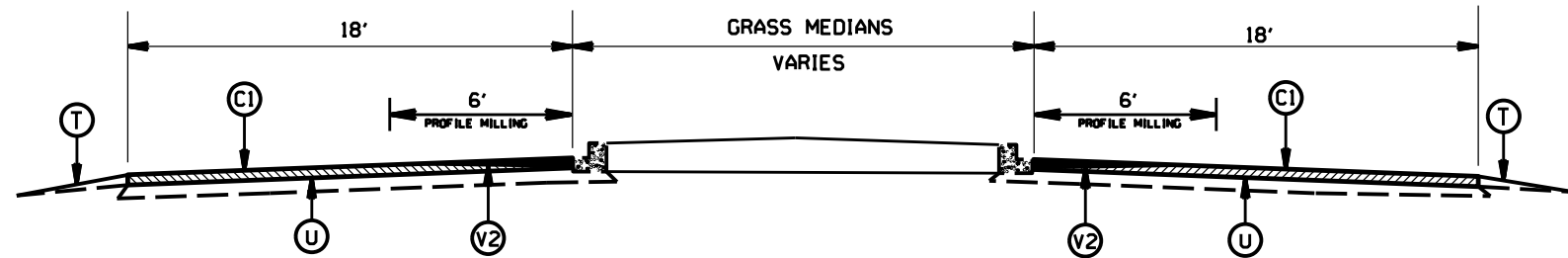
2022 MECKLENBURG COUNTY  
RESURFACING

SCALE	-NA-		REVISIONS
DATE	8/23		
DWG. BY	JHE		
DESIGN BY	JHE		
APPROVED			

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		16	25
WBS NO.	2022CPTJ0.07.10601 2022CPTJ0.07.20601		

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 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.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLING 1.5" DEPTH
V2	PROFILE MILLING 0" TO 0.5" DEPTH
V3	PROFILE MILLING 0" TO 1.5" DEPTH

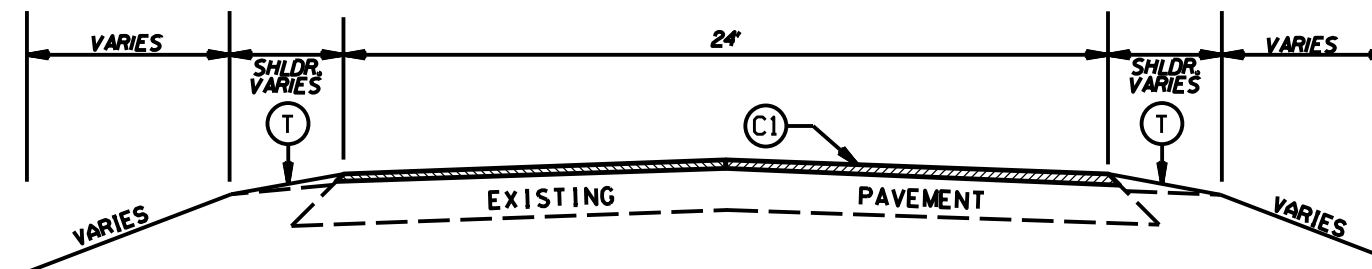
STEEPLECHASE SUBDIVISION  
SADDLEHORSE LANE



TYPICAL SECTION NO. 20

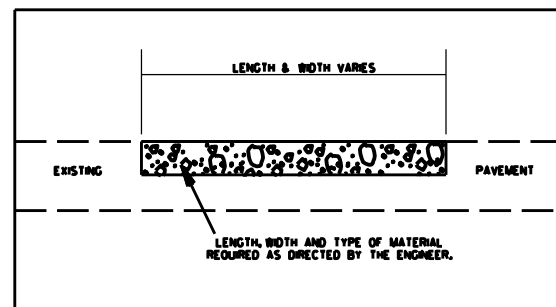
STEEPLECHASE SUBDIVISION

- SADDLEHORSE LANE
- GELDING DRIVE
- WINNERS CIRCLE
- WALKING HORSE LANE
- GETAWAY LANE
- SADDLEVIEW COURT
- QUARTER HORSE COURT



TYPICAL SECTION NO. 21

PATCHING DETAIL

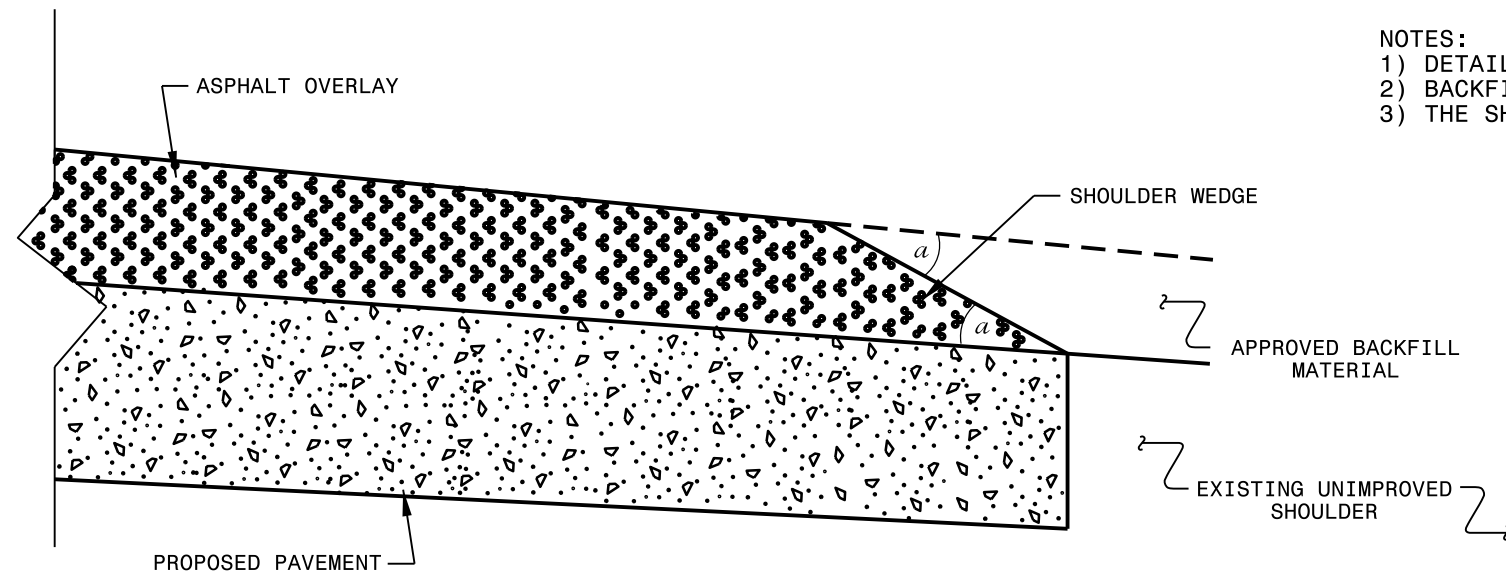


2022 MECKLENBURG COUNTY  
RESURFACING

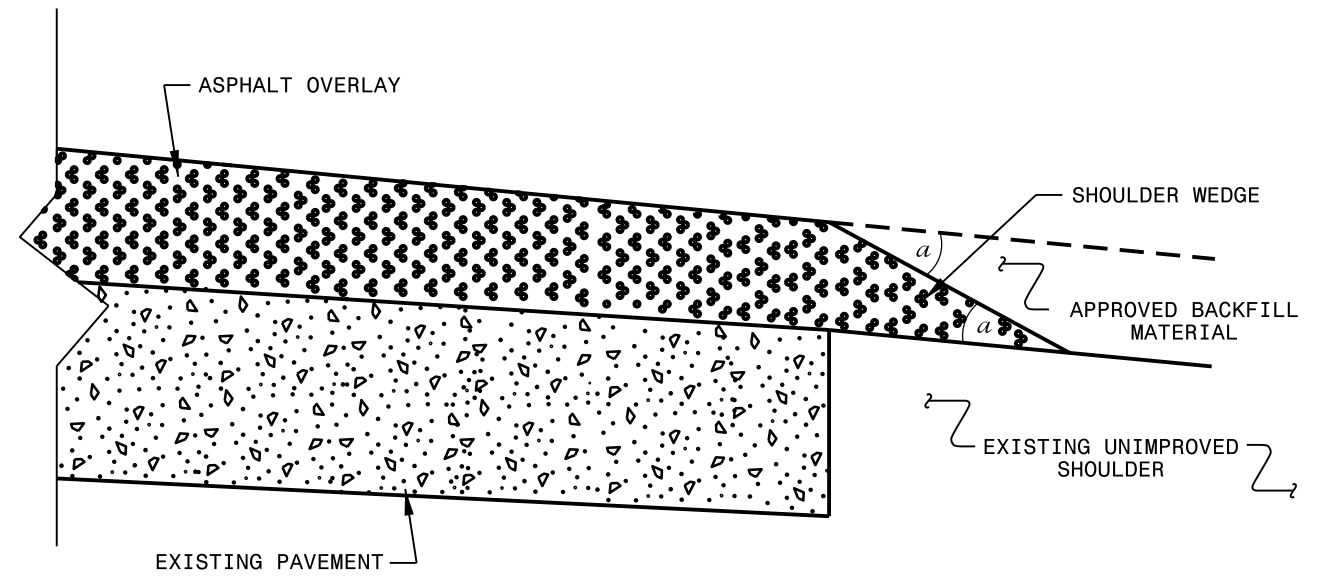
SCALE	-NA-		REVISIONS
DATE	8/23		
DWG. BY	JHE		
DESIGN BY	JHE		
APPROVED			



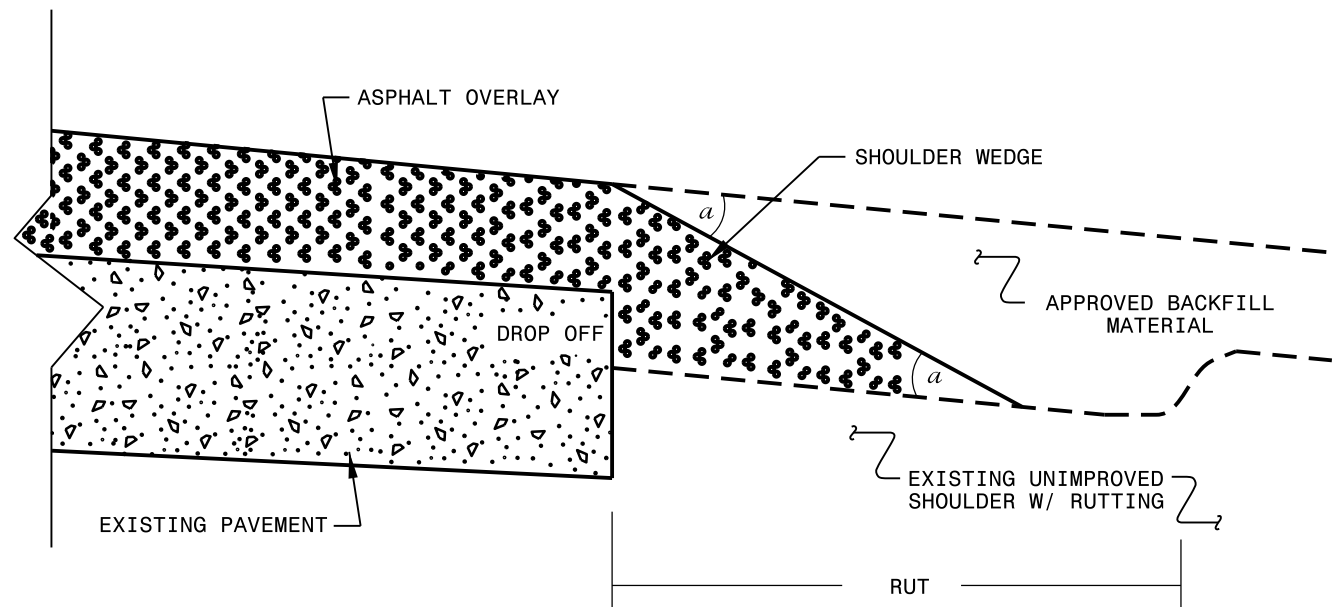
- NOTES:  
 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.  
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.  
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ Widening or  
 with Existing Paved Shoulder having no dropoffs)



**SHOULDER WEDGE DETAIL**  
 (Resurfacing Projects w/ NO Widening)

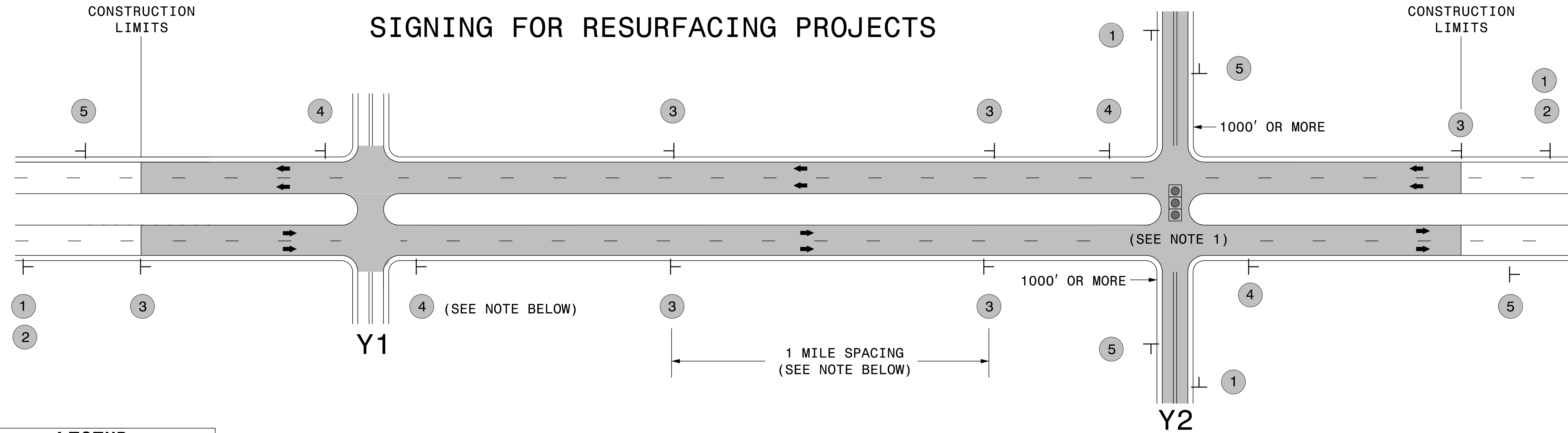


**SHOULDER WEDGE DETAIL**  
 (Resurfacing Adjacent to  
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>			
Office 919-707-6950		FAX 919-250-4119	
<b>SHOULDER WEDGE DETAILS</b>			
ORIGINAL BY: T.SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 10/16/12		
CHECKED BY:	DATE:		
FILE SPEC.: susr/details/stand/shoulderwedgedetail.dgn			

SYSTEMS DESIGN  
 USER NAME



**LEGEND**  
 | STATIONARY SIGN  
 ← DIRECTION OF TRAFFIC FLOW

**MAINLINE (-L-) SIGNING**

**-Y- LINE SIGNING**

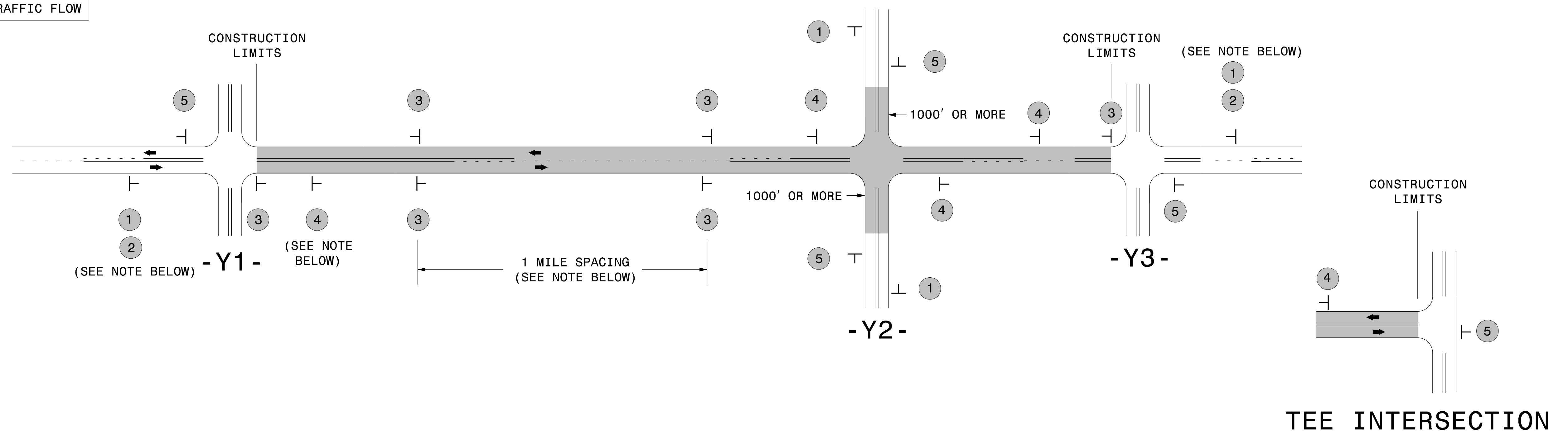
SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 W20-1 48" X 48"	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <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;">                   W20-1                  48" X 48"             </div> <div style="text-align: center;">                   W20-7 A                  48" X 48"             </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.</li> </ol>
	2	 W7-3aP 24" X 18"	#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	 SP 13107 48" X 48"	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	 SP 13106 48" X 48"	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	 G20-2 A 48" X 24"	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.	

3/23/2015  
 C:\Users\rmgarrrett\Downloads\Resurfacing\_AdvWarn\_Ltr-Su\_Shldr.dgn  
 User:rmgarrrett

**RESURFACING  
 ADVANCE WARNING SIGNS  
 FOR RURAL AND SUBURBAN  
 MULTI-LANE ROADWAYS  
 W/ SHOULDER SECTIONS**

# SIGNING FOR RESURFACING PROJECTS

**LEGEND**  
 ┆ STATIONARY SIGN  
 ← DIRECTION OF TRAFFIC FLOW



## MAINLINE (-L-) SIGNING

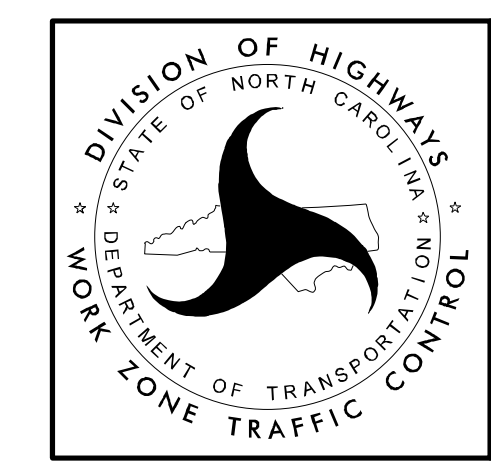
## -Y- LINE SIGNING

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"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING 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;"> <div style="text-align: center;">                   W20-1 48" X 48"                  PLACED 500' IN ADVANCE OF FLAGGER.             </div> <div style="text-align: center;">                   W20-7 A 48" X 48"                  PLACED 250' IN ADVANCE OF FLAGGER.             </div> </div>
	2		#2 SIGN ONLY USED WHEN CONSTRUCTION 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 SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART 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. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	5		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

### MAPS LESS THAN 2 MILES

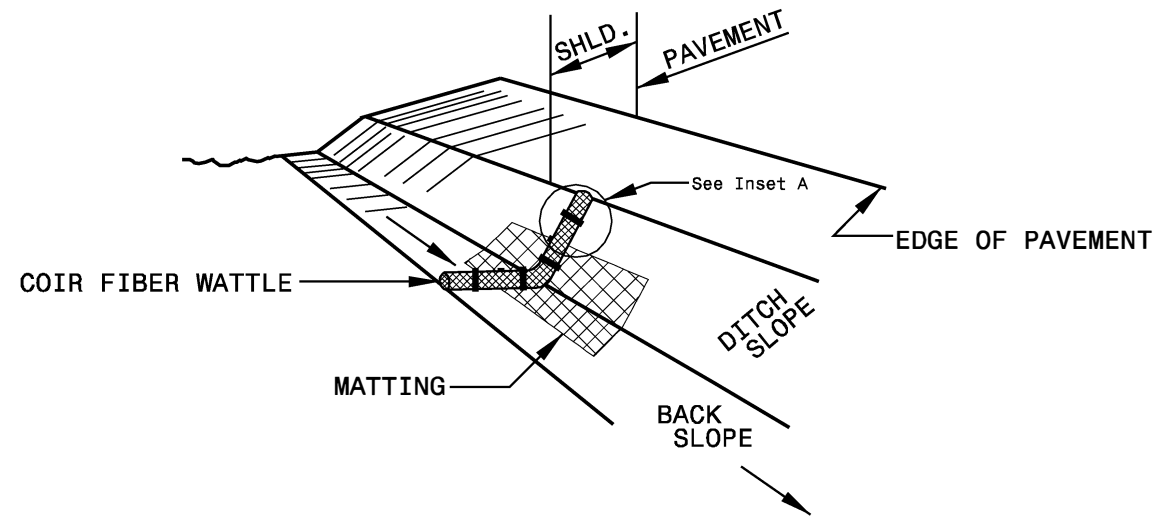
FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



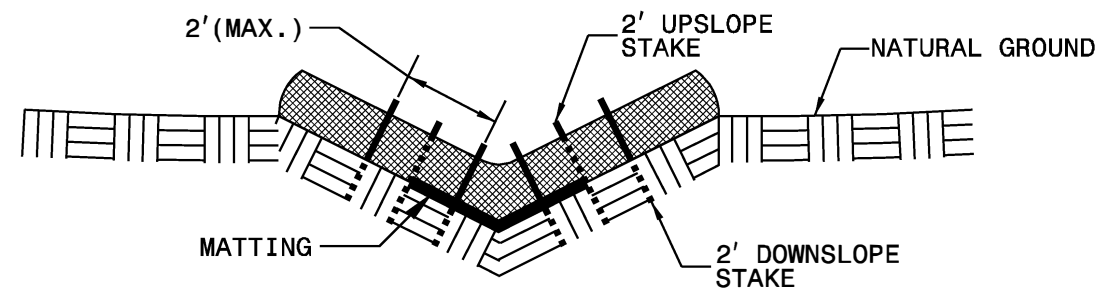
ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

# COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

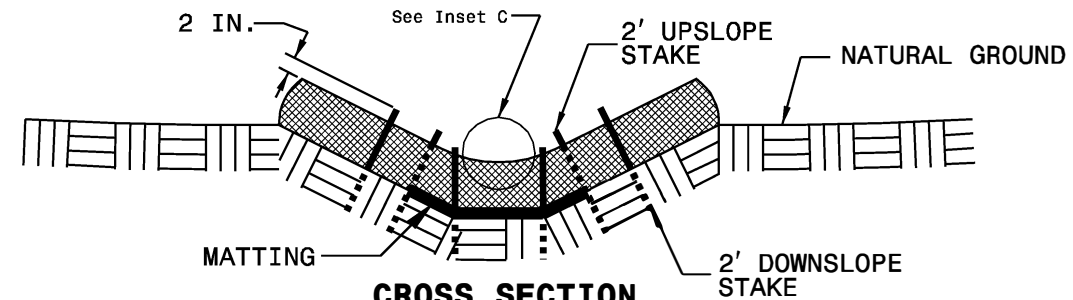
PROJECT REFERENCE NO. <b>X-XXXX</b>	SHEET NO. <b>EC-1</b>
RW. SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



**ISOMETRIC VIEW**

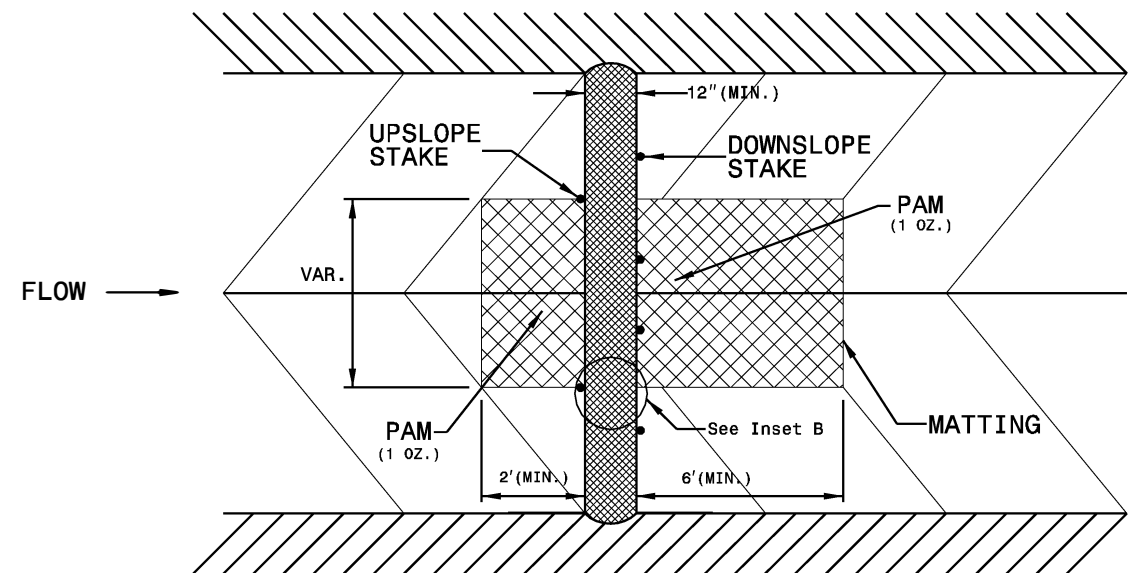
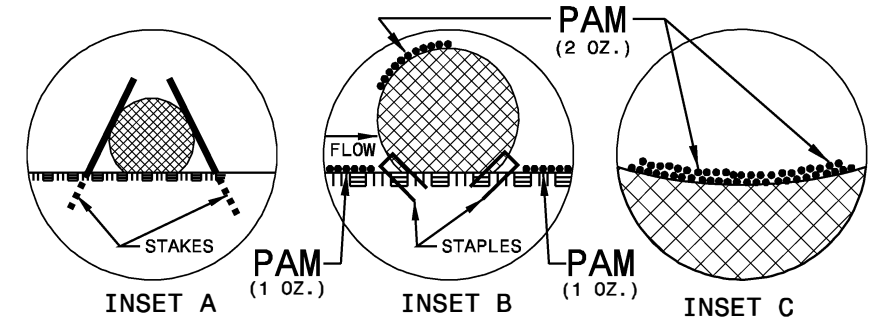


**CROSS SECTION VEE DITCH**



**CROSS SECTION TRAPEZOIDAL DITCH**

- NOTES:
- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) 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.
  - 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 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.

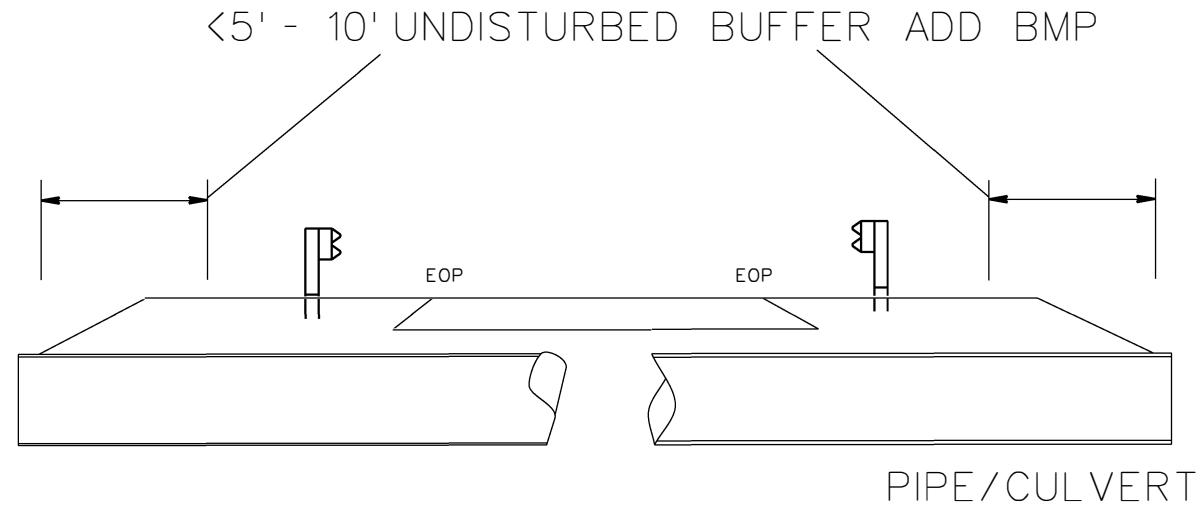


**TOP VIEW**

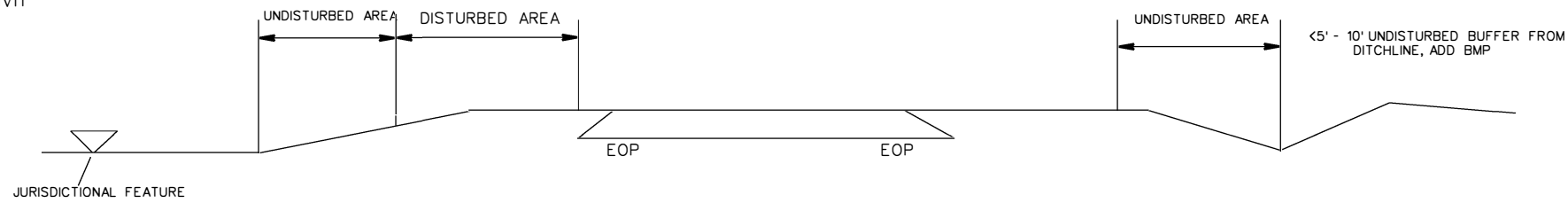
NOTES: LESS THAN 5' - 10' UNDISTURBED BUFFER FROM ROW, DITCHLINE, WATER FEATURE, OR DRAINAGE INLET, ADD BMP.

BMP OPTIONS: WATTLE OR SILT FENCE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2022CPT.10.07.10601 2022CPT.10.07.20601	EC2	
F.A. PROJECT NO.			



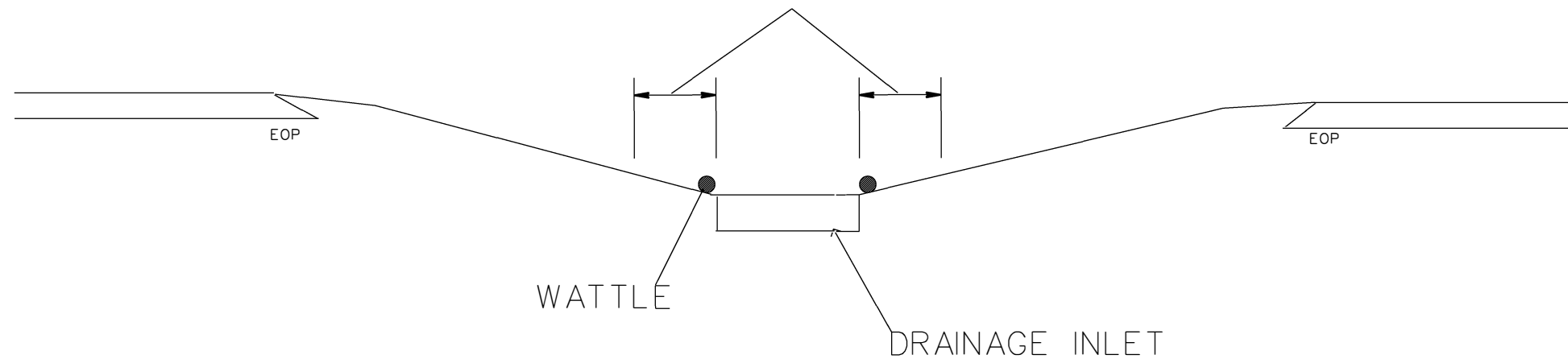
<5' - 10' UNDISTURBED BUFFER FROM JURISDICTIONAL FEATURE ADD BMP



USE BMP'S IF SHOULDERS AND/OR FRONTSLOPES AND/OR DITCHLINE AND/OR BACKSLOPES ARE DISTURBED



<5' - 10' UNDISTURBED BUFFER FROM INLET, ADD WATTLE



EROSION CONTROL DETAIL

SCALE	-NA-
DATE	11/20
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	



REVISIONS	

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.10.07.10601,	22	25
2022CPT.10.07.20601		

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH		WIDTH	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1308000000-E		1330000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	2600000000-N	2605000000-N	2612000000-E	2830000000-N	2845000000-N								
										BORROW	INCIDENTAL STONE BASE		SHOULDER RECONSTRUCTION	1 1/2" MILLING	0" TO 1.5" MILLING	0" TO 0.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, \$9.58	SURFACE COURSE, \$9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	RETROFIT EXISTING CURB RAMPS	CONCRETE CURB RAMPS	6" DRIVEWAYS	ADI. OF MANHOLES	ADI. OF METER OR VALVE BOX										
													MI	FT	CY	TONS	SMI	SY	SY	SY	SY	TONS	TONS	TONS	EA	EA	EA	EA	EA							
2022CPT.10.07.10601	Mecklenburg	1	NC 51 MATTHEWS TOWNSHIP PARKWAY	FROM N. TRADE ST. (MP 12.48) TO BRIDGE OVER US 74 (MP 13.28)	1,2,3	2	MD	NO	NO	0.8	24					15,141					1,399	84					2									
<b>TOTAL FOR MAP NO. 1</b>													<b>0.8</b>					<b>15,141</b>					<b>1,399</b>	<b>84</b>				<b>2</b>								
2022CPT.10.07.10601	Mecklenburg	2	EB NC 24 E W.T. HARRIS BLVD (EB)	FROM ROBINSON CHURCH RD (MP 14.07) TO NC 27 ALBEMARLE RD (MP 16.25)	4,5	2	MD	NO	NO	2.18	22					39,181					3,621	217		1	1		10	8								
<b>TOTAL FOR MAP NO. 2</b>													<b>2.18</b>					<b>39,181</b>					<b>3,621</b>	<b>217</b>		<b>1</b>	<b>1</b>		<b>10</b>	<b>8</b>						
2022CPT.10.07.10601	Mecklenburg	3	WB NC 24 E W.T. HARRIS BLVD (WB)	FROM NC 27 ALBEMARLE RD (MP 7.86) TO ROBINSON CHURCH RD (MP 10.04)	4,5	2	MD	NO	NO	2.18	22					38,198					3,530	212		3			10	10								
<b>TOTAL FOR MAP NO. 3</b>													<b>2.18</b>					<b>38,198</b>					<b>3,530</b>	<b>212</b>		<b>3</b>		<b>10</b>	<b>10</b>							
2022CPT.10.07.10601	Mecklenburg	4	NB NC 16 BROOKSHIRE BLVD	FROM 0.31 MILE NORTH OF MT. HOLLY HUNTERSVILLE RD (MP 24.59) TO MT. ISLAND LAKE BRIDGE (MP 26.48)	6,7	2	MD	NO	NO	1.89	28		278		3.78				1,156		3,365	202	225													
<b>TOTAL FOR MAP NO. 4</b>													<b>1.89</b>	<b>278</b>			<b>3.78</b>			<b>1,156</b>		<b>3,365</b>	<b>202</b>	<b>225</b>												
2022CPT.10.07.10601	Mecklenburg	5	SB NC 16 BROOKSHIRE BLVD	FROM MT. ISLAND LAKE BRIDGE (MP 0.12) TO 0.31 MILE NORTH OF MT. HOLLY - HUNTERSVILLE RD (MP 2.01)	6,7	2	MD	NO	NO	1.89	28		278		3.78				900		3,503	210	625													
<b>TOTAL FOR MAP NO. 5</b>													<b>1.89</b>	<b>278</b>			<b>3.78</b>			<b>900</b>		<b>3,503</b>	<b>210</b>	<b>625</b>												
<b>TOTAL FOR PROJ NO. 2022CPT.10.07.10601</b>													<b>8.94</b>		<b>556</b>		<b>7.56</b>		<b>92,520</b>			<b>2,056</b>		<b>15,418</b>	<b>925</b>	<b>850</b>	<b>4</b>	<b>1</b>	<b>22</b>	<b>18</b>						
2022CPT.10.07.20601	Mecklenburg	6	SR 1490 JOSH BIRMINGHAM PKWY	FROM BILLY GRAHAM PKWY BRIDGE(MP 0.0) TO EOM (MP 0.97)	8,9,10	2	MD	NO	NO	0.97	32		143		1.94	1,545	3,588		584		2,170	130														
<b>TOTAL FOR MAP NO. 6</b>													<b>0.97</b>	<b>143</b>			<b>1.94</b>	<b>1,545</b>	<b>3,588</b>		<b>584</b>		<b>2,170</b>	<b>130</b>												
2022CPT.10.07.20601	Mecklenburg	7	SR 1490 JOSH BIRMINGHAM PKWY	FROM EOM (MP 0.0) TO BILLY GRAHAM PARKWAY BRIDGE (MP 0.95)	8,9,10	2	MD	NO	NO	0.95	28		140		1.90		4,363		512		2,102	126														
<b>TOTAL FOR MAP NO. 7</b>													<b>0.95</b>	<b>140</b>			<b>1.90</b>		<b>4,363</b>		<b>512</b>		<b>2,102</b>	<b>126</b>												
2022CPT.10.07.20601	Mecklenburg	8	SR 1816 SCOTT FUTRELL DRIVE	FROM ASHLEY ROAD (MP 0.11) TO BILLY GRAHAM PARKWAY (MP 1.39)	11,12	2	2WU	NO	NO	1.28	42					31,870					2,945	177				8	13									
<b>TOTAL FOR MAP NO. 8</b>													<b>1.28</b>					<b>31,870</b>				<b>2,945</b>	<b>177</b>				<b>8</b>	<b>13</b>								
2022CPT.10.07.20601	Mecklenburg	9	SR 1410 WESTINGHOUSE BLVD SB	FROM SOUTH TRYON ST (MP 0.0) TO END OF DIVIDE (MP 0.14)	15	2	2WU	NO	NO	0.14	28		12		0.15	2,557					237	14		1			2									
<b>TOTAL FOR MAP NO. 9</b>													<b>0.14</b>	<b>12</b>			<b>0.15</b>	<b>2,557</b>				<b>237</b>	<b>14</b>		<b>1</b>		<b>2</b>									
2022CPT.10.07.20601	Mecklenburg	10	SR 1410 WESTINGHOUSE BLVD	FROM NC 160 STEELE CREEK ROAD (MP 1.21) TO NC 49 SOUTH TRYON ST (MP 3.33)	13,14,15	2	2WU	NO	NO	2.12	23		311		4.24	6,490	2,162		1,112		4,047	243		1			1									
<b>TOTAL FOR MAP NO. 10</b>													<b>2.12</b>	<b>311</b>			<b>4.24</b>	<b>6,490</b>	<b>2,162</b>		<b>1,112</b>		<b>4,047</b>	<b>243</b>		<b>1</b>		<b>1</b>								
2022CPT.10.07.20601	Mecklenburg	11	SR 4982 LANCASTER HIGHWAY/ S POLK STREET	FROM SR 4906 WOODSIDE FALLS RD (MP 1.59) TO NC 51 MAIN STREET (MP 4.41)	16,17,18,19	2	2WU	NO	NO	2.82	40		414	15	5.64	9,345	5,776		1,521		5,705	342	475	15		60	2	7								
<b>TOTAL FOR MAP NO. 11</b>													<b>2.82</b>	<b>414</b>	<b>15</b>		<b>5.64</b>	<b>9,345</b>	<b>5,776</b>		<b>1,521</b>		<b>5,705</b>	<b>342</b>	<b>475</b>	<b>15</b>		<b>60</b>	<b>2</b>	<b>7</b>						
2022CPT.10.07.20601	Mecklenburg	12	SR 4514 SADDLEHORSE LANE	FROM BEGIN MAINTENANCE (MP 0.0) TO EOM (MP 0.55)	20,21	2	2WU	NO	NO	0.55	23		81	55	1.10			495	194	618		41				50	1									
<b>TOTAL FOR MAP NO. 12</b>													<b>0.55</b>	<b>81</b>	<b>55</b>		<b>1.10</b>			<b>495</b>	<b>194</b>	<b>618</b>		<b>41</b>				<b>50</b>	<b>1</b>							
2022CPT.10.07.20601	Mecklenburg	13	SR 4514 SADDLEHORSE LANE	FROM BEGIN DIVIDE (MP 0.37) TO END DIVIDE (MP 0.47)	20	2		NO	NO	0.1	18		15		0.20			138	169	85		6				30	3									
<b>TOTAL FOR MAP NO. 13</b>													<b>0.1</b>	<b>15</b>			<b>0.20</b>			<b>138</b>	<b>169</b>	<b>85</b>		<b>6</b>				<b>30</b>	<b>3</b>							
2022CPT.10.07.20601	Mecklenburg	14	SR 4519 GELDING DRIVE	FROM SR 4514 SADDLEHORSE LANE (MP 0.0) TO EOM (MP 0.22)	21	2	2WU	NO	NO	0.22	24		33	10	0.44						257	17				70	2									
<b>TOTAL FOR MAP NO. 14</b>													<b>0.22</b>	<b>33</b>	<b>10</b>		<b>0.44</b>						<b>257</b>	<b>17</b>				<b>70</b>	<b>2</b>							
2022CPT.10.07.20601	Mecklenburg	15	SR 4520 STALLION COURT	FROM SR 4519 GELDING DRIVE (MP 0.0) TO EOM (MP 0.06)	21	2	MU	NO	NO	0.06	24		9	10	0.12						83	6				30	1									
<b>TOTAL FOR MAP NO. 15</b>													<b>0.06</b>	<b>9</b>	<b>10</b>		<b>0.12</b>						<b>83</b>	<b>6</b>				<b>30</b>	<b>1</b>							
2022CPT.10.07.20601	Mecklenburg	16	SR 4518 WINNERS CIRCLE	FROM SR 4514 SADDLEHORSE LANE (MP 0.0) TO EOM (MP 0.18)	21	2	2WU	NO	NO	0.18	21		27	30	0.36						204	14				40										
<b>TOTAL FOR MAP NO. 16</b>													<b>0.18</b>	<b>27</b>	<b>30</b>		<b>0.36</b>						<b>204</b>	<b>14</b>				<b>40</b>								
2022CPT.10.07.20601	Mecklenburg	17	SR 4521 WALKING HORSE LANE	FROM SR 4514 SADDLEHORSE LANE(MP 0.0) TO EOM (MP 0.17)	21	2	2WU	NO	NO	0.17	23		25	15	0.34						201	13				90	5									
<b>TOTAL FOR MAP NO. 17</b>													<b>0.17</b>	<b>25</b>	<b>15</b>		<b>0.34</b>						<b>201</b>	<b>13</b>				<b>90</b>	<b>5</b>							
2022CPT.10.07.20601	Mecklenburg	18	SR 4516 GETAWAY LANE	FROM SR 4514 SADDLEHORSE LANE (MP 0.0) TO SR 1223 APPALOOSA LANE (MP 0.32)	21	2	2WU	NO	NO	0.32	23		47	45	0.64						45	347				80										
<b>TOTAL FOR MAP NO. 18</b>													<b>0.32</b>	<b>47</b>	<b>45</b>		<b>0.64</b>						<b>45</b>	<b>347</b>				<b>80</b>								
2022CPT.10.07.20601	Mecklenburg	19	SR 4517 SADDLEVIEW COURT	FROM GETAWAY LANE (MP 0.0) TO CUL-DE-SAC (MP 0.08)	21	2	2WU	NO	NO	0.08	22		12	25	0.16						161	11				30	1									
<b>TOTAL FOR MAP NO. 19</b>													<b>0.08</b>	<b>12</b>	<b>25</b>		<b>0.16</b>						<b>161</b>	<b>11</b>				<b>30</b>	<b>1</b>							
2022CPT.10.07.20601	Mecklenburg	20	SR 4515 QUARTERHORSE COURT	FROM SR 4514 SADDLEHORSE LANE(0.0) TO EOM (0.09)	21	2	2WU	NO	NO	0.09	23		14	25	0.18						116	8				30										
<b>TOTAL FOR MAP NO. 20</b>													<b>0.09</b>	<b>14</b>	<b>25</b>		<b>0.18</b>						<b>116</b>	<b>8</b>				<b>30</b>								
<b>TOTAL FOR PROJ NO. 2022CPT.10.07.20601</b>													<b>10.05</b>		<b>1,283</b>		<b>230</b>		<b>17.41</b>		<b>51,807</b>		<b>15,889</b>	<b>633</b>	<b>6,193</b>		<b>2,072</b>		<b>32,624</b>	<b>2,096</b>	<b>1,325</b>	<b>21</b>	<b>1</b>	<b>510</b>	<b>48</b>	<b>38</b>
<b>GRAND TOTAL</b>													<b>18.99</b>		<b>1,839</b>		<b>230</b>		<b>24.97</b>		<b>144,327</b>		<b>15,889</b>	<b>633</b>	<b>6,193</b>		<b>2,072</b>		<b>32,624</b>	<b>2,096</b>	<b>1,325</b>	<b>21</b>	<b>1</b>	<b>510</b>	<b>48</b>	<b>38</b>

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.10.07.10601	23	25
2022CPT.10.07.20601		

### SUMMARY OF QUANTITIES (Continued)

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	525500000-N	600000000-E	600900000-E	601200000-E	6071010000	6071020000	608400000-E	460000000-N				
												PORTABLE LIGHTING	TEMPORARY SILT FENCE	STONE FOR EROSION CONTROL, CLASS B	SEDIMENT CONTROL STONE	WATTLE	POLYACRYL AMIDE (PAM)	SEED & MULCHING	AUDIBLE WARNING DEVICES	TEMPORARY CURB RAMPS			
												LS	LF	TN	TN	LF	LB	AC	EA	EA			
2022CPT.10.07.10601	Mecklenburg	1	NC 51 MATTHEWS TOWNSHIP PARKWAY	FROM N. TRADE ST. (MP 12.48) TO BRIDGE OVER US 74 (MP 13.28)	1,2,3	2	MD	NO	NO	0.8	24	0.09											
<b>TOTAL FOR MAP NO. 1</b>												<b>0.8</b>	<b>0.09</b>										
2022CPT.10.07.10601	Mecklenburg	2	EB NC 24 E W.T. HARRIS BLVD (EB)	FROM ROBINSON CHURCH RD (MP 14.07) TO NC 27 ALBEMARLE RD (MP 16.25)	4,5	2	MD	NO	NO	2.18	22	0.09								2	2		
<b>TOTAL FOR MAP NO. 2</b>												<b>2.18</b>	<b>0.09</b>								<b>2</b>	<b>2</b>	
2022CPT.10.07.10601	Mecklenburg	3	WB NC 24 E W.T. HARRIS BLVD (WB)	FROM NC 27 ALBEMARLE RD (MP 7.86) TO ROBINSON CHURCH RD (MP 10.04)	4,5	2	MD	NO	NO	2.18	22	0.09								2	2		
<b>TOTAL FOR MAP NO. 3</b>												<b>2.18</b>	<b>0.09</b>								<b>2</b>	<b>2</b>	
2022CPT.10.07.10601	Mecklenburg	4	NB NC 16 BROOKSHIRE BLVD	FROM 0.31 MILE NORTH OF MT. HOLLY HUNTERSVILLE RD (MP 24.59) TO MT. ISLAND LAKE BRIDGE (MP 26.48)	6,7	2	MD	NO	NO	1.89	28	0.09	284	38	19	57	1	1.8					
<b>TOTAL FOR MAP NO. 4</b>												<b>1.89</b>	<b>0.09</b>	<b>284</b>	<b>38</b>	<b>19</b>	<b>57</b>	<b>1</b>	<b>1.8</b>				
2022CPT.10.07.10601	Mecklenburg	5	SB NC 16 BROOKSHIRE BLVD	FROM MT. ISLAND LAKE BRIDGE (MP 0.12) TO 0.31 MILE NORTH OF MT. HOLLY - HUNTERSVILLE RD (MP 2.01)	6,7	2	MD	NO	NO	1.89	28	0.09	284	38	19	57	1	1.8					
<b>TOTAL FOR MAP NO. 5</b>												<b>1.89</b>	<b>0.09</b>	<b>284</b>	<b>38</b>	<b>19</b>	<b>57</b>	<b>1</b>	<b>1.8</b>				
<b>TOTAL FOR PROJ NO. 2022CPT.10.07.10601</b>												<b>8.94</b>	<b>0.45</b>	<b>568</b>	<b>76</b>	<b>38</b>	<b>114</b>	<b>2</b>	<b>3.6</b>			<b>4</b>	<b>4</b>
2022CPT.10.07.20601	Mecklenburg	6	SR 1490 JOSH BIRMINGHAM PKWY	FROM BILLY GRAHAM PKWY BRIDGE(MP 0.0) TO EOM (MP 0.97)	8,9,10	2	MD	NO	NO	0.97	32	0.09	145	19	10	29	1	0.9					
<b>TOTAL FOR MAP NO. 6</b>												<b>0.97</b>	<b>0.09</b>	<b>145</b>	<b>19</b>	<b>10</b>	<b>29</b>	<b>1</b>	<b>0.9</b>				
2022CPT.10.07.20601	Mecklenburg	7	SR 1490 JOSH BIRMINGHAM PKWY	FROM EOM (MP 0.0) TO BILLY GRAHAM PARKWAY BRIDGE (MP 0.95)	8,9,10	2	MD	NO	NO	0.95	28	0.09	143	19	10	29	1	0.9					
<b>TOTAL FOR MAP NO. 7</b>												<b>0.95</b>	<b>0.09</b>	<b>143</b>	<b>19</b>	<b>10</b>	<b>29</b>	<b>1</b>	<b>0.9</b>				
2022CPT.10.07.20601	Mecklenburg	8	SR 1816 SCOTT FUTRELL DRIVE	FROM ASHLEY ROAD (MP 0.11) TO BILLY GRAHAM PARKWAY (MP 1.39)	11,12	2	2WU	NO	NO	1.28	42	0.09											
<b>TOTAL FOR MAP NO. 8</b>												<b>1.28</b>	<b>0.09</b>										
2022CPT.10.07.20601	Mecklenburg	9	SR 1410 WESTINGHOUSE BLVD SB	FROM SOUTH TRYON ST (MP 0.0) TO END OF DIVIDE (MP 0.14)	15	2	2WU	NO	NO	0.14	28	0.09							0.1				
<b>TOTAL FOR MAP NO. 9</b>												<b>0.14</b>	<b>0.09</b>								<b>0.1</b>		
2022CPT.10.07.20601	Mecklenburg	10	SR 1410 WESTINGHOUSE BLVD	FROM NC 160 STEELE CREEK ROAD (MP 1.21) TO NC 49 SOUTH TRYON ST (MP 3.33)	13,14,15	2	2WU	NO	NO	2.12	23	0.09	318	42	20	64	1	2.1					
<b>TOTAL FOR MAP NO. 10</b>												<b>2.12</b>	<b>0.09</b>	<b>318</b>	<b>42</b>	<b>20</b>	<b>64</b>	<b>1</b>	<b>2.1</b>				
2022CPT.10.07.20601	Mecklenburg	11	SR 4982 LANCASTER HIGHWAY/ S POLK STREET	FROM SR 4906 WOODSIDE FALLS RD (MP 1.59) TO NC 51 MAIN STREET (MP 4.41)	16,17,18,19	2	2WU	NO	NO	2.82	40	0.09	423	56	28	85	1	2.6		2			
<b>TOTAL FOR MAP NO. 11</b>												<b>2.82</b>	<b>0.09</b>	<b>423</b>	<b>56</b>	<b>28</b>	<b>85</b>	<b>1</b>	<b>2.6</b>		<b>2</b>		
2022CPT.10.07.20601	Mecklenburg	12	SR 4514 SADDLEHORSE LANE	FROM BEGIN MAINTENANCE (MP 0.0) TO EOM (MP 0.55)	20,21	2	2WU	NO	NO	0.55	23		83	11	6	17	1	0.5					
<b>TOTAL FOR MAP NO. 12</b>												<b>0.55</b>		<b>83</b>	<b>11</b>	<b>6</b>	<b>17</b>	<b>1</b>	<b>0.5</b>				
2022CPT.10.07.20601	Mecklenburg	13	SR 4514 SADDLEHORSE LANE	FROM BEGIN DIVIDE (MP 0.37) TO END DIVIDE (MP 0.47)	20	2		NO	NO	0.1	18		15	2	1	3	1	0.1					
<b>TOTAL FOR MAP NO. 13</b>												<b>0.1</b>		<b>15</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>0.1</b>				
2022CPT.10.07.20601	Mecklenburg	14	SR 4519 GELDING DRIVE	FROM SR 4514 SADDLEHORSE LANE (MP 0.0) TO EOM (MP 0.22)	21	2	2WU	NO	NO	0.22	24		33	4	2	7	1	0.2					
<b>TOTAL FOR MAP NO. 14</b>												<b>0.22</b>		<b>33</b>	<b>4</b>	<b>2</b>	<b>7</b>	<b>1</b>	<b>0.2</b>				
2022CPT.10.07.20601	Mecklenburg	15	SR 4520 STALLION COURT	FROM SR 4519 GELDING DRIVE (MP 0.0) TO EOM (MP 0.06)	21	2	MU	NO	NO	0.06	24		9	1	1	2	1	0.1					
<b>TOTAL FOR MAP NO. 15</b>												<b>0.06</b>		<b>9</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0.1</b>				
2022CPT.10.07.20601	Mecklenburg	16	SR 4518 WINNERS CIRCLE	FROM SR 4514 SADDLEHORSE LANE (MP 0.0) TO EOM (MP 0.18)	21	2	2WU	NO	NO	0.18	21		27	4	2	5	1	0.2					
<b>TOTAL FOR MAP NO. 16</b>												<b>0.18</b>		<b>27</b>	<b>4</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>0.2</b>				
2022CPT.10.07.20601	Mecklenburg	17	SR 4521 WALKING HORSE LANE	FROM SR 4514 SADDLEHORSE LANE(MP 0.0) TO EOM (MP 0.17)	21	2	2WU	NO	NO	0.17	23		26	3	2	5	1	0.2					
<b>TOTAL FOR MAP NO. 17</b>												<b>0.17</b>		<b>26</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>0.2</b>				
2022CPT.10.07.20601	Mecklenburg	18	SR 4516 GETAWAY LANE	FROM SR 4514 SADDLEHORSE LANE (MP 0.0) TO SR 1223 APPALOOSA LANE (MP 0.32)	21	2	2WU	NO	NO	0.32	23		36	5	2	7	1	0.3					
<b>TOTAL FOR MAP NO. 18</b>												<b>0.32</b>		<b>36</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>1</b>	<b>0.3</b>				
2022CPT.10.07.20601	Mecklenburg	19	SR 4517 SADDLEVIEW COURT	FROM GETAWAY LANE (MP 0.0) TO CUL-DE-SAC (MP 0.08)	21	2	2WU	NO	NO	0.08	22		8	1	1	2	1	0.1					
<b>TOTAL FOR MAP NO. 19</b>												<b>0.08</b>		<b>8</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0.1</b>				
2022CPT.10.07.20601	Mecklenburg	20	SR 4515 QUARTERHORSE COURT	FROM SR 4514 SADDLEHORSE LANE(0.0) TO EOM (0.09)	21	2	2WU	NO	NO	0.09	23		14	2	1	3	1	0.1					
<b>TOTAL FOR MAP NO. 20</b>												<b>0.09</b>		<b>14</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>0.1</b>				
<b>TOTAL FOR PROJ NO. 2022CPT.10.07.20601</b>												<b>10.05</b>		<b>0.55</b>	<b>1,280</b>	<b>169</b>	<b>86</b>	<b>258</b>	<b>13</b>	<b>8.4</b>		<b>2</b>	
<b>GRAND TOTAL</b>												<b>18.99</b>		<b>1.00</b>	<b>1,848</b>	<b>245</b>	<b>124</b>	<b>372</b>	<b>15</b>	<b>12.0</b>		<b>4</b>	<b>6</b>

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.10.07.10601	24	25
2022CPT.10.07.20601		

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4447000000-E	4457000000-E	4510000000-N	4685000000-E		4695000000-E		4700000000-E	4720000000-E	4725000000-E			4770000000-E		4775000000-E	4810000000-E								
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	PEDESTRIAN CHANNELIZING DEVICES	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	THERMOPLASTIC PAVEMENT MARKINGLINE S WHITE (4", 90 MILS)	THERMOPLASTIC PAVEMENT MARKINGLINE S YELLOW (4", 90 MILS)	THERMOPLASTIC PAVEMENT MARKINGLINE S WHITE (8", 90 MILS)	THERMOPLASTIC PAVEMENT MARKINGLINE S YELLOW (8", 90 MILS)	THERMOPLASTIC PAVEMENT MARKINGLINE S WHITE (12", 90 MILS)	THERMOPLASTIC PAVEMENT MARKINGCHARACTER (90 MILS)	THERMO ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR ARROW 90 M	THERMO STR & RT ARROW 90 M	MERGE ARROW	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, WHITE TYPE II (4")	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, YELLOW TYPE II (4")	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, WHITE ON BLACK TYPE II (6")	4" WHITE PAINT	4" YELLOW PAINT					
								MI	FT	SF	LF	LS	HR	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA					
2022CPT.10.07.10601	Mecklenburg	1	NC 51 MATTHEWS TOWNSHIP PARKWAY	FROM N. TRADE ST. (MP 12.48) TO BRIDGE OVER US 74 (MP 13.28)	1,2,3	2	MD	0.8	24	126		0.05	200	2,575	471	326		125		7	5	5	3					2,575	471					
TOTAL FOR MAP NO. 1									0.8		126		0.05	200	2,575	471	326		125		7	5	5	3					2,575	471				
2022CPT.10.07.10601	Mecklenburg	2	EB NC 24 E W.T. HARRIS BLVD (EB)	FROM ROBINSON CHURCH RD (MP 14.07) TO NC 27 ALBEMARLE RD (MP 16.25)	4,5	2	MD	2.18	22	126	11	0.05	160	4,661	5,570	1,960			6	17	4	26	6			155	155	40	4,661	5,570				
TOTAL FOR MAP NO. 2									2.18		126		0.05	160	4,661	5,570	1,960			6	17	4	26	6			155	155	40	4,661	5,570			
2022CPT.10.07.10601	Mecklenburg	3	WB NC 24 E W.T. HARRIS BLVD (WB)	FROM NC 27 ALBEMARLE RD (MP 7.86) TO ROBINSON CHURCH RD (MP 10.04)	4,5	2	MD	2.18	22	126	11	0.05	160	6,781	6,086	2,112			14	23	5	27	8			156	156	50	6,781	6,086				
TOTAL FOR MAP NO. 3									2.18		126		0.05	160	6,781	6,086	2,112			14	23	5	27	8			156	156	50	6,781	6,086			
2022CPT.10.07.10601	Mecklenburg	4	NB NC 16 BROOKSHIRE BLVD	FROM 0.31 MILE NORTH OF MT. HOLLY HUNTERSVILLE RD (MP 24.59) TO MT. ISLAND LAKE BRIDGE (MP 26.48)	6,7	2	MD	1.89	28	126		0.05	40	13,272	9,985					6	3													
TOTAL FOR MAP NO. 4									1.89		126		0.05	40	13,272	9,985					6	3												
2022CPT.10.07.10601	Mecklenburg	5	SB NC 16 BROOKSHIRE BLVD	FROM MT. ISLAND LAKE BRIDGE (MP 0.12) TO 0.31 MILE NORTH OF MT. HOLLY - HUNTERSVILLE RD (MP 2.01)	6,7	2	MD	1.89	28	126		0.05	40	13,323	10,170	665				6	1													
TOTAL FOR MAP NO. 5									1.89		126		0.05	40	13,323	10,170	665					6	1											
TOTAL FOR PROJ NO. 2022CPT.10.07.10601									8.94		630		0.25	600	40,612	32,282	5,063			125	20	59	18	58	17			311	311	90	14,017	12,127		
															72,894	5,063							152			622			26,144					
2022CPT.10.07.20601	Mecklenburg	6	SR 1490 JOSH BIRMINGHAM PKWY	FROM BILLY GRAHAM PKWY BRIDGE(MP 0.0) TO EOM (MP 0.97)	8,9,10	2	MD	0.97	32	126		0.05		5,579	4,850	1,600																		
TOTAL FOR MAP NO. 6									0.97		126		0.05		5,579	4,850	1,600																	
2022CPT.10.07.20601	Mecklenburg	7	SR 1490 JOSH BIRMINGHAM PKWY	FROM EOM (MP 0.0) TO BILLY GRAHAM PARKWAY BRIDGE (MP 0.95)	8,9,10	2	MD	0.95	28	126		0.05		6,093	4,796	960																		
TOTAL FOR MAP NO. 7									0.95		126		0.05		6,093	4,796	960																	
2022CPT.10.07.20601	Mecklenburg	8	SR 1816 SCOTT FUTRELL DRIVE	FROM ASHLEY ROAD (MP 0.11) TO BILLY GRAHAM PARKWAY (MP 1.39)	11,12	2	2WU	1.28	42	144		0.05	80	6,885	16,774	440	312			13	13	1						6,885	16,774					
TOTAL FOR MAP NO. 8									1.28		144		0.05	80	6,885	16,774	440	312			13	13	1						6,885	16,774				
2022CPT.10.07.20601	Mecklenburg	9	SR 1410 WESTINGHOUSE BLVD SB	FROM SOUTH TRYON ST (MP 0.0) TO END OF DIVIDE (MP 0.14)	15	2	2WU	0.14	28	16		0.05	40	1,073	650	212				3								1,073	650					
TOTAL FOR MAP NO. 9									0.14		16		0.05	40	1,073	650	212					3								1,073	650			
2022CPT.10.07.20601	Mecklenburg	10	SR 1410 WESTINGHOUSE BLVD	FROM NC 160 STEELE CREEK ROAD (MP 1.21) TO NC 49 SOUTH TRYON ST (MP 3.33)	13,14,15	2	2WU	2.12	23	237		0.05		22,301	26,155	404	507			4	31	11	6				22,301	26,155						
TOTAL FOR MAP NO. 10									2.12		237		0.05		22,301	26,155	404	507			4	31	11	6					22,301	26,155				
2022CPT.10.07.20601	Mecklenburg	11	SR 4982 LANCASTER HIGHWAY/ S POLK STREET	FROM SR 4906 WOODSIDE FALLS RD (MP 1.59) TO NC 51 MAIN STREET (MP 4.41)	16,17,18,19	2	2WU	2.82	40	316		0.05	200	28,052	45,546	731	1,690			55	11	2	14			456	744							
TOTAL FOR MAP NO. 11									2.82		316		0.05	200	28,052	45,546	731	1,690			55	11	2	14			456	744						
2022CPT.10.07.20601	Mecklenburg	12	SR 4514 SADDLEHORSE LANE	FROM BEGIN MAINTENANCE (MP 0.0) TO EOM (MP 0.55)	20,21	2	2WU	0.55	23			0.05		80																				
TOTAL FOR MAP NO. 12									0.55				0.05		80																			
2022CPT.10.07.20601	Mecklenburg	13	SR 4514 SADDLEHORSE LANE	FROM BEGIN DIVIDE (MP 0.37) TO END DIVIDE (MP 0.47)	20	2		0.1	18			0.05																						
TOTAL FOR MAP NO. 13									0.1				0.05																					
2022CPT.10.07.20601	Mecklenburg	14	SR 4519 GELDING DRIVE	FROM SR 4514 SADDLEHORSE LANE (MP 0.0) TO EOM (MP 0.22)	21	2	2WU	0.22	24			0.05																						
TOTAL FOR MAP NO. 14									0.22				0.05																					
2022CPT.10.07.20601	Mecklenburg	15	SR 4520 STALLION COURT	FROM SR 4519 GELDING DRIVE (MP 0.0) TO EOM (MP 0.06)	21	2	MU	0.06	24			0.05																						
TOTAL FOR MAP NO. 15									0.06				0.05																					
2022CPT.10.07.20601	Mecklenburg	16	SR 4518 WINNERS CIRCLE	FROM SR 4514 SADDLEHORSE LANE (MP 0.0) TO EOM (MP 0.18)	21	2	2WU	0.18	21			0.05																						
TOTAL FOR MAP NO. 16									0.18				0.05																					
2022CPT.10.07.20601	Mecklenburg	17	SR 4521 WALKING HORSE LANE	FROM SR 4514 SADDLEHORSE LANE(MP 0.0) TO EOM (MP 0.17)	21	2	2WU	0.17	23			0.05																						
TOTAL FOR MAP NO. 17									0.17				0.05																					
2022CPT.10.07.20601	Mecklenburg	18	SR 4516 GETAWAY LANE	FROM SR 4514 SADDLEHORSE LANE (MP 0.0) TO SR 1223 APPALOOSA LANE (MP 0.32)	21	2	2WU	0.32	23			0.05																						
TOTAL FOR MAP NO. 18									0.32				0.05																					
2022CPT.10.07.20601	Mecklenburg	19	SR 4517 SADDLEVIEW COURT	FROM GETAWAY LANE (MP 0.0) TO CUL-DE-SAC (MP 0.08)	21	2	2WU	0.08	22			0.05																						
TOTAL FOR MAP NO. 19									0.08				0.05																					
2022CPT.10.07.20601	Mecklenburg	20	SR 4515 QUARTERHORSE COURT	FROM SR 4514 SADDLEHORSE LANE(0.0) TO EOM (0.09)	21	2	2WU	0.09	23			0.05																						
TOTAL FOR MAP NO. 20									0.09				0.05																					
TOTAL FOR PROJ NO. 2022CPT.10.07.20601									10.05		965		1	320	70,063	98,771	4,347	2,509			4	102	35	9	14	6			456	744			30,259	43,579
															168,834	6,856							166			1,200			73,838					
GRAND TOTAL									18.99		1,595		22	1	920	110,675	131,053	9,410	2,509	125	24	161	53	67	31	6			767	1,055	90	44,276	55,706	
																241,728	11,919							318			1,822			99,982				



