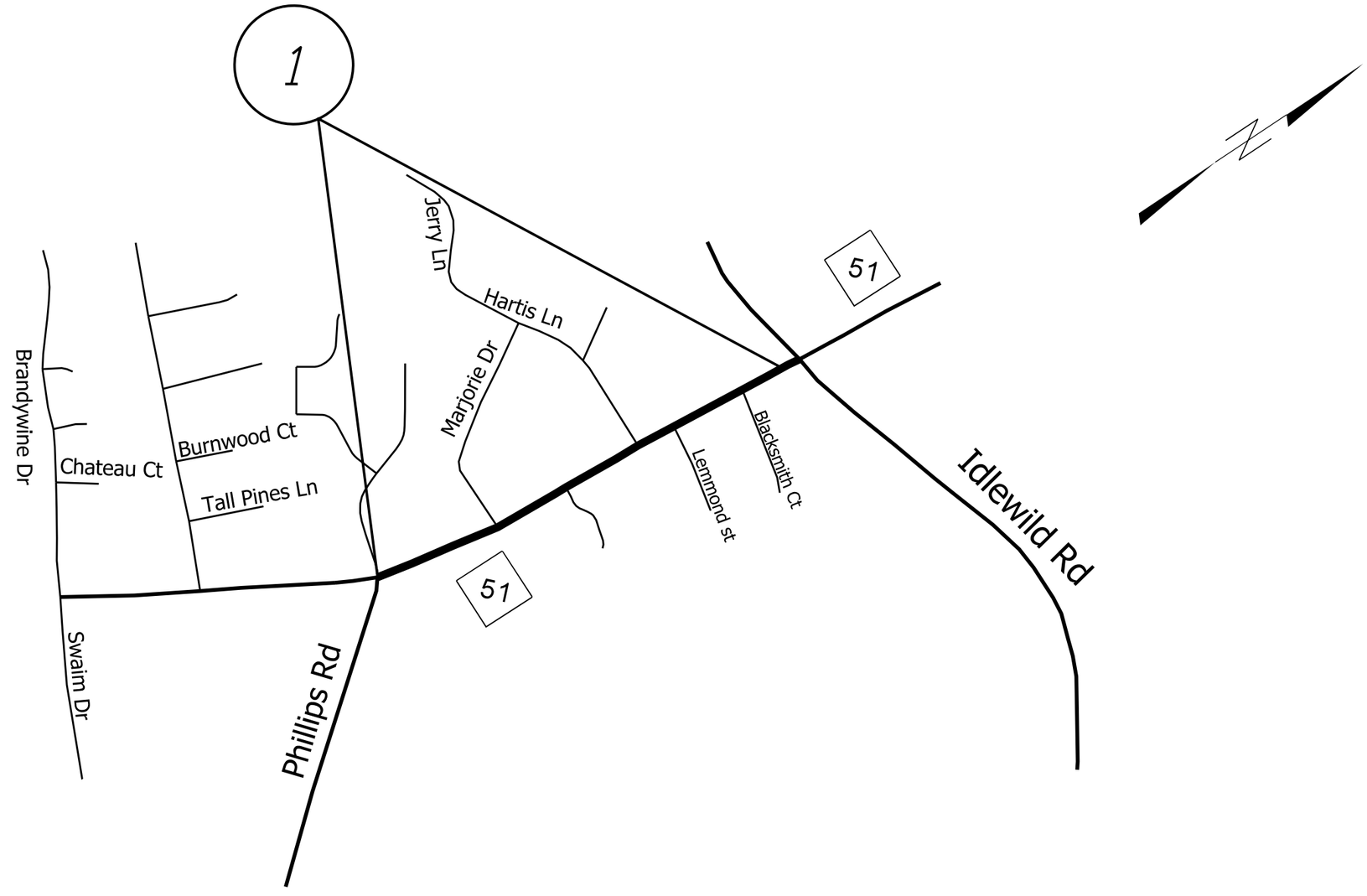
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		1	
WBS NO.	2018CPT.10.07.10601.1, ETC.		



MAP

#1 NC 51 MATTHEWS-MINT HILL RD (NB)

DESCRIPTION

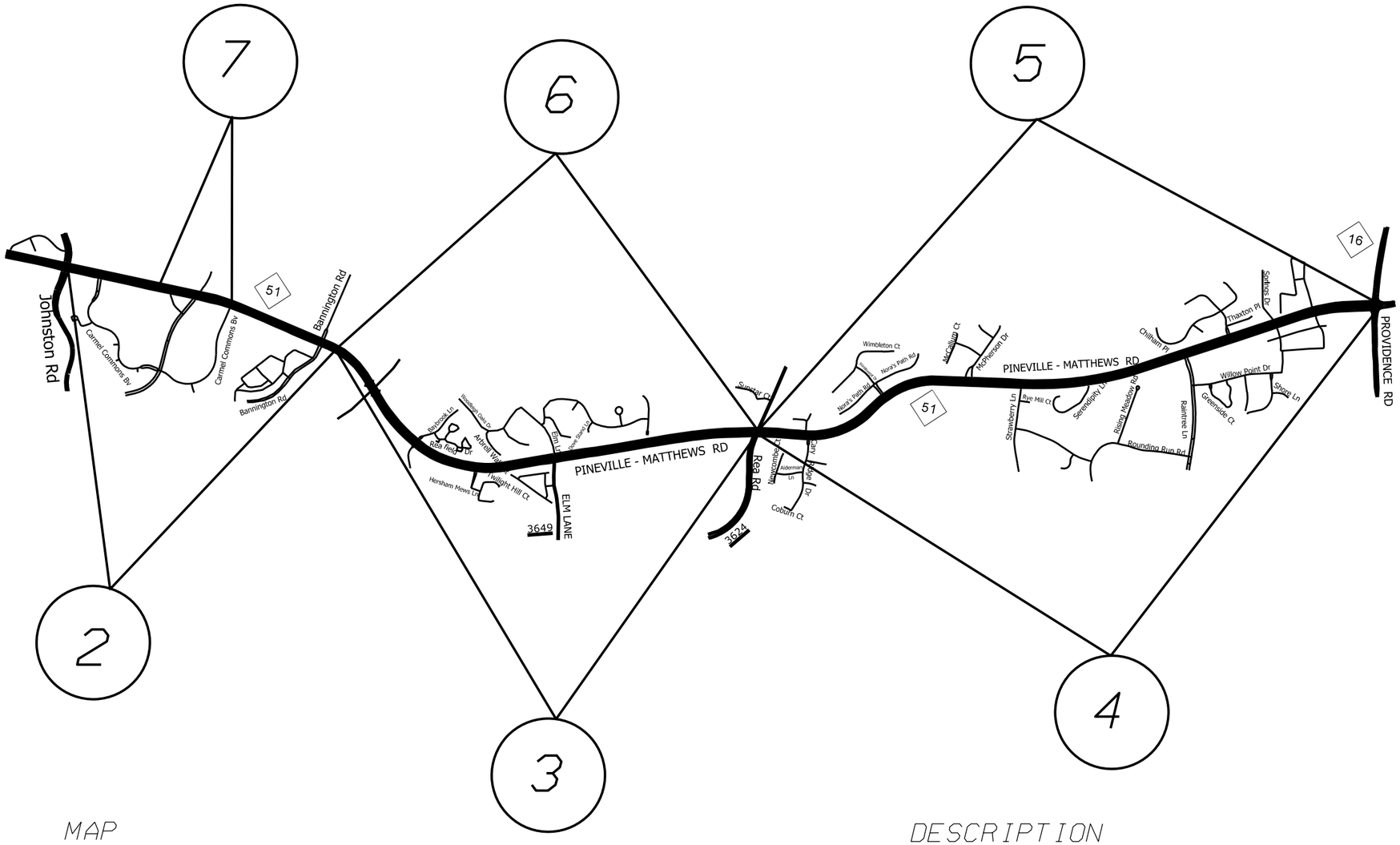
FROM PVT. JT. AT PHILLIPS RD TO ROUNDABOUT

2018-2019 MECKLENBURG COUNTY RESURFACING

SCALE	-NA-
DATE	1/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

REVISIONS	
2/23/18	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		2	
WBS NO.	2018CPT.10.07.10601.1, ETC.		



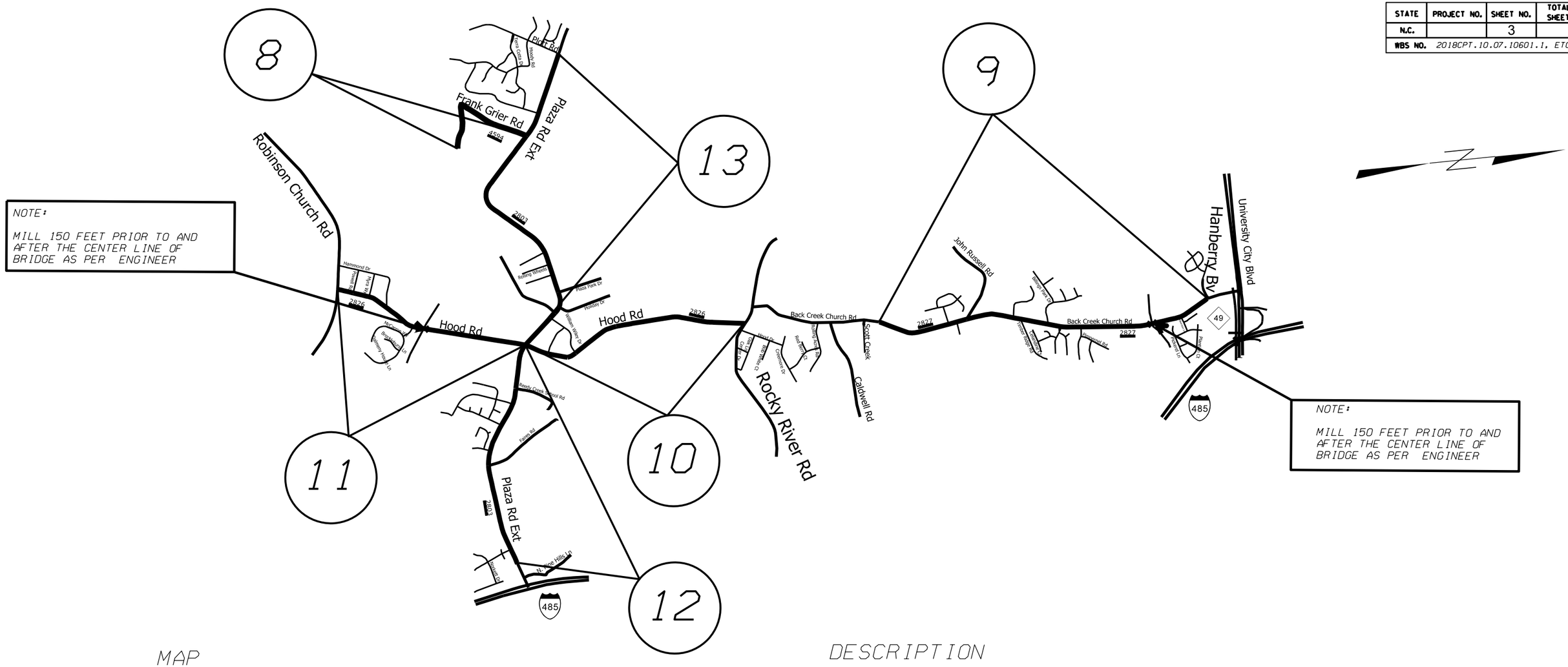
MAP	DESCRIPTION
#2 NC 51 PINEVILLE-MATTHEWS RD (NB)	FROM JOHNSTON RD NB TO BEGIN DIVIDE
#3 NC 51 PINEVILLE-MATTHEWS RD (NB)	FROM BEGIN DIVIDE NB TO REA RD
#4 NC 51 PINEVILLE-MATTHEWS RD (NB)	FROM REA RD TO NC 16 PROVIDENCE RD
#5 NC 51 PINEVILLE-MATTHEWS RD (SB)	FROM NC 16 PROVIDENCE RD TO REA RD
#6 NC 51 PINEVILLE-MATTHEWS RD (SB)	FROM REA RD SB TO END DIVIDE
#7 NC 51 PINEVILLE-MATTHEWS RD (SB)	FROM BEGIN DIVIDE SB TO END DIVIDE

2018-2019 MECKLENBURG COUNTY RESURFACING

SCALE	-NA-
DATE	1/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

REVISIONS	
2/23/18	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		3	
WBS NO.	2018CPT.10.07.10601.1, ETC.		



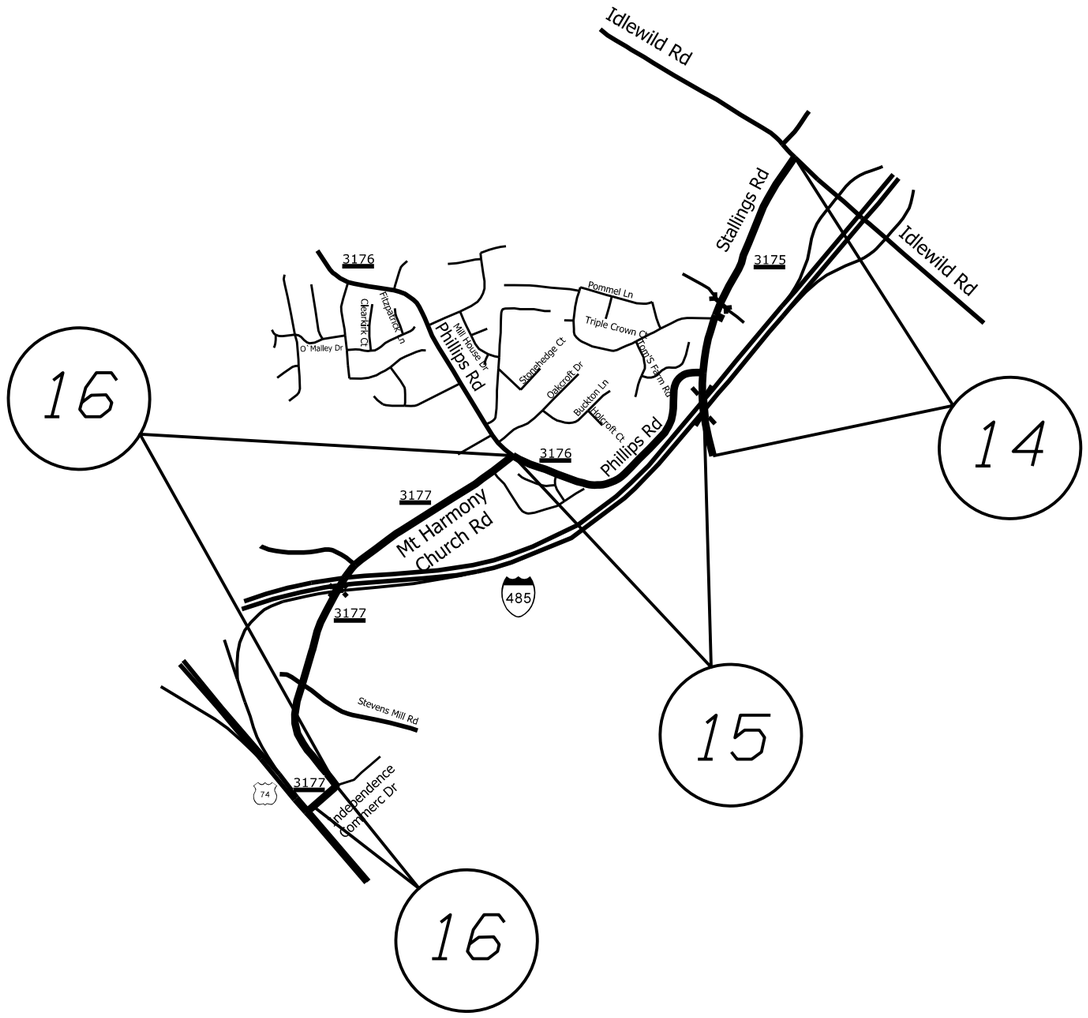
MAP	DESCRIPTION
#8 SR 4594 FRANK GRIER RD	FROM PLAZA RD EXT. TO END MAINT.
#9 SR 2827 BACK CREEK CHURCH RD	FROM 500 FT NORTH OF SCOTT CREEK TO HANBERRY BLVD
#10 SR 2826 HOOD ROAD	FROM ROCKY RIVER RD TO PLAZA RD EXT.
#11 SR 2826 HOOD ROAD	FROM PLAZA RD EXT TO ROBINSON CHURCH RD
#12 SR 2803 PLAZA RD. EXT.	FROM PAVEMENT JT. WEST OF PINE HILL LANE TO HOOD RD
#13 SR 2803 PLAZA RD. EXT.	FROM HOOD RD TO PLOTT RD

2018-2019 MECKLENBURG COUNTY RESURFACING

		REVISIONS	
SCALE	-NA-	2/23/18	
DATE	1/18		
DWG. BY	JHE		
DESIGN BY	JHE		
APPROVED			

DIVISION OF HIGHWAYS
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DISTRICT 2

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		4	
WBS NO.	2018CPT.10.07.10601.1, ETC.		



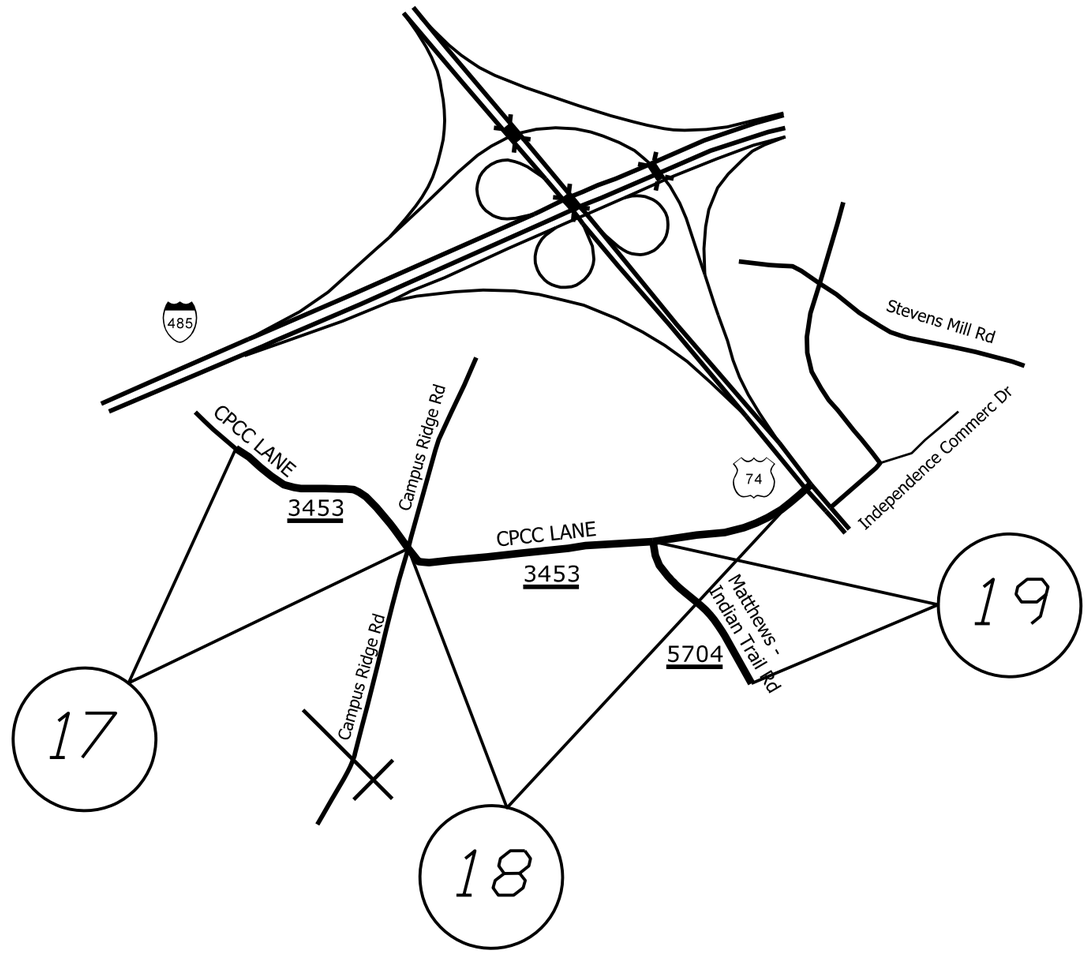
MAP	DESCRIPTION
#14 SR 3175 STALLINGS RD	FROM UNION COUNTY LINE TO IDLEWILD RD
#15 SR 3176 PHILLIPS RD	FROM STALLINGS RD TO MT. HARMONY CHURCH RD
#16 SR 3177 MT. HARMONY CHURCH RD	FROM PHILLIPS RD TO INDEPENDENCE COMMERCE DR
#16 SR 3177 INDEPENDENCE COMMERCE DR	FROM MT. HARMONY CHURCH RD TO US 74

2018-2019 MECKLENBURG COUNTY RESURFACING

SCALE	-NA-
DATE	1/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

REVISIONS	
2/23/18	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		5	
WBS NO.	2018CPT.10.07.10601.1, ETC.		



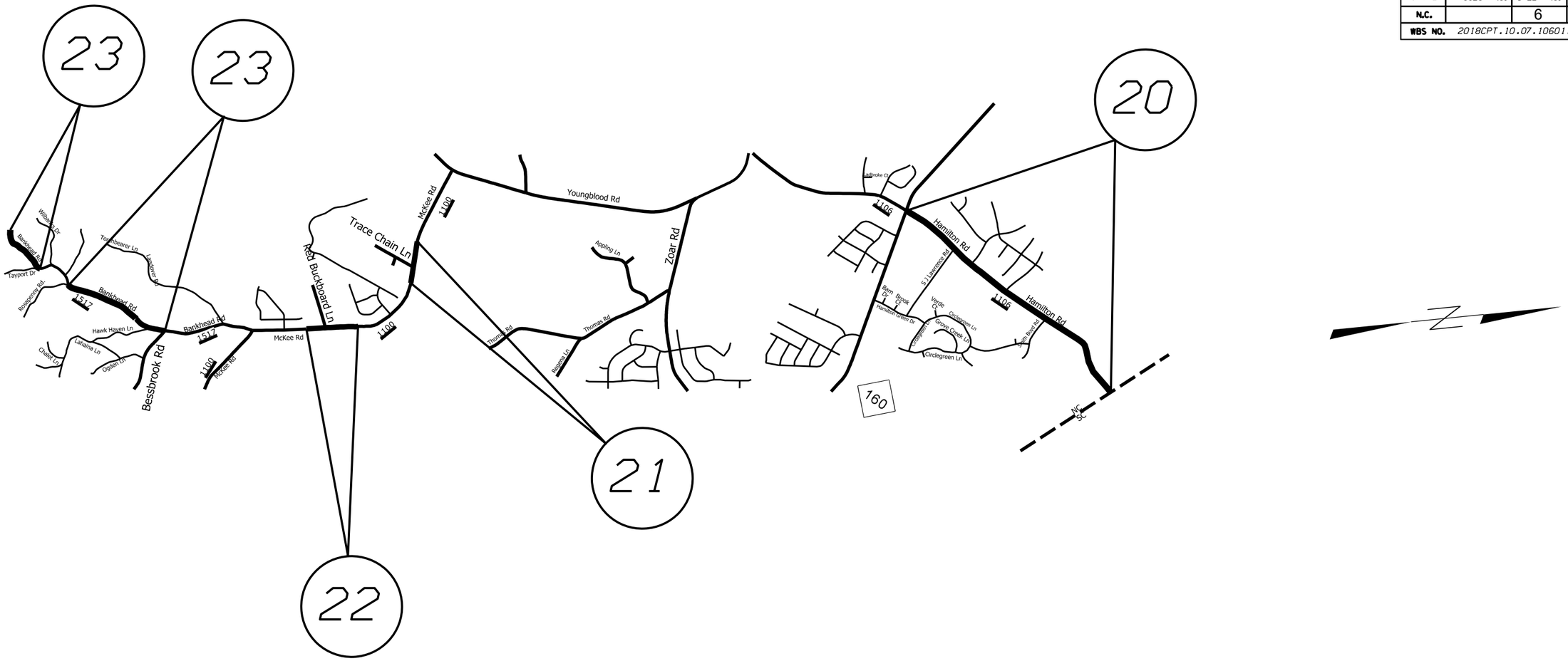
MAP	DESCRIPTION
#17 SR 3453 CPCC LANE	FROM BEGIN MAINTENANCE TO CAMPUS RIDGE RD
#18 SR 3453 CPCC LANE	FROM CAMPUS RIDGE RD TO US 74
#19 SR 5704 MATTHEWS INDIAN TRAIL RD	FROM UNION COUNTY TO CPCC LANE

2018-2019 MECKLENBURG COUNTY
RESURFACING

SCALE	-NA-
DATE	1/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

REVISIONS	
2/23/18	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		6	
WBS NO.	2018CPT.10.07.10601.1, ETC.		



MAP	DESCRIPTION
#20 SR 1106 HAMILTON ROAD	FROM NC 160 TO SOUTH CAROLINA LINE
#21 SR 1100 MCKEE ROAD	FROM NORTH OF TRACE CHAIN LANE NEW PAVT. JT. TO SOUTH OF TRACE CHAIN LANE NEW PAVT. JOINT
#22 SR 1100 MCKEE ROAD	FROM NORTH OF RED BUCKBOARD LANE NEW PAVT. JT. TO SOUTH OF RED BUCKBOARD LN NEW PAVT JT.
#23 SR 1517 BANKHEAD ROAD	FROM BESSBROOK ROAD TO END OF MAINTENANCE

2018-2019 MECKLENBURG COUNTY RESURFACING

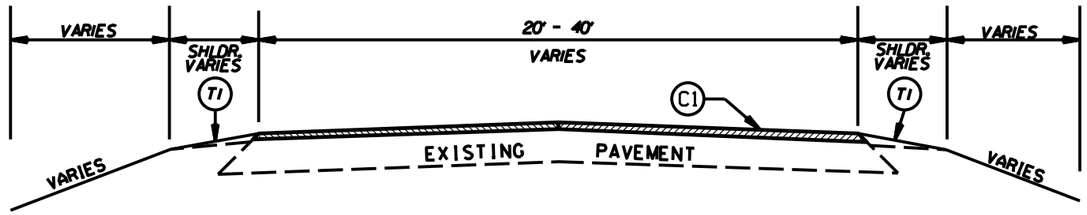
		REVISIONS	
SCALE	-NA-	2/23/18	
DATE	1/18		
DWG. BY	JHE		
DESIGN BY	JHE		
APPROVED			

DIVISION OF HIGHWAYS
DISTRICT 2

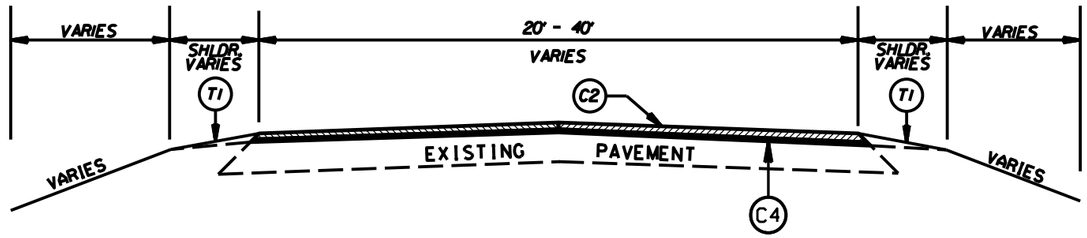
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		7	
WBS NO.	2018CPT.10.07.10601, ETC.		

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #67, AT AN AVERAGE RATE OF 25 LBS. PER SQ. YD. (STONE) AND 0.35 GALLONS PER SQ. YD. (LIQUID ASPHALT)
E1	PROP. APPROX. 5.5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING 0" TO 1.5"
V2	PROFILE MILLING 0" TO 2.0"
V3	MILLING 1.5" DEPTH
V4	MILLING 2.0" DEPTH
V5	MILLING 1.0" DEPTH

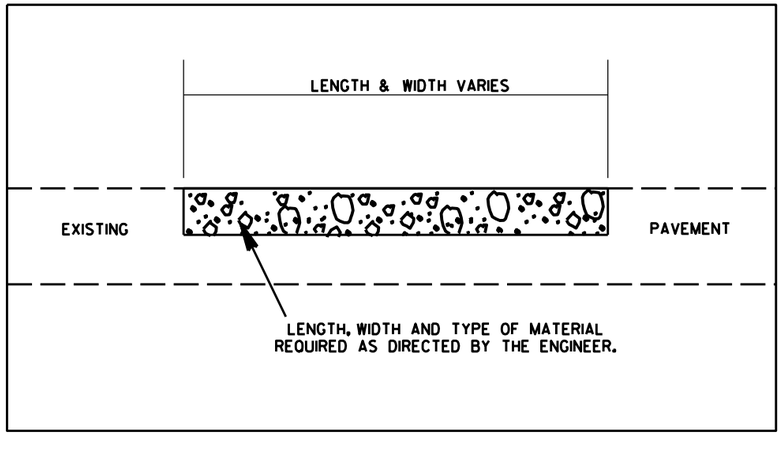


TYPICAL SECTION NO. 1



TYPICAL SECTION NO. 2

PATCHING DETAIL



2018/2019 MECKLENBURG COUNTY RESURFACING

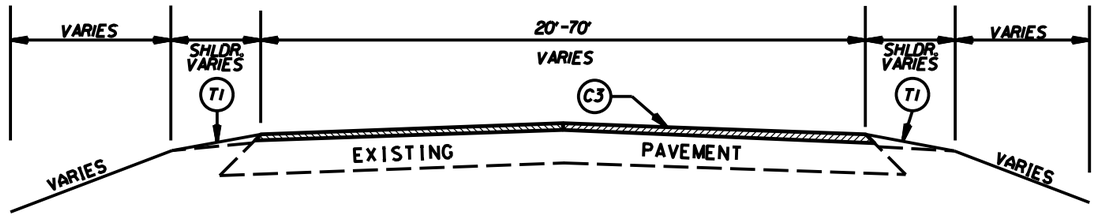
SCALE	-NA-
DATE	1/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

REVISIONS	
2/22/18	

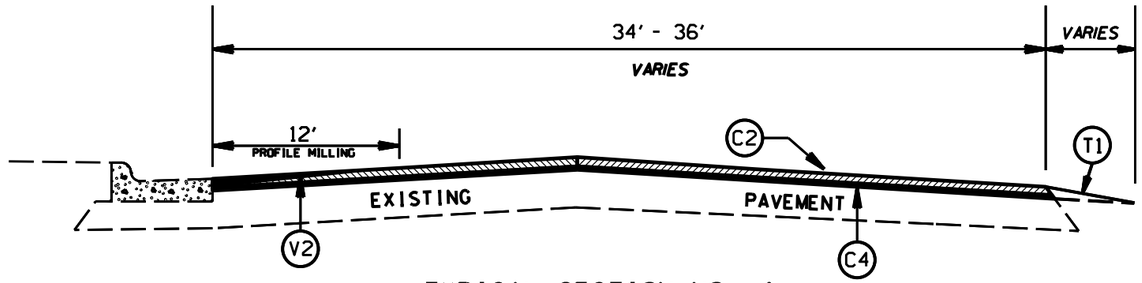
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		8	
WBS NO.	2018CPT.10.07.10601, ETC.		

PAVEMENT SCHEDULE

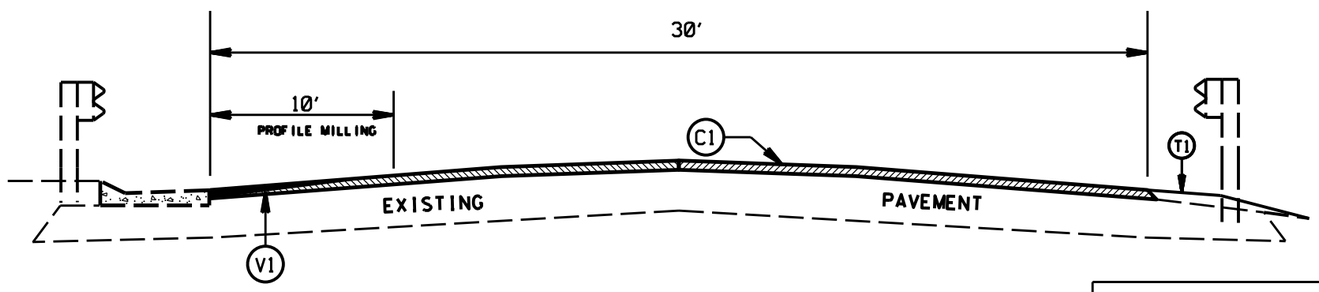
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #67, AT AN AVERAGE RATE OF 25 LBS. PER SQ. YD. (STONE) AND 0.35 GALLONS PER SQ. YD. (LIQUID ASPHALT)
E1	PROP. APPROX. 5.5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING 0" TO 1.5"
V2	PROFILE MILLING 0" TO 2.0"
V3	MILLING 1.5" DEPTH
V4	MILLING 2.0" DEPTH
V5	MILLING 1.0" DEPTH



TYPICAL SECTION NO. 3



TYPICAL SECTION NO. 4



TYPICAL SECTION NO. 5

2018/2019 MECKLENBURG COUNTY RESURFACING

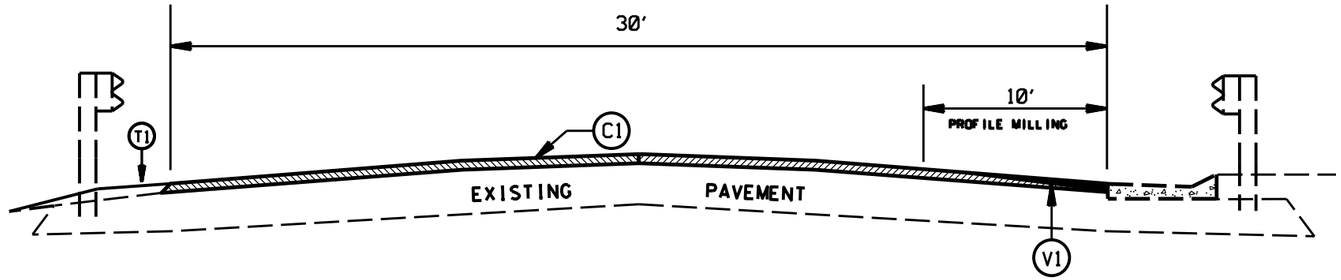
SCALE	-NA-
DATE	1/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

REVISIONS	
2/22/18	

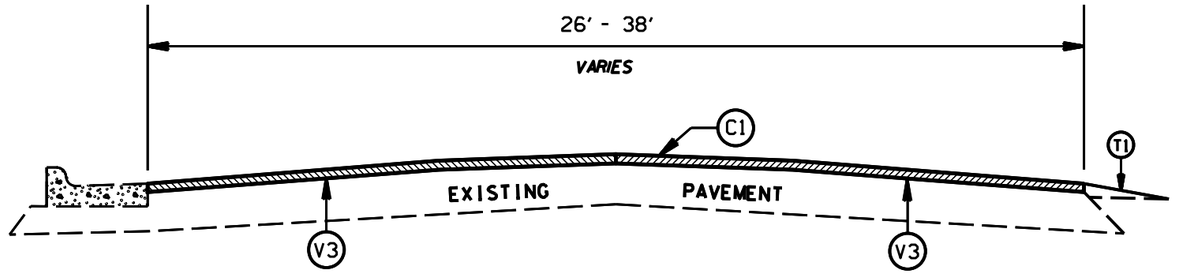
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		9	
WBS NO.	2018CPT.10.07.10601, ETC.		

PAVEMENT SCHEDULE

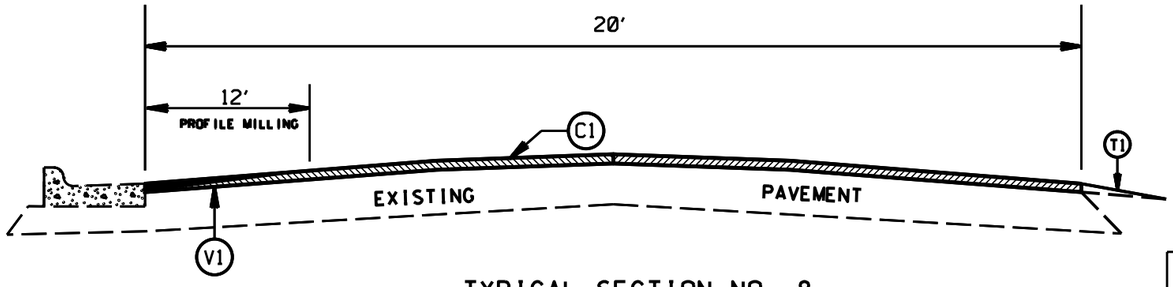
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #67, AT AN AVERAGE RATE OF 25 LBS. PER SQ. YD. (STONE) AND 0.35 GALLONS PER SQ. YD. (LIQUID ASPHALT)
E1	PROP. APPROX. 5.5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING 0" TO 1.5"
V2	PROFILE MILLING 0" TO 2.0"
V3	MILLING 1.5" DEPTH
V4	MILLING 2.0" DEPTH
V5	MILLING 1.0" DEPTH



TYPICAL SECTION NO. 6



TYPICAL SECTION NO. 7



TYPICAL SECTION NO. 8

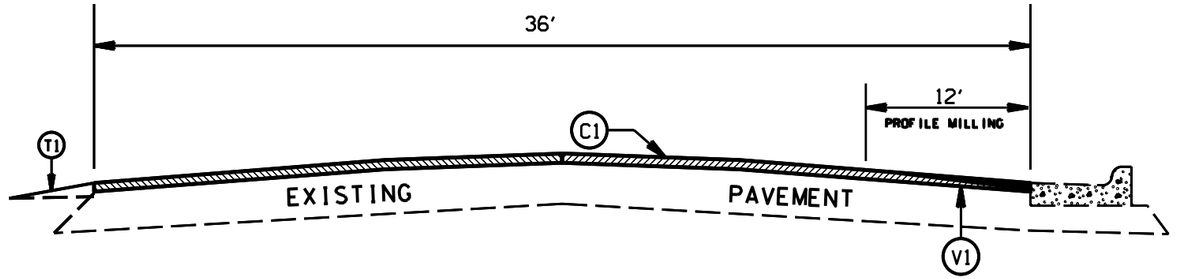
2018/2019 MECKLENBURG COUNTY RESURFACING

SCALE	-NA-
DATE	1/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

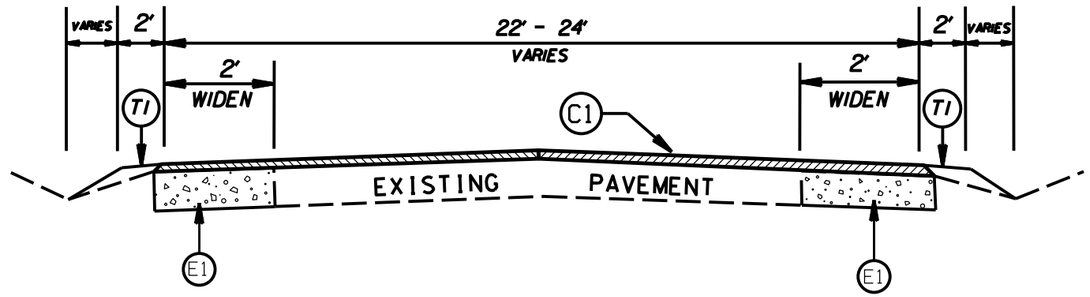
REVISIONS	
2/22/18	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		10	
WBS NO.	2018CPT.10.07.10601.1, ETC.		

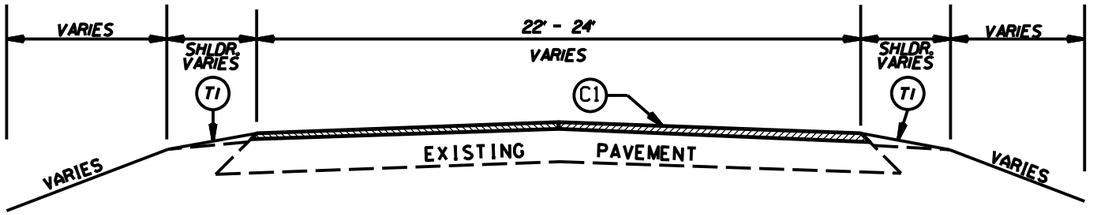
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #67, AT AN AVERAGE RATE OF 25 LBS. PER SQ. YD. (STONE) AND 0.35 GALLONS PER SQ. YD. (LIQUID ASPHALT)
E1	PROP. APPROX. 5.5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING 0" TO 1.5"
V2	PROFILE MILLING 0" TO 2.0"
V3	MILLING 1.5" DEPTH
V4	MILLING 2.0" DEPTH
V5	MILLING 1.0" DEPTH



TYPICAL SECTION NO. 9



TYPICAL SECTION NO. 10



TYPICAL SECTION NO. 11

2018/2019 MECKLENBURG COUNTY
RESURFACING

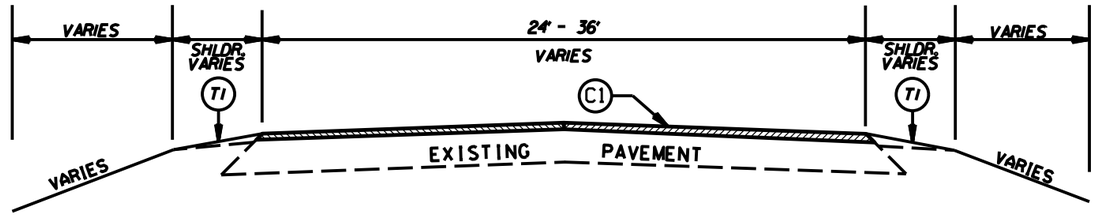
SCALE	-NA-
DATE	1/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

REVISIONS	
2/22/18	

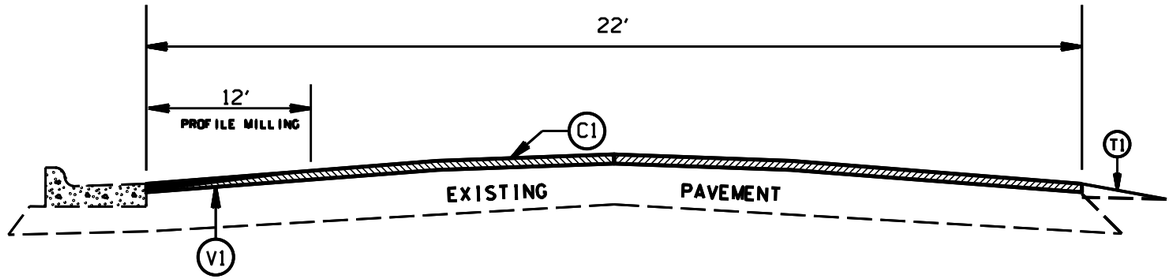
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		11	
WBS NO.	2018CPT.10.07.10601.1, ETC.		

PAVEMENT SCHEDULE

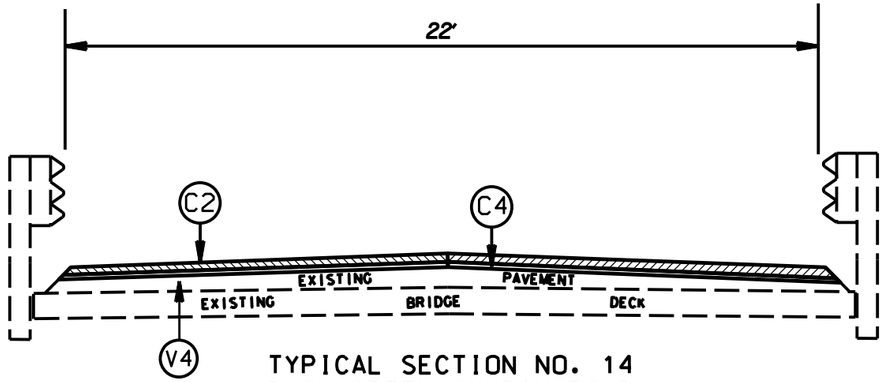
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #67, AT AN AVERAGE RATE OF 25 LBS. PER SQ. YD. (STONE) AND 0.35 GALLONS PER SQ. YD. (LIQUID ASPHALT)
E1	PROP. APPROX. 5.5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING 0" TO 1.5"
V2	PROFILE MILLING 0" TO 2.0"
V3	MILLING 1.5" DEPTH
V4	MILLING 2.0" DEPTH
V5	MILLING 1.0" DEPTH



TYPICAL SECTION NO. 12



TYPICAL SECTION NO. 13



TYPICAL SECTION NO. 14
BACK CREEK CHURCH ROAD
MAP# 9

2018/2019 MECKLENBURG COUNTY
RESURFACING

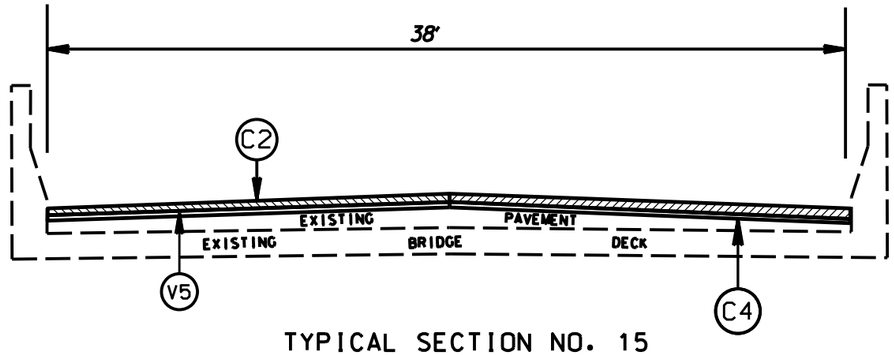
SCALE	-NA-
DATE	1/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

REVISIONS	
2/22/18	

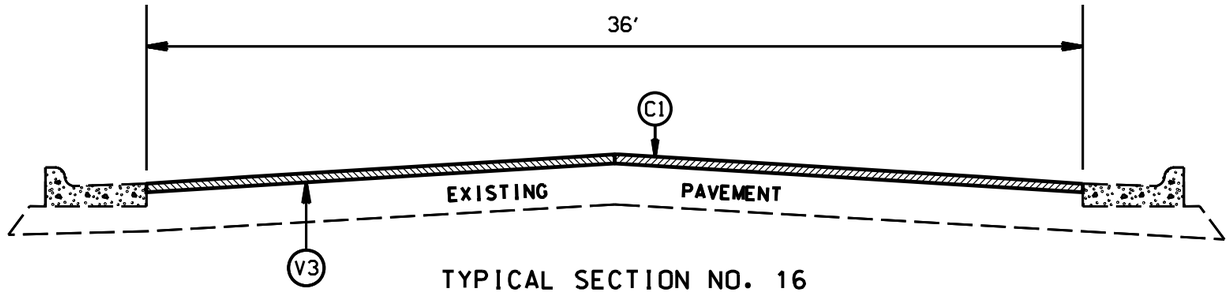
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		12	
WBS NO.	20IBCPT.10.07.10601, ETC.		

PAVEMENT SCHEDULE

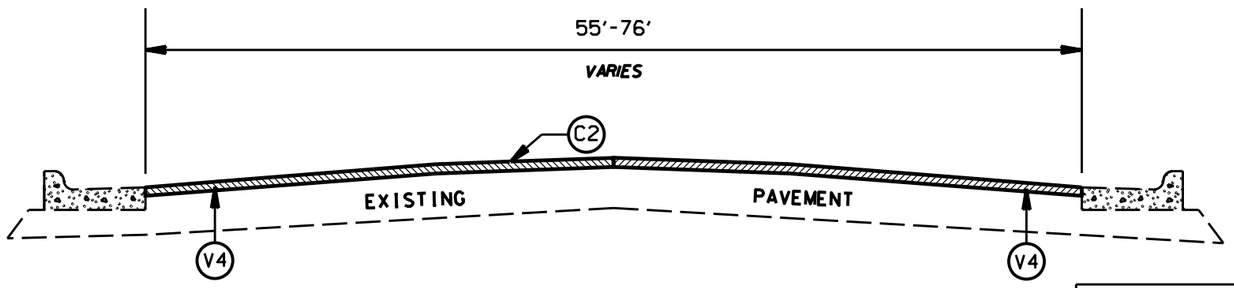
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #67, AT AN AVERAGE RATE OF 25 LBS. PER SQ. YD. (STONE) AND 0.35 GALLONS PER SQ. YD. (LIQUID ASPHALT)
E1	PROP. APPROX. 5.5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING 0" TO 1.5"
V2	PROFILE MILLING 0" TO 2.0"
V3	MILLING 1.5" DEPTH
V4	MILLING 2.0" DEPTH
V5	MILLING 1.0" DEPTH



TYPICAL SECTION NO. 15
HOOD ROAD
MAP# 11



TYPICAL SECTION NO. 16
INDEPENDENCE COMMERCE DR.
MAP# 16



TYPICAL SECTION NO. 17

2018/2019 MECKLENBURG COUNTY
RESURFACING

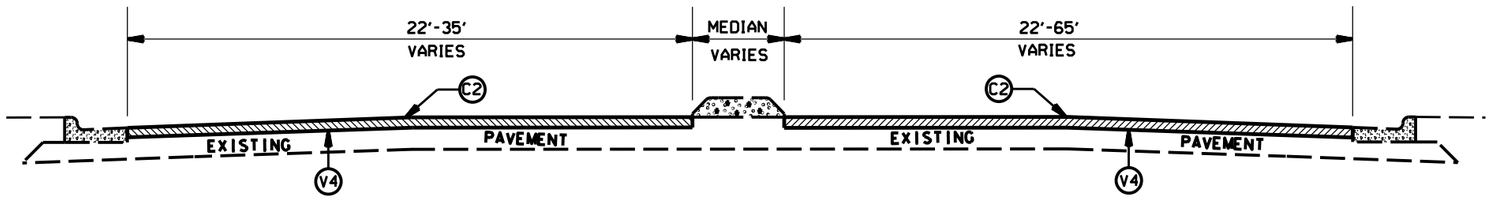
SCALE	-NA-
DATE	1/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

REVISIONS	
2/22/18	

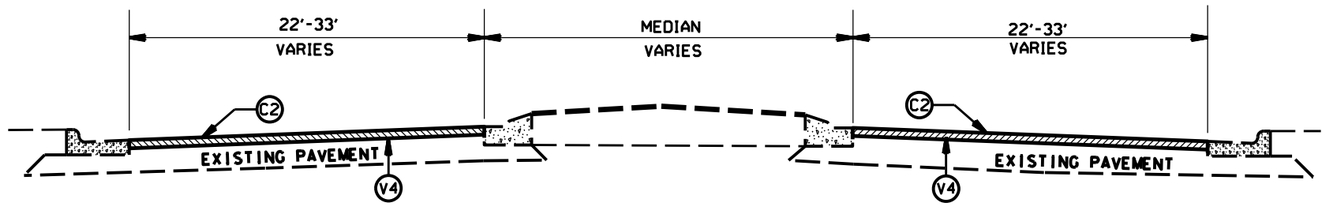
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		13	
WBS NO.	20IBCPTJ0.07.J060U, ETC.		

PAVEMENT SCHEDULE

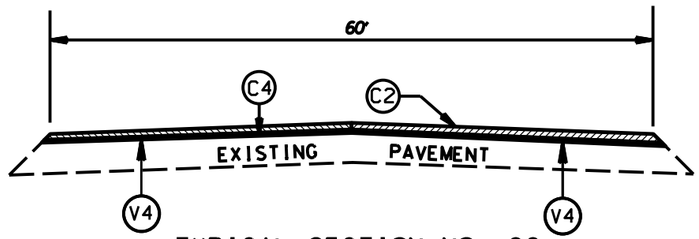
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #67, AT AN AVERAGE RATE OF 25 LBS. PER SQ. YD. (STONE) AND 0.35 GALLONS PER SQ. YD. (LIQUID ASPHALT)
E1	PROP. APPROX. 5.5" ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING 0" TO 1.5"
V2	PROFILE MILLING 0" TO 2.0"
V3	MILLING 1.5" DEPTH
V4	MILLING 2.0" DEPTH
V5	MILLING 1.0" DEPTH



TYPICAL SECTION NO. 18



TYPICAL SECTION NO. 19



TYPICAL SECTION NO. 20
INTERSECTION AT PHILLIPS ROAD
MAP# 1

2018/2019 MECKLENBURG COUNTY
RESURFACING

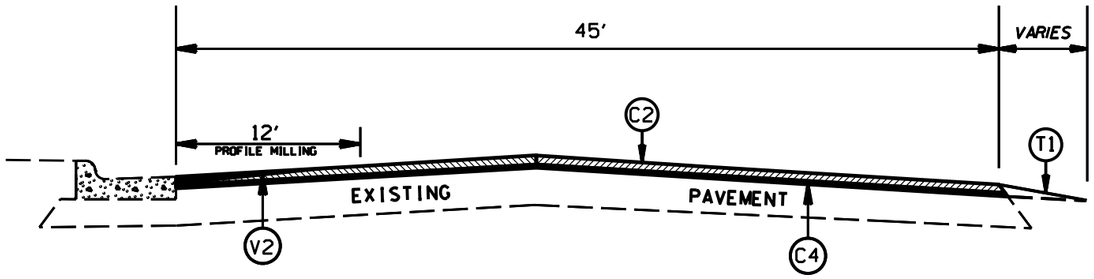
SCALE	-NA-
DATE	1/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

REVISIONS	
2/22/18	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		14	
WBS NO.	20I8CPT.10.07.10601, ETC.		

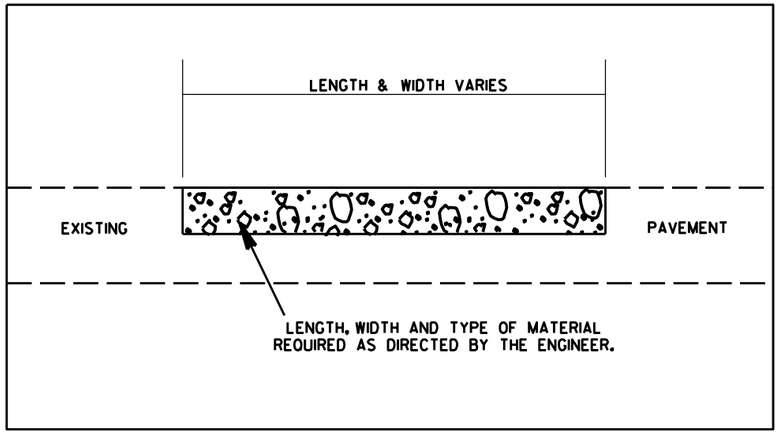
PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 2.0″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C4	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #67, AT AN AVERAGE RATE OF 25 LBS. PER SQ. YD. (STONE) AND 0.35 GALLONS PER SQ. YD. (LIQUID ASPHALT)
E1	PROP. APPROX. 5.5″ ASPHALT BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	PROFILE MILLING 0″ TO 1.5″
V2	PROFILE MILLING 0″ TO 2.0″
V3	MILLING 1.5″ DEPTH
V4	MILLING 2.0″ DEPTH
V5	MILLING 1.0″ DEPTH



TYPICAL SECTION NO. 21

PATCHING DETAIL



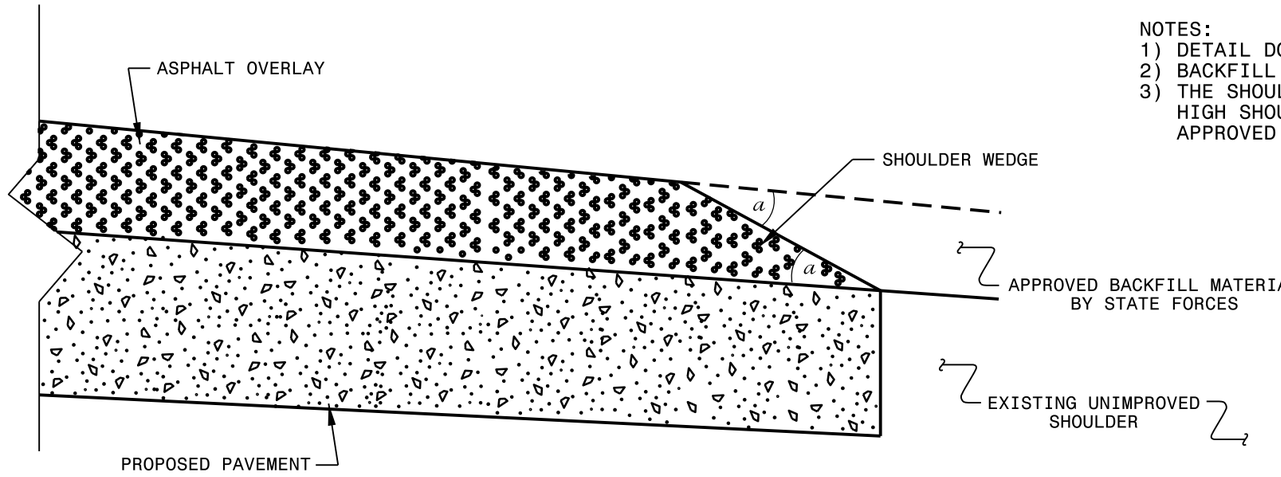
2018/2019 MECKLENBURG COUNTY
RESURFACING

SCALE	-NA-
DATE	1/18
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

REVISIONS	
2/22/18	

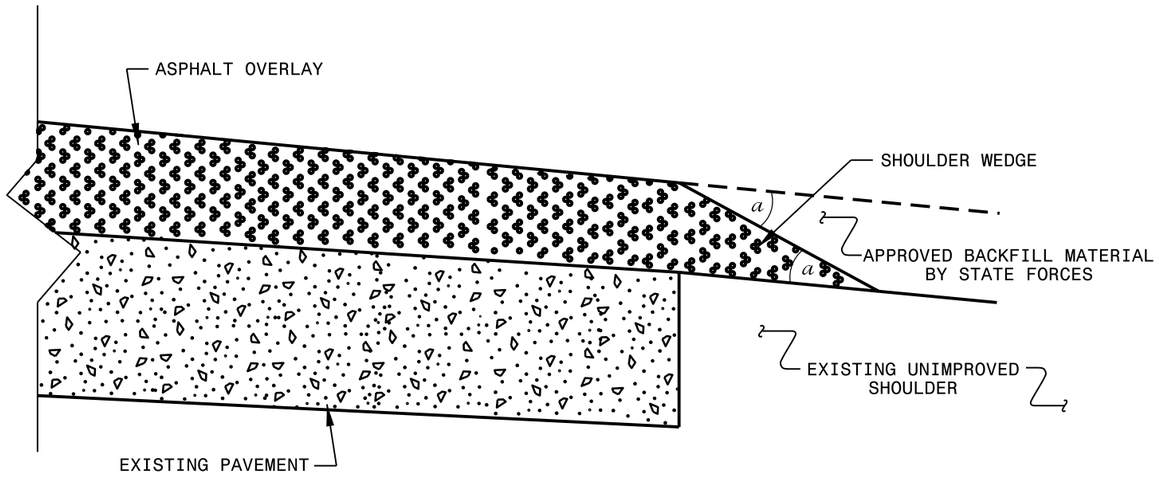
PROJECT REFERENCE NO.	SHEET NO.
2018CPT.10.07.10601.1, etc.	15

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, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



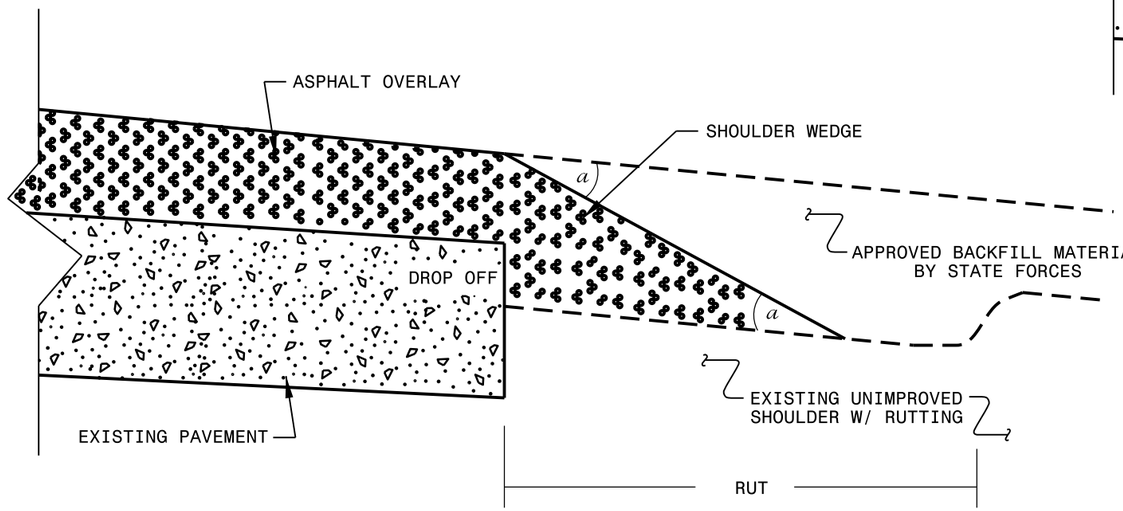
SHOULDER WEDGE DETAIL

(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°

CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SHOULDER WEDGE DETAILS

ORIGINAL BY: T.SPELL DATE: 7-19-11
MODIFIED BY: _____ DATE: 10/16/12
CHECKED BY: _____ DATE: _____
FILE SPEC.: s:usr/details/stand/shoulderwedgedetail.dgn

$$$$$$$$SYSTIME$$$$$
$$$$$$$$

PROJECT NO.	SHEET NO.
2018CPT.10.07.10601.1, etc.	16

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	BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECON.	2" MILLING	1" MILLING	1½" MILLING	0" TO 2" MILLING	0" TO 1.5" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	SURFACE COURSE, S9.5C	LEVELING COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	AST MAT COAT #67	EMULSION FOR ASPHALT SURFACE TREATMENT	CONCRETE CURB RAMPS (STD. 848.05)	6" DRIVEWAYS (STD. 848.02 and/or 848.03)	RETROFIT EXISTING CONCRETE CURB RAMPS (STD. 848.06)	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	PORTABLE LIGHTING	TEMPORARY SILT FENCE	STONE FOR EROSION CONTROL, CLASS B	SEDIMENT CONTROL STONE	WATTLE	POLYACRYLAMIDE (PAM)
										MI	FT	CY	TONS	SMI	SY	SY	SY	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	TONS	TONS	SY	GAL	EA	SY	EA	EA	EA	LS	LF	TN	TN	LF	LB
2018CPT.10.07.10601.1	Mecklenburg	1	NC 51 MATTHEWS MINT HILL ROAD	FROM PVMT JT AT PHILLIPS RD TO ROUNDABOUT AT IDLEWILD RD (MP 14.57 TO MP 15.07)	2, 20	2	2WU	NO	NO	0.5	34.24	142	30	1.93	660					900				1,057		63	110	9,435	3,302	1	1	3		4	*	75	15	5	15	1
TOTAL FOR PROJ NO. 2018CPT.10.07.10601.1										**0.5**		**142**	**30**	**1.93**	**660**					**900**				**1,057**		**63**	**110**	**9,435**	**3,302**	**1**	**1**	**3**		**4**	*	**75**	**15**	**5**	**15**	**1**
2018CPT.10.07.10601.2	Mecklenburg	2	NC 51 PINEVILLE MATTHEWS RD (NB)	FROM JOHNSTON RD TO BEGIN DIVIDED HWY (MP 3.94 TO MP 4.90)	17,18,19	2	MU	NO	NO	0.96	59.55				33,537									4,144		249	330					9	13	12	*					
2018CPT.10.07.10601.2	Mecklenburg	3	NC 51 PINEVILLE MATTHEWS RD (NB)	FROM BEGIN DIVIDE HWY TO REA RD (MP 4.90 TO MP 6.42)	17,18,19	2	MD	NO	NO	1.52	26.77				23,870									2,941		176	220						11	1	*					
2018CPT.10.07.10601.2	Mecklenburg	4	NC 51 PINEVILLE MATTHEWS RD (NB)	FROM REA RD TO NC 16 PROVIDENCE RD (MP 6.41 TO MP 8.54)	17,18,19	2	MD	NO	NO	2.13	30.21				37,750									4,652		279	220					4	14	13	*					
2018CPT.10.07.10601.2	Mecklenburg	5	NC 51 PINEVILLE MATTHEWS RD (SB)	FROM NC 16 PROVIDENCE RD TO REA RD (MP 13.66 TO MP 15.78)	17,18,19	2	MD	NO	NO	2.12	27.24				33,879									4,175		250	165					2	3		*					
2018CPT.10.07.10601.2	Mecklenburg	6	NC 51 PINEVILLE MATTHEWS RD (SB)	FROM REA RD TO END DIVIDED HWY (MP 15.77 TO MP 17.28)	17,18,19	2	MD	NO	NO	1.51	24.62				21,810									2,687		161	220					2	4	1	*					
2018CPT.10.07.10601.2	Mecklenburg	7	NC 51 PINEVILLE MATTHEWS RD (SB)	FROM BEGIN DIVIDED HWY TO END DIVIDED HWY (MP 17.70 TO MP 17.95)	18	2	MD	NO	NO	0.25	35.1				5,148									634		38	165						5	3	*					
TOTAL FOR PROJ NO. 2018CPT.10.07.10601.2										**8.49**					**155,994**									**19,233**		**1,153**	**1,320**					**17**	**50**	**30**	*					
2018CPT.10.07.20601.1	Mecklenburg	8	SR 4594 FRANK GRIER RD	FROM PLAZA ROAD EXT TO END OF MAINTENANCE (MP 0.00 TO MP 0.63)	3	2	2WU	NO	NO	0.63	20.24	183	40	2.49						75		671	220			55	110									95	13	6	19	1
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.1										**0.63**		**183**	**40**	**2.49**						**75**		**671**	**220**			**55**	**110**									**95**	**13**	**6**	**19**	**1**
2018CPT.10.07.20601.2	Mecklenburg	9	SR 2827 BACK CREEK CHURCH RD	FROM 500 FT NORTH OF SCOTT CREEK DR TO HANBERRY BLVD (MP 0.63 TO MP 2.72)	2,14,21	2	2WU	NO	NO	1.78	29.99	507	75	6.91	733			904		1,995				3,869		232	660	34,547	12,091		80	1	7	12	*	314	42	21	63	1
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.2										**1.78**		**507**	**75**	**6.91**	**733**			**904**		**1,995**				**3,869**		**232**	**660**	**34,547**	**12,091**		**80**	**1**	**7**	**12**	*	**314**	**42**	**21**	**63**	**1**
2018CPT.10.07.20601.3	Mecklenburg	10	SR 2826 HOOD ROAD	FROM ROCKY RIVER RD TO PLAZA ROAD EXTENSION (MP 0.00 TO MP 1.24)	2,4	2	2WU	NO	NO	1.24	24.51	343	95	4.67				961		1,573				2,179		131	440	19,459	6,811		140		2			186	25	12	37	1
2018CPT.10.07.20601.3	Mecklenburg	11	SR 2826 HOOD ROAD	FROM PLAZA ROAD EXTENSION TO ROBINSON CHURCH RD (MP 1.24 TO MP 2.31)	2,15	2	2WU	NO	NO	1.07	21.27	306	35	4.17		1,689				1,133				1,645		99	440	14,688	5,141	1	20	2	1	1		161	21	11	32	1
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.3										**2.31**		**649**	**130**	**8.84**		**1,689**		**961**		**2,706**				**3,824**		**230**	**880**	**34,147**	**11,952**	**1**	**160**	**2**	**3**	**1**		**347**	**46**	**23**	**69**	**2**
2018CPT.10.07.20601.4	Mecklenburg	12	SR 2803 PLAZA ROAD EXTENSION	FROM N. PINEHILL LANE TO HOOD ROAD (MP 0.49 TO MP 1.72)	2,4	2	2WU	NO	NO	1.22	26.36	356	30	4.86						1,272				2,324		139	110	20,750	7,263		20		1			183	24	12	37	1
2018CPT.10.07.20601.4	Mecklenburg	13	SR 2803 PLAZA ROAD EXTENSION	FROM HOOD RD TO PLOTT ROAD (MP 1.72 TO MP 3.61)	2,4	2	2WU	NO	NO	1.89	23.76	453	45	6.17				2,916		982				3,315		199	110	29,598	10,359		50					284	38	19	57	1
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.4										**3.11**		**809**	**75**	**11.03**				**2,916**		**2,254**				**5,639**		**338**	**220**	**50,348**	**17,622**		**70**		**1**			**467**	**62**	**31**	**94**	**2**
2018CPT.10.07.20601.5	Mecklenburg	14	SR 3175 STALLINGS ROAD	FROM UNION COUNTY LINE TO IDLEWILD ROAD (MP 0.00 TO MP 0.84)	2	2	2WU	NO	NO	0.84	22.86	229	35	3.12						1,320				1,447		87	220	12,921	4,975		30					126	17	8	25	1
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.5										**0.84**		**229**	**35**	**3.12**						**1,320**				**1,447**		**87**	**220**	**12,921**	**4,975**		**30**					**126**	**17**	**8**	**25**	**1**
2018CPT.10.07.20601.6	Mecklenburg	15	SR 3176 PHILLIPS ROAD	FROM STALLINGS ROAD TO MT. HARMONY ROAD (MP 0.00 TO MP 0.69)	5,6,7	2	2WU	NO	NO	0.69	30.92	134	5	1.82			4,773		1,202	225				1,160		70	385				10			1		104	14	7	21	1
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.6										**0.69**		**134**	**5**	**1.82**			**4,773**		**1,202**	**225**				**1,160**		**70**	**385**				**10**			**1**		**104**	**14**	**7**	**21**	**1**
2018CPT.10.07.20601.7	Mecklenburg	16	SR 3177 MT. HARMONY RD/ INDEPENDENCE COMMERCE DR	FROM PHILLIPS ROAD TO US 74 INDEPENDENCE BLVD (MP 0.00 TO MP 1.25)	1,8,9,16	2	2WU	NO	NO	1.25	20.64	290	50	3.95			1,484			413				1,277		77	330				10	6	1			188	25	13	38	1
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.7										**1.25**		**290**	**50**	**3.95**			**1,484**			**413**				**1,277**		**77**	**330**				**10**	**6**	**1**			**188**	**25**	**13**	**38**	**1**
2018CPT.10.07.20601.8	Mecklenburg	17	SR 3453 CPCC LANE	FROM BEGIN MAINTENANCE TO CAMPUS RIDGE RD (MP 0.00 TO MP 0.40)	11	2	2WU	NO	NO	0.4	21.7	78	10	1.06						267				365		22	110									60	8	4	12	1
2018CPT.10.07.20601.8	Mecklenburg	18	SR 3453 CPCC LANE	FROM CAMPUS RIDGE ROAD TO US 74 INDEPENDENCE BLVD (MP 0.40 TO MP 1.03)	11	2	2WU	NO	NO	0.63	24.18	168	5	2.29						267				749		45	165									95	13	6	19	1
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.8										**1.03**		**246**	**15**	**3.35**						**534**				**1,114**		**67**	**275**									**155**	**21**	**10**	**31**	**2**
2018CPT.10.07.20601.9	Mecklenburg	19	SR 5704 MATTHEWS INDIAN TRAIL ROAD	FROM UNION COUNTY LINE TO CPCC LANE (MP 0.00 TO MP 0.19)	2	2	2WU	NO	NO	0.19	25.05	59		0.81						361				347		21	165	3,078	1,075							29	4	2	6	1
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.9										**0.19**		**59**		**0.81**						**361**				**347**		**21**	**165**	**3,078**	**1,075**							**29**	**4**	**2**	**6**	**1**
2018CPT.10.07.20601.10	Mecklenburg	20	SR 1106 HAMILTON ROAD	FROM NC 160 TO SOUTH CAROLINA LINE (MP 0.73 TO MP 1.91)	12,13	2	2WU	NO	NO	1.18	28.23	275	45	3.75					1,202	920				1,806		108	880				80					177	24	12	35	1
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.10										**1.18**		**275**	**45**	**3.75**					**1,202**	**920**				**1,806**		**108**	**880**				**80**					**177**	**24**	**12**	**35**	**1**
2018CPT.10.07.20601.11	Mecklenburg	21	SR 1100 MCKEE ROAD	FROM NORTH OF TRACE CHAIN LN (MP TO SOUTH OF TRACE LN (MP 0.38 TO MP 0.56)	10	2	2WU	NO	NO	0.18	18	73	15	1.00						200	73			41	27	4	218				15					27	4	2	5	1
2018CPT.10.07.20601.11	Mecklenburg	22	SR 1100 MCKEE ROAD	FROM NORTH OF RED BUCKBOARD LN TO SOUTH OF RED BUCKBOARD LN (MP 0.85 TO MP 1.02)	10	2	2WU	NO	NO	0.17	18	73	15	1.00						200	145			195	132	27	292				20					27	4	2	5	1
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.11										**0.35**		**146**	**30**	**2.00**						**400**	**218**			**236**	**159**	**31**	**510**				**35**					**54**	**8**	**4**	**10**	**2**
2018CPT.10.07.20601.12	Mecklenburg	23	SR 1517 BANKHEAD ROAD	FROM BESSBROOK RD TO ROSAPENNY (MP 0.40 TO MP 0.80) THEN FROM WILBANKS DR. TO END MAINT (MP 0.94 TO MP 1.01)	10	2	2WU	NO	NO	0.48	19.65	160	10	2.18						324	112			245	40	22	465									152	20	10	30	1
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.12										**0.48**		**160**	**10**	**2.18**						**324**	**112**			**245**	**40**	**22**	**465**									**152**	**20**	**10**	**30**	**1**
GRAND TOTAL										**22.83**		**3,829**	**540**	**52.18**	**157,387**	**1,689**	**6,257**	**4,781**	**2,404**	**12,427**	**330**	**671**	**220**	**41,254**	**199**	**2,554**	**6,530**	**144,476**	**51,017**	**2**	**476**	**29**	**62**	**48**	**1**	**2,283**	**311**	**152**	**456**	**17**

PROJECT NO.	SHEET NO.
2018CPT.10.07.10601.1, etc.	17

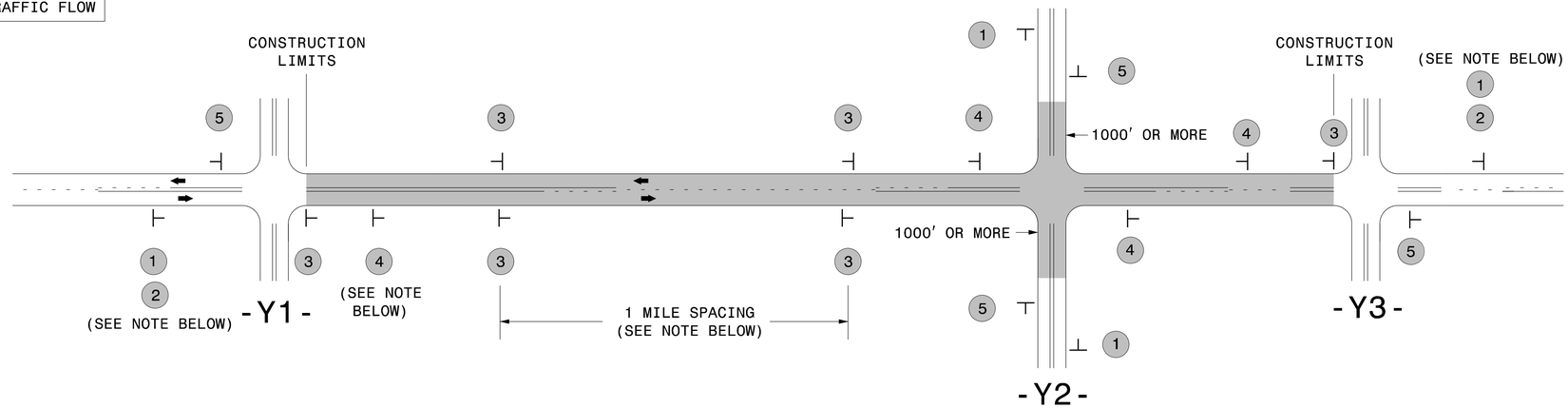
THERMOPLASTIC AND PAINT QUANTITIES

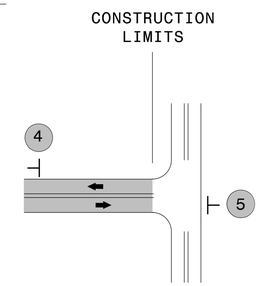
										4413000000-E	4457000000-N	4510000000-N	4686000000-E		4695000000-E		4697000000-E		4700000000-E		4710000000-E		4721000000-E				4725000000-E				4770000000-E	4810000000-E		4820000000-E	4835000000-E	4840000000-N		4845000000-N				4850000000-E	4890000000-E				4905000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	WORK ZONE ADVANCE/ GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	4" X 120 M WHITE THERMO	4" X 120 M YELLOW THERMO	8" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	8" X 120 M WHITE THERMO	8" X 120 M YELLOW THERMO	12" X 90 M WHITE THERMO	12" X 90 M YELLOW THERMO	24" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO MSG SCHOOL 120 M	THERMO MSG ONLY 120 M	THERMO MSG STOP 120 M	THERMO MSG AHEAD 120 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR ARROW 90 M	THERMO STR & RT ARROW 90 M	4" COLD APPLIED PLASTIC PAVEMENT MARKING, TYPE II	4" WHITE PAINT	4" YELLOW PAINT	8" WHITE PAINT	24" WHITE PAINT	PAINT MSG SCHOOL	PAINT MSG ONLY	PAINT LT ARROW	PAINT RT ARROW	PAINT STR ARROW	PAINT STR & RT ARROW	REMOVAL OF PAVEMENT MARKING LINES (4")	4" X 120 M WHITE THERMO (HRM)	4" X 120 M YELLOW THERMO (HRM)	4" X 90 M WHITE THERMO (HRM)	4" X 90 M YELLOW THERMO (HRM)	SNOW PLOWABLE MARKERS
								MI	FT	SF	LS	HR	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	EA
2018CPT.10.07.10601.1	Mecklenburg	1	NC 51 MATTHEWS MINT HILL ROAD	FROM PVMT JT AT PHILLIPS RD TO ROUNDABOUT AT IDLEWILD RD (MP 14.57 TO MP 15.07)	2, 20	2	2WU	0.5	34.24	104	*	40							30	30	24						3	2															135	4,812	4,512		55
TOTAL FOR PROJ NO. 2018CPT.10.07.10601.1								**0.5**		**104**		**40**							**30**	**30**	**24**						**3**	**2**															**135**	**4,812**	**4,512**		**55**
																			60		**24**						**5**																**4,947**		**4,512**		
2018CPT.10.07.10601.2	Mecklenburg	2	NC 51 PINEVILLE MATTHEWS RD (NB)	FROM JOHNSTON RD TO BEGIN DIVIDED HWY (MP 3.94 TO MP 4.90)	17,18,19	2	MU	0.96	59.55	21		80			240		1,600		36		334		12				30	5	6			5,680	9,680	1,600	334	12		30	5	6			5,680	7,600		2,080	325
2018CPT.10.07.10601.2	Mecklenburg	3	NC 51 PINEVILLE MATTHEWS RD (NB)	FROM BEGIN DIVIDE HWY TO REA RD (MP 4.90 TO MP 6.42)	17,18,19	2	MD	1.52	26.77	21		80			200			720				82					16	7	12		280	3,800	8,200		82			16	7	12		280	3,800			8,200	160
2018CPT.10.07.10601.2	Mecklenburg	4	NC 51 PINEVILLE MATTHEWS RD (NB)	FROM REA RD TO NC 16 PROVIDENCE RD (MP 6.41 TO MP 8.54)	17,18,19	2	MD	2.13	30.21	21	*	120			335		1,260				155						29	10	13	4	280	7,070	11,100		155			29	10	13	4		7,070			11,100	306
2018CPT.10.07.10601.2	Mecklenburg	5	NC 51 PINEVILLE MATTHEWS RD (SB)	FROM NC 16 PROVIDENCE RD TO REA RD (MP 13.66 TO MP 15.78)	17,18,19	2	MD	2.12	27.24	21		120			264		1,580			240		100			8		27	7				5,810	11,100	1,844	100		8	27	7				5,810			11,100	256
2018CPT.10.07.10601.2	Mecklenburg	6	NC 51 PINEVILLE MATTHEWS RD (SB)	FROM REA RD TO END DIVIDED HWY (MP 15.77 TO MP 17.28)	17,18,19	2	MD	1.51	24.62	21		80						820			66						10				280	2,910	8,200	820	66			10				280	2,910			8,200	131
2018CPT.10.07.10601.2	Mecklenburg	7	NC 51 PINEVILLE MATTHEWS RD (SB)	FROM BEGIN DIVIDED HWY TO END DIVIDED HWY (MP 17.70 TO MP 17.95)	18	2	MD	0.25	35.1	21		40						500				50					4	2				1150		500	50			4	2				1,150				49
TOTAL FOR PROJ NO. 2018CPT.10.07.10601.2								**8.49**		**126**		**520**			**1,039**		**4,440**	**2,040**	**36**	**240**	**555**	**232**	**12**		**8**		**116**	**31**	**31**	**4**	**840**	**26,420**	**48,280**	**4,764**	**787**	**12**	**8**	**116**	**31**	**31**	**4**	**560**	**26,420**	**7,600**		**40,680**	**1,227**
															1,039		**6,480**		**276**		**787**		**20**				**182**					**74,700**				**20**		**182**					**34,020**		**40,680**		
2018CPT.10.07.20601.1	Mecklenburg	8	SR 4594 FRANK GRIER RD	FROM PLAZA ROAD EXT TO END OF MAINTENANCE (MP 0.00 TO MP 0.63)	3	2	2WU	0.63	20.24	104	*										30																										
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.1								**0.63**		**104**											**30**																										
																					30																										
2018CPT.10.07.20601.2	Mecklenburg	9	SR 2827 BACK CREEK CHURCH RD	FROM 500 FT NORTH OF SCOTT CREEK DR TO HANBERRY BLVD (MP 0.63 TO MP 2.72)	2,14,21	2	2WU	1.78	29.99	104	*				216	368					20						11																1,135	25,230	20,900		
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.2								**1.78**		**104**					**216**	**368**					**20**						**11**																**1,135**	**25,230**	**20,900**		
															584						**20**						**11**																**26,365**		**20,900**		
2018CPT.10.07.20601.3	Mecklenburg	10	SR 2826 HOOD ROAD	FROM ROCKY RIVER RD TO PLAZA ROAD EXTENSION (MP 0.00 TO MP 1.24)	2,4	2	2WU	1.24	24.51	104	*	40	99								66				8	5																		13,020	13,020		
2018CPT.10.07.20601.3	Mecklenburg	11	SR 2826 HOOD ROAD	FROM PLAZA ROAD EXTENSION TO ROBINSON CHURCH RD (MP 1.24 TO MP 2.31)	2,15	2	2WU	1.07	21.27	104		40							70		66						1																300	11,595	11,384		
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.3								**2.31**		**208**		**80**	**99**						**70**		**132**				**8**	**5**	**1**																**300**	**24,615**	**24,404**		
													99						**70**		**132**		**13**				**1**																**24,915**		**24,404**		
2018CPT.10.07.20601.4	Mecklenburg	12	SR 2803 PLAZA ROAD EXTENSION	FROM N. PINEHILL LANE TO HOOD ROAD (MP 0.49 TO MP 1.72)	2,4	2	2WU	1.22	26.36	104	*	40						650		345		125	12				8																300	10,184	12,834		
2018CPT.10.07.20601.4	Mecklenburg	13	SR 2803 PLAZA ROAD EXTENSION	FROM HOOD RD TO PLOTT ROAD (MP 1.72 TO MP 3.61)	2,4	2	2WU	1.89	23.76	104		40								111		14					2																580	24,960	20,364		
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.4								**3.11**		**208**		**80**						**650**		**456**		**139**	**12**				**10**																**880**	**35,144**	**33,198**		
																	650		**456**		**139**		**12**				**10**																**36,024**		**33,198**		
2018CPT.10.07.20601.5	Mecklenburg	14	SR 3175 STALLINGS ROAD	FROM UNION COUNTY LINE TO IDLEWILD ROAD (MP 0.00 TO MP 0.84)	2	2	2WU	0.84	22.86	104	*										40										1320											1320	48	8,600	8,600		
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.5								**0.84**		**104**											**40**										**1,320**											**1,320**	**48**	**8,600**	**8,600**		
																					40																						**8,648**		**8,600**		
2018CPT.10.07.20601.6	Mecklenburg	15	SR 3176 PHILLIPS ROAD	FROM STALLINGS ROAD TO MT. HARMONY ROAD (MP 0.00 TO MP 0.69)	5,6,7	2	2WU	0.69	30.92	104	*				356						36						2																120	8,260	6,210		
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.6								**0.69**		**104**					**356**						**36**						**2**																**120**	**8,260**	**6,210**		
															356						**36**						**2**																**8,380**		**6,210**		
2018CPT.10.07.20601.7	Mecklenburg	16	SR 3177 MT. HARMONY RD/ INDEPENDENCE COMMERCE DR	FROM PHILLIPS ROAD TO US 74 INDEPENDENCE BLVD (MP 0.00 TO MP 1.25)	1,8,9,16	2	2WU	1.25	20.64	104	*										17																							9,948	8,838		
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.7								**1.25**		**104**											**17**																							**9,948**	**8,838**		
																					17																						**9,948**		**8,838**		
2018CPT.10.07.20601.8	Mecklenburg	17	SR 3453 CPCC LANE	FROM BEGIN MAINTENANCE TO CAMPUS RIDGE RD (MP 0.00 TO MP 0.40)	11	2	2WU	0.4	21.7	104	*										32				4																			3,200	3,200		
2018CPT.10.07.20601.8	Mecklenburg	18	SR 3453 CPCC LANE	FROM CAMPUS RIDGE ROAD TO US 74 INDEPENDENCE BLVD (MP 0.40 TO MP 1.03)	11	2	2WU	0.63	24.18	104															8	5																	48	6,414	6,414		
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.8								**1.03**		**208**											**32**				**12**	**5**																	**48**	**9,614**	**9,614**		
																					32		**17**																				**9,662**		**9,614**		
2018CPT.10.07.20601.9	Mecklenburg	19	SR 5704 MATTHEWS INDIAN TRAIL ROAD	FROM UNION COUNTY LINE TO CPCC LANE (MP 0.00 TO MP 0.19)	2	2	2WU	0.19	25.05	104	*										27																							2,094	2,094		
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.9								**0.19**		**104**											**27**																							**2,094**	**2,094**		
																					27																						**2,094**		**2,094**		
2018CPT.10.07.20601.10	Mecklenburg	20	SR 1106 HAMILTON ROAD	FROM NC 160 TO SOUTH CAROLINA LINE (MP 0.73 TO MP 1.91)	12,13	2	2WU	1.18	28.23	104	*	40								290	132		12				16	1	2							12							1,300	14,060	10,300		
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.10								**1.18**		**104**		**40**								**290**	**132**		**12**				**16**	**1**	**2**							**12**							**1,300**	**14,060**	**10,300**		
																					132		**12**				**19**									**12**							**15,360**		**10,300**		
2018CPT.10.07.20601.11	Mecklenburg	21	SR 1100 MCKEE ROAD	FROM NORTH OF TRACE CHAIN LN (MP TO SOUTH OF TRACE LN (MP 0.38 TO MP 0.56)	10	2	2WU	0.18	18	52	*																																48	1,878	1,878		
2018CPT.10.07.20601.11	Mecklenburg	22	SR 1100 MCKEE ROAD	FROM NORTH OF RED BUCKBOARD LN TO SOUTH OF RED BUCKBOARD LN (MP 0.85 TO MP 1.02)	10	2	2WU	0.17	18	52			48																															1,862	1,862		
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.11								**0.35**		**104**			**48**																														**48**	**3,740**	**3,740**		
													48																														**3,788**		**3,740**		
2018CPT.10.07.20601.12	Mecklenburg	23	SR 1517 BANKHEAD ROAD	FROM BESSBROOK RD TO ROSAPENNY (MP 0.40 TO MP 0.80) THEN FROM WILBANKS DR. TO END MAINT (MP 0.94 TO MP 1.01)	10	2	2WU	0.48	19.65	104	*																																	5,040	5,040		
TOTAL FOR PROJ NO. 2018CPT.10.07.20601.12								**0.48**		**104**																																		**5,040**	**5,040**		
																																											5,040		**5,040**		
GRAND TOTAL								**22.83**		**1,790**	**1**	**760**	**147**		**1,611**	**368**	**4,440**	**2,690**	**136**	**1,016**	**1,045**	**371**	**36**		**28**	**10**	**159**	**34**	**33**	**4**	**2,160**	**26,420**	**48,280**	**4,764**	**787**	**24**	**8**	**116**	**31**	**31**	**4**	**1,880**	**30,434**	**158,757**	**137,450**	**40,680**	**1,282**
													147		**1,979**		**7,130**		**1,152**		**1,416**		**74**				**230**					**74,700**				**32**		**182**					**189,191**		**178,130**		

PROJ. REFERENCE NO.	SHEET NO.
2018CPT.10.07.10601.1, etc.	TMP-1

SIGNING FOR RESURFACING PROJECTS

LEGEND
- ⊢ STATIONARY SIGN
- ⬅ DIRECTION OF TRAFFIC FLOW





TEE INTERSECTION

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 — ROAD WORK AHEAD — W20-1, 48″ X 48″

2 — NEXT XX MILES — W7-3aP, 24″ X 18″

PLACE 1000′ PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000′ ALONG -Y- LINE.

#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 — LOWSOFT SHOULDER — SP 13107, 48″ X 48″

- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.
- AT TEE INTERSECTIONS INSTALL INITIALLY ½ MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.

4 — ROAD UNDER CONST — 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.
- FOR TEE INTERSECTIONS, INSTALL WITHIN 500′ +/- OF THE INTERSECTION ALONG -L- LINE.

5 — END ROAD WORK — G20-2 A, 48″ X 24″

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.

-Y- LINE SIGNING

NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

1) LESS THAN 1000′ OF RESURFACING ALONG -Y- LINE
2) SUBDIVISION ROADS
3) DEAD END ROADS

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.

ROAD WORK AHEAD — W20-1, 48″ X 48″
PLACED 500′ IN ADVANCE OF FLAGGER.

W20-7 A, 48″ X 48″
PLACED 250′ IN ADVANCE OF FLAGGER.

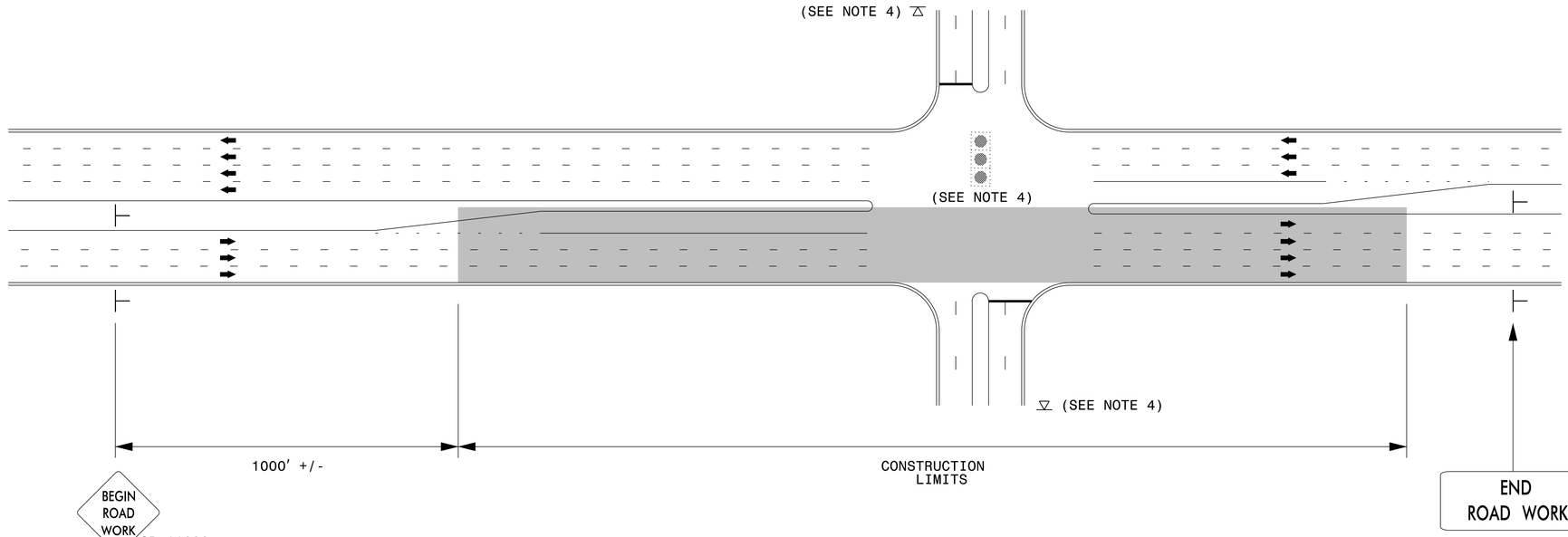
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

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

5/15/2017
SATMU\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn
User:kedavis

PROJ. REFERENCE NO.	SHEET NO.
2018CPT.10.07.10601.1, etc.	TMP-2

URBAN / SUBURBAN WORKZONES



NOTES:

1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
4) 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.
5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS.THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

- STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

RESURFACING ADVANCE WARNING SIGNS FOR URBAN / SUBURBAN FACILITIES

4/8/2015
C:\Users\rmgarrett\Downloads\Resurfacing_AdvWarn_UrSu (2).dgn
User:rmgarrett

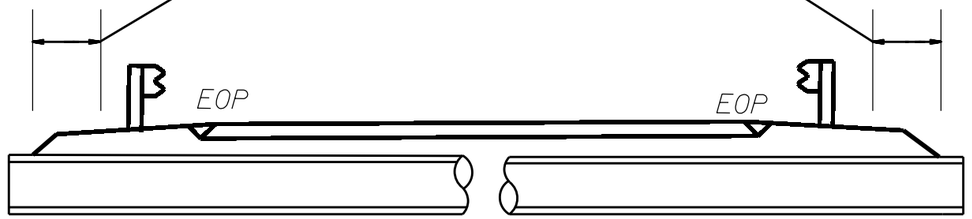
PROJECT REFERENCE NO.	SHEET NO.
2018CPT.10.07.10601.1, ETC.	EC-1

EROSION CONTROL DETAIL

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

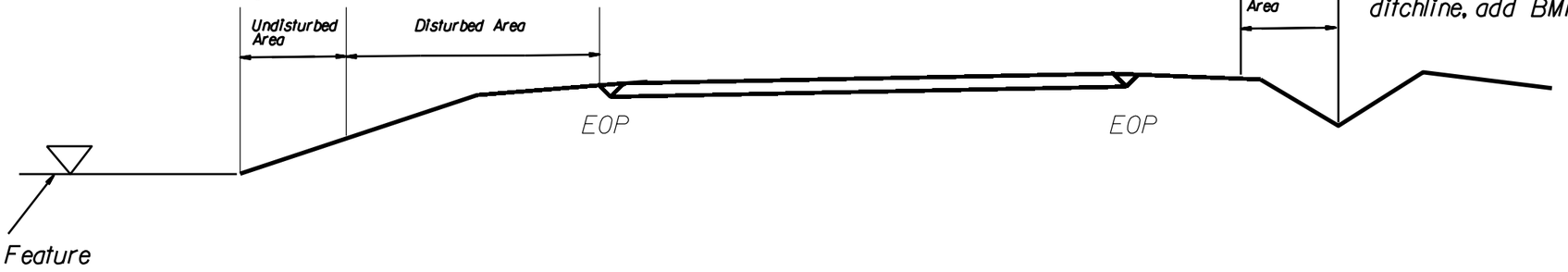
BMP Options: Wattle or Silt Fence

< 5' - 10' Undisturbed buffer add BMP



Pipe/Culvert

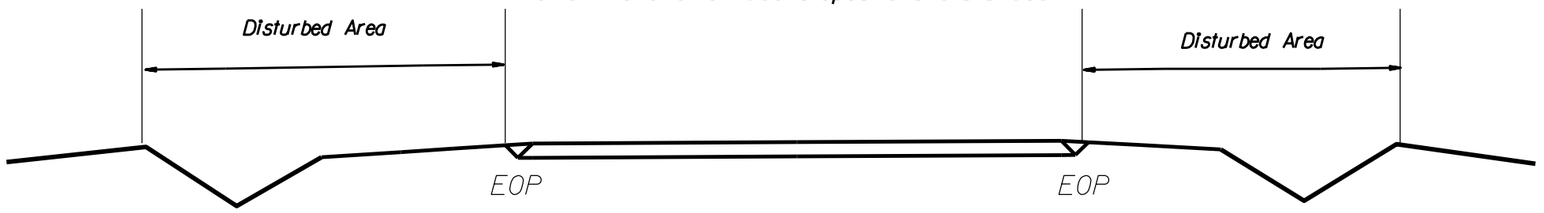
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



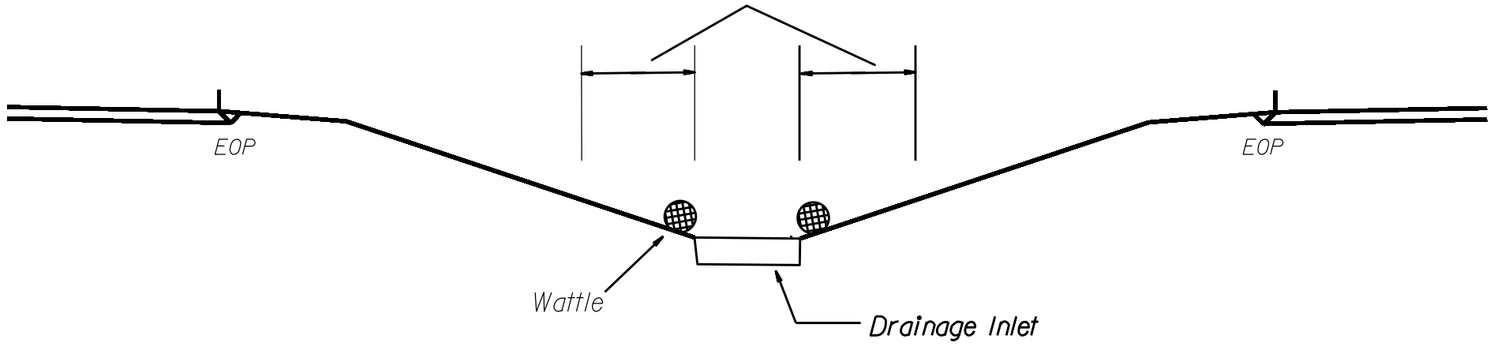
< 5' - 10' Undisturbed buffer from ditchline, add BMP

Jurisdictional Feature

Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



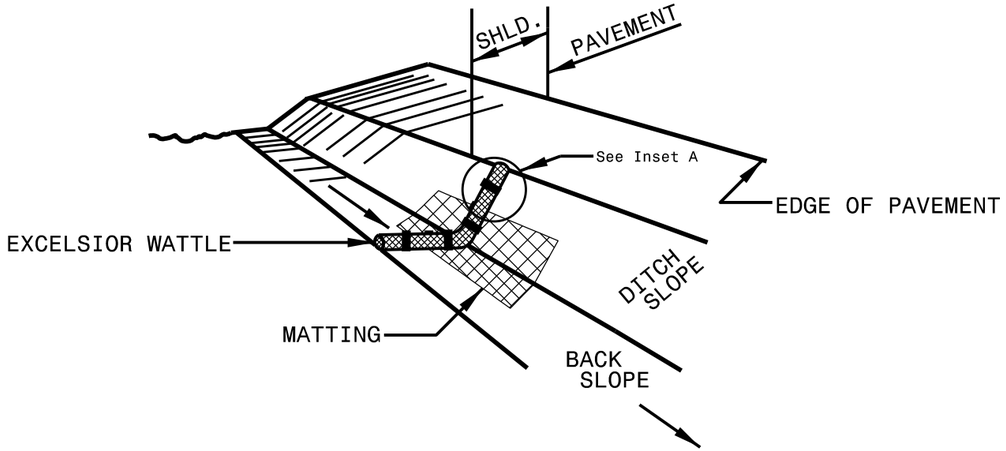
< 5' - 10' Undisturbed buffer from inlet, add wattle



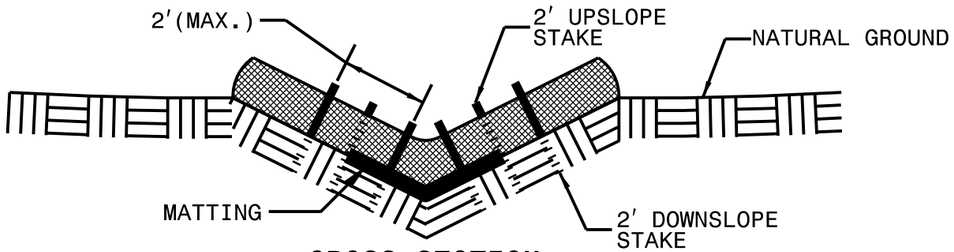
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
2018CPT.10.07.10601.1, ETC.	EC-2

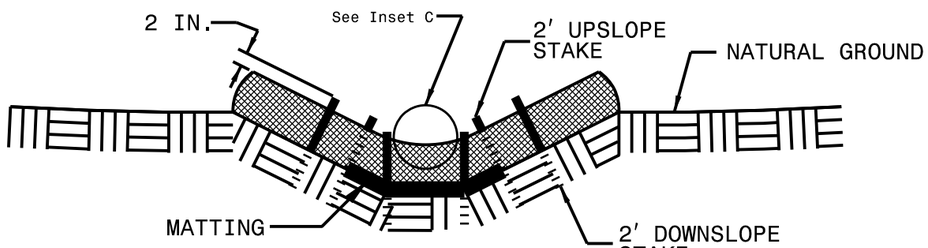
WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

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.

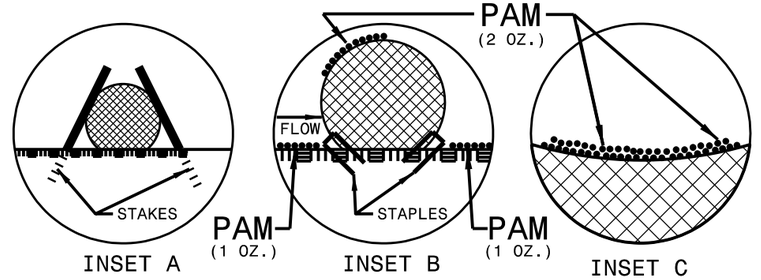
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

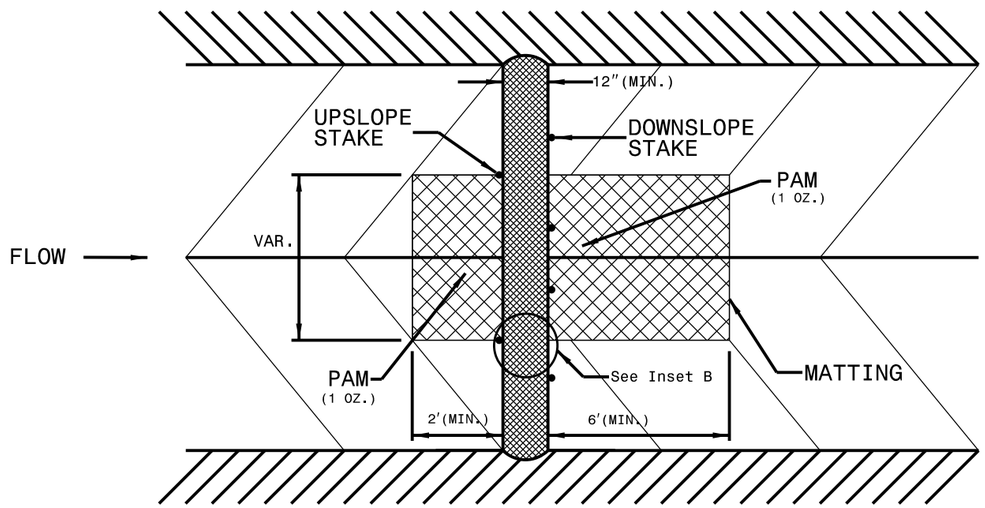
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

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