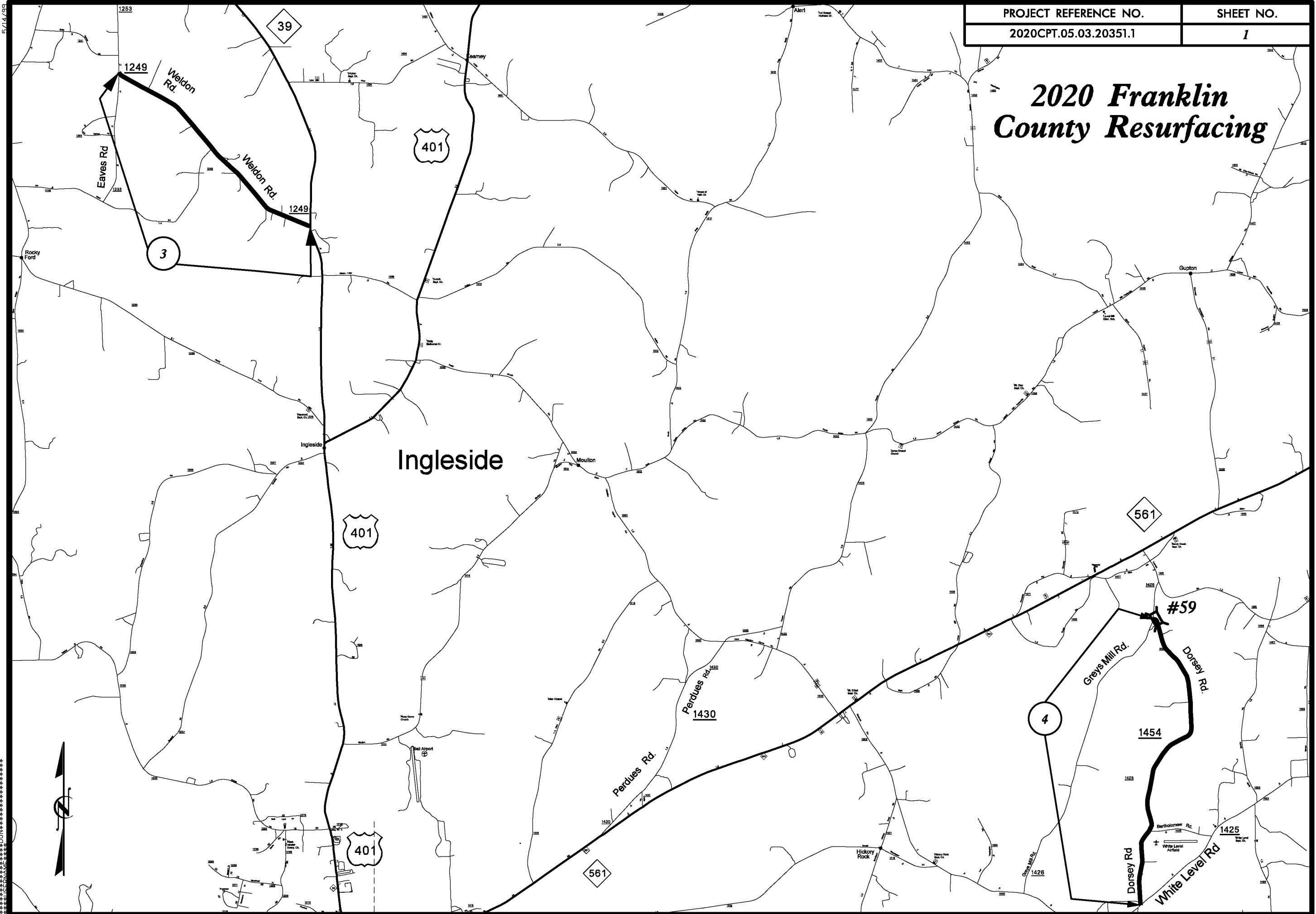
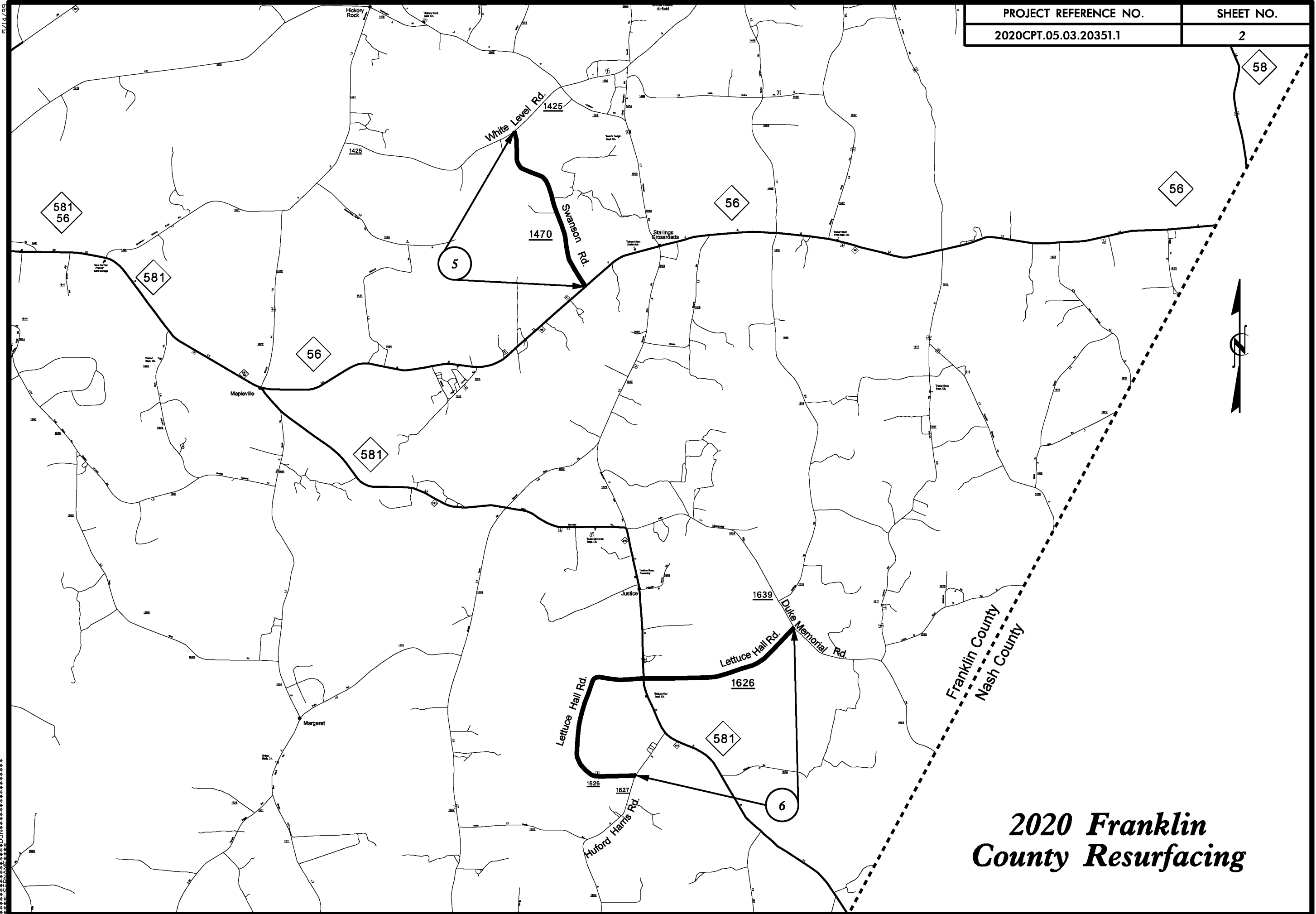


2020 Franklin County Resurfacing



5/14/20
SYTIME
CON



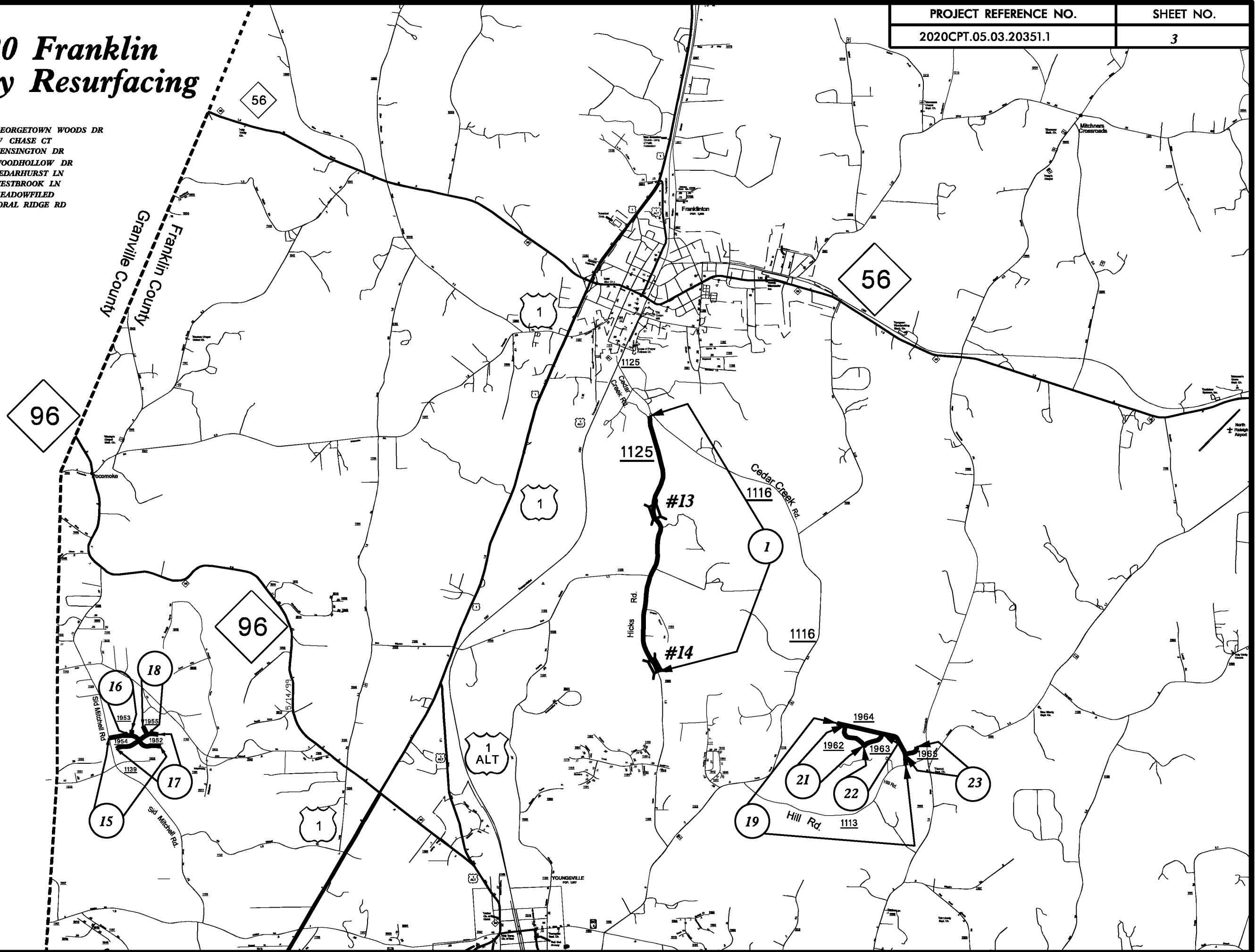
2020 Franklin County Resurfacing

5/14/20

DATE PLOTTED: 5/14/20
DRAWN BY: JACOBSON
CHECKED BY: JACOBSON
SCALE: AS SHOWN
PROJECT: 2020 CPT.05.03.20351.1

2020 Franklin County Resurfacing

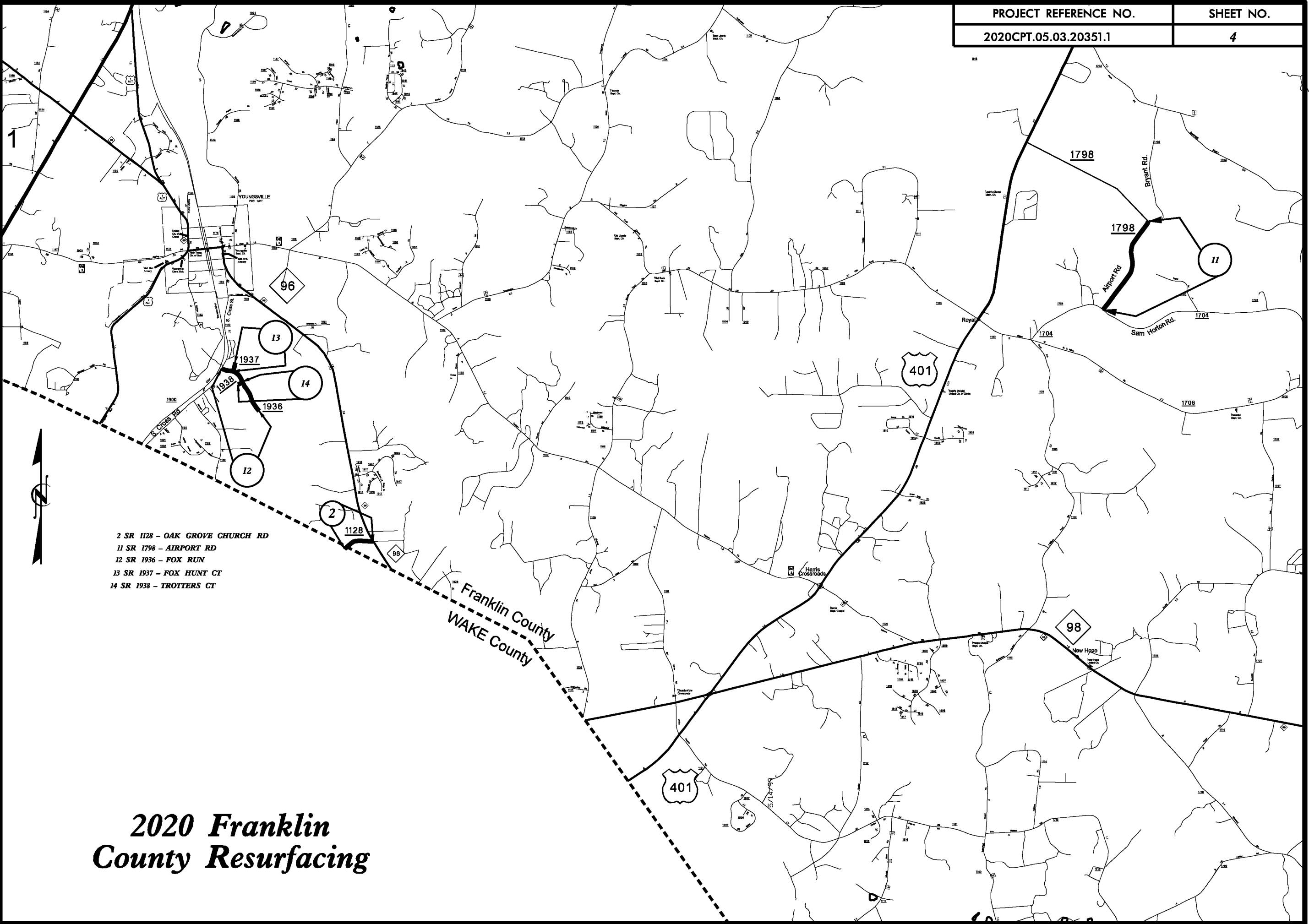
- 15 SR 1952 - GEORGETOWN WOODS DR
- 16 SR 1953 - W CHASE CT
- 17 SR 1954 - KENSINGTON DR
- 18 SR 1955 - WOODHOLLOW DR
- 19 SR 1964 - CEDARHURST LN
- 23 SR 1965 - WESTBROOK LN
- 22 SR 1963 - MEADOWFILED
- 21 SR 1962 - CORAL RIDGE RD



5/14/99
 COUNTY OF FRANKLIN
 COUNTY ENGINEER
 COUNTY COMMISSIONERS

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
2020CPT.05.03.20351.1	4



2 SR 1128 - OAK GROVE CHURCH RD
11 SR 1798 - AIRPORT RD
12 SR 1936 - FOX RUN
13 SR 1937 - FOX HUNT CT
14 SR 1938 - TROTTERS CT

Franklin County
WAKE County

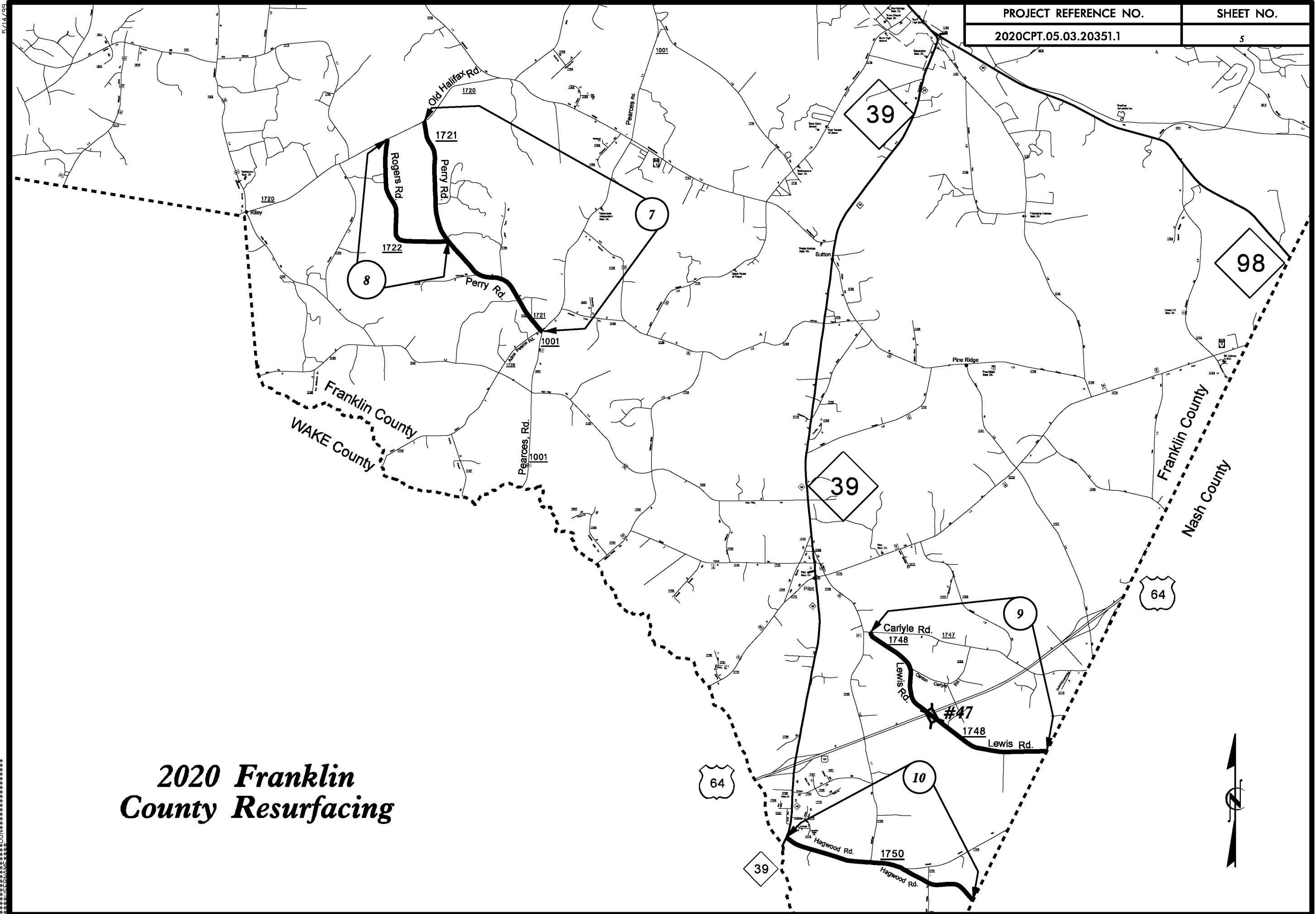
2020 Franklin County Resurfacing

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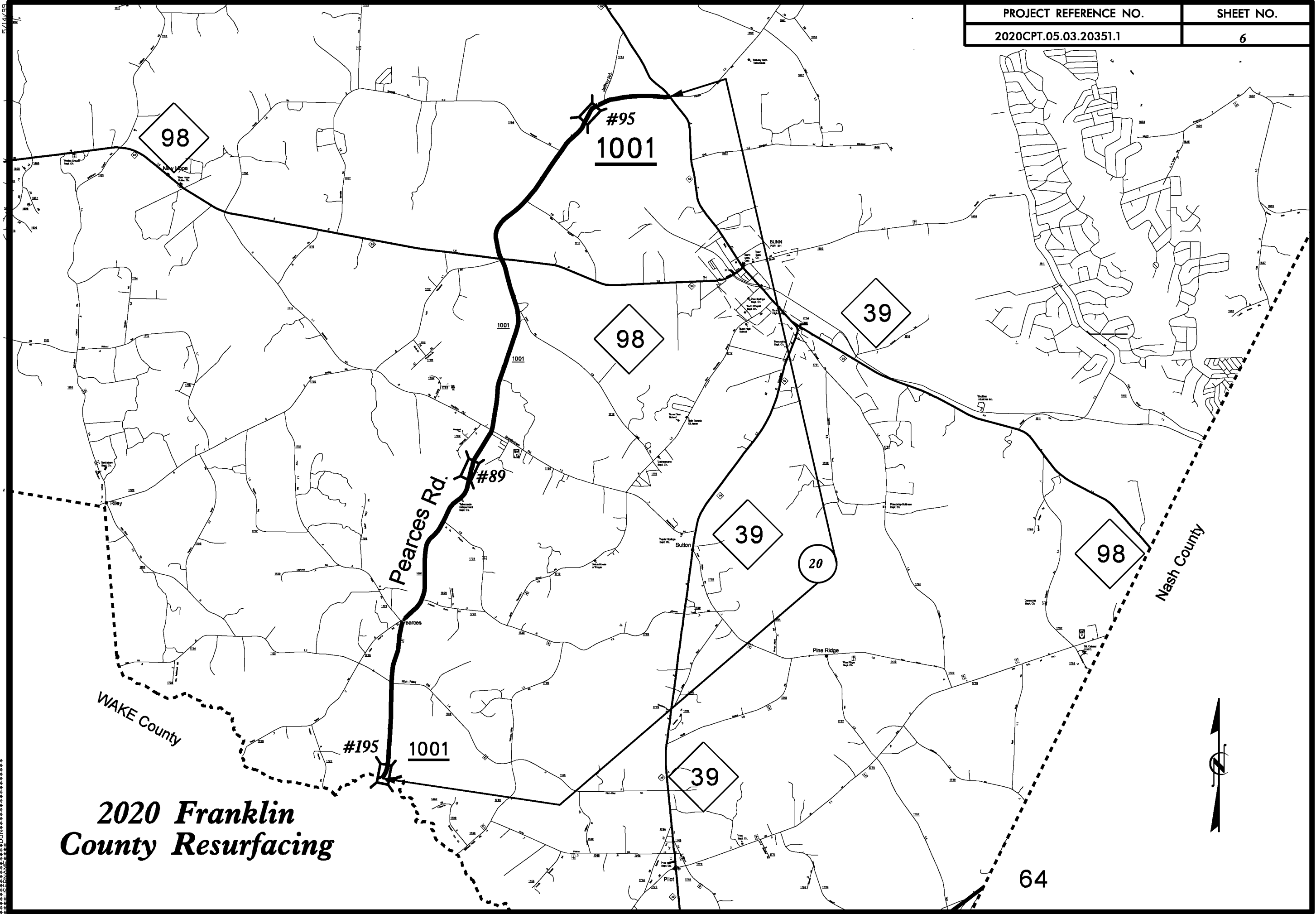
2020 Franklin County Resurfacing

5/14/20

DATE PLOTTED: 5/14/20 10:58 AM



**2020 Franklin
County Resurfacing**



5/14/20
C:\WORK\2020\2020CPT\05\03\20351\1\2020CPT.05.03.20351.1.DWG

PAVEMENT SCHEDULE

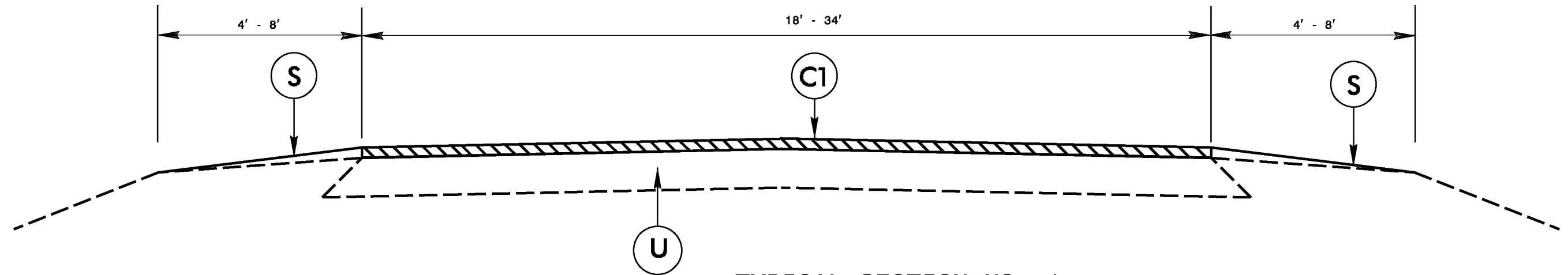
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SHEET NO.

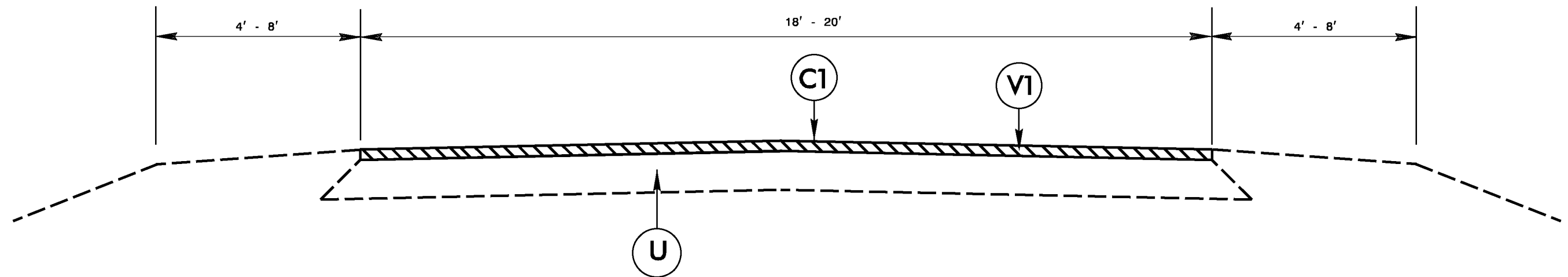
2020CPT.05.03.2035I.1

7

C1	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.	S	SHOULDER GRADING ASB REQUIRED (EXCEPT AT RESIDENTIAL AREAS)
V1	1½" MILLING	U	EXISTING PAVEMENT



TYPICAL SECTION NO. 1



TYPICAL SECTION NO. 2

PAVEMENT SCHEDULE

PROJECT REFERENCE NO.

SHEET NO.

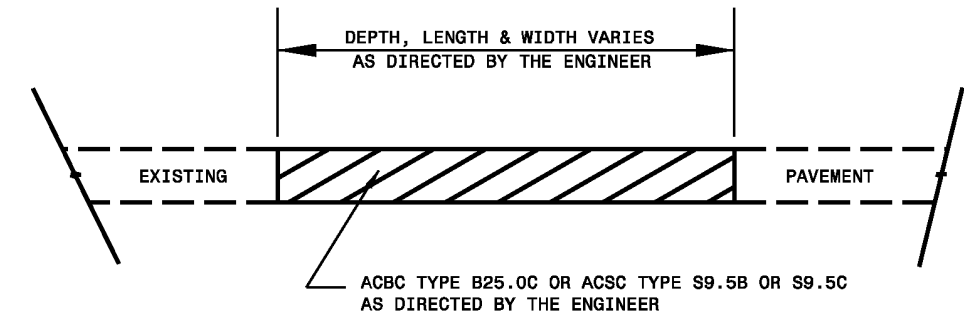
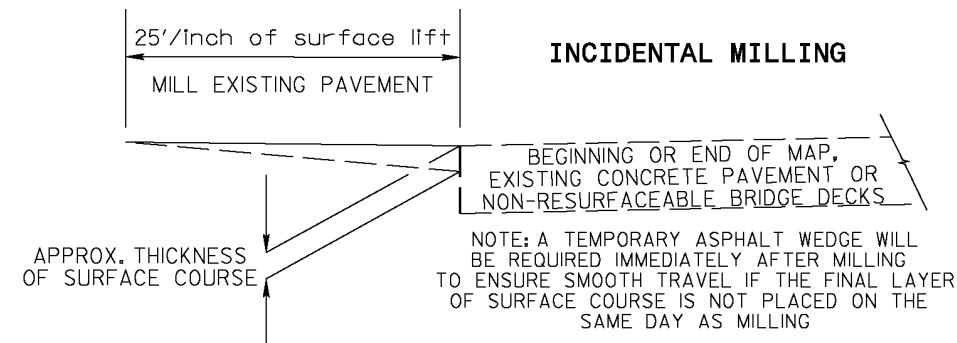
2020CPT.05.03.20351.1

8

C1	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.	S	SHOULDER GRADING ASB REQUIRED (EXCEPT AT RESIDENTIAL AREAS)
V1	1½" MILLING	U	EXISTING PAVEMENT

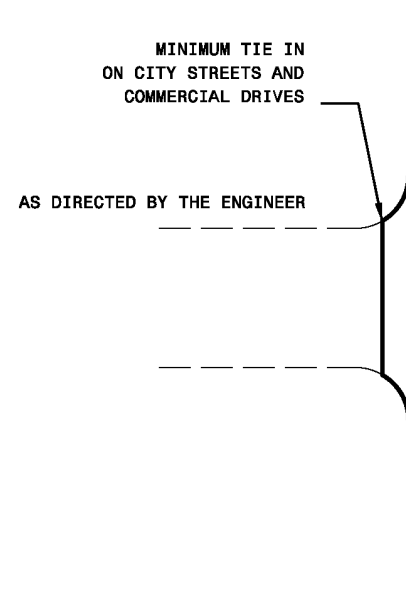
NOTES

ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT
 ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
 BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

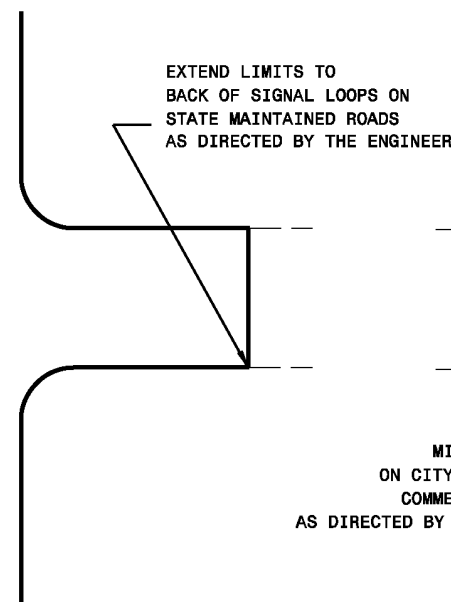


PATCHING EXISTING PAVEMENT

MILLING TO BE PERFORMED PRIOR TO PATCHING



DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

MINIMUM TIE IN ON CITY STREETS AND COMMERCIAL DRIVES AS DIRECTED BY THE ENGINEER

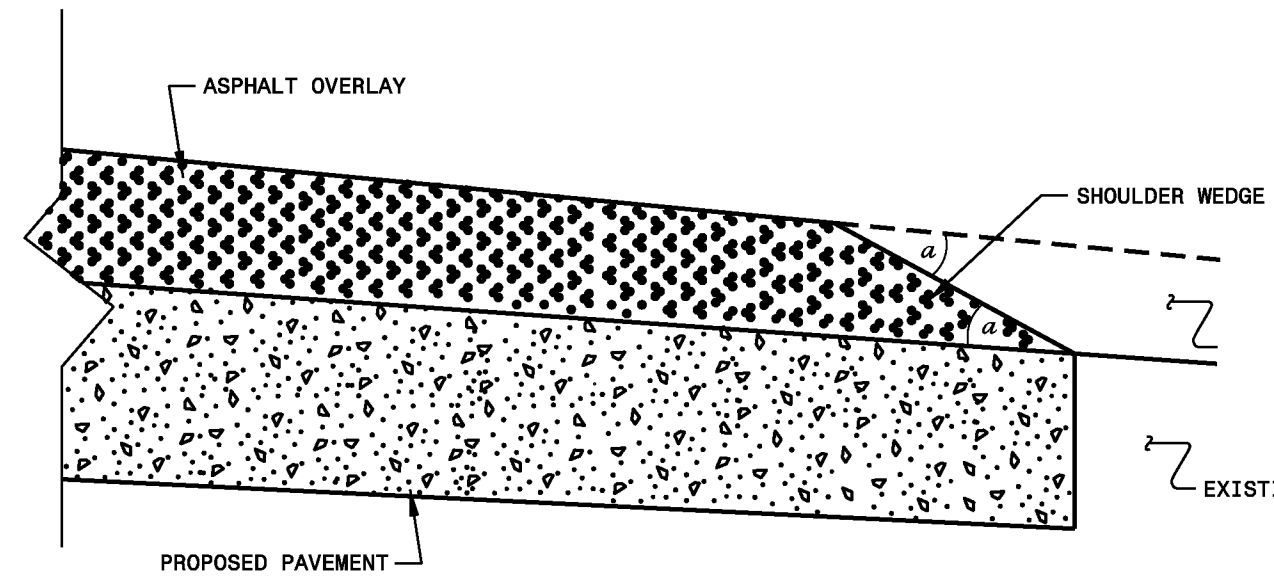
EXTEND LIMITS TO BACK OF RADIUS ON STATE MAINTAINED ROADS AS DIRECTED BY THE ENGINEER

**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA**

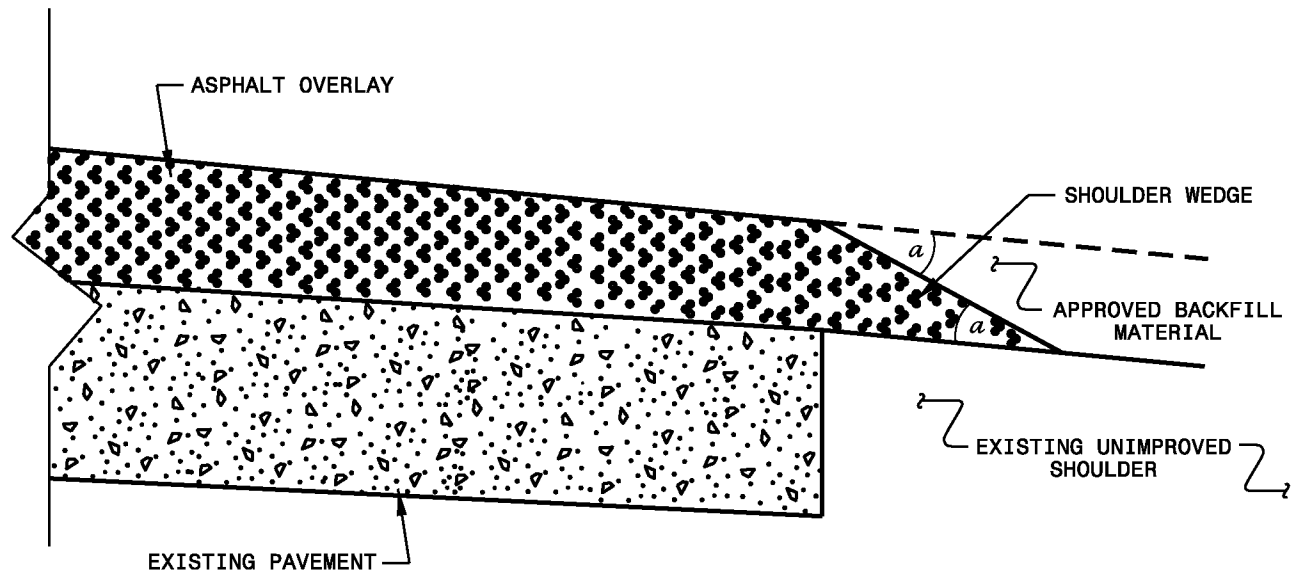
SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HOW ZONES.

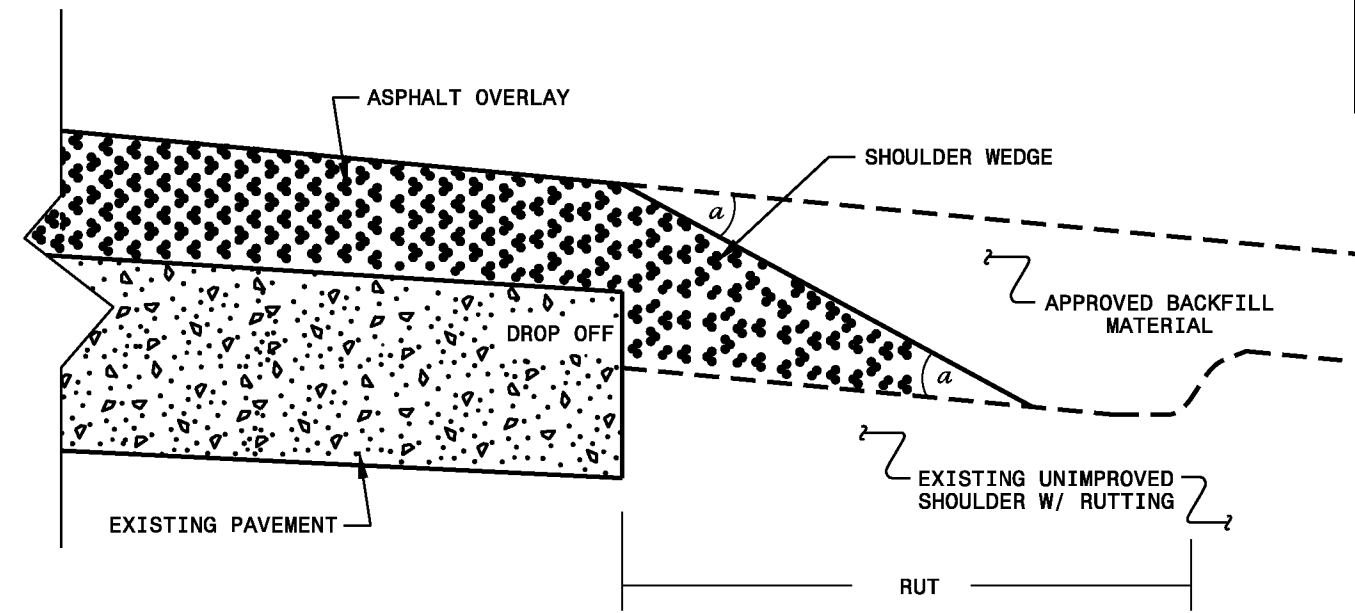
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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: 2/2/18		
CHECKED BY:	DATE:		
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn			

 SYSTEMTIME: 2/2/2018 10:10:10 AM
 USER: T.SPELL

PROJECT NO.	SHEET NO.	TOTAL NO.
2020CPT.05.03.20351.1	11	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH		0106000000-E	0264000000-E	1220000000-E	1260000000-E	1297000000-E	1330000000-E	1519000000-E	1575000000-E	1704000000-E	2845000000-N	6000000000-E	6071010000-E	6084000000-E		
									MI	FT	BORROW	SHOULDER GRADING	INCIDENTAL STONE BASE	AGGREGATE SHOULDER BORROW	1½" MILLING	INCIDENTAL MILLING	SURFACE COURSE, 59.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ADJUST METER OR VALVE BOX	TEMPORARY SILT FENCE	WATTLE	SEED & MULCHING		
				SR 1116 - CEDAR CREEK RD TO BRIDGE # 14	1	2	NO	NO	2.269	20-34	47	1.56	39	58		863	2,574	172	180		68	180	0.68		
				SR 1128 - OAK GROVE CHURCH RD NC 96 TO WAKE CO LINE	1	2	NO	YES	0.270	19	8	0.54	14	35		625	317	21	15		12	30	0.12		
				SR 1249 - WELDON RD NC 39 TO SR 1253 - EAVES RD	1	2	NO	YES	2.140	20	107	4.28	107	198		832	2,261	151	125		156	390	1.56		
				SR 1426 - GREYS MILL RD TO 1425-WHITE LEVEL RD	1	2	NO	NO	2.790	20	21	4.22	106	351		937	2,935	197	102		31	80	0.31		
				SR 1470 - SWANSON RD NC 56 TO SR- 1425 - WHITE LEVEL RD	1	2	NO	NO	1.580	20	32	3.16	79	234		455	1,648	110	80		46	120	0.46		
				SR - 1627 - HUFORD HARRIS RD TO SR - 1639 - DUKE MEMORIAL RD	1	2	NO	NO	3.200	20	64	6.40	160	473		426	3,321	223	425		93	240	0.93		
				SR 1720 - OLD HALIFAX RD TO SR 1001 PEARCES RD	1	2	NO	NO	2.280	20	68	4.56	114	295		217	2,332	156	380		99	250	0.99		
				SR 1720 - OLD HALIFAX RD TO SR 1721 PERRY RD	1	2	NO	NO	1.340	20	67	2.68	67	124		125	1,370	92	14		97	250	0.97		
				SR 1747 - CARLYLE RD TO NASH CO LINE	1	2	NO	YES	2.070	20	145	4.14	104	115		1,111	2,184	146	525		211	530	2.11		
				SR 1750 - HAGWOOD RD NC 39 TO NASH CO LINE	1	2	NO	YES	1.770	20	177	7.08	89			1,150	1,910	128	280		257	650	2.57		
				SR 1704 - SAM HORTON RD TO PAVEMENT JOINT	1	2	NO	NO	0.940	24		1.88	47	173		308	1,177	79	85						
				SR 1130 - S CROSS ST TO CUL - DE - SAC	2	2	NO	NO	0.520	20			26		6,368		555	37							
				SR 1936 - FOX RUN TO CUL - DE - SAC	2	2	NO	NO	0.067	18			3		1,039		97	7	12						
				SR 1936 - FOX RUN TO CUL - DE - SAC	2	2	NO	NO	0.055	20			3		939		90	6							
				SR 1139 - SID MITCHELL RD TO CUL - DE - SAC	2	2	NO	NO	0.540	20			27		6,426	144	586	39							
				SR 1952 - GEORGETOWN WOODS DR TO CUL - DE - SAC	2	2	NO	NO	0.043	20			21		5,213	34	72	5	21	2					
				CUL - DE - SAC TO CUL - DE - SAC	2	2	NO	NO	0.440	20			22		5,770		503	34							
				SR - 1954 KENSINGTON DR TO END OF MAINT	2	2	NO	NO	0.070	20			4		821		72	5		1					
				SR 1113 - HILL RD TO CUL - DE - SAC	2	2	NO	NO	0.760	18			38		8,328	110	736	49	282						
				250' FROM WAKE CO LINE TO NC 39	1	2	NO	NO	7.133	20-34	179	14.27	359	989		3,106	7,628	511	3,178		260	650	2.59		
				SR 1963 - MEADOWFIELD LN TO SR 1964 - CEDARHURST LN	2	2	NO	NO	0.270	18			14		2,851	71	257	17	5						
				SR 1964 - CEDARHURST LN TO END OF MAINT	2	2	NO	NO	0.210	18			10		2,218	88	201	13	5						
				SR 1964 - CEDARHORST TO END OF MAINT	2	2	NO	NO	0.130	18			7		1,373	108	129	9							
TOTAL FOR PROJ NO. 2020CPT.05.03.100351.1											30.887		915	54.77	1,460	3,045	41,346	10,710	32,955	2,207	5,714	3	1,330	3,370	13.29
GRAND TOTAL											30.887		915	54.77	1,460	3,045	41,346	10,710	32,955	2,207	5,714	3	1,330	3,370	13.29

2020CPT.05.03.20351.1

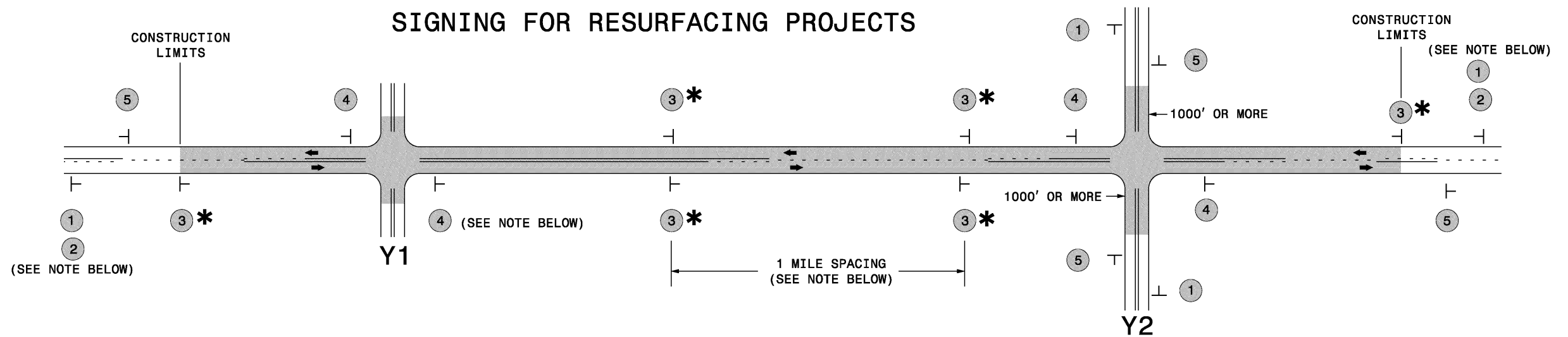
Franklin

PROJECT NO.	SHEET NO.	TOTAL NO.
2020CPT.05.03.20351.1	12	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	441300000-E		445700000-N	468500000-E	468600000-E			469500000-E	470000000-E	471000000-E	472500000-E		477000000-E		485000000-E	
								LENGTH	WIDTH	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 120 M YELLOW THERMO	4" X 120 M WHITE THERMO	8" X 90 M WHITE THERMO	12" X 90 M YELLOW THERMO	24" X 120 M WHITE THERMO	THERMO LT ARROW 90 M	THERMO STR & RT ARROW 90 M	4" WHITE COLD APPLIED PLASTIC, TYPE II	4" YELLOW COLD APPLIED PLASTIC, TYPE II	4" LINE REMOVAL	
								MI	FT	SF	LS	LF	LF	LF	LF	LF	EA	EA	LF	LF	LF		
2020CPT.05.03.20351.1	Franklin	1	SR 1125 - HICKS RD/ CEDAR CREEK RD	SR 1116 - CEDAR CREEK RD TO BRIDGE # 14	1	2		2.269	20-34	126	0.03	24,414	23,960	496		243		5	4				
		2	SR 1128 - OAK GROVE CHURCH RD	NC 96 TO WAKE CO LINE	1	2		0.270	19	30	0.01	2,905	2,852	50									
		3	SR 1249 - WELDON RD	NC 39 TO SR 1253 - EAVES RD	1	2		2.140	20	240	0.07	23,026	22,598										
		4	SR 1454 - DORSEY RD	SR 1426 -GREYS MILL RD TO 1425- WHITE LEVEL RD	1	2		2.790	20	236	0.08	30,020	29,462	100									
		5	SR 1470 - SWANSON RD	NC 56 TO SR- 1425 - WHITE LEVEL RD	1	2		1.580	20	177	0.05	17,001	16,684	109									
		6	SR 1626 - LETTUCE HALL RD	SR - 1627 - LETTUCE HALL RD TO SR - 1639 - DUKE MEMORIAL RD	1	2		3.200	20	358	0.10	34,432	33,792	75									
		7	SR 1721- PERRY RD	SR 1720 - OLD HALIFAX RD TO SR 1001 - PEARCES RD	1	2		2.280	20	255	0.07	24,533	22,488										
		8	SR 1722 - ROGERS RD	SR 1720 - OLD HALIFAX RD TO SR 1721 PERRY RD	1	2		1.340	20	150	0.04	14,418	14,150	29									
		9	SR 1748 - LEWIS RD	SR 1747 - CARLYLE RD TO NASH CO LINE	1	2		2.070	20	232	0.07	22,273	21,860								562	562	1,124
		10	SR 1750 - HAGWOOD RD	NC 39 TO NASH CO LINE	1	2		1.770	20	198	0.06	19,045	18,692	192									
		11	SR 1798 - AIRPORT RD	SR 1704 - SAM HORTON RD TO.PAVEMENT JOINT	1	2		0.940	24	150	0.04	9,576	9,398	44									
		12	SR 1936 - FOX RUN	SR 1130 - N WHITE ST TO CUL - DE - SAC	2	2		0.520	20	58	0.02												
		13	SR 1937 - FOX HUNT CT.	SR 1936 - FOX RUN TO CUL- DE-SAC	2	2		0.067	18	8													
		14	SR 1938 - TROTTERS CT	SR 1936 - FOX RUN TO CUL -DE- SAC	2	2		0.055	20	6	0.01												
		15	SR 1952 - GEORGETOWN WOODS DR	SR 1139 - SID MITCHELL RD TO CUL- DE- SAC	2	2		0.540	20	6	0.02												
		16	SR 1953 - W CHASE CT	SR 1952- GEORGETOWN WOODS DR TO CUL-DE-SAC	2	2		0.043	20	47	0.01												
		17	SR 1954 - KENSINGTON DR	CUL - DE- SAC TO CUL -DE- SAC	2	2		0.440	20	49	0.02												
		18	SR 1955 - WOODHOLLOW DR	SR - 1954 KENSINGTON DR TO END OF MAINT	2	2		0.070	20	8	0.01												
		19	SR 1964 - SEDARHURST LN	SR 1113 - HILL RD TO CUL- DE- SAC	2	2		0.760	18	86	0.02												
		20	SR 1001- PEARCES RD	250' FROM WAKE CO LINE TO NC 39	1	2		7.133	20-34	804	0.24	75,388	73,951	342	153		92						
		21	SR 1962 - CORAL RIDGE CR	SR 1963 - MEADOWFIELD LN TO SR 1964 - CEDARHURST LN	2	2		0.270	18	30	0.01												
		22	SR1963 - MEADOWFIELD LN	SR 1964 - CEDARHURST LN TO END OF MAINT	2	2		0.210	18	23	0.01												
		23	SR 1965 - WESTBROOK LN	SR 1964 - CEDARHORST TO END OF MAINT	2	2		0.130	18	15	0.01												
TOTAL FOR PROJ NO. 2020CPT.05.03.100351.1								30.887		3,292	1.00	297,031	289,887	1,437	153	243	92	5	4	562	562	1,124	
												291,324				9		1,124					
GRAND TOTAL								30.887		3,292	1.00	297,031	289,887	1,437	153	243	92	5	4	562	562	1,124	
												291,324				9		1,124					

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.
	2	#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 *	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	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	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.	

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

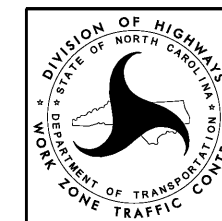
WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

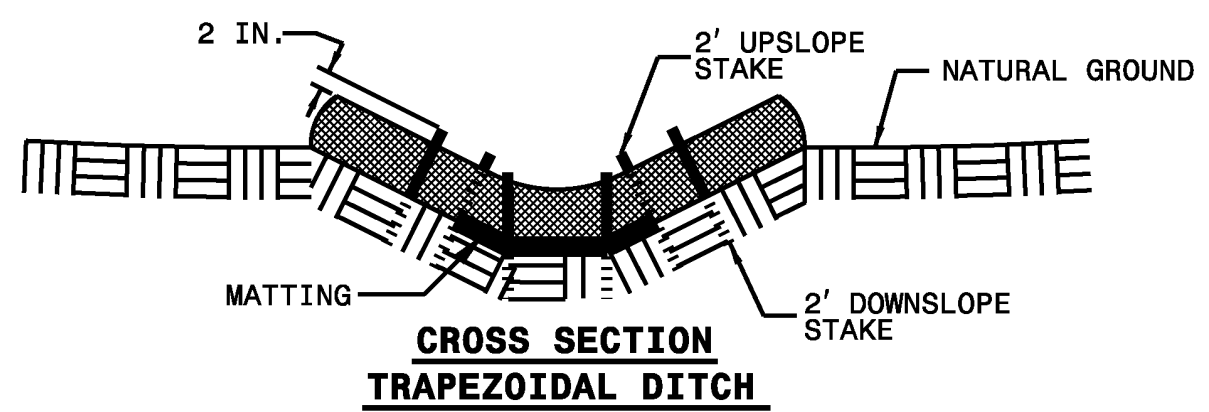
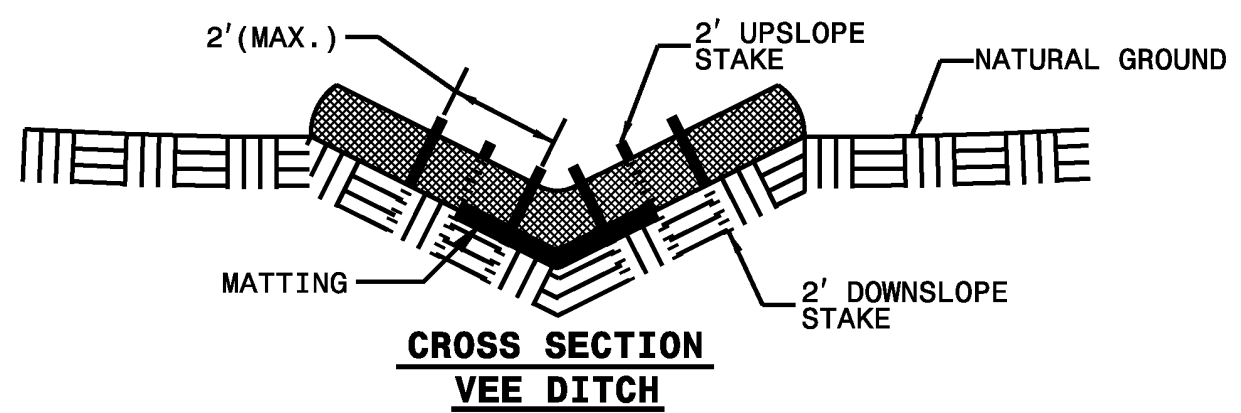
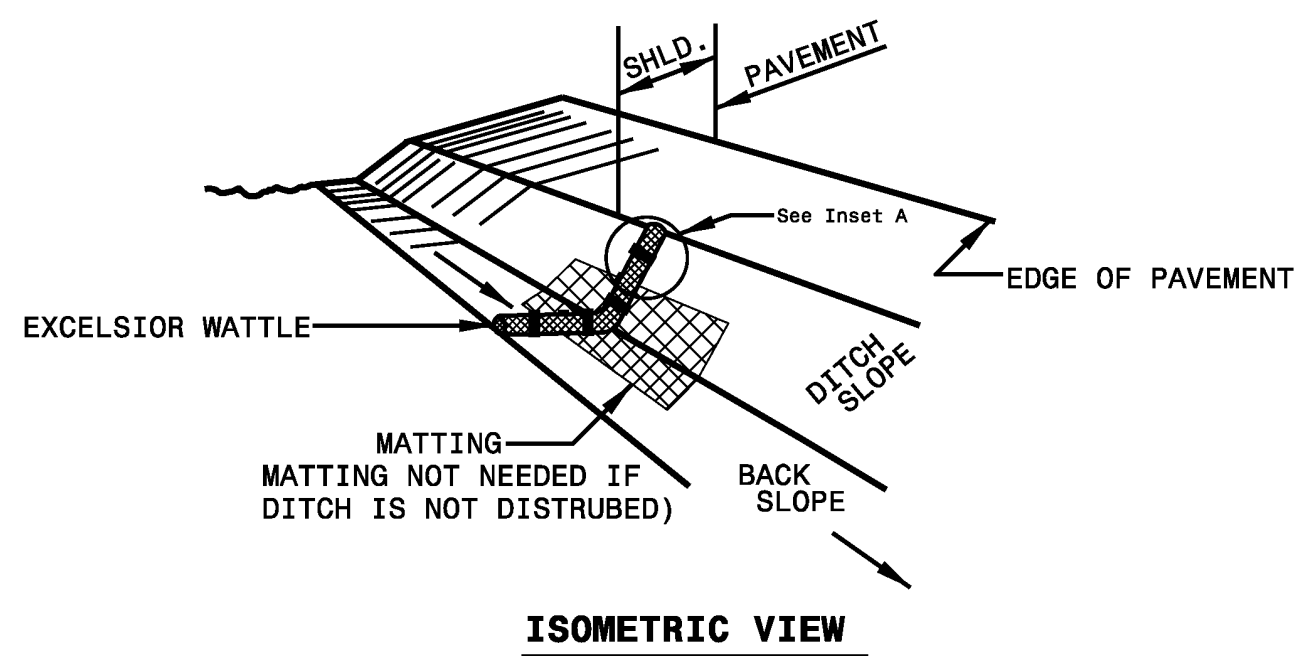
* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS: STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).



RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

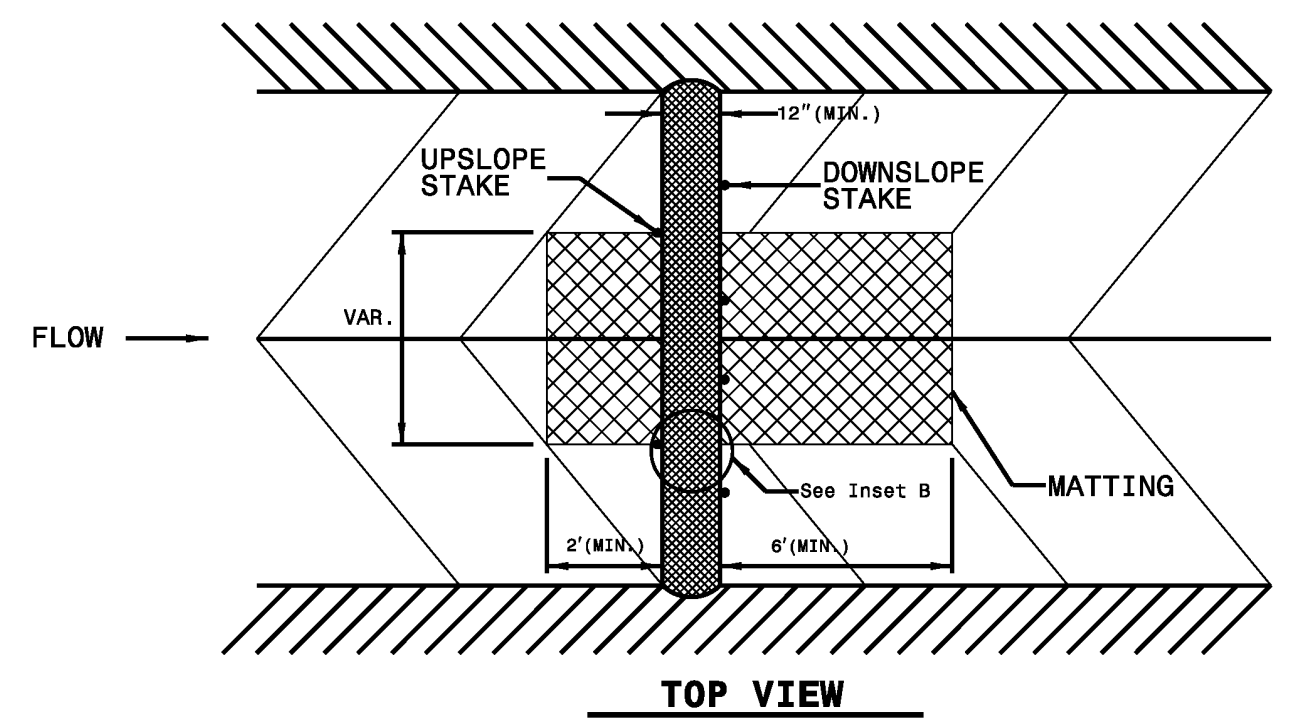
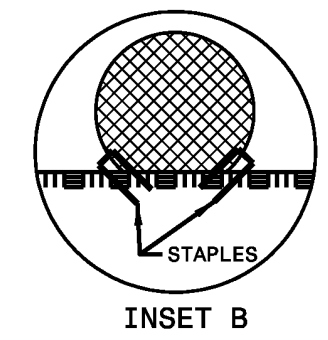
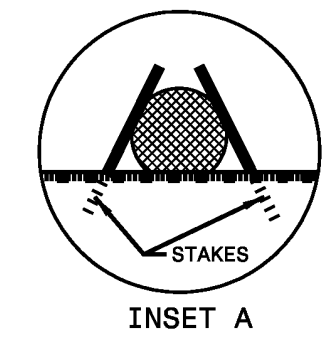
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

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

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

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

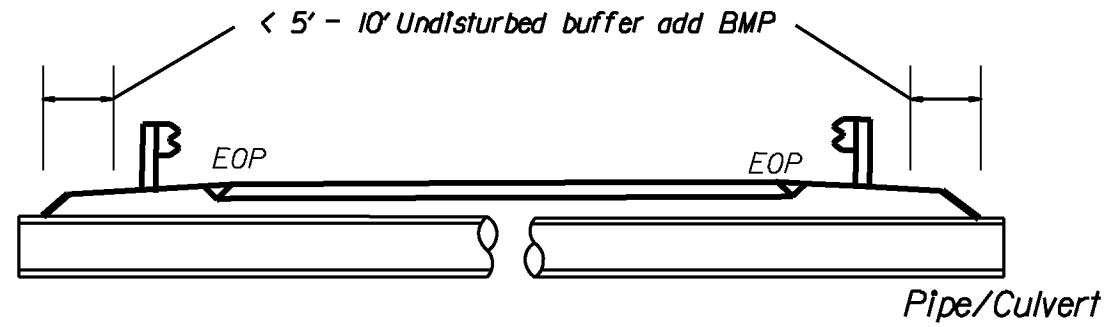


NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

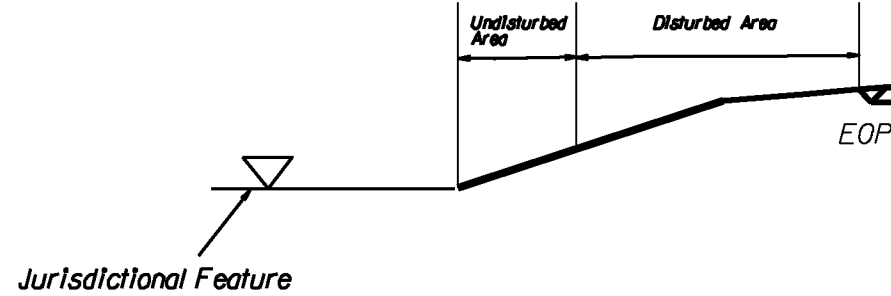
BMP Options: Wattle, Silt Fence, or Hardened Aggregate.

EROSION CONTROL DETAIL

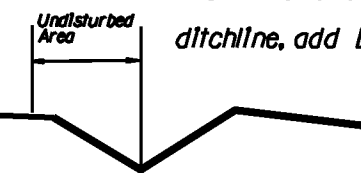
PROJECT REFERENCE NO. 2020CPT.05.03.20351.1	SHEET NO. EC-2
BY SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



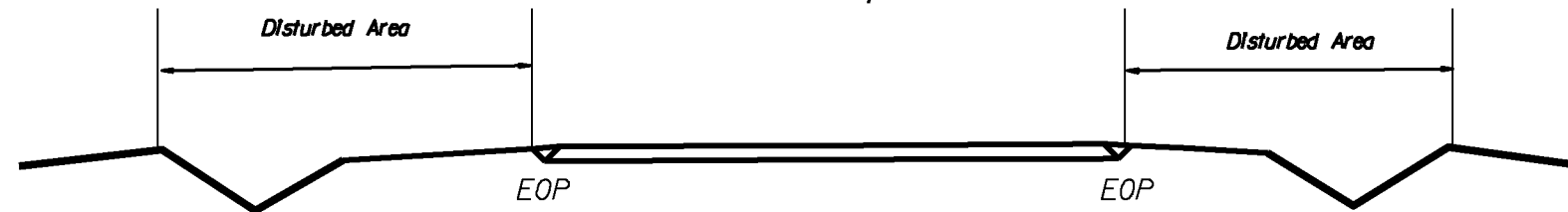
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



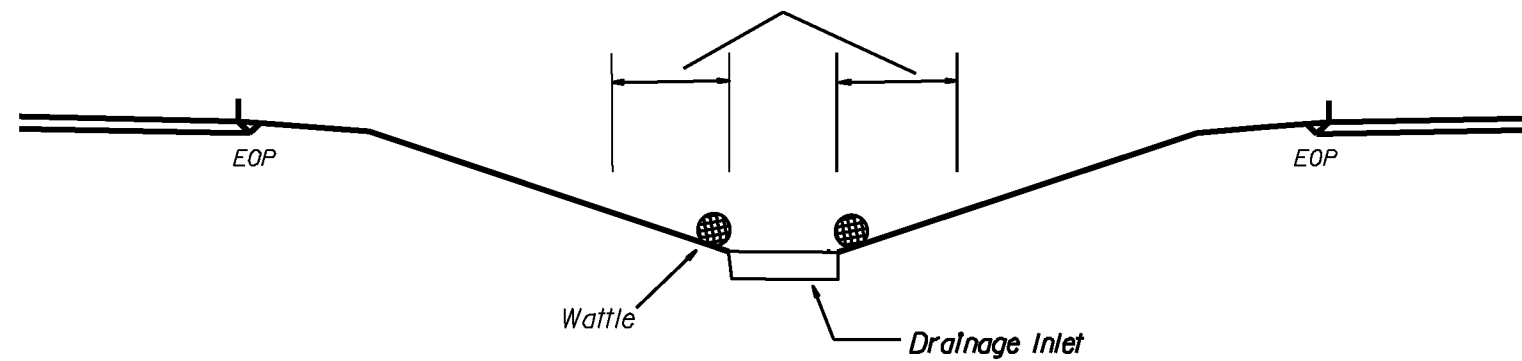
< 5' - 10' Undisturbed buffer from ditchline, add BMP



Use BMP's if shoulders and/or front slopes and/or ditchline and/or back slopes are disturbed



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



NOT TO SCALE