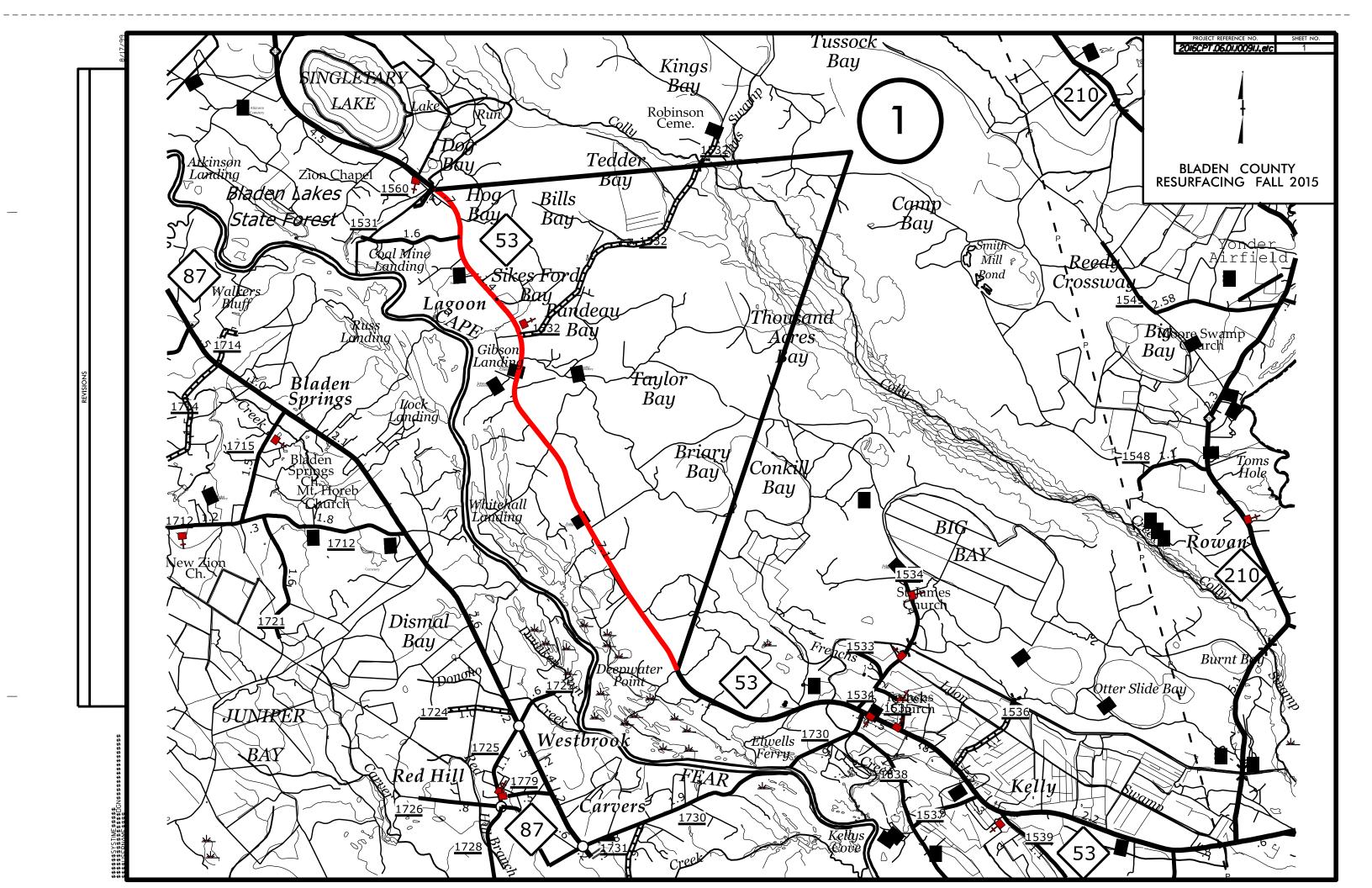
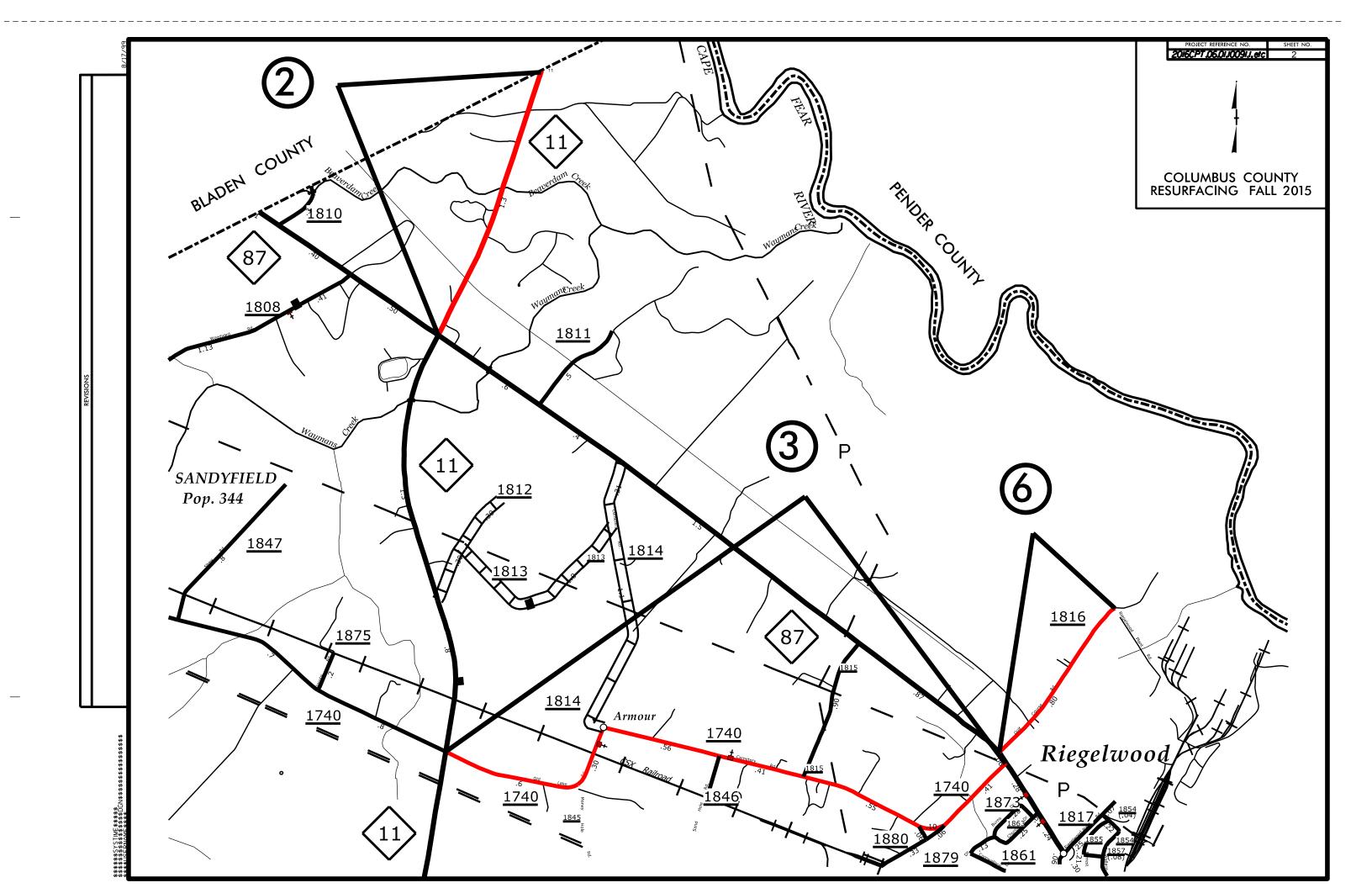
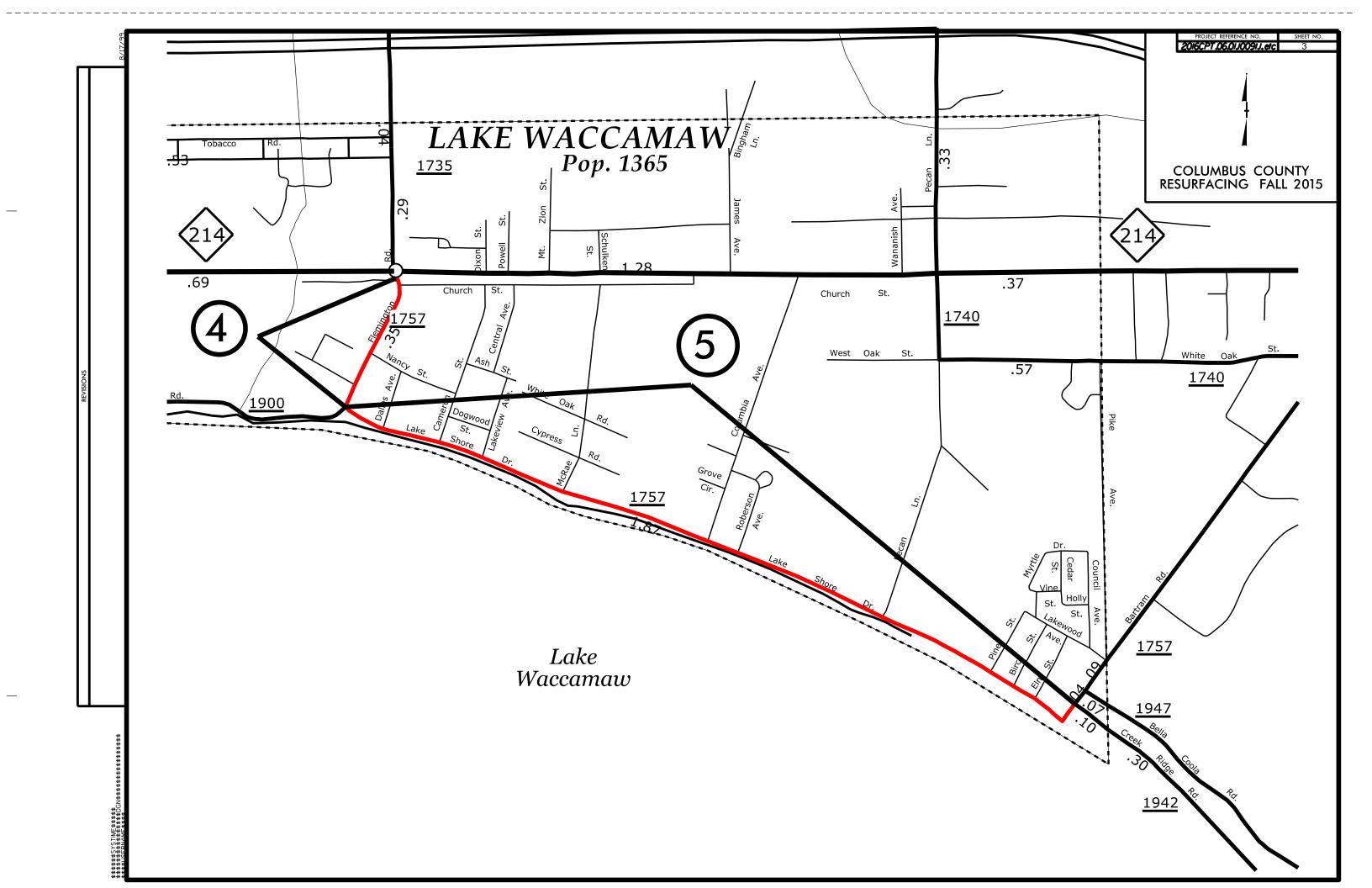
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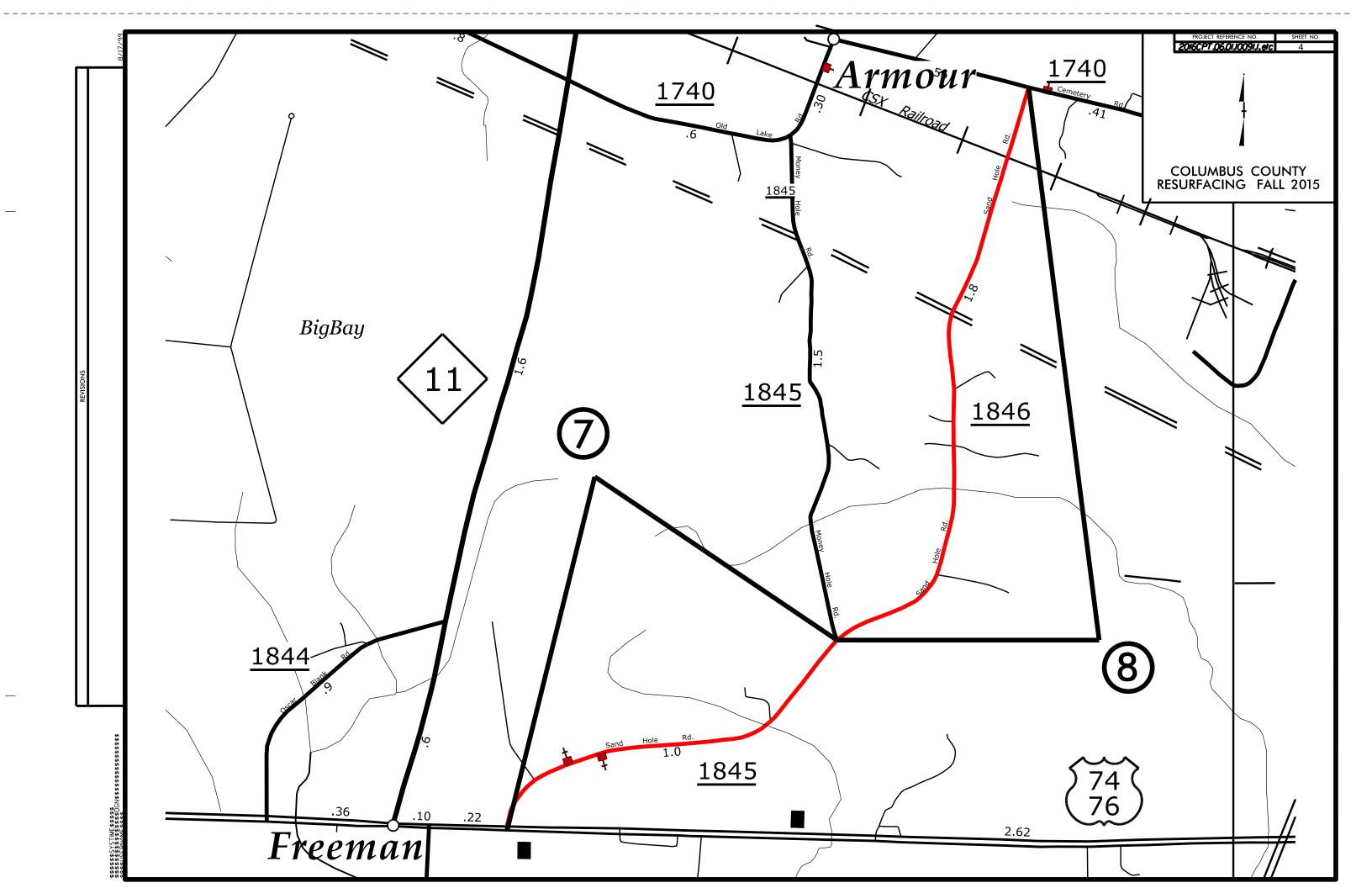
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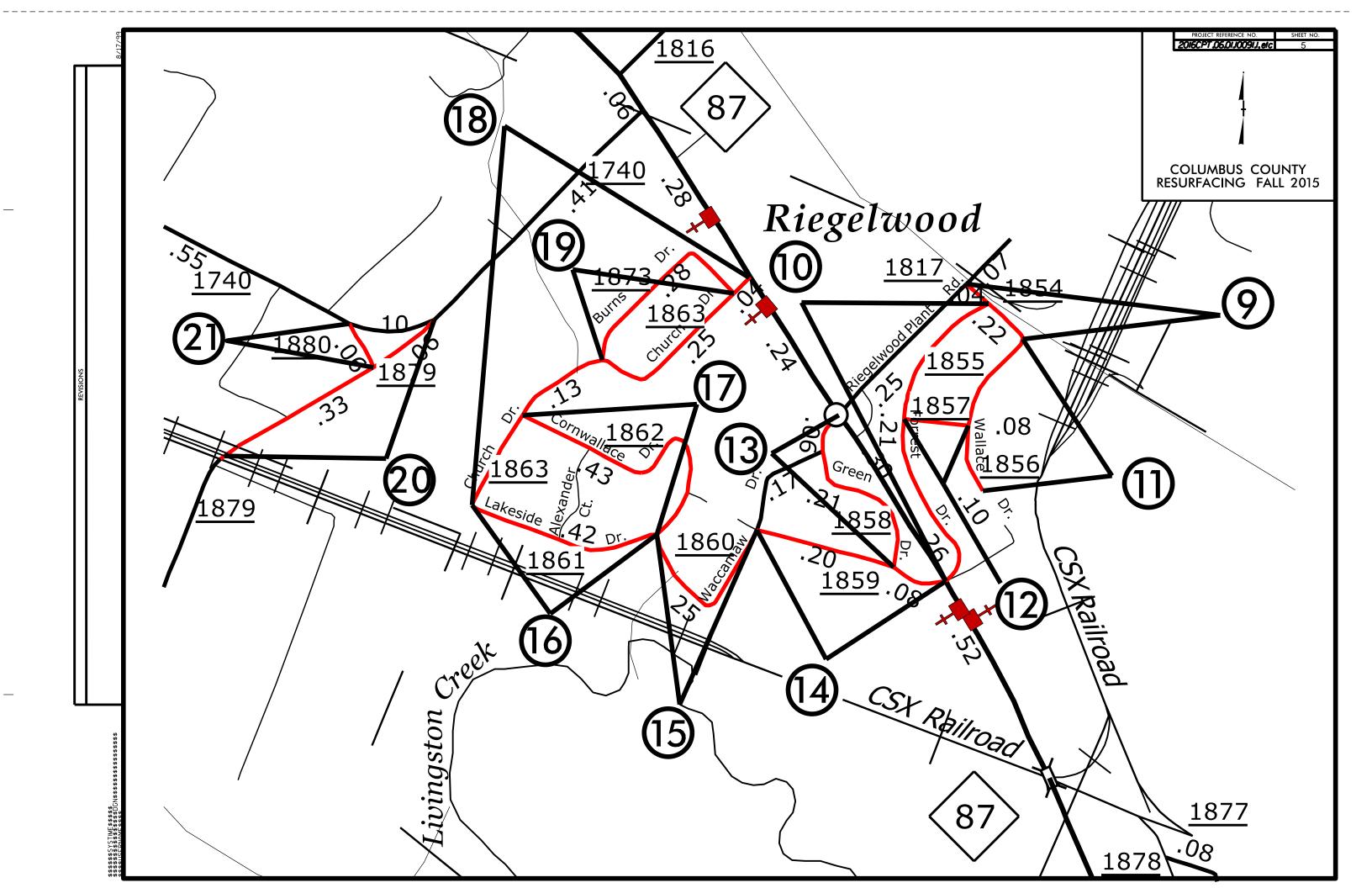
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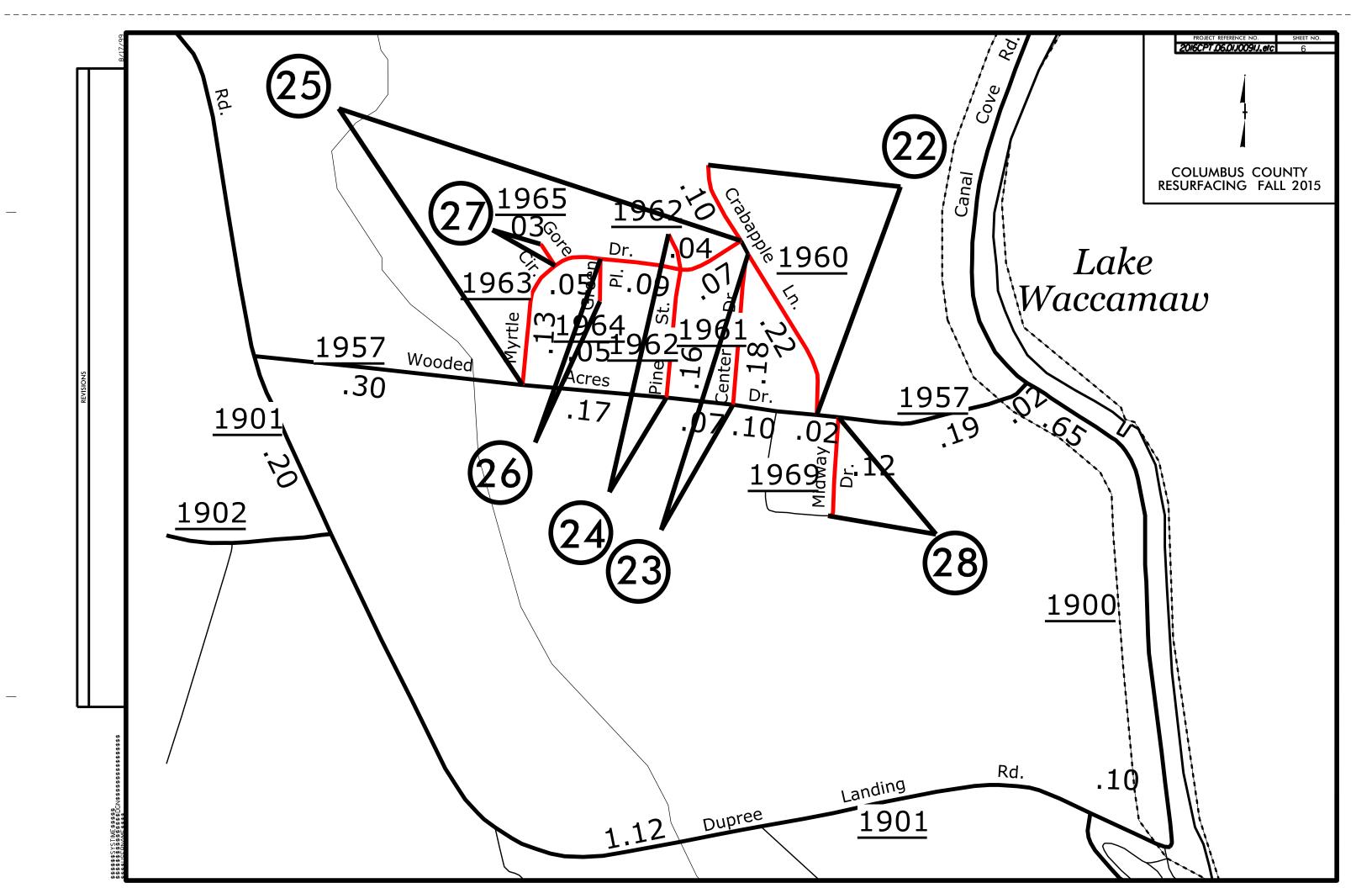


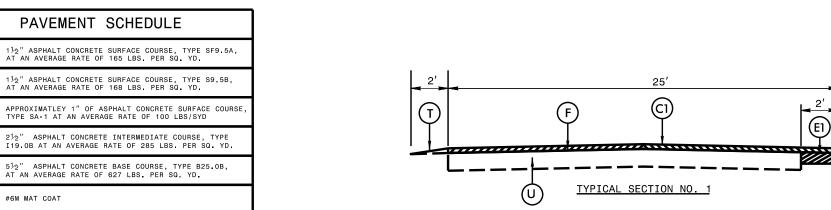




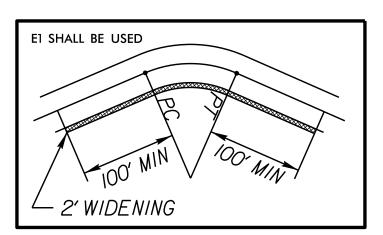






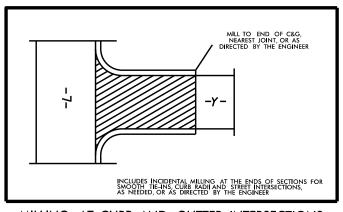


\* INCLUDES INSIDE CURVE WIDENING. SEE DETAIL.



2016CPT.06.01J0091J.etc

INSIDE CURVE WIDENING ALL MAPS



AGGREGATE SHOULDER BORROW (SHOULDER RECONSTRUCTION AS DIRECTED BY THE ENGINEER)

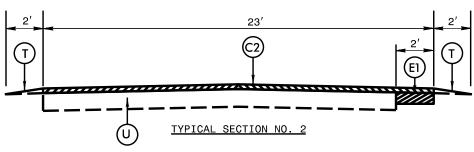
EXISTING ASPHALT

1½″ MILLING

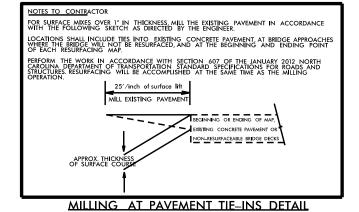
2½" MILLING

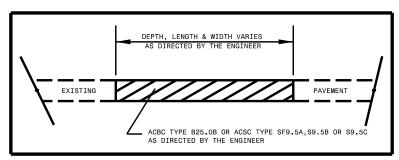
٧2

MILLING AT CURB AND GUTTER INTERSECTIONS

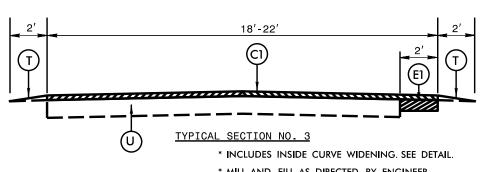


- \* INCLUDES INSIDE CURVE WIDENING. SEE DETAIL.
- \* MILL AND FILL AS DIRECTED BY ENGINEER

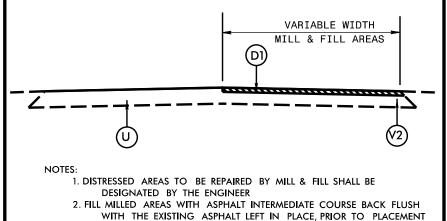




PATCHING EXISTING PAVEMENT



\* MILL AND FILL AS DIRECTED BY ENGINEER

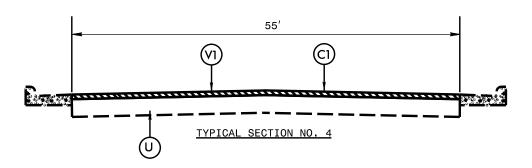


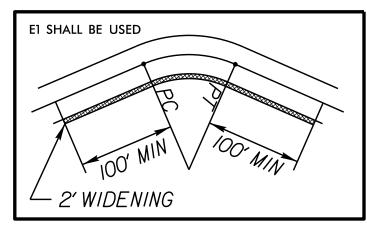
MILL AND FILL PAVEMENT REPAIR

OF PROPOSED ASPHALT SURFACE COURSE.

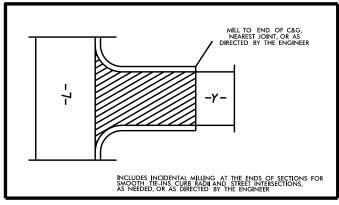
PROJECT REFERENCE NO.	SHEET NO.
2016CPT.06.01J0091J.etc	8

	PAVEMENT SCHEDULE
C1	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
СЗ	APPROXIMATLEY 1" OF ASPHALT CONCRETE SURFACE COURSE, TYPE SA-1 AT AN AVERAGE RATE OF 100 LBS/SYD
D1	2½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	5½" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
F	#6M MAT COAT
Т	AGGREGATE SHOULDER BORROW (SHOULDER RECONSTRUCTION AS DIRECTED BY THE ENGINEER)
U	EXISTING ASPHALT
V1	1½" MILLING
V2	2½" MILLING

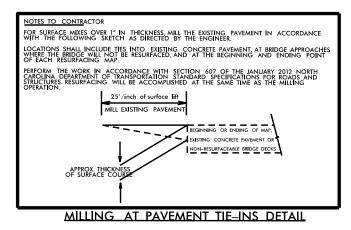




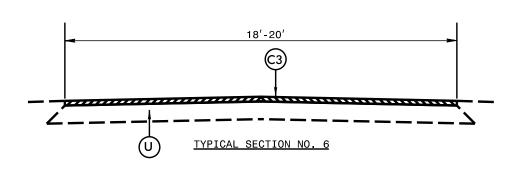
**INSIDE CURVE WIDENING** ALL MAPS

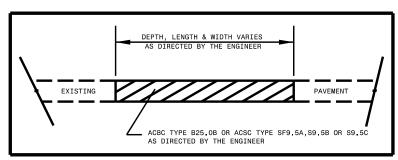


18'-22' (C1)(T)TYPICAL SECTION NO. 5 (U) \* MILL AND FILL AS DIRECTED BY ENGINEER

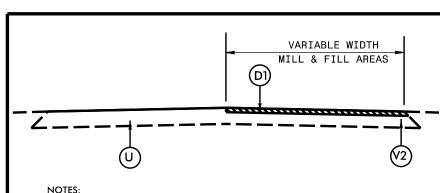


MILLING AT CURB AND GUTTER INTERSECTIONS



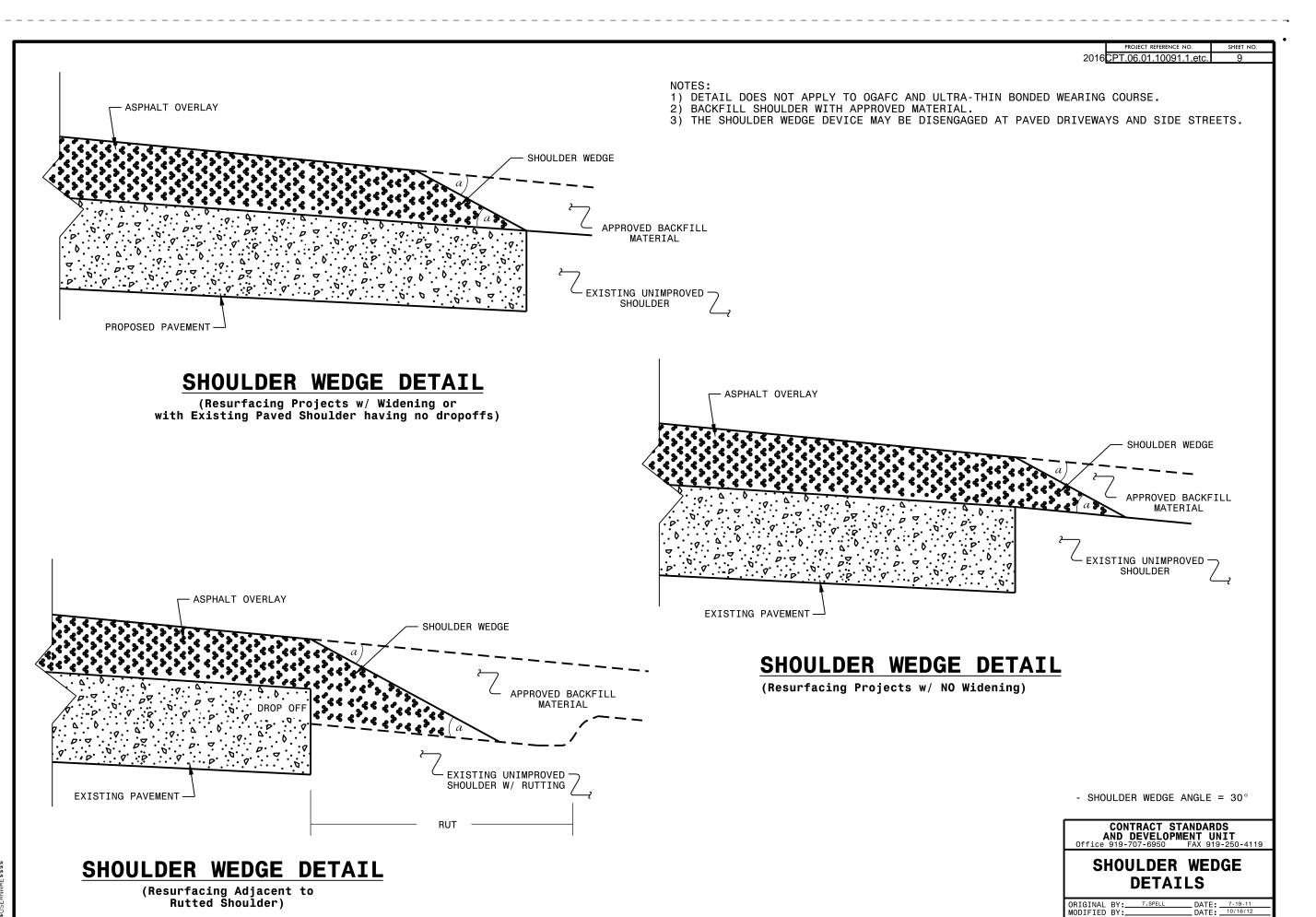


PATCHING EXISTING PAVEMENT



- 1. DISTRESSED AREAS TO BE REPAIRED BY MILL & FILL SHALL BE DESIGNATED BY THE ENGINEER
- 2. FILL MILLED AREAS WITH ASPHALT INTERMEDIATE COURSE BACK FLUSH WITH THE EXISTING ASPHALT LEFT IN PLACE, PRIOR TO PLACEMENT OF PROPOSED ASPHALT SURFACE COURSE.

MILL AND FILL PAVEMENT REPAIR



STATE OF
NORTH CAROLINA
T. OF TRANSPORTATION
VISION OF HIGHWAYS
RALEIGH, N.C.

DEPT. DIV]

Y THERMOPLASTIC STRIPS DRAWING FOR ENGLISH STANDARD TWO-WAY RUMBLE -LANE

RUMBLE STRIPS SPACED 2' ON CENTER RUMBLE STRIPS SPACED 5' ON CENTER 175' 50' NOTE 3 22' 50' 175′ 22' NOTE 3 RUMBLE STRIPS SPACED 5' RUMBLE STRIPS SPACED 2' ON CENTER ON CENTER

DRAWING

#### **GENERAL NOTES:**

ALL RUMBLE STRIPS SHALL BE CENTERED IN THE LANE AND SHALL BE 2 FEET LESS THAN THE WIDTH OF THE TRAVEL LANE

(IF SIGNALIZED)

- RUMBLE STRIPS SHALL BE PLACED USING 4" x 240 MIL WHITE THERMOPLASTIC PAVEMENT MARKING MATERIAL. 2.
- PLACEMENT OF STOP-AHEAD (W3-1) OR SIGNAL-AHEAD (W3-3) SIGNS SHALL COMPLY WITH THE 2009 MUTCD SECTION 5C.04.

SHEET 1 OF 1

STATE OF UT-13
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

TWO-

LANE,

TWO-WAY

**THERMOPLAS** 

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RUMBL

m

TRIPS

ENGLISH

STANDARD

FOR

SHEET 1 OF 1

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PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.06.01.10091.1,	11	
etc.	11	

# SUMMARY OF QUANTITIES

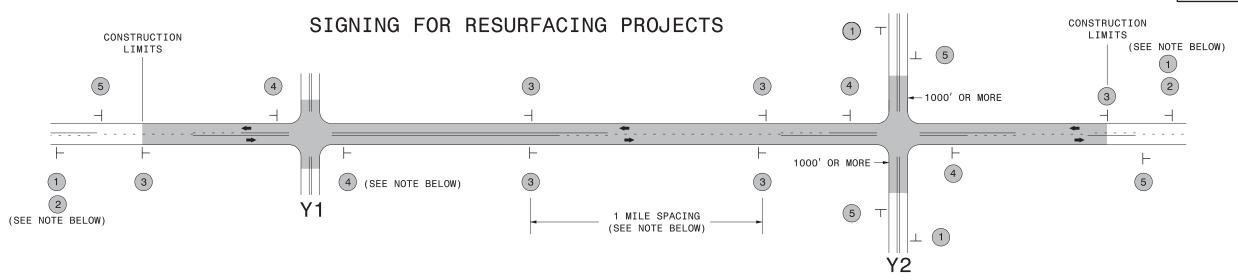
T					-					/ \ . \ .	_		1	_		1	1			1		1			
PROJECT COL	JNTY M	IAP ROU	E DESCRIPTION	TYP LANES				LENGTH	WIDTH	AGGREGATE			1½"	INCIDENTAL		INTER-	SURFACE		SURFACE			ASPHALT	PATCHING	ASPHALT	EMULSION
					TYPE	SURFACE	ASPHALT			SHOULDER	RECON-	MILLING	MILLING	MILLING	COURSE,	MEDIATE	COURSE,	COURSE,	COURSE,	COURSE,	CONC	BINDER FOR	EXISTING	SURFACE	FOR
						TESTING	REQUIRED			BORROW	STRUCTION				B25.0B	COURSE,	S9.5B	S9.5B	SF9.5A	SF9.5A	SURFACE	PLANT MIX	PAVEMENT	TREATMENT,	ASPHALT
						REQUIRED										119.0B					COURSE,			MATCOAT,	SURFACE
																					TYPE SA-1			#6M STONE	TREATMENT
NO		О		NO				МІ	FT	TON	SMI	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	TONS	TON	TONS	TONS	SY	GAL
			FROM NEW CJ 2.67 MILES N. OF SR	i i																					
2016CPT.06.01.10091.1 Bla	aden	1 NC 5	3 1534 TO SR 1560	1 2	2WU	NO	NO	6.67	25	2,224	13.30			178	1,361				8,478			628	86	97,827	42,066
TOTAL FOR PROJ NO. 201	L6CPT.06.	01.10091.1						6.67		2,224	13.30			178	1,361				8,478			628	86	97,827	42,066
																					•				
2016CPT.06.01.10241.1 Colu	ımbus	2 NC 1	1 FROM BLADEN CL TO NC 87	2 2	2WU	NO	NO	1.39	23	464	2.80	281		89	129	40	1,635	16				107	14		
TOTAL FOR PROJ NO. 201	L6CPT.06.	01.10241.1						1.39		464	2.80	281		89	129	40	1,635	16				107	14		
		3 SR 17		3 2	2WU		NO	3.08	22	1,027	6.20	596		89	283	85			3,379	33		245	31		
		4 SR 175	- A FROM NC 214 TO SR 1900	4 2	2WU	NO	NO	0.35	55				11,293	89					956			64	4		
		5 SR 175	- B FROM SR 1900 TO SR 1942	5 2	2WU	NO	NO	1.89	18	630	3.80			356					1,746	206		129	19		
		6 SR 18	L6 FROM NC 87 TO END PVT.	3 2	2WU	NO	NO	0.88	18	294	1.80				81				788	19		58	9		
		7 SR 18	FROM SR 1846 TO US 76	3 2	2WU	NO	NO	1.16	18	387	2.30			89	107				1,063	25		77	12		
		8 SR 18	FROM SR 1845 TO SR 1740	3 2	2WU	NO	NO	1.76	18	587	3.50			89	162				1,601	38		117	18		
		9 SR 18	54 FROM SR 1817 TO SR 1856	6 2	2WU	NO	NO	0.11	20					44							72	5	1		
	1	10 SR 18	FROM NC 87 TO SR 1854	6 2	2WU	NO	NO	0.47	18					44							256	17	5		
	_ :	11 SR 18	FROM SR 1854 TO END PVT.	6 2	2WU	NO	NO	0.25	18					44							140	9	3		
	1	12 SR 18	57 FROM SR 1855 TO SR 1856	6 2	2WU	NO	NO	0.09	18					44							55	4	1		
	1	13 SR 18	58 FROM SR 1859 TO NC 87	6 2	2WU	NO	NO	0.28	18					44							155	10	3		
	_ :	14 SR 18	FROM NC 87 TO SR 1860	6 2	2WU	NO	NO	0.28	18					44							155	10	3		
2016CPT.06.01.20241.1 Colu	ımhus	15 SR 18	FROM SR 1858 TO SR 1861	6 2	2WU	NO	NO	0.42	18					44							229	15	4		
2010011.00.01.20241.1	111111111111111111111111111111111111111	16 SR 18	FROM SR 1862 TO SR 1863	6 2	2WU	NO	NO	0.51	18					44							277	18	5		
	:	17 SR 18	52 FROM SR 1861 TO SR 1863	6 2	2WU	NO	NO	0.19	18					44							108	7	2		
	:	18 SR 18		6 2	2WU	NO	NO	0.56	18					44							303	20	6		
		19 SR 18	73 FROM SR 1863 TO SR 1863	6 2	2WU	NO	NO	0.28	18					44							155	10	3		
	1	20 SR 18		5 2	2WU	NO	NO	0.32	22	106	0.60	1,033		89		147			365	26		33	3		
	1	21 SR 18	ROM SR 1740 TO SR 1879	5 2	2WU	NO	NO	0.07	18	24	0.10	111		89		16			86	6		7	1		
	1	22 SR 19	FROM SR 1957 TO DEAD END	6 2	2WU	NO	NO	0.33	20					44							201	13	3		
	<u> </u>	23 SR 19		6 2	2WU	NO	NO	0.18	20					44							113	7	2		<u> </u>
		24 SR 19	`	6 2	2WU	NO	NO	0.19	20					44							119	8	2		<u> </u>
	<u> </u>	25 SR 19	FROM SR 1957 TO SR 1960	6 2	2WU		NO	0.38	20					44							230	15	4		<u> </u>
		26 SR 19		6 2	2WU	NO	NO	0.05	20					44							37	2	1		<u> </u>
		27 SR 19		6 2	2WU		NO	0.03	20					44							25	2			
	- 2	28 SR 19	FROM SR 1957 TO DEAD END	6 2	2WU	NO	NO	0.12	20					44							78	5	1		
TOTAL FOR PROJ NO. 201	L6CPT.06.	01.20241.1						14.23		3,055	18.30	1,740	11,293	1,682	633	248			9,984	353	2,708	907	146		<u> </u>
						1	1				1	1		1		1	1	1	1	1	1	T	1	1	
GRAND TO	OTAL							22.29		5,743	34.40	2,021	11,293	1,949	2,123	288	1,635	16	18,462	353	2,708	1,642	246	97,827	42,066

PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.06.01.10091.1, etc.	12	

# THERMOPLASTIC AND PAINT QUANTITIES

										4457000000-N	4413000000-E	4685000000-E	4686000000-E	4697000000-E	4705000000-E	4710000000-E	47210	00000-E	48100	00000-E	4891000000-E	490000000-N
PROJECT	COUNTY	МАР	ROUTE	DESCRIPTION	TYP	LANES	TYPE	LENGTH	WIDTH	TEMPORARY TRAFFIC CONTROL	WORK ZONE ADVANCE/ GENERAL WARNING SIGNING	4" X 90 M WHITE THERMO	4" X 120 M YELLOW THERMO	8" X 120 M WHITE THERMO	16" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO RXR 120 M	THERMO MSG SCHOOL 120 M	4" WHITE PAINT	4" YELLOW PAINT	THERMO RUMBLE STRIP (4" X 240 M)	YELLOW & YELLOW MARKERS
NO		NO			NO					LS	SF	LF	LF	LF	LF	LF	EA	EA	LF	LF	LF	EA
204 CCPT OC 04 40004 4	Dia da a		NC 52	FROM NEW CJ 2.67 MILES N. OF SR		_	2) 4// 1	6.67	25		747	00.000	60,000									500
2016CPT.06.01.10091.1	Bladen	1	NC 53	1534 TO SR 1560	1		2WU	6.67 <b>6.67</b>	25	1	747 <b>747</b>	80,000 <b>80,000</b>	68,000 <b>68,000</b>									500 <b>500</b>
TOTAL FOR PROJ NO	). 2016CPT.(	06.01.10	0091.1					0.07		_	7.0	00,000	55,000									
2016CPT.06.01.10241.1	Columbus	2	NC 11	FROM BLADEN CL TO NC 87	2	2	2WU	1.39	23		156	14,000	11,900								460	100
TOTAL FOR PROJ NO								1.39			156	14,000	11,900								460	100
TOTAL FOR PROJ NO	). 2016CP1.	06.01.10	J241.1																	•		
		3	SR 1740	FROM NC 11 TO NC 87	3	2	2WU	3.08	22		345			80	100	160	4	12	64,800	55,080		225
		4	SR 1757 - A	FROM NC 214 TO SR 1900	4	2	2WU	0.35	55		39		4,000						,	, , , , , ,		35
		5	SR 1757 - B	FROM SR 1900 TO SR 1942	5	2	2WU	1.89	18		212	21,000	21,000									
		6	SR 1816	FROM NC 87 TO END PVT.	3	2	2WU	0.88	18		99											
		7	SR 1845	FROM SR 1846 TO US 76	3	2	2WU	1.16	18		130								22,000	18,700		
		8	SR 1846	FROM SR 1845 TO SR 1740	3	2	2WU	1.76	18		197				100	110	4		38,000	32,300		
		9	SR 1854	FROM SR 1817 TO SR 1856	6	2	2WU	0.11	20		12											
		10	SR 1855	FROM NC 87 TO SR 1854	6	2	2WU	0.47	18		53											<u> </u>
		11	SR 1856	FROM SR 1854 TO END PVT.	6	2	2WU		18		28											<b></b>
		12	SR 1857	FROM SR 1855 TO SR 1856	6	2	2WU	0.09	18		10											<u> </u>
		13	SR 1858	FROM SR 1859 TO NC 87	6	2	2WU	0.28	18		31											
		14 15	SR 1859 SR 1860	FROM NC 87 TO SR 1860 FROM SR 1858 TO SR 1861	6	2	2WU 2WU	0.28 0.42	18 18		31 47											<del> </del>
2016CPT.06.01.20241.1	Columbus	16	SR 1861	FROM SR 1862 TO SR 1863	6	2	2WU	0.42	18		57											
		17	SR 1862	FROM SR 1861 TO SR 1863	6	2	2WU	0.19	18		21											
		18	SR 1863	FROM SR 1861 TO NC 87	6	2	2WU	0.56	18		63											<del>                                     </del>
		19	SR 1873	FROM SR 1863 TO SR 1863	6		2WU	0.28	18		31											
		20	SR 1879	FROM SR 1740 TO END SECTION	5		2WU	0.32	22		36				50	55	2		8,000	8,000		
		21	SR 1880	FROM SR 1740 TO SR 1879	5	2	2WU	0.07	18		8					-			1,400	1,400		
		22	SR 1960	FROM SR 1957 TO DEAD END	6	2	2WU	0.33	20		37								•	·		
		23	SR 1961	FROM SR 1957 TO SR 1960	6	2	2WU	0.18	20		20											
		24	SR 1962	FROM SR 1957 TO DEAD END	6	2	2WU	0.19	20		21						_					
		25	SR 1963	FROM SR 1957 TO SR 1960	6	2	2WU	0.38	20		43											
		26	SR 1964	FROM SR 1963 TO DEAD END	6	2	2WU	0.05	20		6											
		27	SR 1965	FROM SR 1963 TO DEAD END	6	2	2WU	0.03	20		3											<u> </u>
		28	SR 1969	FROM SR 1957 TO DEAD END	6	2	2WU	0.12	20		13											<b></b>
TOTAL FOR PROJ NO	. 2016CPT.	06.01.20	0241.1					14.23			1,593	21,000	25,000	80	250	325	10	12 22	134,200	115,480 9,680		260
<u> </u>							<u> </u>	<u> </u>		<u> </u>		1	<u> </u>		<u> </u>	<u> </u>	<u>-</u>		273	.,		<u> </u>
GRAN	ND TOTAL							22.29		1	2,496	115,000	104,900	80	250	325	10	12	134,200	115,480	460	860
														1			1	22	249	9,680		

PROJ. REFERENCE NO. SHEET NO. 2016CPT.06.01.10091.1,etc TMP-1



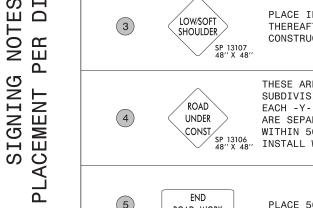
**LEGEND** - STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

# MAINLINE (-L-) SIGNING

# PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ROAD ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. WORK NOTES AND PER DIRECTION AHEAD / W20-1

#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)



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.



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 SP 13106
48" X 48" INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.



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

-Y- LINE SIGNING

- 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.



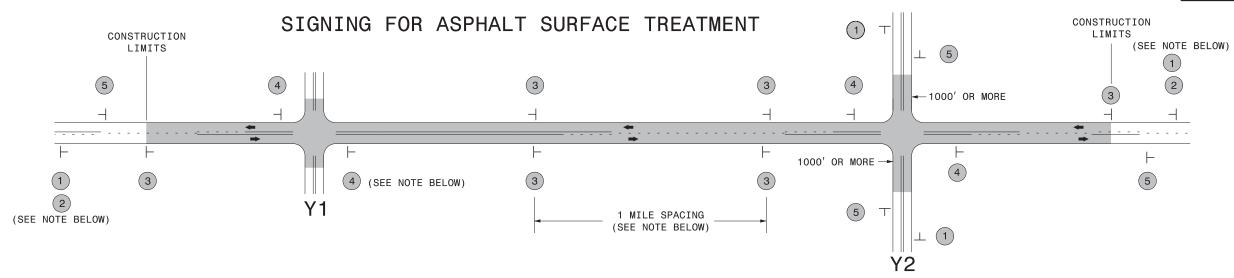


PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.



RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2 LANE ROADWAYS

PROJ. REFERENCE NO. SHEET NO. 2016CPT.06.01.10091.1,etc. TMP-2

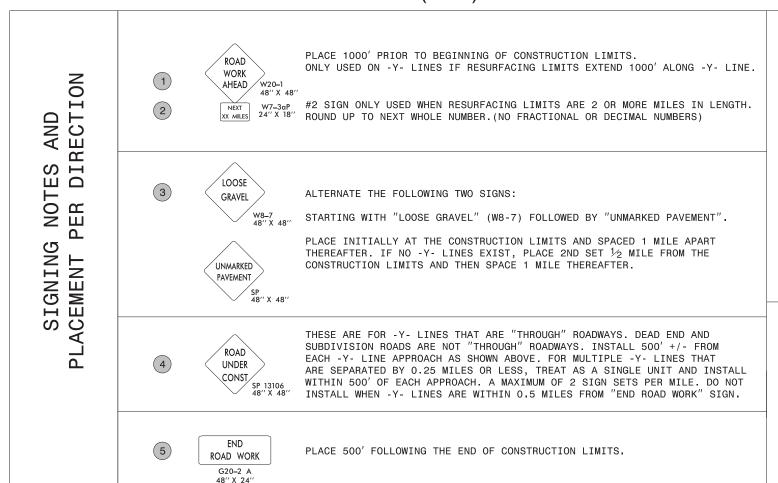


LEGEND - STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

### MAINLINE (-L-) SIGNING

# -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, 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.



ADVANCE WARNING SIGNS FOR ASPHALT SURFACE TREATMENTS 2 LANE ROADWAYS

C/Apps/WorkZoneGeneral/ExternalWebPage/DesRes/Documents/Resurtacing/Resurtacing/AdvWarn\_ZLn - / rett

12/22/2014 S. TMI N W7TC \ ABB S \ W. Y.