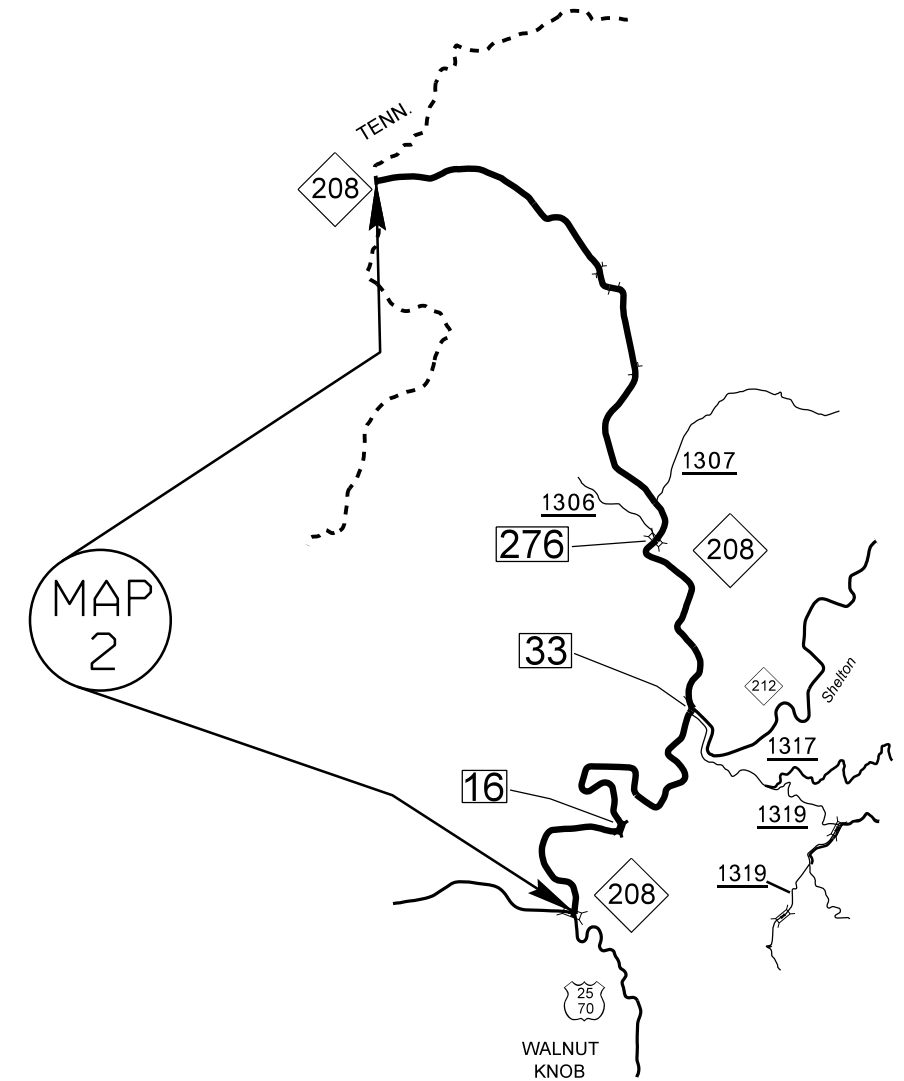
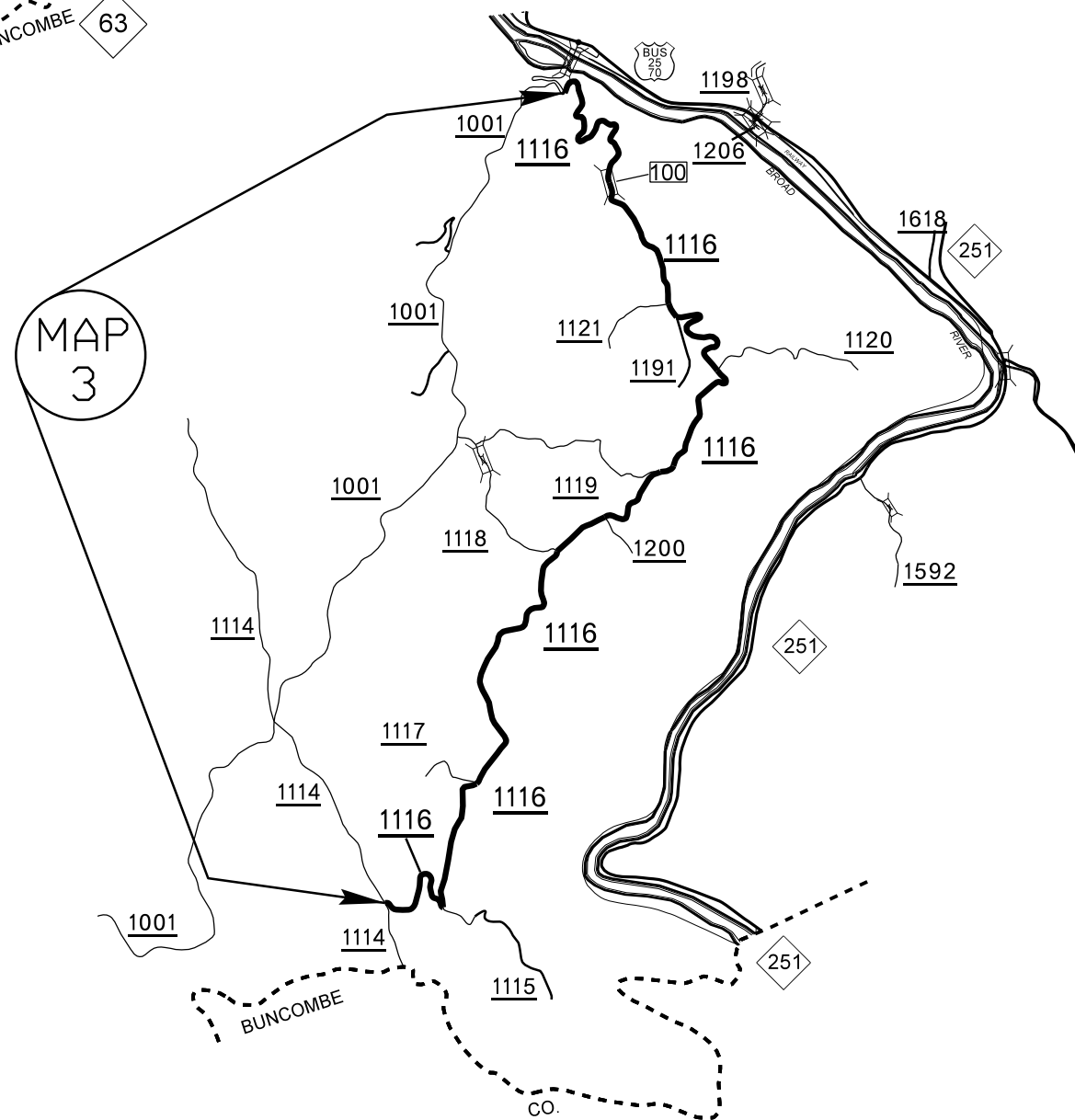
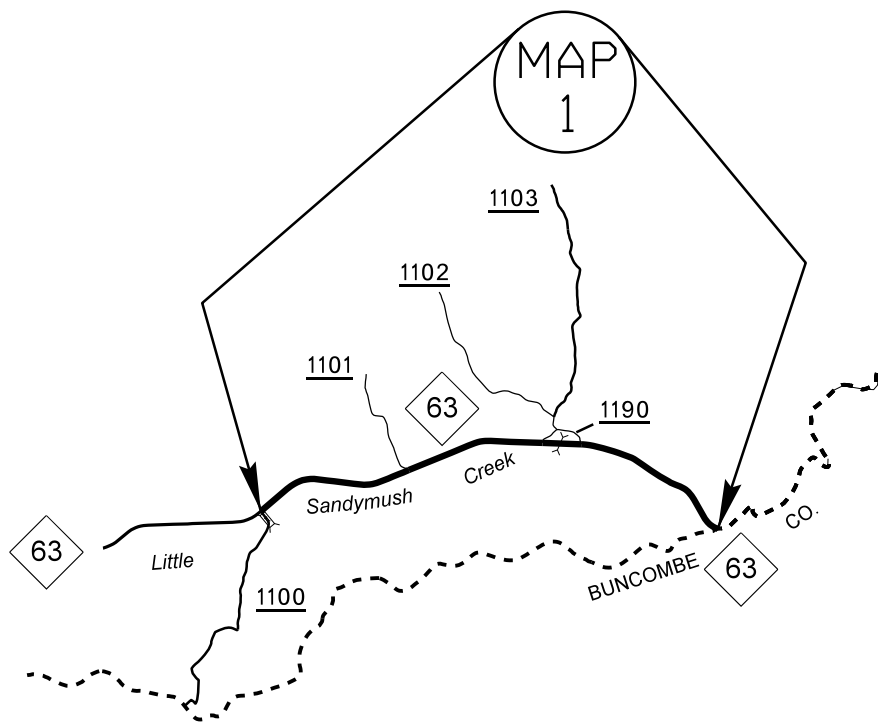


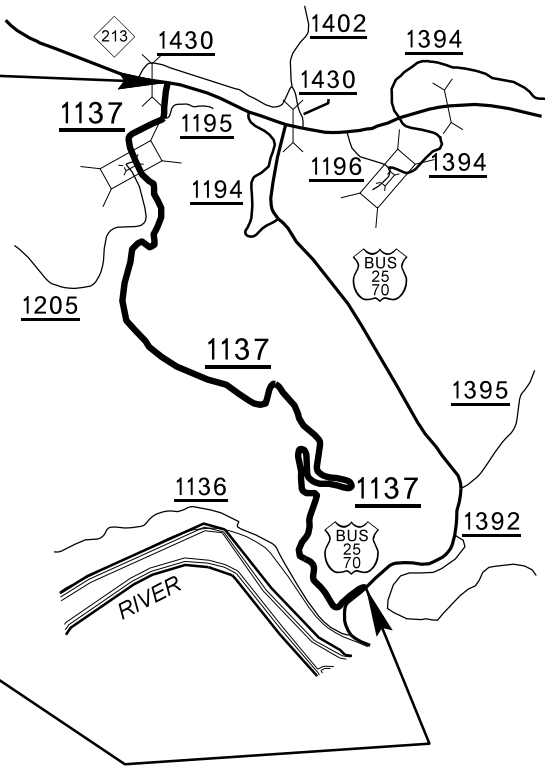
PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.13.03.10572, 2018CPT.13.03.20572, 2018CPT.13.07.21002	1	11



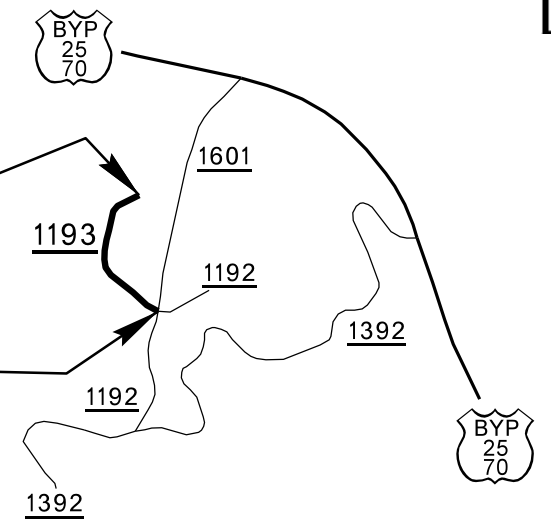
MADISON COUNTY

PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.13.03.10572, 2018CPT.13.03.20572, 2018CPT.13.07.21002	2	11

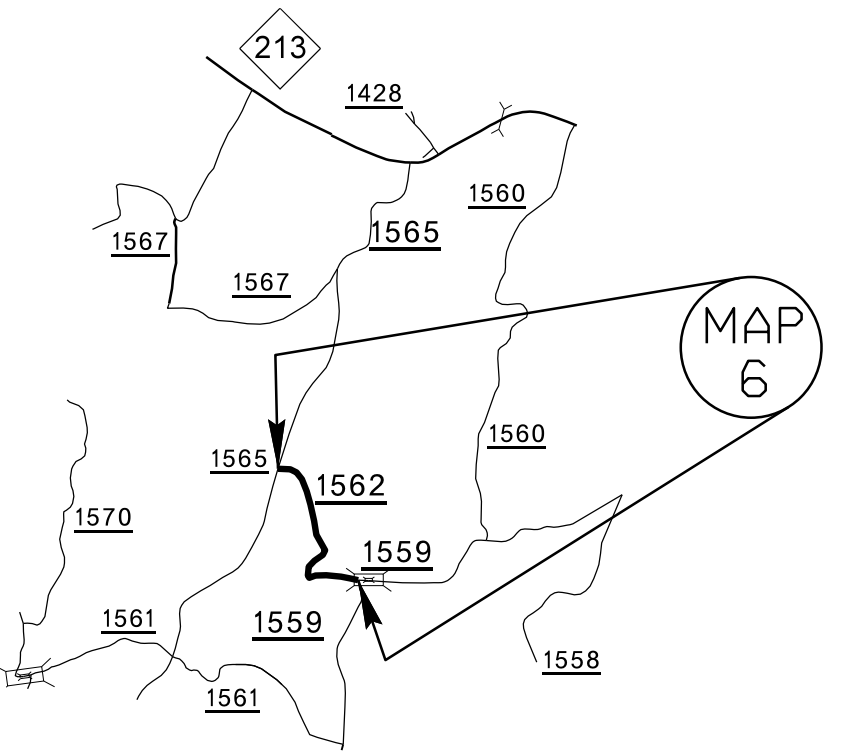
MAP 4



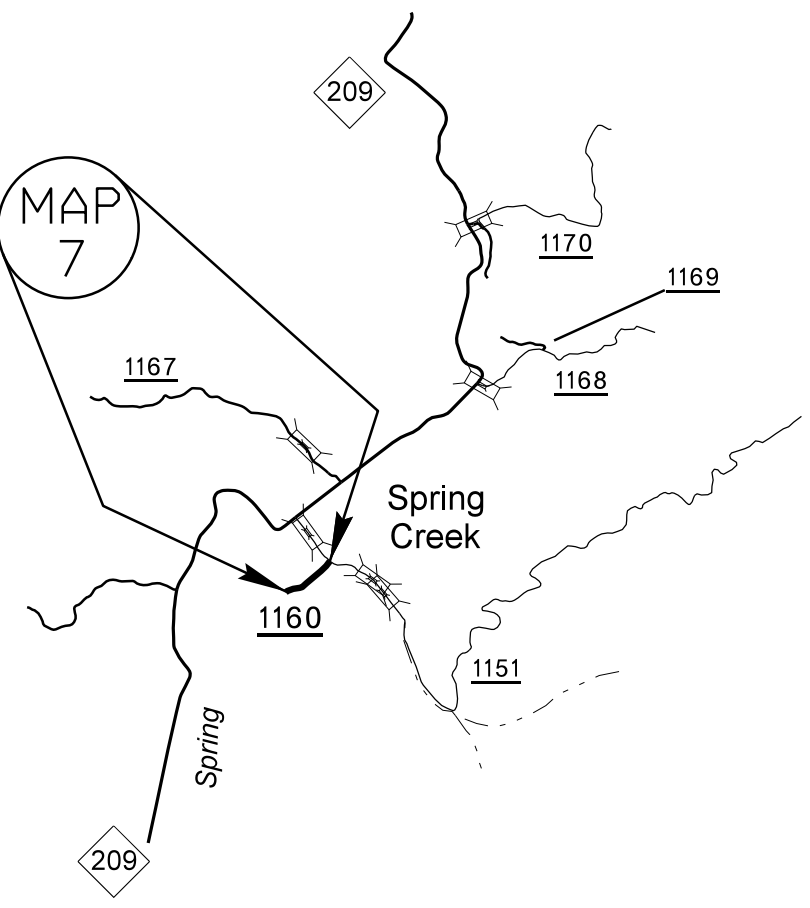
MAP 5



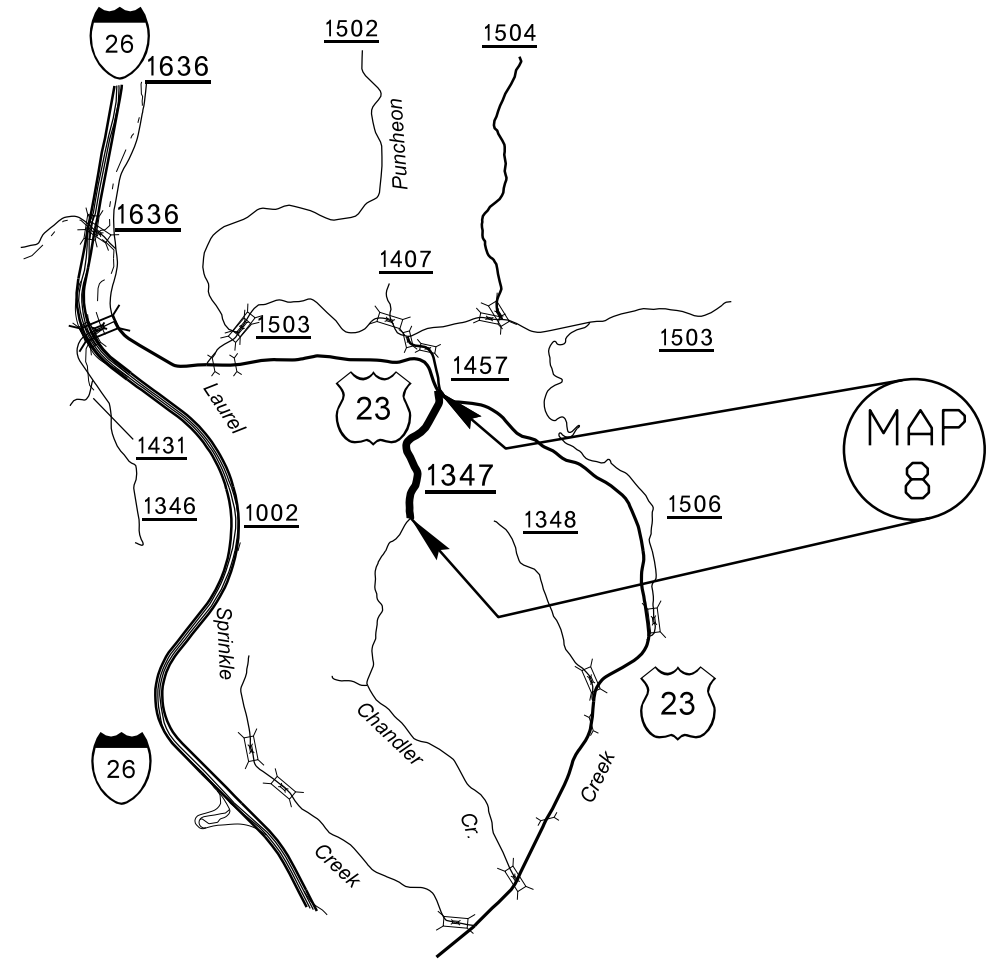
MAP 6



MAP 7

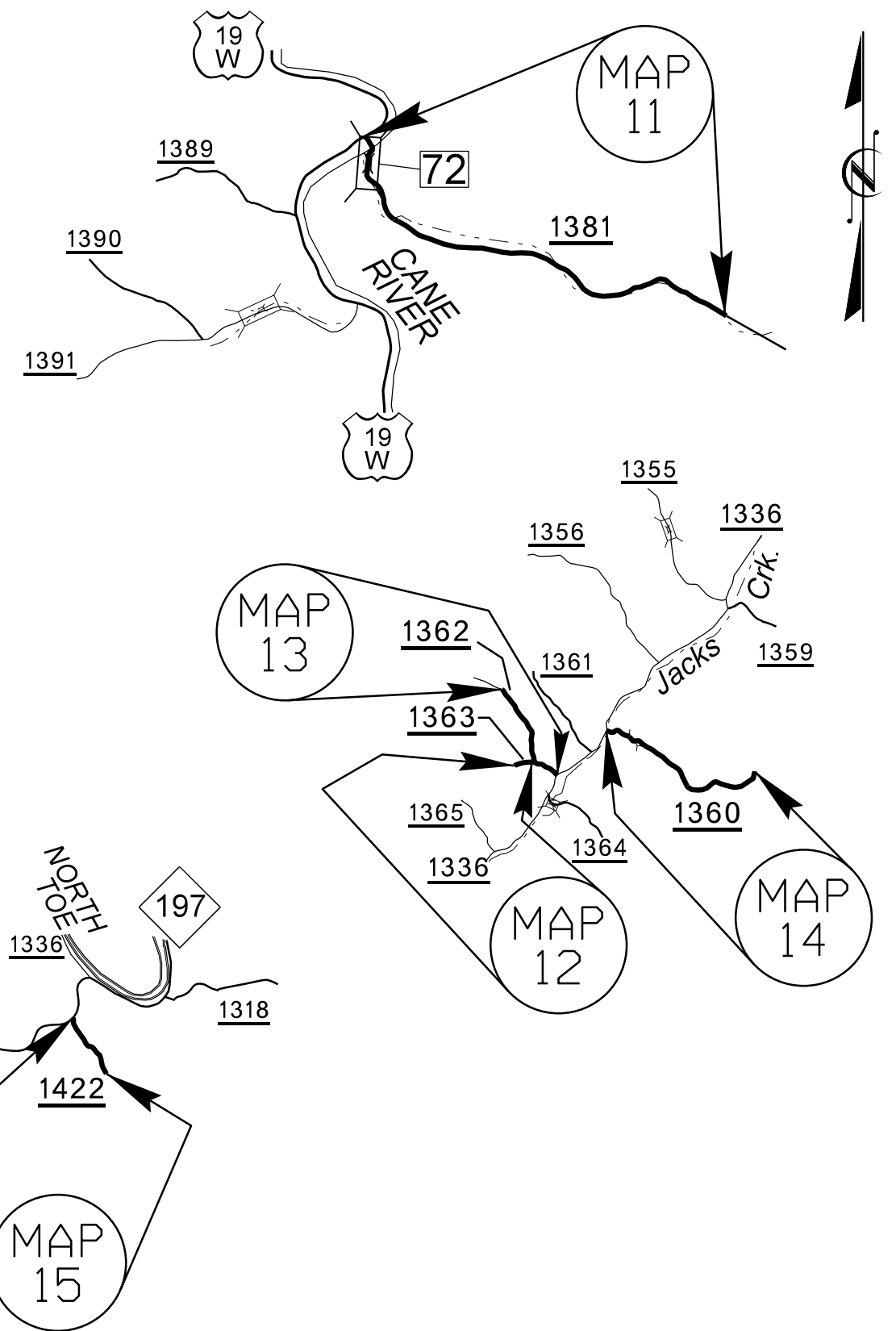
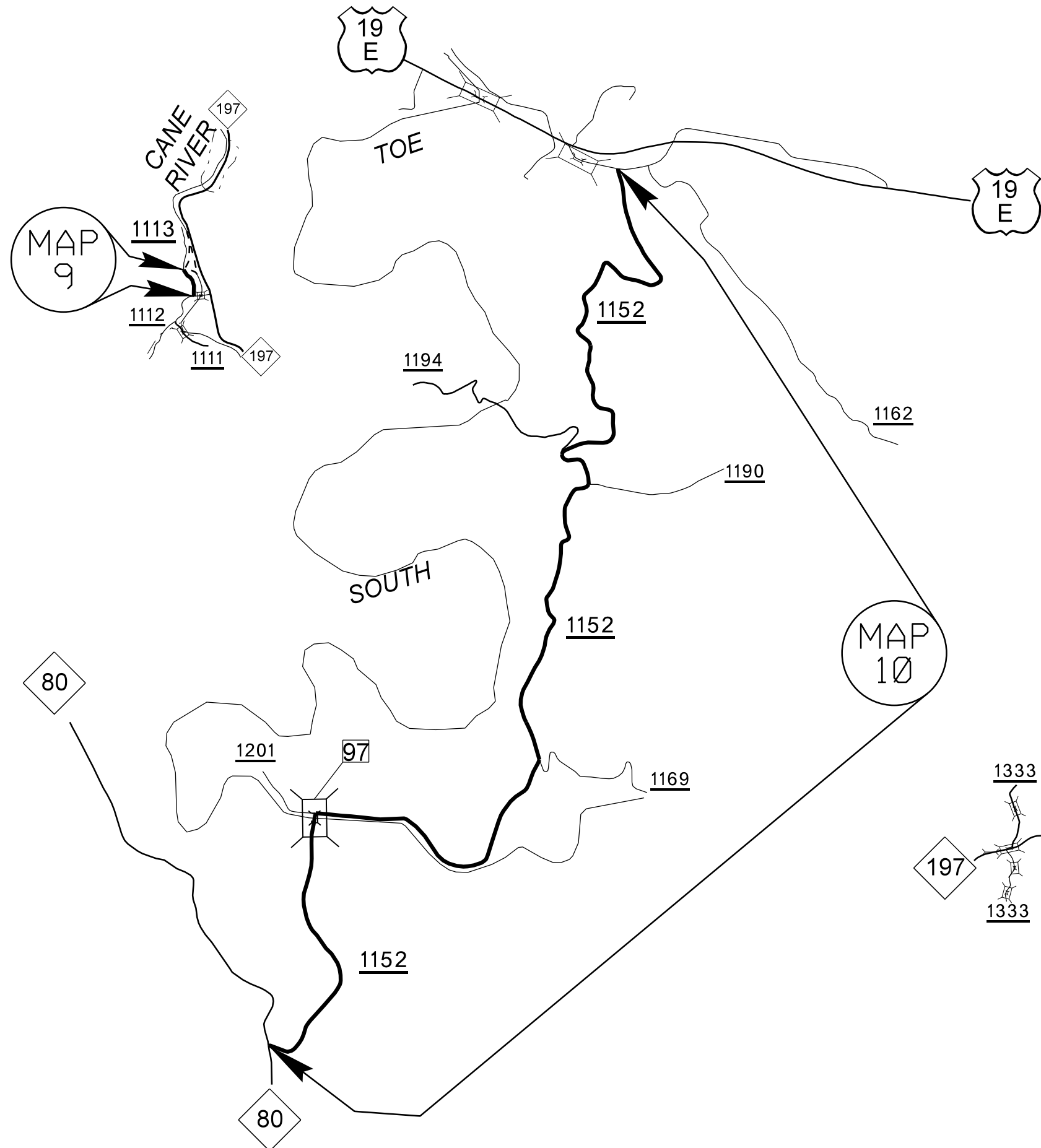


MAP 8



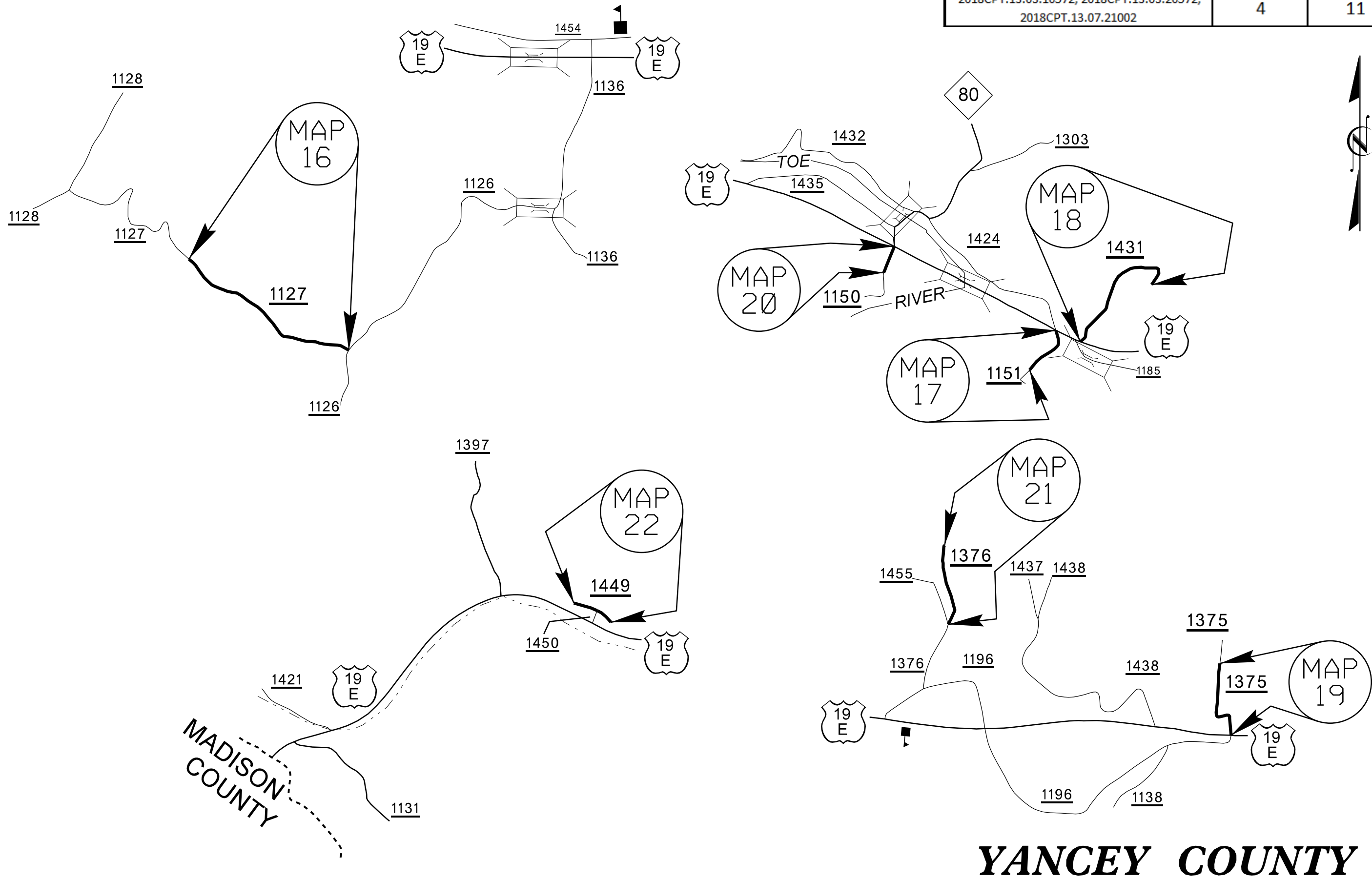
MADISON COUNTY

PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.13.03.10572, 2018CPT.13.03.20572, 2018CPT.13.07.21002	3	11



YANCEY COUNTY

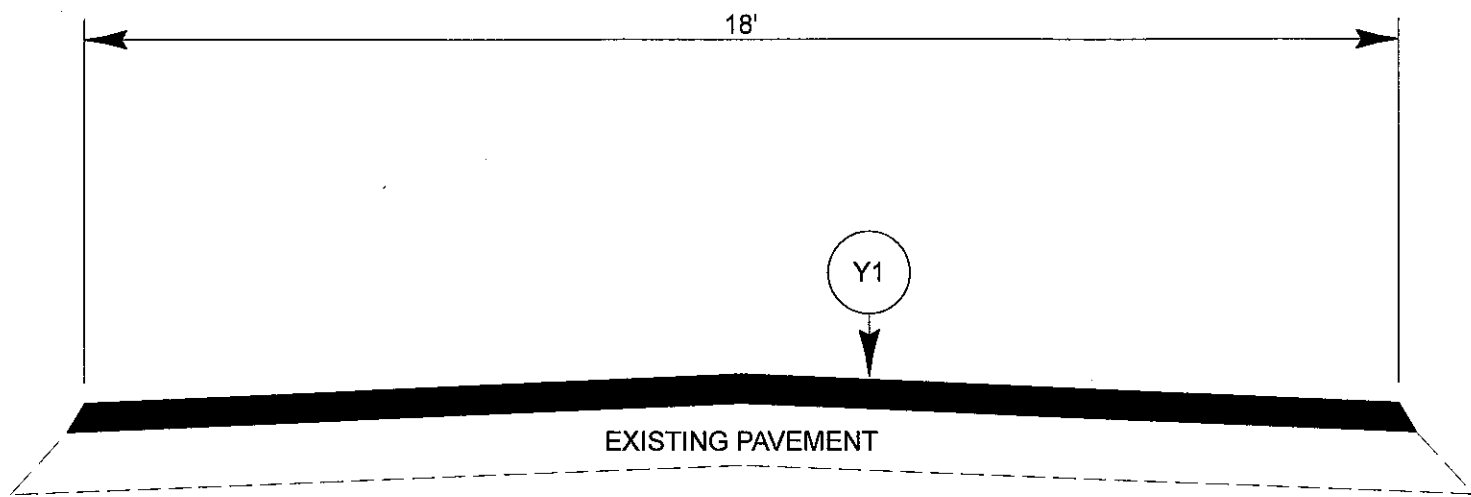
PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.13.03.10572, 2018CPT.13.03.20572, 2018CPT.13.07.21002	4	11



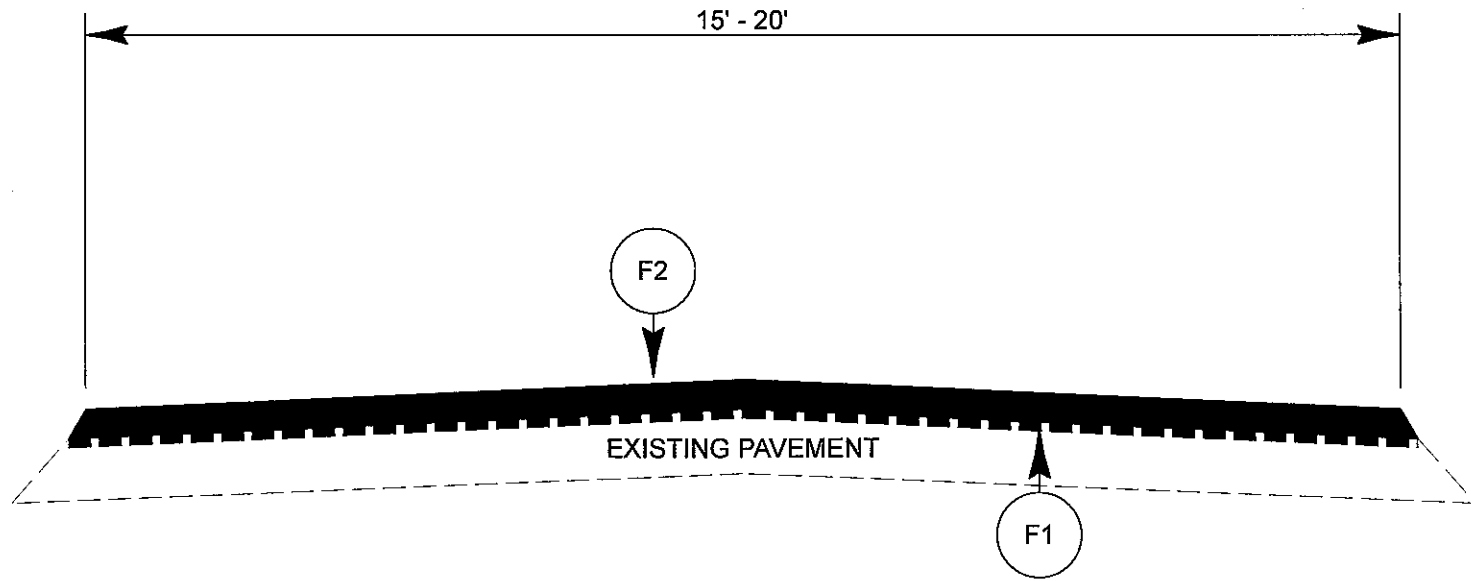
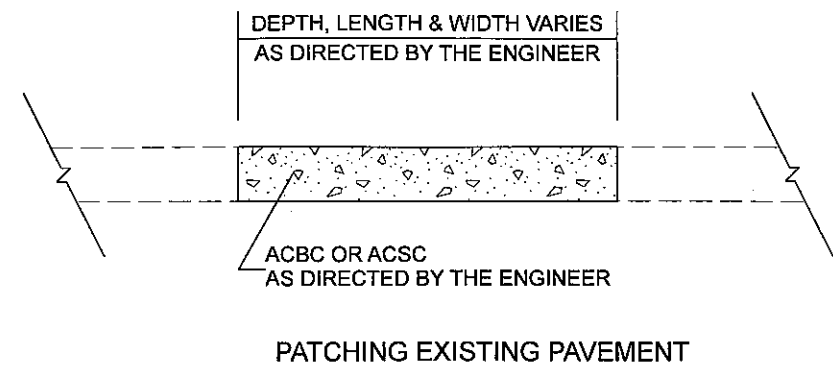
MADISON
COUNTY

YANCEY COUNTY

PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.13.03.10572, 2018CPT.13.03.20572, 2018CPT.13.07.21002	5	11



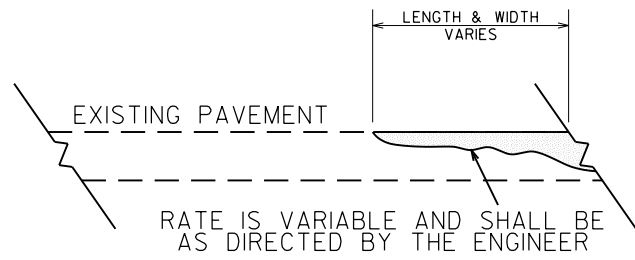
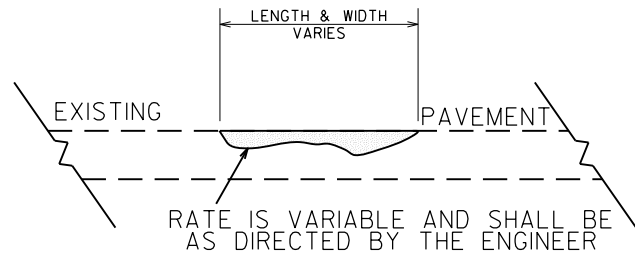
TYPICAL SECTION NO. 1



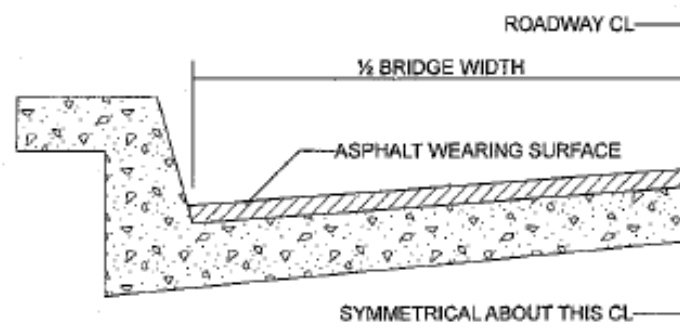
TYPICAL SECTION NO. 2

PAVEMENT SCHEDULE	
F1	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
F2	ASPHALT SURFACE TREATMENT, FOG SEAL
Y1	LATEX MODIFIED MICRO-SURFACING, TYPE III

PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.13.03.10572, 2018CPT.13.03.20572, 2018CPT.13.07.21002	6	11



**DETAIL SHOWING
METHOD OF WEDGING**



BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. THE MINIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1/2", SF9.5A 1.0", S9.5X 1.5", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 1/2", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 3/4". THE MAXIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1.0", SF9.5A 1.5", S9.5X 2.0", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 1/2", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 3/4".

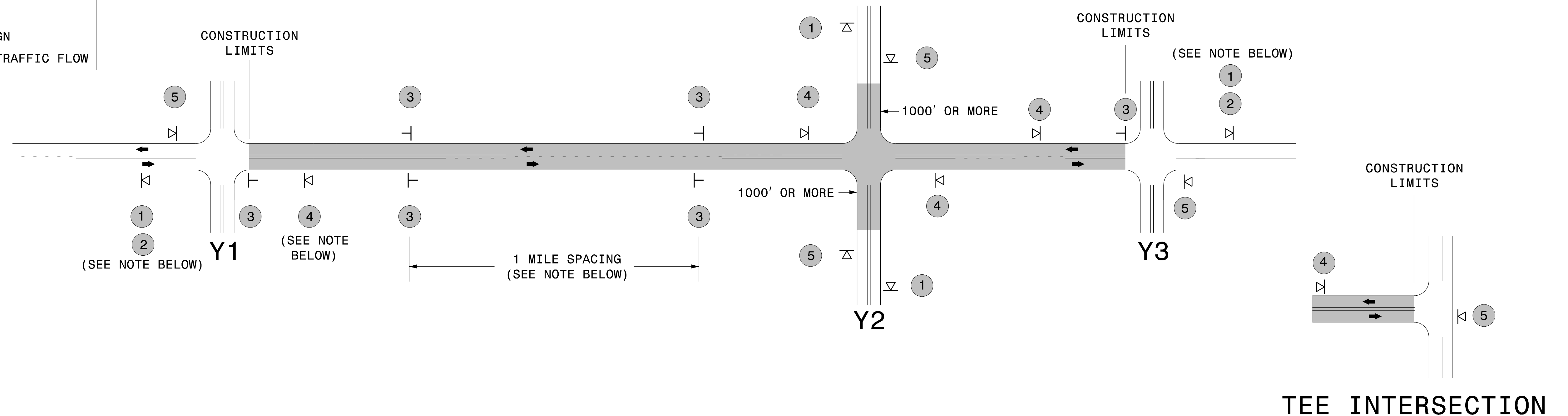
NOTES

ALL UNPAVED 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 RADI, OR AS DIRECTED BY THE ENGINEER.
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
 SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE INDICATED.
 BRIDGES ARE TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

SIGNING FOR ASPHALT SURFACE TREATMENT

LEGEND

- ◻ PORTABLE SIGN
- └ STATIONARY SIGN
- ← DIRECTION OF TRAFFIC FLOW



SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 	<ul style="list-style-type: none"> - PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. - SIGN #2 ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO THE NEAREST WHOLE NUMBER. DO NOT USE FRACTIONAL OR DECIMAL NUMBERS. 	<p>STATIONARY SIGNING NOT REQUIRED FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <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; align-items: center;"> <div style="text-align: center;"> <small>W20-1 48" X 48"</small> PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> <small>W20-7 A 48" X 48"</small> PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	3	 	<ul style="list-style-type: none"> - ALTERNATE THE FOLLOWING TWO SIGNS: - STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT". - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER. 	
	4		<ul style="list-style-type: none"> - 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		<ul style="list-style-type: none"> PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION. 	
	<p>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.</p>			

MAPS LESS THAN 2 MILES

FOR AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY "LOOSE GRAVEL" SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN "UNMARKED PAVEMENT" SIGN MIDWAY THROUGH AND AN "END ROAD WORK" SIGN AT THE END CONSTRUCTION LIMIT.



**ADVANCE WARNING SIGNS
FOR
2-LANE ROADWAY
ASPHALT SURFACE TREATMENT**

SIGN NUMBER: SP13106
 TYPE: STATIONARY
 QUANTITY: SEE PLANS

BACKG COLOR: Fluorescent Orange
 COPY COLOR: Black

DESIGN BY: B. RASHID
 PROJECT ID:

CHECKED BY: AIA
 DIV:

DATE: Apr 26, 2013

SYMBOL	X	Y	WID	HT

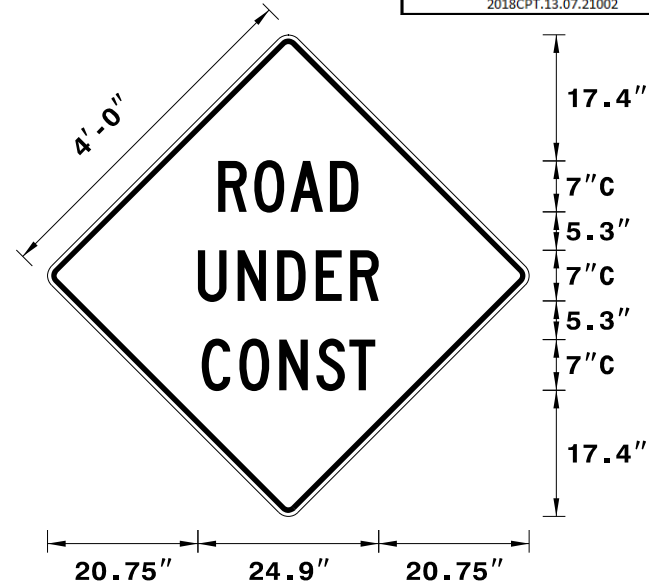
SIGN WIDTH: 4'-0"
 HEIGHT: 4'-0"
 TOTAL AREA: 16.00 Sq.Ft.

BORDER TYPE: INSET
 RECESS: 0.75"
 WIDTH: 1.25"
 RADII: 3"

MAT'L: 0.080" (2.0 mm) ALUMINUM

NO. Z BARS:
 LENGTH:

PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.13.03.10572, 2018CPT.13.03.20572, 2018CPT.13.07.21002	9	11



Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

Letter spacings are to start of next letter																	Series/Size Text Length	
		R	O	A	D													C 2000
	23.5	5	5	5.5	3.9	23.5												19.3
		U	N	D	E	R												C 2000
	20.7	5.5	5.5	5.3	4.8	3.9	20.7											24.9
		C	O	N	S	T												C 2000
	21.2	5.2	5.5	5.1	4.6	3.6	21.2											23.9

PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.13.03.10572, 2018CPT.13.03.20572, 2018CPT.13.07.21002	10	11

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	SEALING EXISTING PAVEMENT CRACKS LB	PATCHING EXISTING PAVEMENT TON	ASPHALT SURFACE TREATMENT, DOUBLE SEAL SY	ASPHALT SURFACE TREATMENT, FOG SEAL SY	EMULSION FOR ASPHALT SURFACE TREATMENT GAL	LATEX MODIFIED MICRO-SURFACING, TYPE III SY	ADJUSTMENT OF MANHOLES EA	VACUUM TRUCK WK
2018CPT.13.03.10572	Madison	1	NC 63	FROM BUNCOMBE COUNTY LINE TO SR 1100 (MP 0.00 - MP 2.62)		2	2WU	NO	NO	2.62	22	5,000.00							
		2	NC 208	US 25/70 TO TN STATE LINE (MP 0.00-MP 9.10)		2	2WU	NO	NO	9.1	20	20,000.00							
TOTAL FOR PROJ NO. 2018CPT.13.03.10572										11.72		25,000.00							
2018CPT.13.03.20572	Madison	3	SR 1116	FROM SR 1114 TO SR 1001 (MP 0.00 - MP 6.08)	1	2	2WU	NO	NO	6.08	18		600				64,205		
		4	SR 1137	FROM US 25/70 TO US 25/70 BUS (MP 0.00 - MP 2.03)	2	2	2WU	NO	NO	2.03	18		150	21,437	21,437	11,795		25	
		5	SR 1193	FROM SR 1601 TO EOP (MP 0.00 - MP 0.16)	2	2	2WU	NO	NO	0.16	18		15	1,690	1,690	931			
		6	SR 1562	FROM SR 1559 TO SR 1565 (MP 0.00 - MP 0.65)	2	2	2WU	NO	NO	0.65	18		150	6,864	6,864	3,776			
		7	SR 1160	FROM SR 1151 TO EOP (MP 0.00 - MP 0.21)	2	2	2WU	NO	NO	0.21	18		25	2,218	2,218	1,220			
		8	SR 1347	FROM US 23A TO EOP (MP 0.00 - MP 0.72)	2	2	2WU	NO	NO	0.72	18		350	7,603	7,603	4,185			
TOTAL FOR PROJ NO. 2018CPT.13.03.20572										9.85		1,290	39,812	39,812	21,907	64,205	25		
2018CPT.13.07.21002	Yancey	9	SR 1113	FROM SR 1112 TO EOP (MP 0.00 - MP 0.07)	2	2	2WU	NO	NO	0.07	17		15	698	698	384			
		10	SR 1152	FORM SR 1185 TO NC 80S (MP 0.00 - MO 4.69)		2	2WU	NO	NO	4.69	19	20,000.00							
		11	SR 1381	FROM US 19W TO EOP (MP 0.00 - MP 1.35)	2	2	2WU	NO	NO	1.35	18		225	14,256	14,256	7,841			
		12	SR 1363	FROM SR 1362 TO EOP (MP 0.00 TO MP 0.11)	2	2	2WU	NO	NO	0.11	17		15	1,098	1,098	604			
		13	SR 1362	FROM SR 1336 TO EOP (MP 0.00 - MP 0.58)	2	2	2WU	NO	NO	0.58	19		25	6,465	6,465	3,556			
		14	SR 1360	FROM SR 1336 TO EOP (MP 0.00 - 0.92)	2	2	2WU	NO	NO	0.92	19		75	10,255	10,255	5,641			
		15	SR 1422	FROM NC 197N TO EOP (MP 0.00 - MP 0.36)	2	2	2WU	NO	NO	0.36	18		20	3,802	3,802	2,091			
		16	SR 1127	FROM SR 1126 TO EOP (MP 0.00 - MP 0.50)	2	2	2WU	NO	NO	0.5	18		30	5,280	5,280	2,094			
		17	SR 1151	FROM US 19E TO EOP (MP 0.00 - MP 0.14)	2	2	2WU	NO	NO	0.14	20		30	1,643	1,643	904			
		18	SR 1431	FROM US 19E TO EOP (MP 0.00 - MP 0.34)	2	2	2WU	NO	NO	0.34	18		15	3,590	3,590	1,975			
		19	SR 1375	FROM US 19E TO EOP (MP 0.00 - MP 0.18)	2	2	2WU	NO	NO	0.18	17		15	1,795	1,795	988			
		20	SR 1150	FROM US 19E TO EOP (MP 0.00 - MP 0.06)	2	2	2WU	NO	NO	0.06	15		30	537	537	296			
		21	SR 1376	FROM SR 1455 TO EOP (MP 0.19 - MP 0.38)	2	2	2WU	NO	NO	0.19	17		20	1,895	1,895	1,043			
		22	SR 1449	FROM EOP TO EOP (MP 0.00 - MP 0.15)	2	2	2WU	NO	NO	0.15	20		20	1,760	1,760	968			
TOTAL FOR PROJ NO. 2018CPT.13.07.21002										9.64		20,000.00	535	53,074	53,074	28,385			
GRAND TOTAL										31.21		45,000.00	1,825	92,886	92,886	50,292	64,205	25	2

PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.13.03.10572, 2018CPT.13.03.20572, 2018CPT.13.07.21002	11	11

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4810000000-E	4810000000-E	4850000000-E
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW	REMOVAL OF PAVEMENT MARKING LINES (4")
										SF	LS	LF	LF	LF
2018CPT.13.03.10572	Madison	1	NC 63	FROM BUNCOMBE COUNTY LINE TO SR 1100 (MP 0.00 - MP 2.62)		2	2WU	2.62	22	1,314	*			
		2	NC 208	US 25/70 TO TN STATE LINE (MP 0.00 - MP 9.10)		2	2WU	9.1	20					
TOTAL FOR PROJ NO. 2018CPT.13.03.10572							11.72			1,314				
2018CPT.13.03.20572	Madison	3	SR 1116	FROM SR 1114 TO SR 1001 (MP 0.00 - MP 6.08)	1	2	2WU	6.08	18	1,108	*	128,410	128,410	128,410
		4	SR 1137	FROM US 25/70 TO US 25/70 BUS (MP 0.00 - MP 2.03)	2	2	2WU	2.03	18			42,874	42,874	
		5	SR 1193	FROM SR 1601 TO EOP (MP 0.00 - MP 0.16)	2	2	2WU	0.16	18					
		6	SR 1562	FROM SR 1559 TO SR 1565 (MP 0.00 - MP 0.65)	2	2	2WU	0.65	18			13,728	13,728	
		7	SR 1160	FROM SR 1151 TO EOP (MP 0.00 - MP 0.21)	2	2	2WU	0.21	18					
		8	SR 1347	FROM US 23A TO EOP (MP 0.00 - MP 0.72)	2	2	2WU	0.72	18			15,206	15,206	
TOTAL FOR PROJ NO. 2018CPT.13.03.20572							9.85			1,108		200,218	200,218	128,410
2018CPT.13.07.21002	Yancey	9	SR 1113	FROM SR 1112 TO EOP (MP 0.00 - MP 0.07)	2	2	2WU	0.07	17	1,094	*			
		10	SR 1152	FORM SR 1185 TO NC 805 (MP 0.00 - MO 4.69)		2	2WU	4.69	19					
		11	SR 1381	FROM US 19W TO EOP (MP 0.00 - MP 1.35)	2	2	2WU	1.35	18			28,512	28,512	
		12	SR 1363	FROM SR 1362 TO EOP (MP 0.00 TO MP 0.11)	2	2	2WU	0.11	17					
		13	SR 1362	FROM SR 1336 TO EOP (MP 0.00 - MP 0.58)	2	2	2WU	0.58	19					
		14	SR 1360	FROM SR 1336 TO EOP (MP 0.00 - 0.92)	2	2	2WU	0.92	19					
		15	SR 1422	FROM NC 197N TO EOP (MP 0.00 - MP 0.36)	2	2	2WU	0.36	18					
		16	SR 1127	FROM SR 1126 TO EOP (MP 0.00 - MP 0.50)	2	2	2WU	0.5	18					
		17	SR 1151	FROM US 19E TO EOP (MP 0.00 - MP 0.14)	2	2	2WU	0.14	20					
		18	SR 1431	FROM US 19E TO EOP (MP 0.00 - MP 0.34)	2	2	2WU	0.34	18					
		19	SR 1375	FROM US 19E TO EOP (MP 0.00 - MP 0.18)	2	2	2WU	0.18	17					
		20	SR 1150	FROM US 19E TO EOP (MP 0.00 - MP 0.06)	2	2	2WU	0.06	15					
		21	SR 1376	FROM SR 1455 TO EOP (MP 0.19 - MP 0.38)	2	2	2WU	0.19	17					
		22	SR 1449	FROM EOP TO EOP (MP 0.00 - MP 0.15)	2	2	2WU	0.15	20					
TOTAL FOR PROJ NO. 2018CPT.13.07.21002							9.64			1,094		28,512	28,512	
GRAND TOTAL							31.21			3,516	1	228,730	228,730	128,410