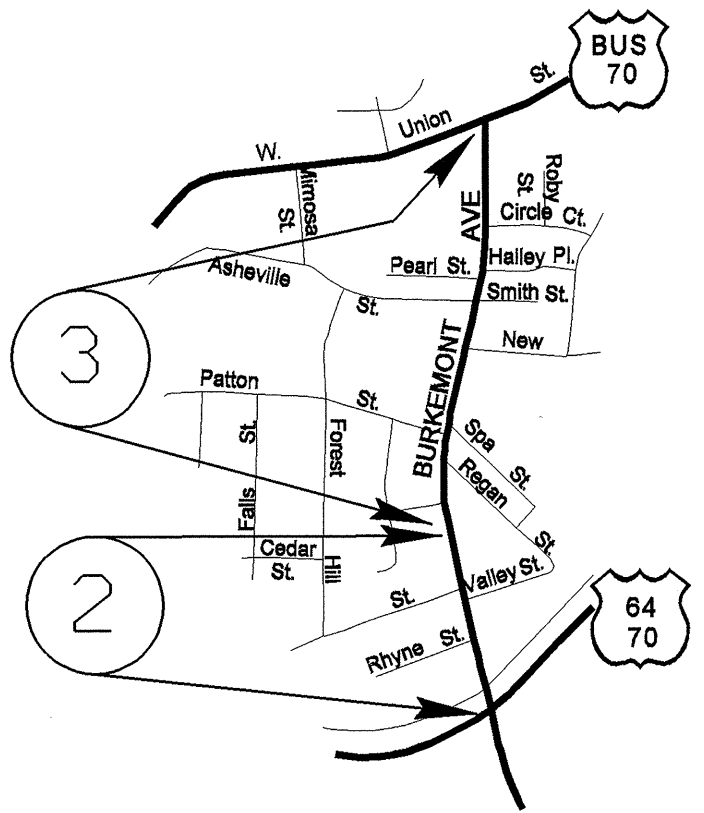
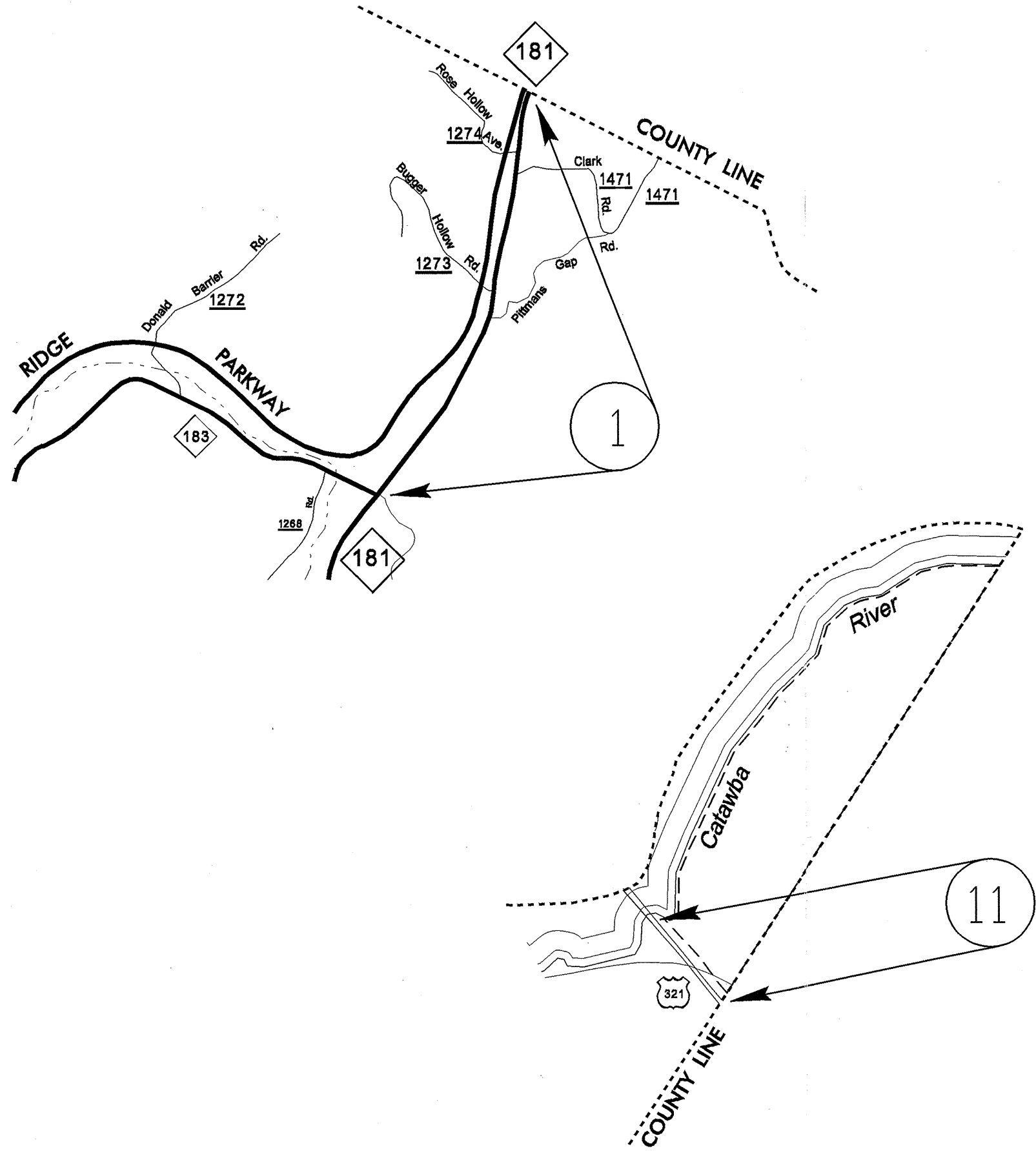
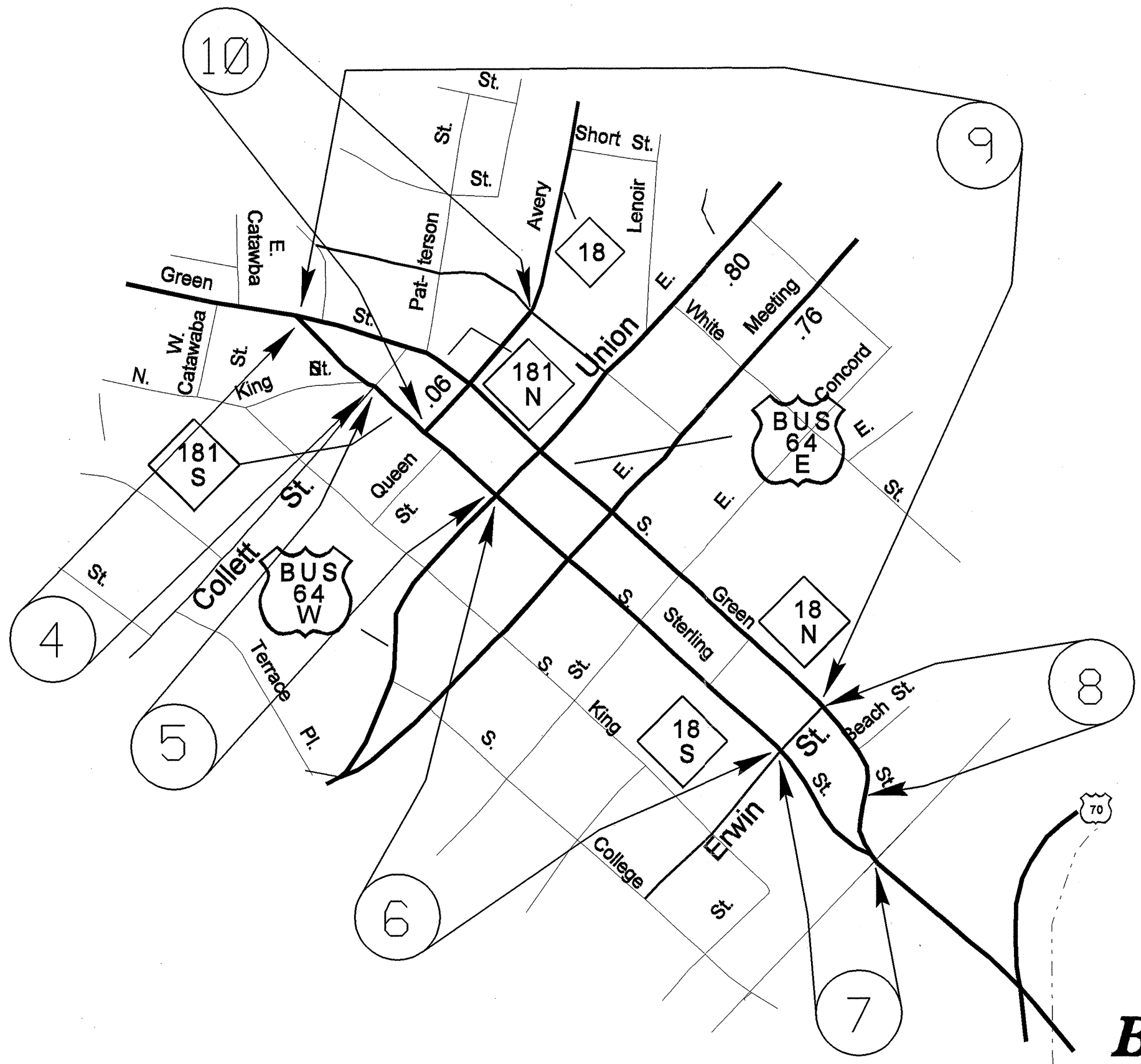


PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.6 & 13CR.20121.6	1	



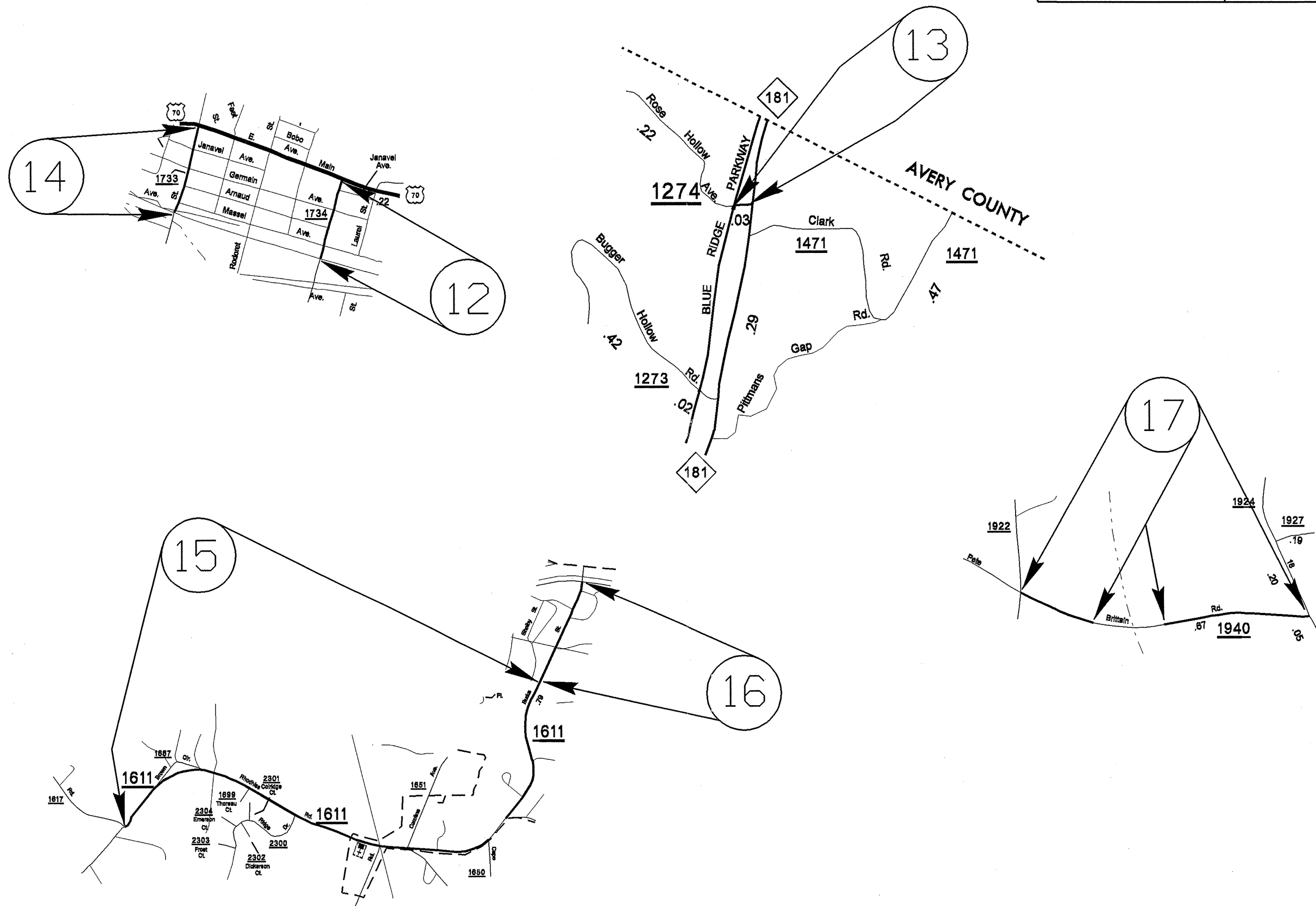
# BURKE COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.6 & 13CR.20121.6	2	



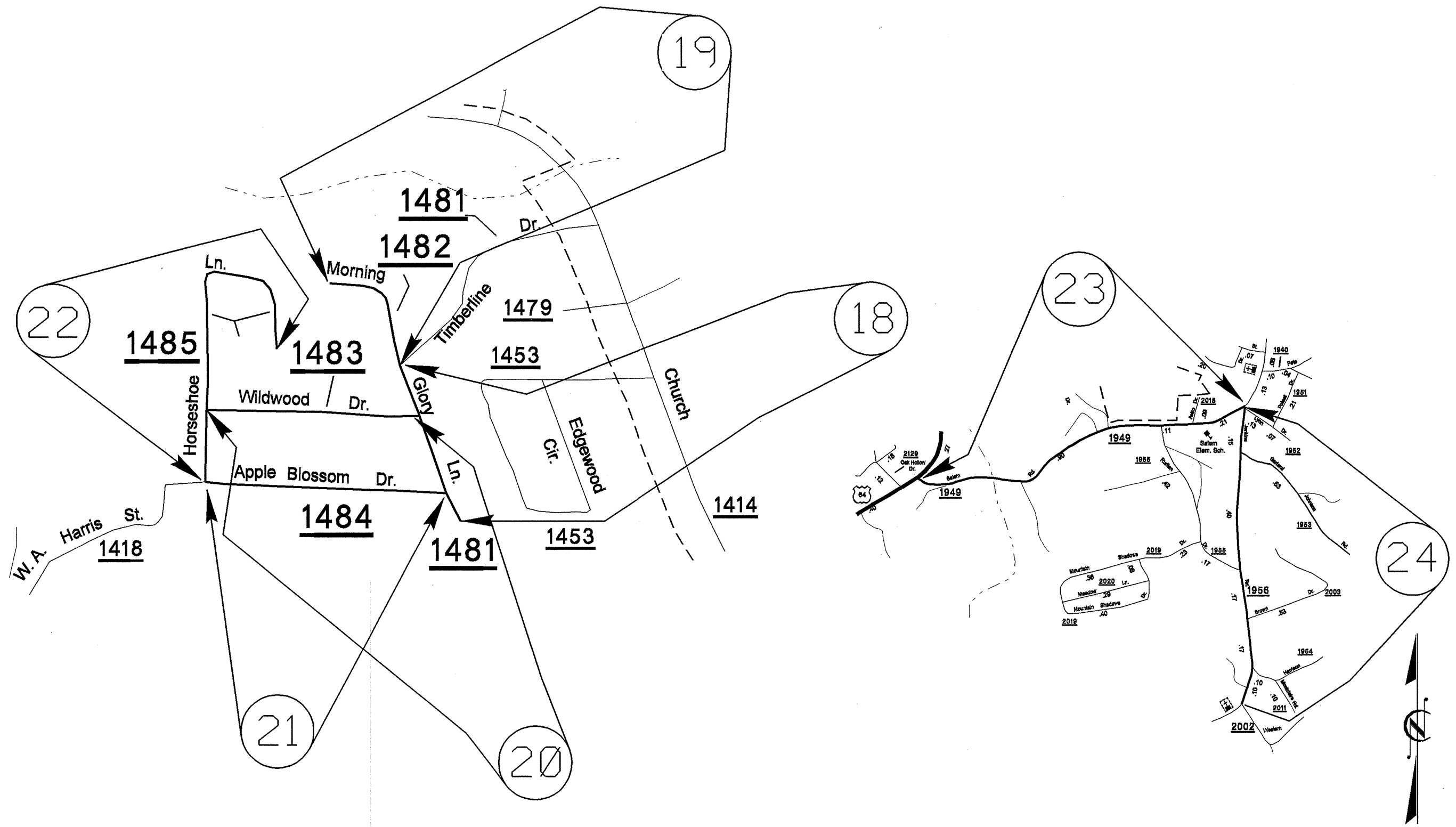
**BURKE COUNTY**

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.6 & 13CR.20121.6	3	



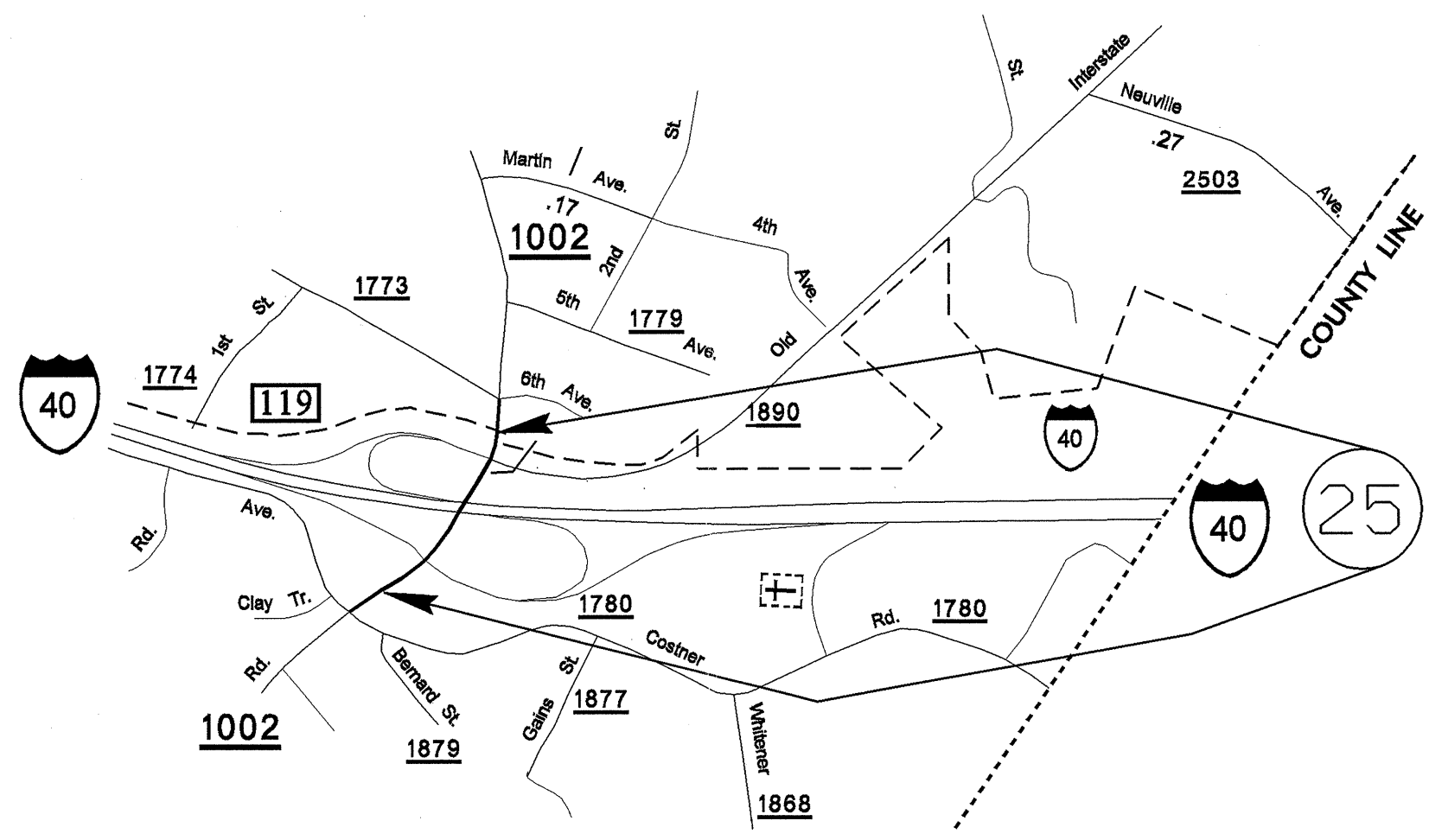
# BURKE COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.6 & 13CR.20121.6	4	



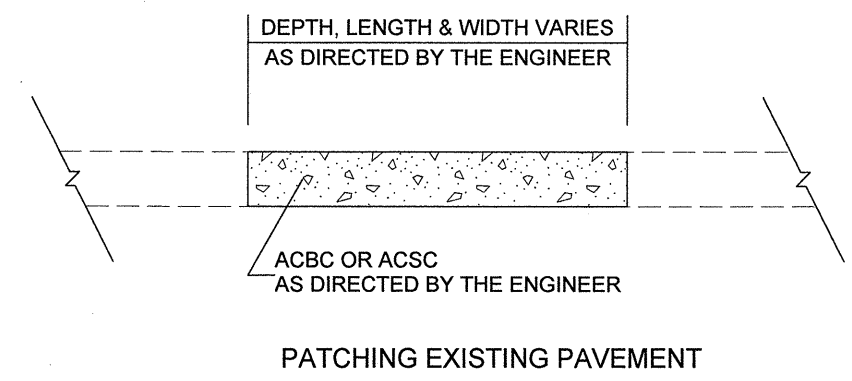
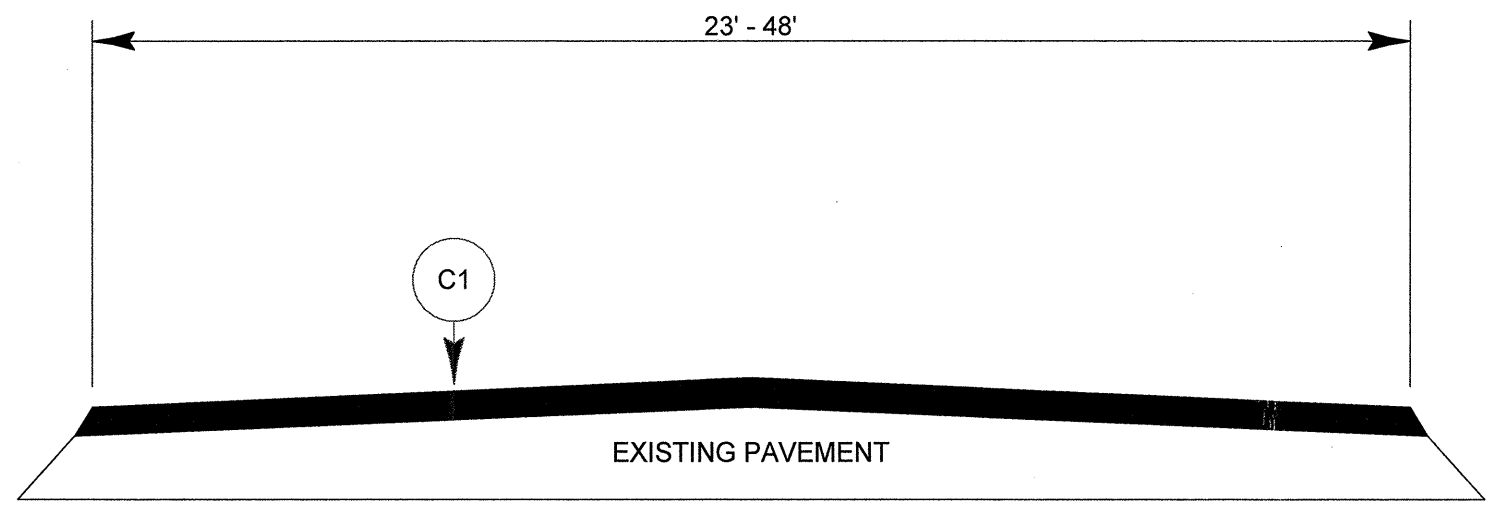
**BURKE COUNTY**

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.6 & 13CR.20121.6	5	

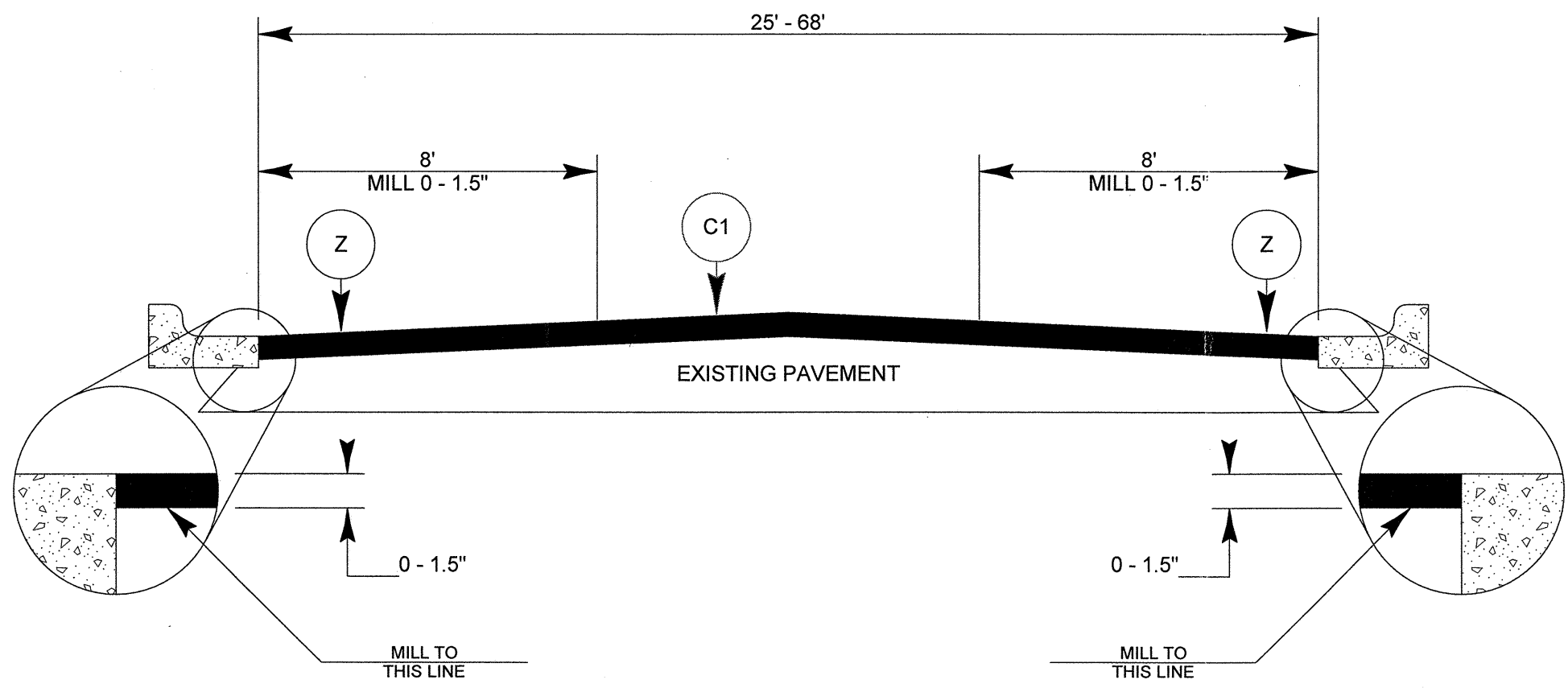


**BURKE COUNTY**

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.6, 13CR.20121.6	6	



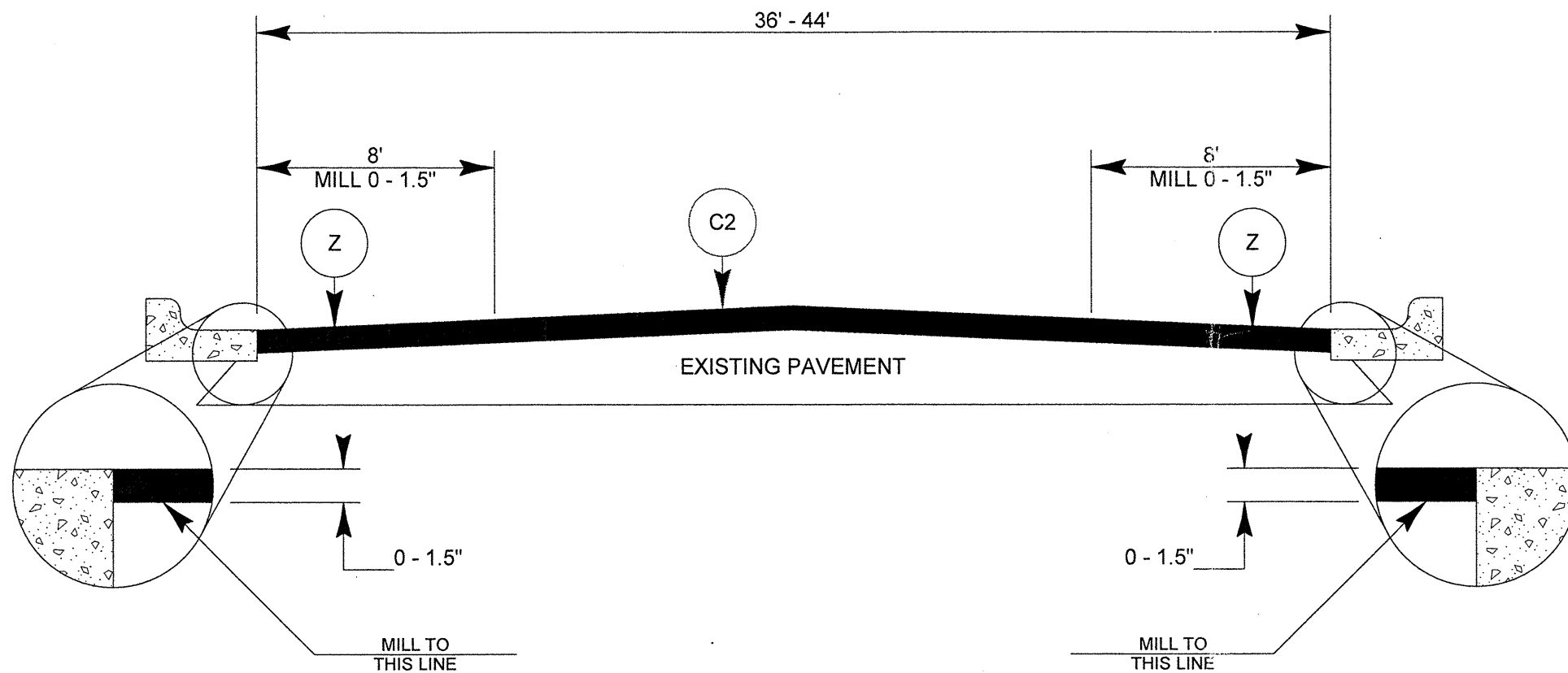
TYPICAL SECTION NO. 1



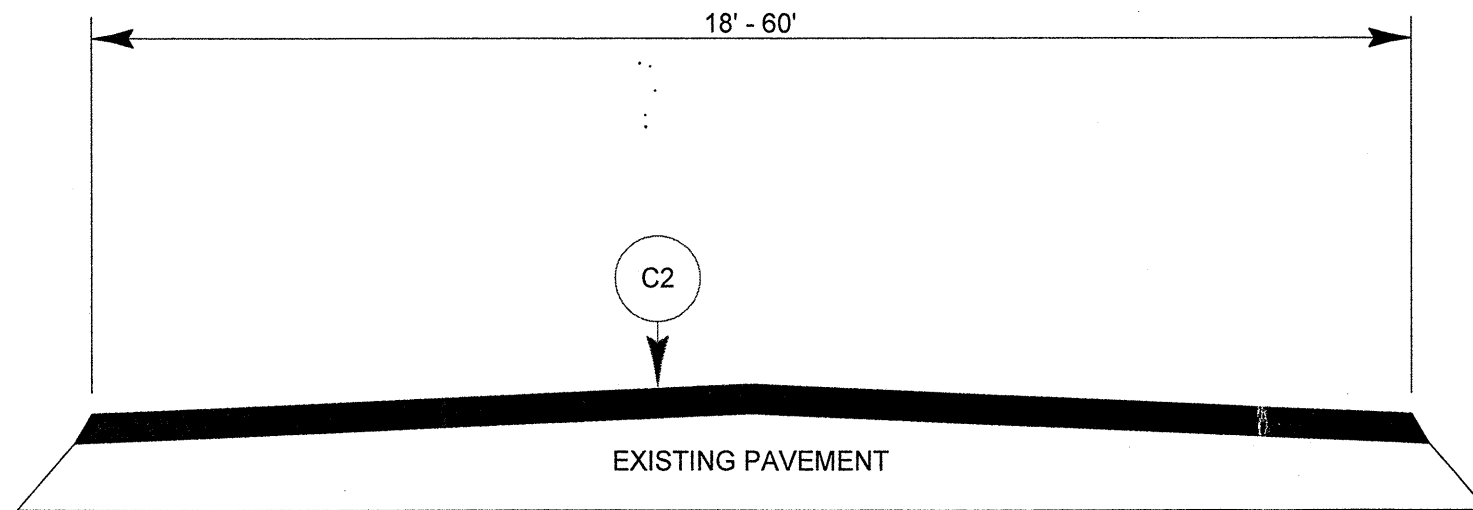
TYPICAL SECTION NO. 2

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YARD
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YARD
Z	0 TO 1.5" MILLING

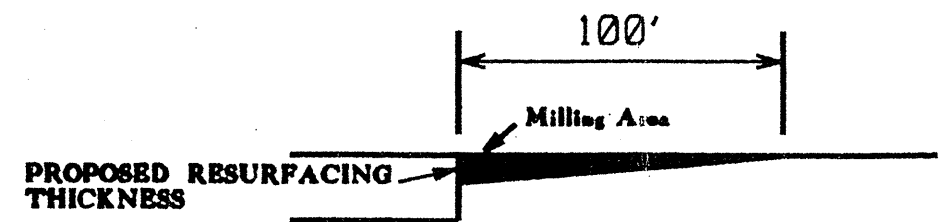
PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.6, 13CR.20121.6	7	



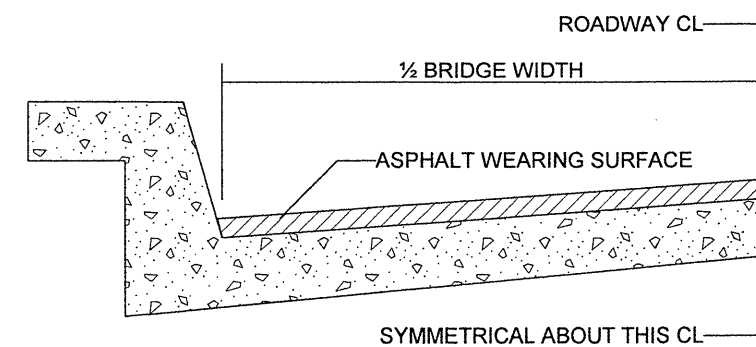
TYPICAL SECTION NO. 3



TYPICAL SECTION NO. 4



MILLING DETAIL AT BRIDGE APPROACHES  
 COST OF MILLING IS INCIDENTAL TO OTHER ITEMS.



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. A THICKNESS OF NOT LESS THAN 5/8" SHALL BE PROVIDED. THE MAXIMUM THICKNESS SHALL PREFERABLY BE 1 1/2" UNLESS IT IS IMPRACTICAL TO PROVIDE A SMOOTH RIDING SURFACE OTHERWISE.

**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 RADII, 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.

PROJECT NO.	SHEET NO.	TOTAL NO.
13CR.10121.6, 13CR.20121.6	8	

### SUMMARY OF QUANTITIES

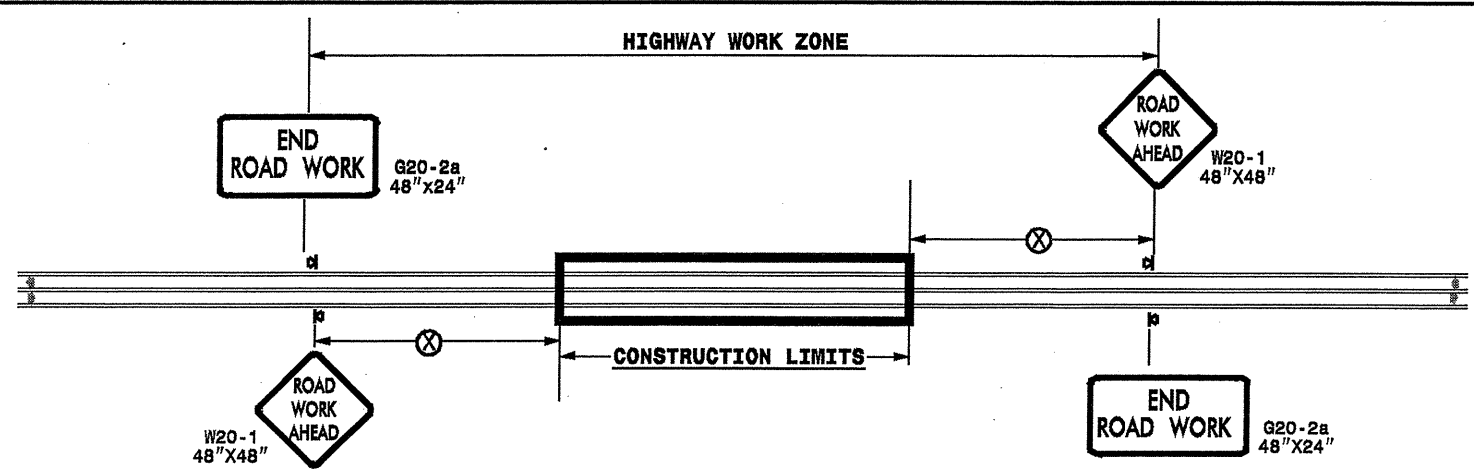
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	0" TO 1.5" MILLING SY	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TON	PG 64-22 PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	RETROFIT EXIST. WHEEL CHAIR RAMPS EA	WHEELCHAIR RAMPS EA	ADJUST. OF CATCH BASIN EA	ADJUST. OF DROP INLET EA	ADJUST. OF MANHOLES EA	ADJUST. OF METER OR VALVE BOXES EA	PORTABLE LIGHTING LS				
13CR.10121.6	Burke	1	NC 181	FROM NC 183 TO COUNTY LINE	1	0.9	23		1,128		68												
				US 64B (BURKEMONT AVE)	2	0.09	58	845	284	17								4					
				US 64B (BURKEMONT AVE)	2	0.63	25	5914	858	51							13	7			12	3	
				NC 181 S. (STERLING ST.)	2	0.08	30	751	131	8						6	3				5	4	1
				NC 181 S. (STERLING ST.)	2	0.15	60	1408	489	29						6	3				3	4	*
				NC 181 S. (STERLING ST.)	2	0.25	68	2347	923	55						3	5				10	16	*
				NC 181 S. (STERLING ST.)	2	0.11	51	1033	305	18						3	3				3	11	*
				NC 181 N. (GREEN ST.)	2	0.08	40	751	174	10						1							*
				NC 181 N. (GREEN ST.)	2	0.66	51	6195	1,829	110						7	20				10	5	*
				NC 18 (AVERY AVE.)	2	0.13	30	1220	212	13						2	6		1	2	6	2	*
				US 321	1	0.23	48		600							36	40						
TOTAL FOR PROJ NO. 13CR.10121.6						3.31		20464	6,933		415	66	48	53	12	2	49	45	1				
13CR.20121.6	Burke	12	SR 1734	FROM US 70 TO BRIDGE ACROSS SOUTHERN RAILROAD	3	0.17	44	1596		399	26	2							4	2			
				SR 1274	4	0.03	18		29	2													
				SR 1733	3	0.25	36	2347	481	31	3										4	3	
				SR 1611	4	2.02	20		2,164	141	20												
				SR 1611	4	0.08	40		171	11	1												
				SR 1940	4	0.38	20		407	26	4												
				SR 1481	4	0.11	18		106	7	1												
				SR 1482	4	0.14	18		135	9	1												
				SR 1483	4	0.21	18		203	13	2												
				SR 1484	4	0.27	18		261	17	3												
				SR 1485	4	0.39	18		376	24	4												
				SR 1949	4	1.22	20		1,307	85	23												
				SR 1956	4	1	22		1,178	77	10												
				SR 1002	4	0.25	60		800	52	150												
TOTAL FOR PROJ NO. 13CR.20121.6						6.52		3943	8,017	521	224							8	5				
GRAND TOTAL						9.83		24407	6,933	8,017	936	290	48	53	12	2	57	50	1				

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4685000000-E	4686000000-E	4697000000-E	4705000000-E	4710000000-E	4721000000-E	4725000000-E			4810000000-E	4810000000-E	4415000000-N	4480000000-N	4420000000-N			
					4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	8" X 120 M WHITE THERMO LF	16" X 120 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO RXR 120 M EA	THERMO RT ARROW 90 M EA	THERMO LT ARROW 90 M EA	THERMO STR & RT ARROW 90 M EA	THERMO STR & LT ARROW 90 M EA	4" WHITE PAINT LF	4" YELLOW PAINT LF	FAP EA	TMIA EA	CMS EA	
13CR.10121.6	Burke	1	NC 181	FROM NC 183 TO COUNTY LINE	9,504	9,504															
				US 64B (BURKEMONT AVE)		950	396					48									
				US 64B (BURKEMONT AVE)		6,653						12					2				
				NC 181 S. (STERLING ST.)			156	80				40									
				NC 181 S. (STERLING ST.)			396	425				90									
				NC 181 S. (STERLING ST.)			330	320				200									
				NC 181 S. (STERLING ST.)			145														
				NC 181 N. (GREEN ST.)			106														
				NC 181 N. (GREEN ST.)			1,610	974					270								
				NC 18 (AVERY AVE.)			300	240				90									
				US 321			4,858	715	88	88	96	4	2	2							
TOTAL FOR PROJ NO. 13CR.10121.6					14,362	18,480	4,154	2,039	88	846	4	10	18	37	12	13		1	1	2	
						22,634							90								
13CR.20121.6	Burke	12	SR 1734	FROM US 70 TO BRIDGE ACROSS SOUTHERN RAILROAD		1,795			280		20										
				SR 1274																	
				SR 1733						144	44	108		2						634	634
				SR 1611																	
				SR 1611				21,331	21,331												
				SR 1940				845	845	100											
				SR 1481				4,013	4,013												
				SR 1482																	
				SR 1482																	
				SR 1483																	
				SR 1484																	
				SR 1485																	
				SR 1949					12,883	12,883											
				SR 1956																	
SR 1002					2,640	2,640	860		50		5	3		2	5	21,120	21,120				
TOTAL FOR PROJ NO. 13CR.20121.6					41,712	43,507	760	424	44	178	2	5	5	17	2	5	21,754	21,754			
						44,267											43,507				
GRAND TOTAL					56,074	61,987	4,914	2,463	132	1,024	6	15	23	37	14	18	21,754	21,754	1	1	2
						66,901								107			43,507				



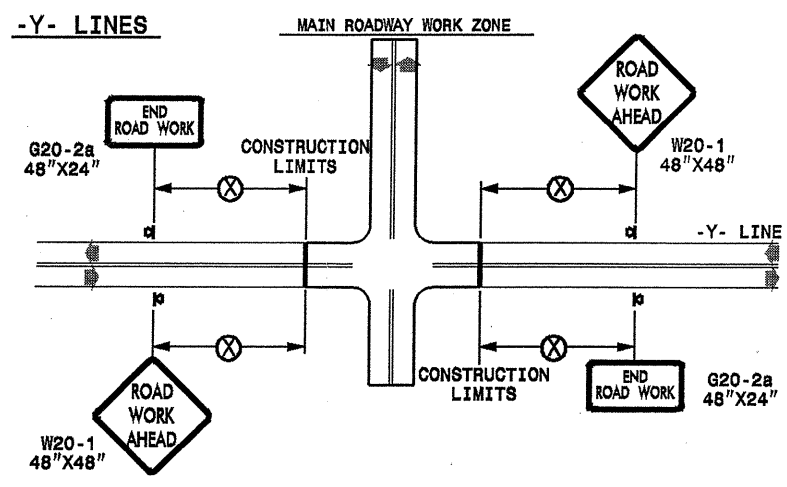
**TWO-WAY UNDIVIDED \*\* (L-LINES)**



POSTED SPEED LIMIT (M.P.H.)	RECOMMENDED MINIMUM SIGN SPACING
≤ 50	500'
≥ 55	1000'

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

**ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)**



DETAIL DRAWING  
FOR TWO-WAY UNDIVIDED  
WORK ZONE WARNING SIGNS

**GENERAL NOTES**

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCE WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- \*\* TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

**LEGEND**

◀ PORTABLE SIGN

➡ DIRECTION OF TRAFFIC FLOW

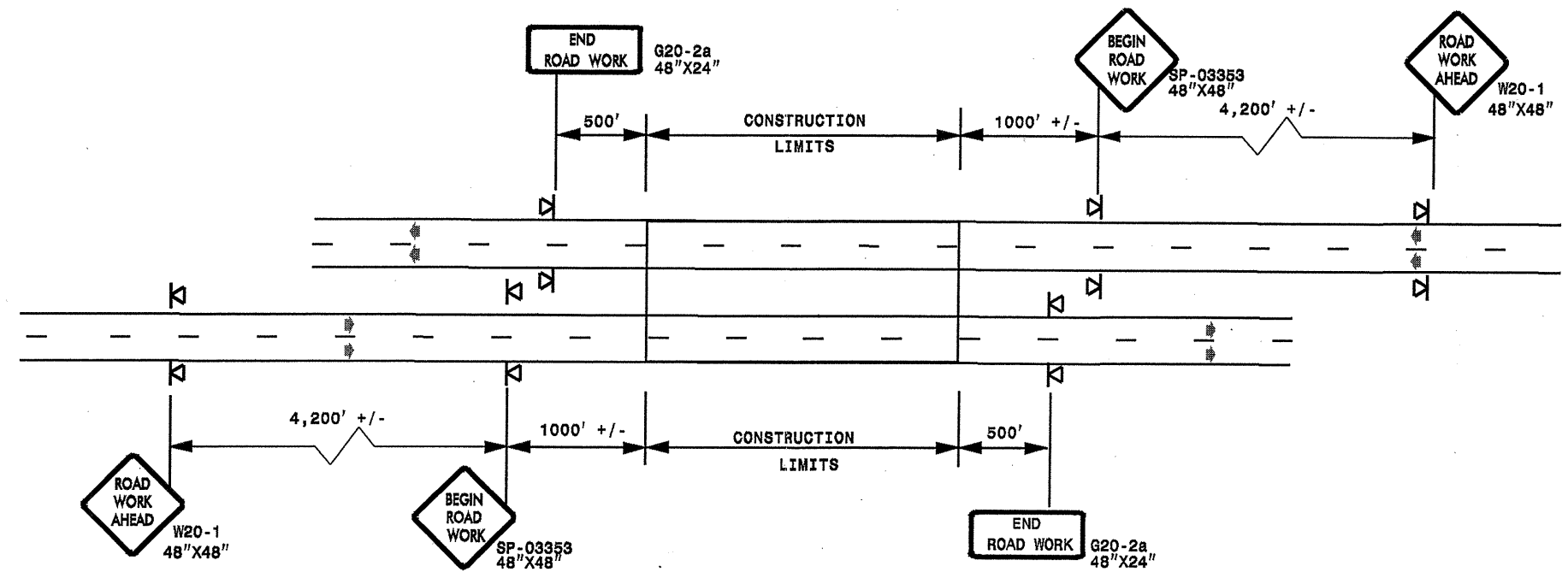
SHEET 1 OF 1

APPROVED: _____ DATE: _____	DETAIL DRAWING FOR TWO-WAY UNDIVIDED ADVANCED WORK ZONE WARNING SIGNS	SCALE: NONE DATE: 7-98 DWG. BY: 10-98 DESIGN BY: 01/01 REVIEWED BY: 11/04		REVISIONS 10/01 03/04 11/04
SEAL				CADD FILE

30-DEC-2008 12:33  
 d:\resur\facimg\0508\resur\facimg2009\div13\c202246\_13cr101216x2\_burke.nc181etc\c202246\_13cr101216x2\_2wayundivurbfrwysjuly2006.dgn  
 peymore AT WZTC237502

**ADVANCE WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)**

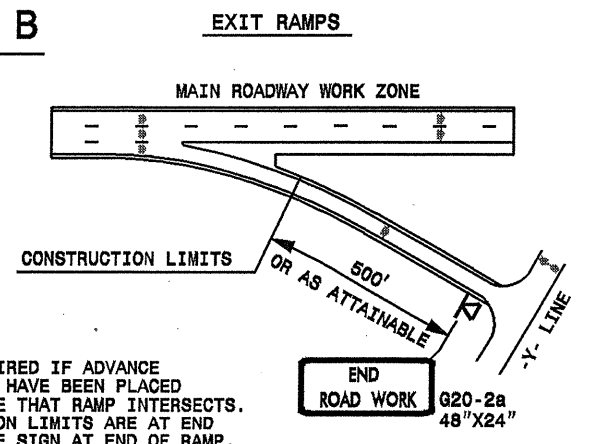
**DETAIL A**



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

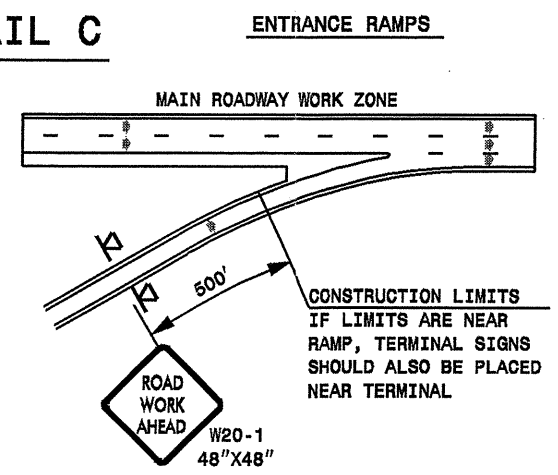
**ROADWAYS INTERSECTING ALONG FREEWAY WORK ZONE (Y-LINES)**

**DETAIL B**

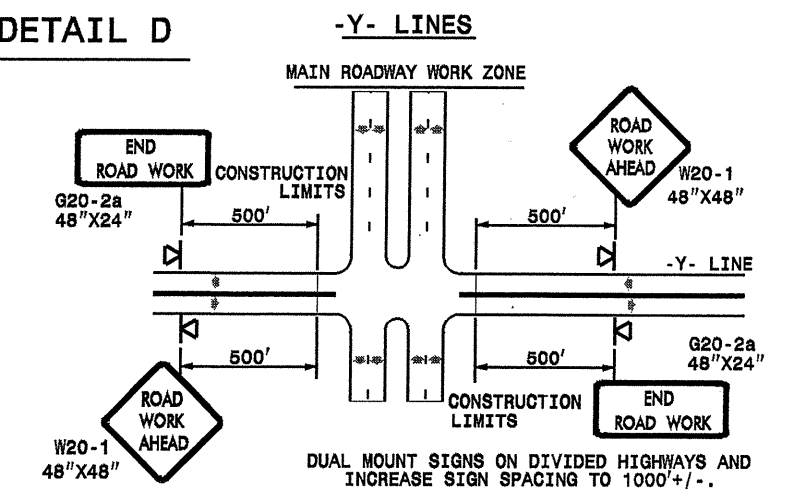


**NOTE:**  
SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

**DETAIL C**



**DETAIL D**



**DETAIL DRAWING  
FOR FREEWAYS  
WORK ZONE WARNING SIGNS  
(SHORT-DURATION LANE CLOSURES)**

**GENERAL NOTES**

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCE WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- \*\* TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

**LEGEND**

◁ PORTABLE SIGN

➡ DIRECTION OF TRAFFIC FLOW

SHEET 1 OF 1

30-DEC-2008 12:34 d:\resurfacing\_10508\resurfacing\dwg\13cr101216x2\_burke.nc18181tc\c202246\_13cr101216x2\_freelanesgreatJuly2006.dgn

APPROVED: _____	DATE: _____
SEAL	
DETAIL DRAWING FOR FREEWAYS WORK ZONE WARNING SIGNS	
SCALE: NONE	REVISIONS
DATE: _____	7-98 10/01
DWG. BY: _____	10-98 03/04
DESIGN BY: _____	01/01 11/04
REVIEWED BY: _____	CHECK FILE