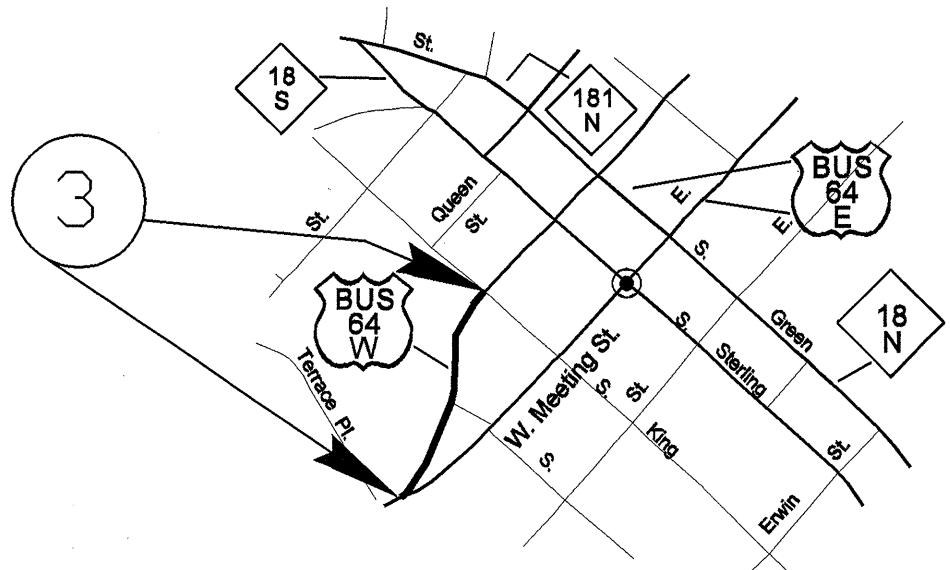
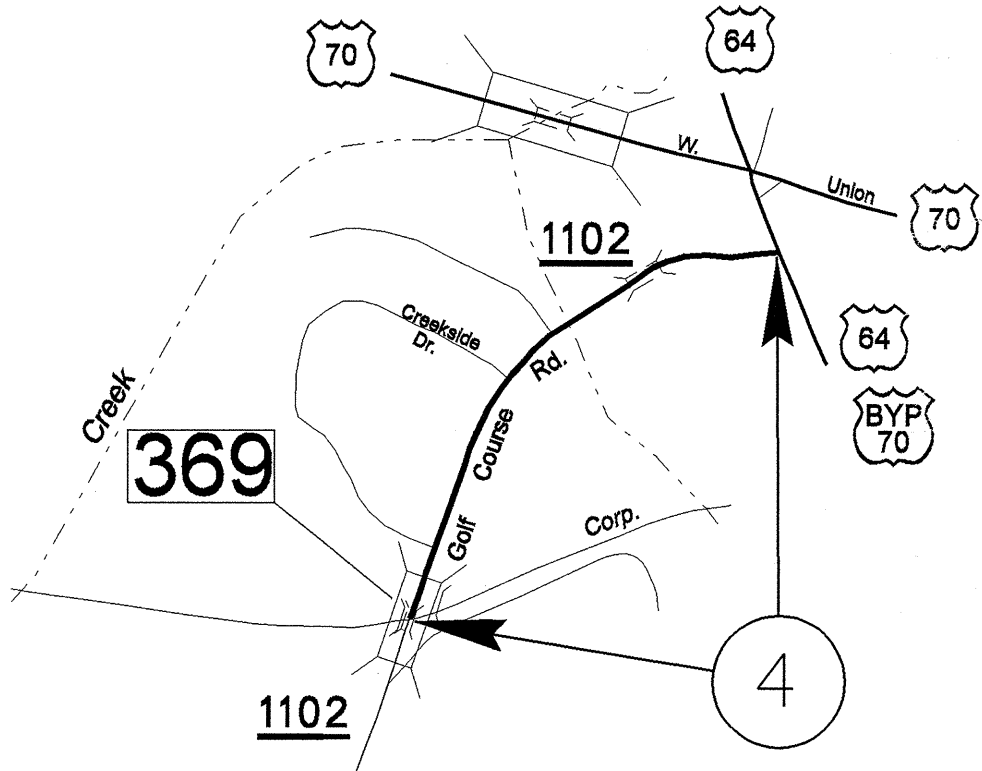
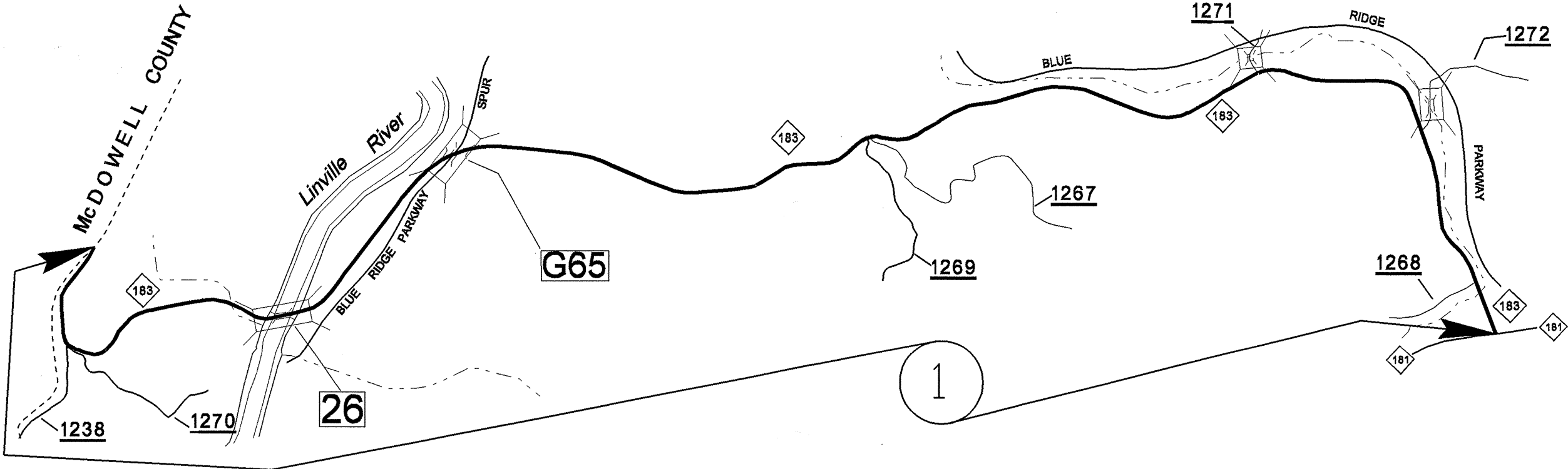
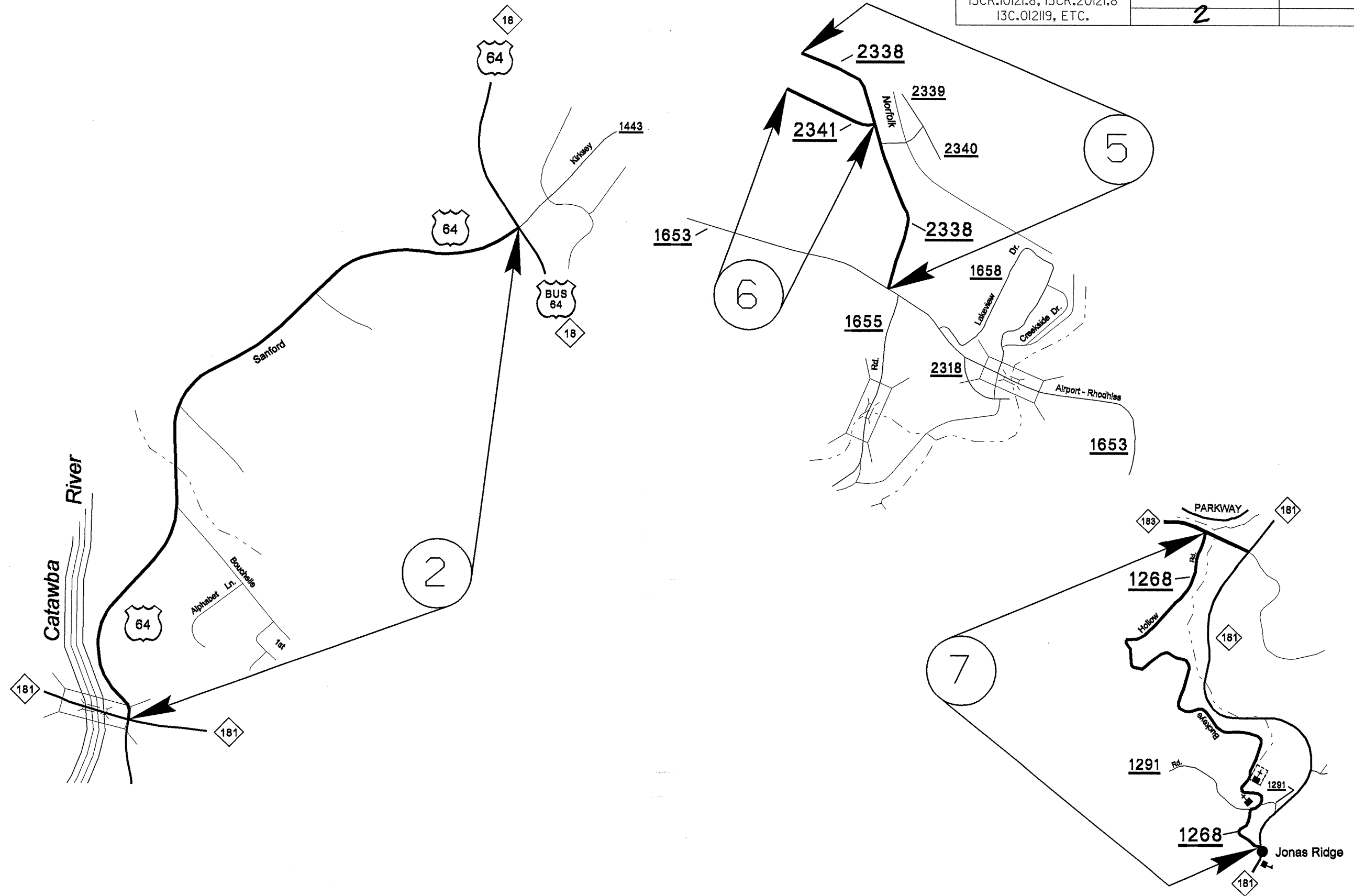


PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.8, 13CR.20121.8 13C.012119, ETC.	1	



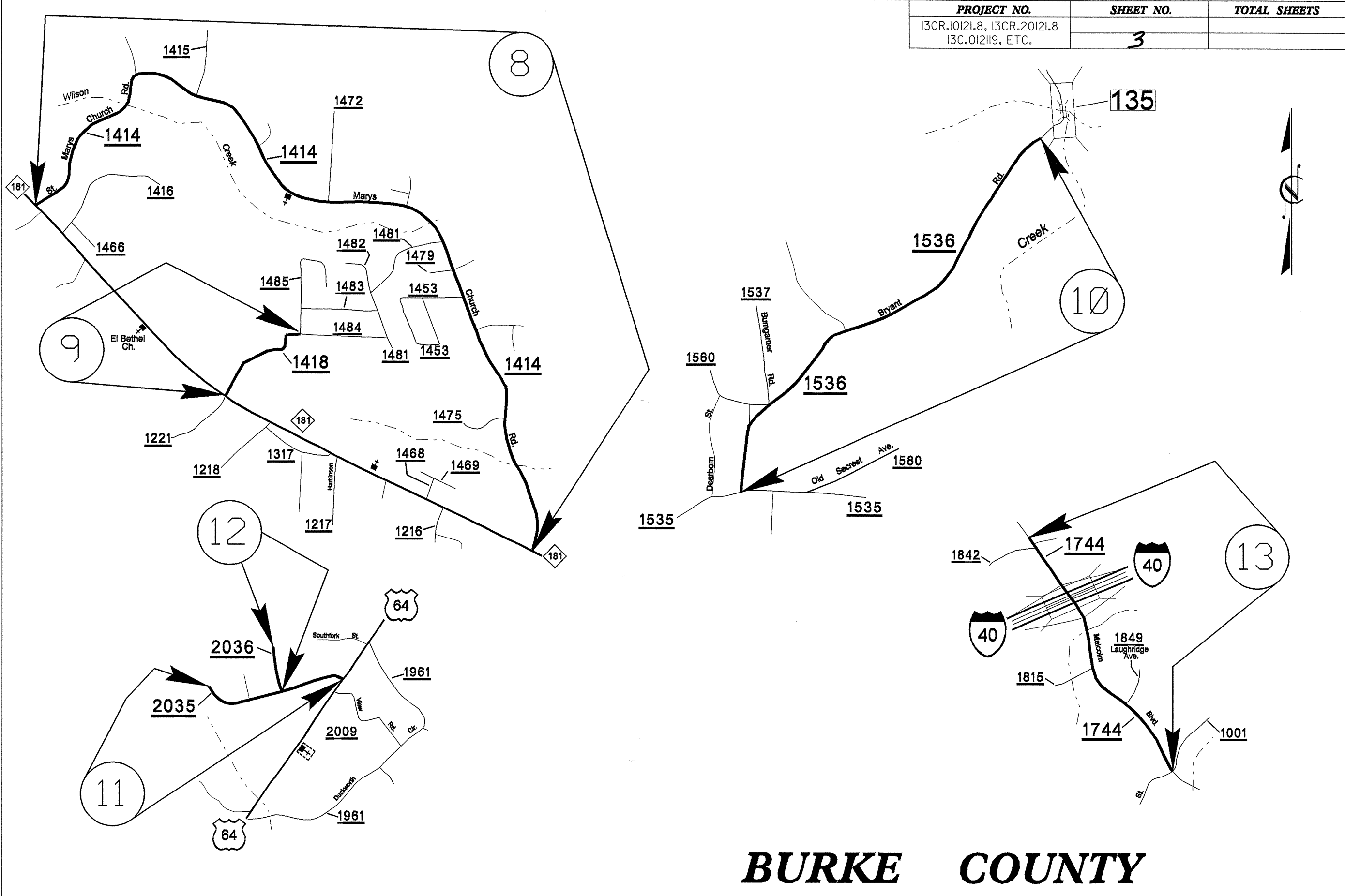
BURKE COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.8, 13CR.20121.8 13C.012119, ETC.	2	



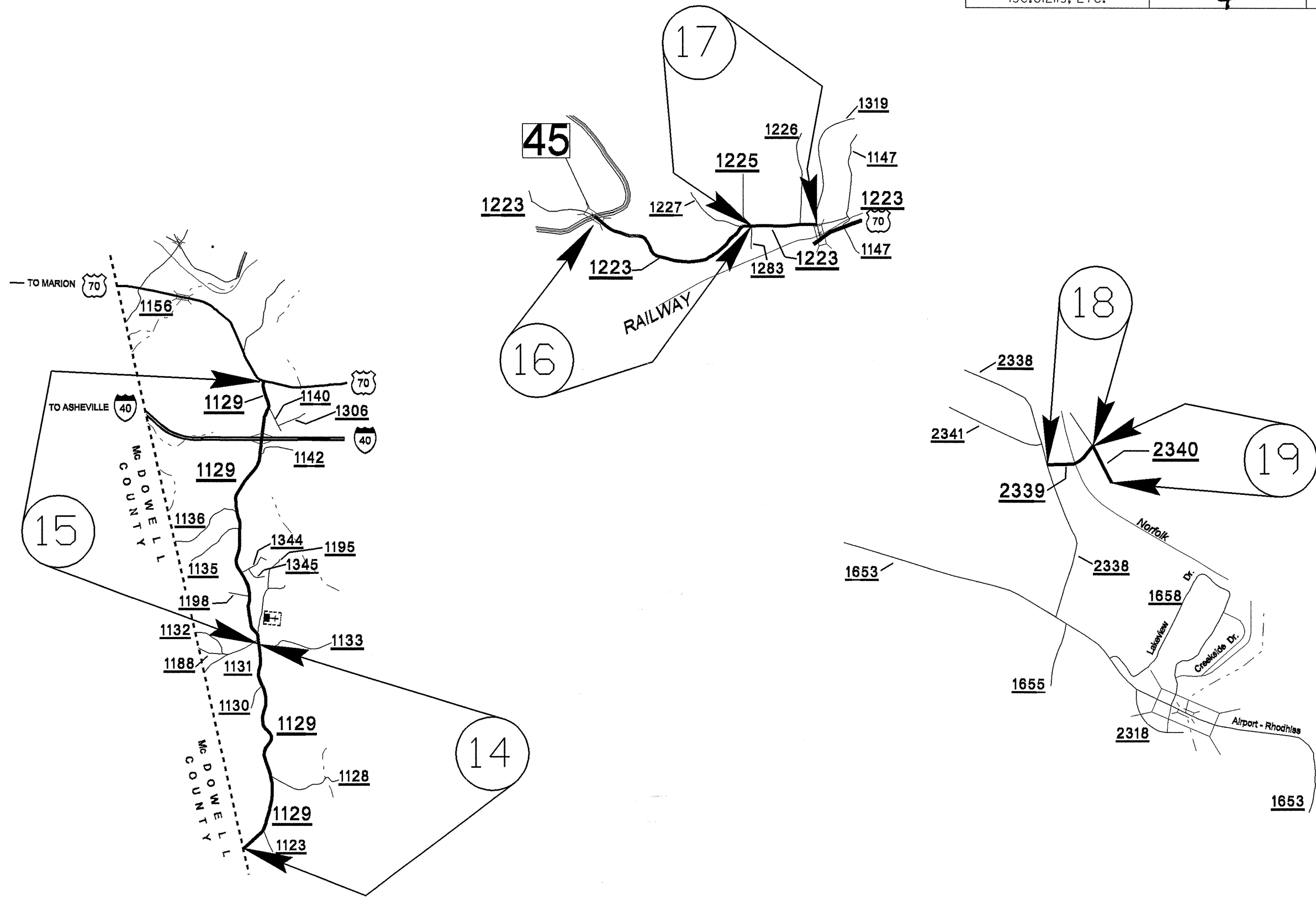
BURKE COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.8, 13CR.20121.8 13C.012119, ETC.	3	



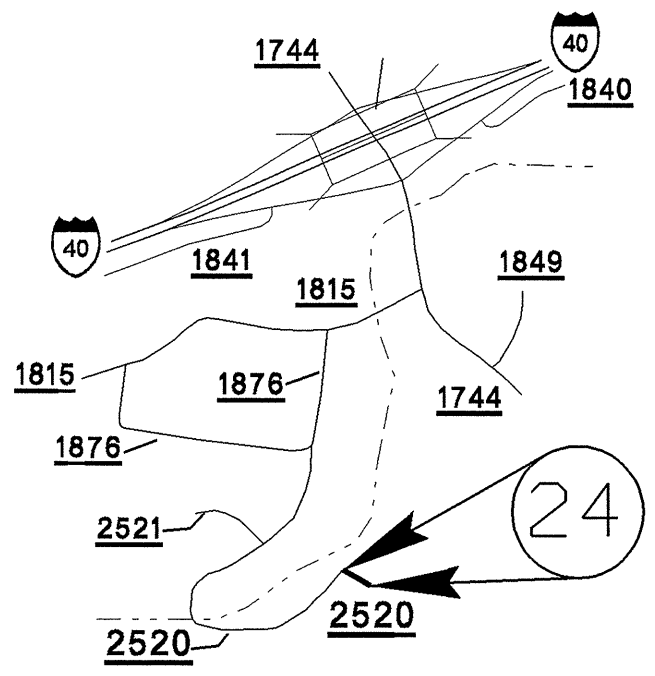
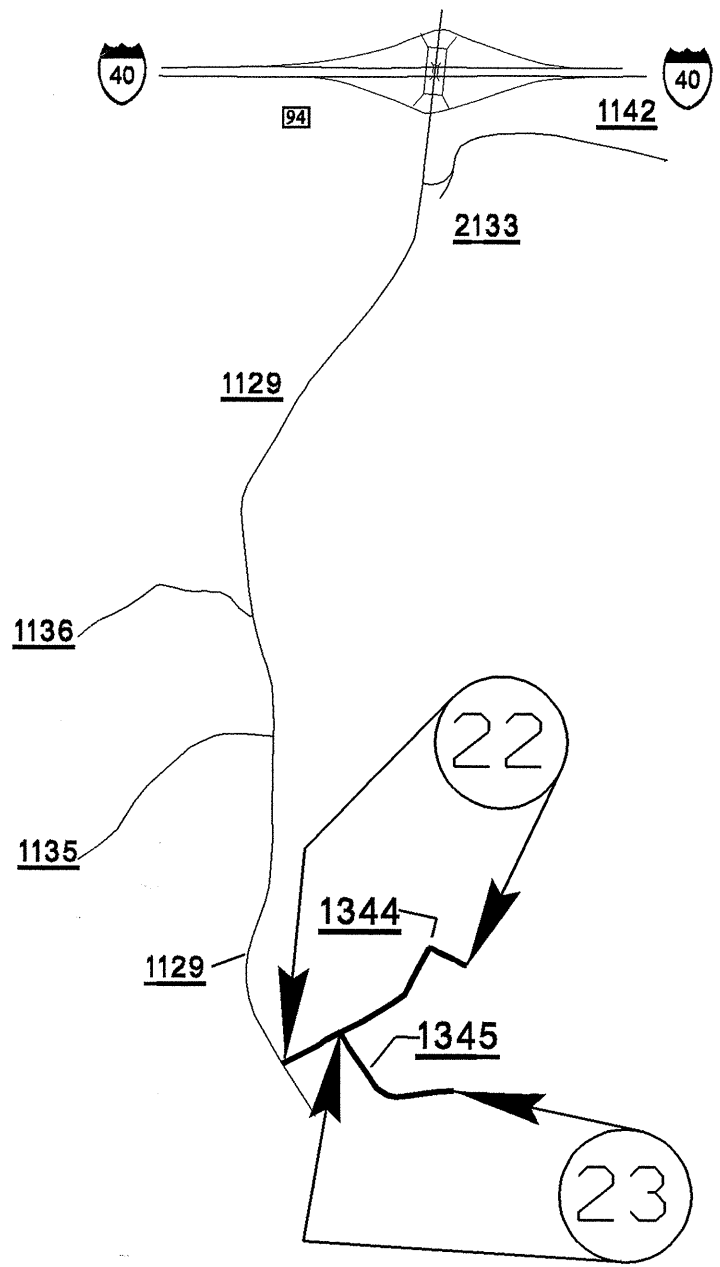
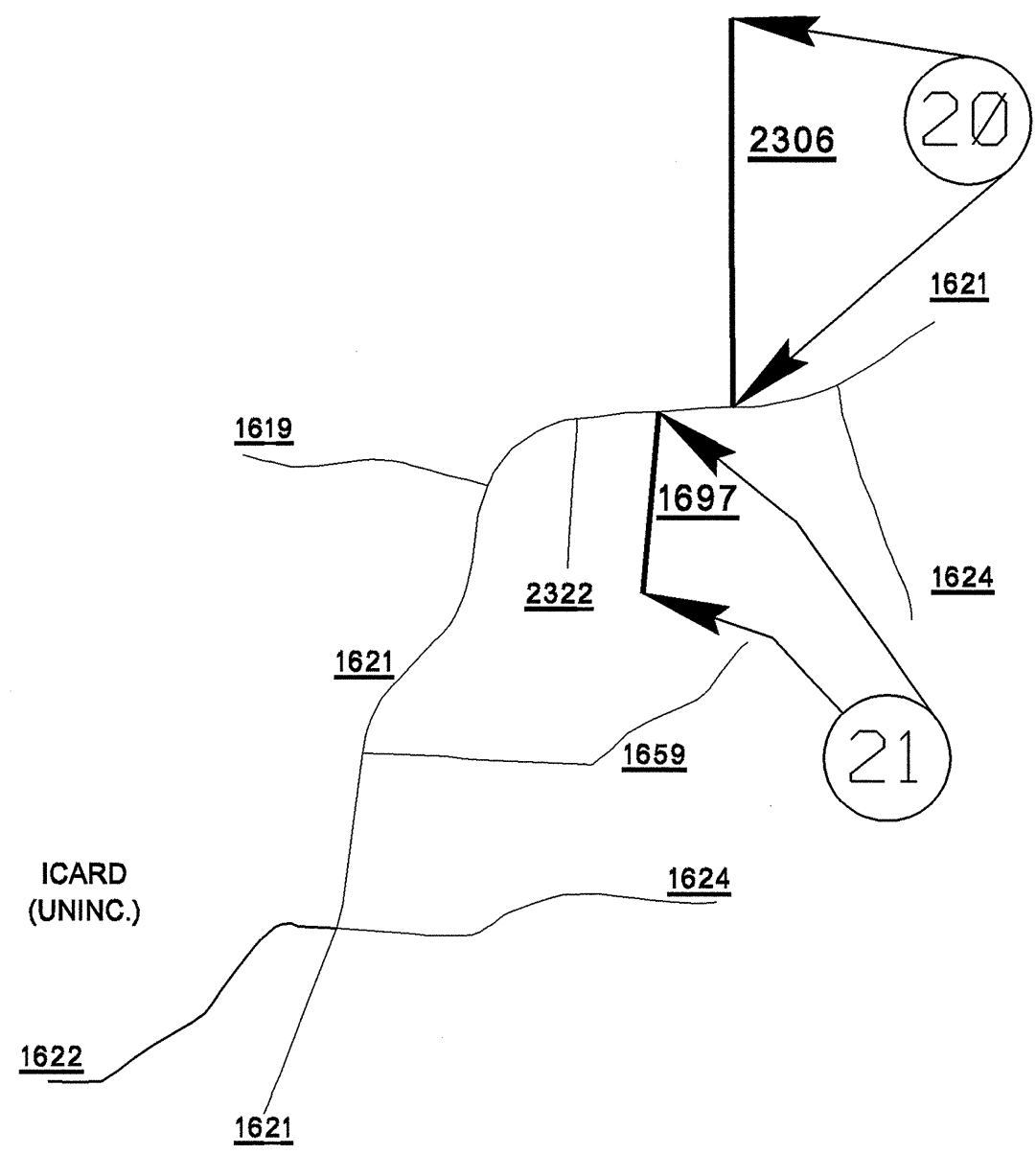
BURKE COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.8, 13CR.20121.8 13C.012119, ETC.	4	



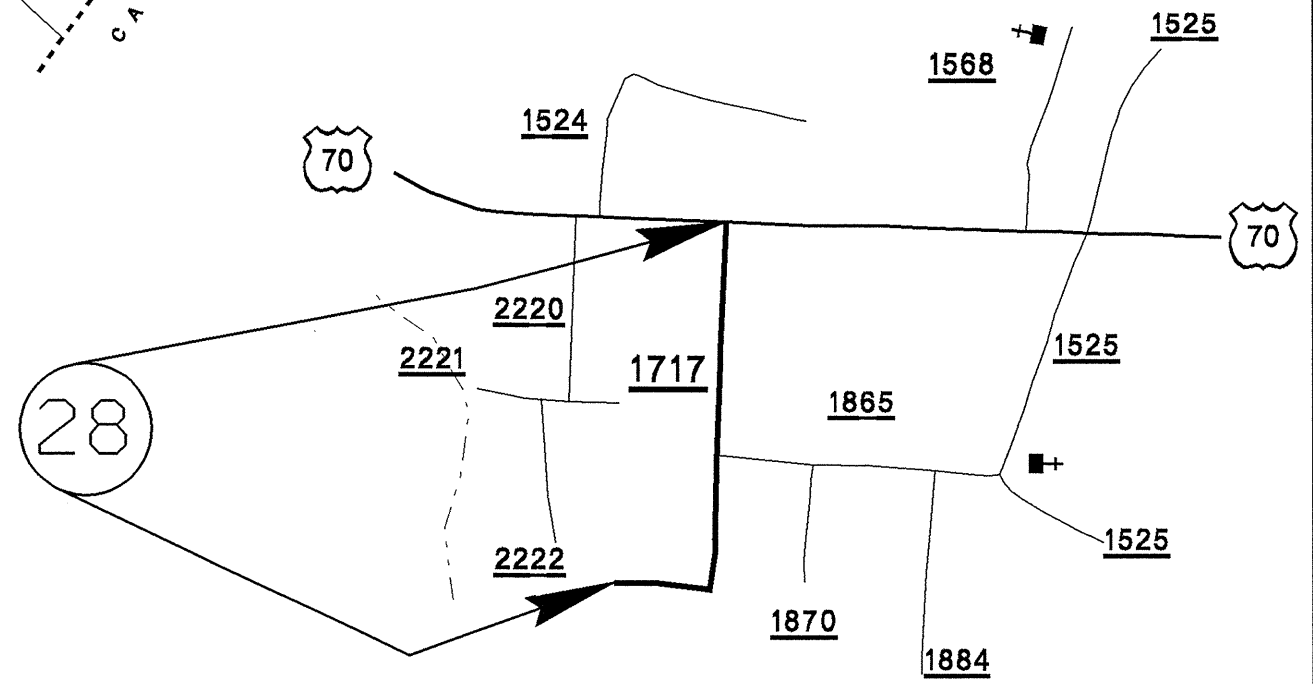
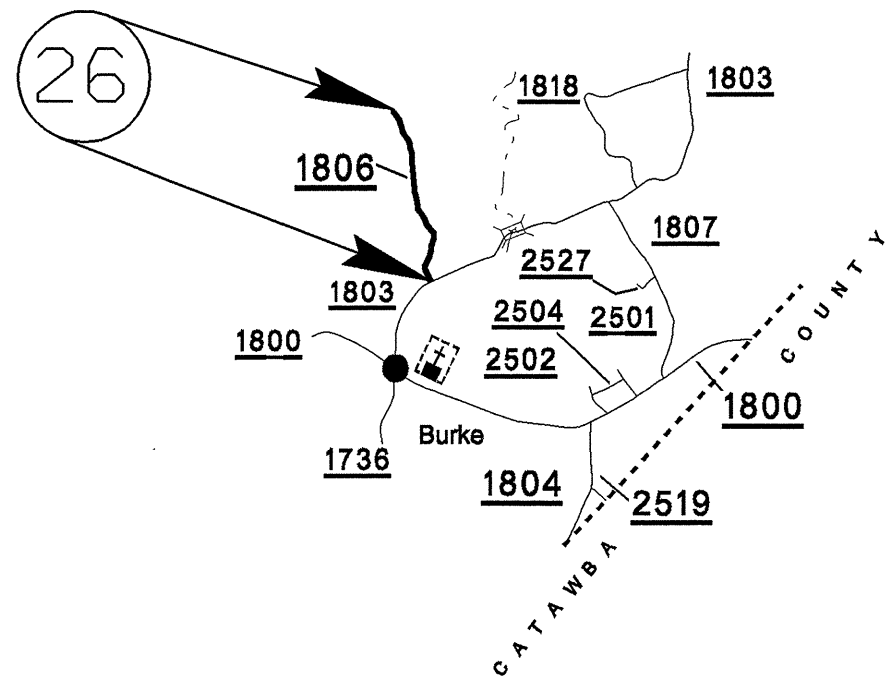
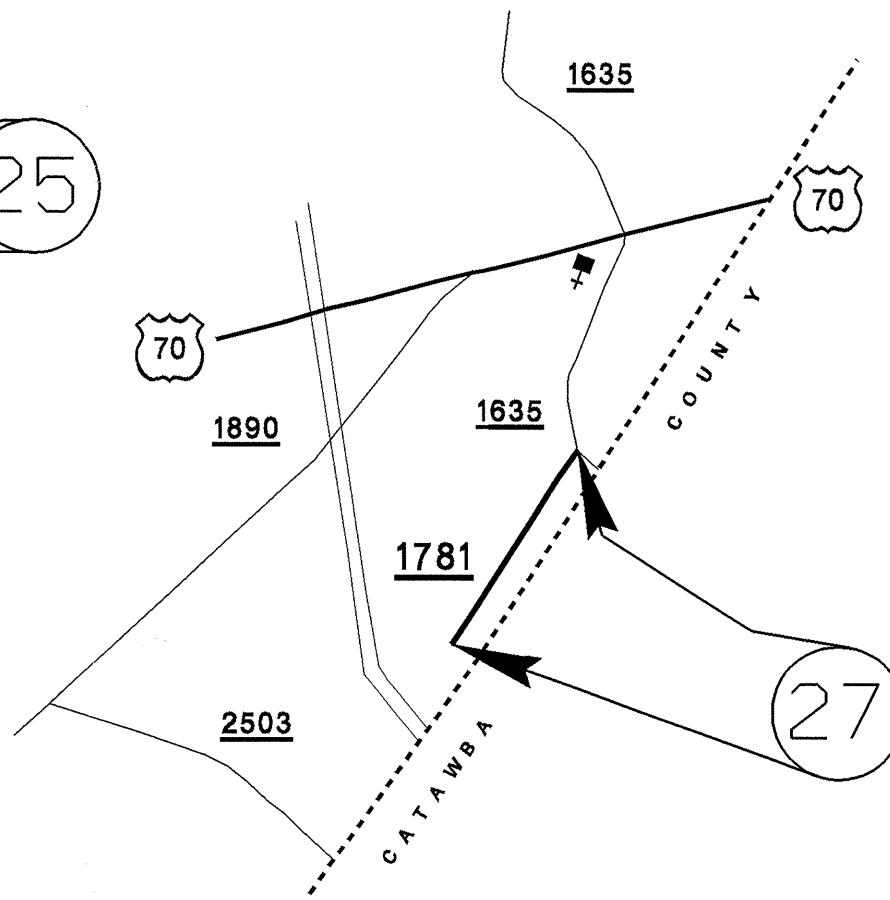
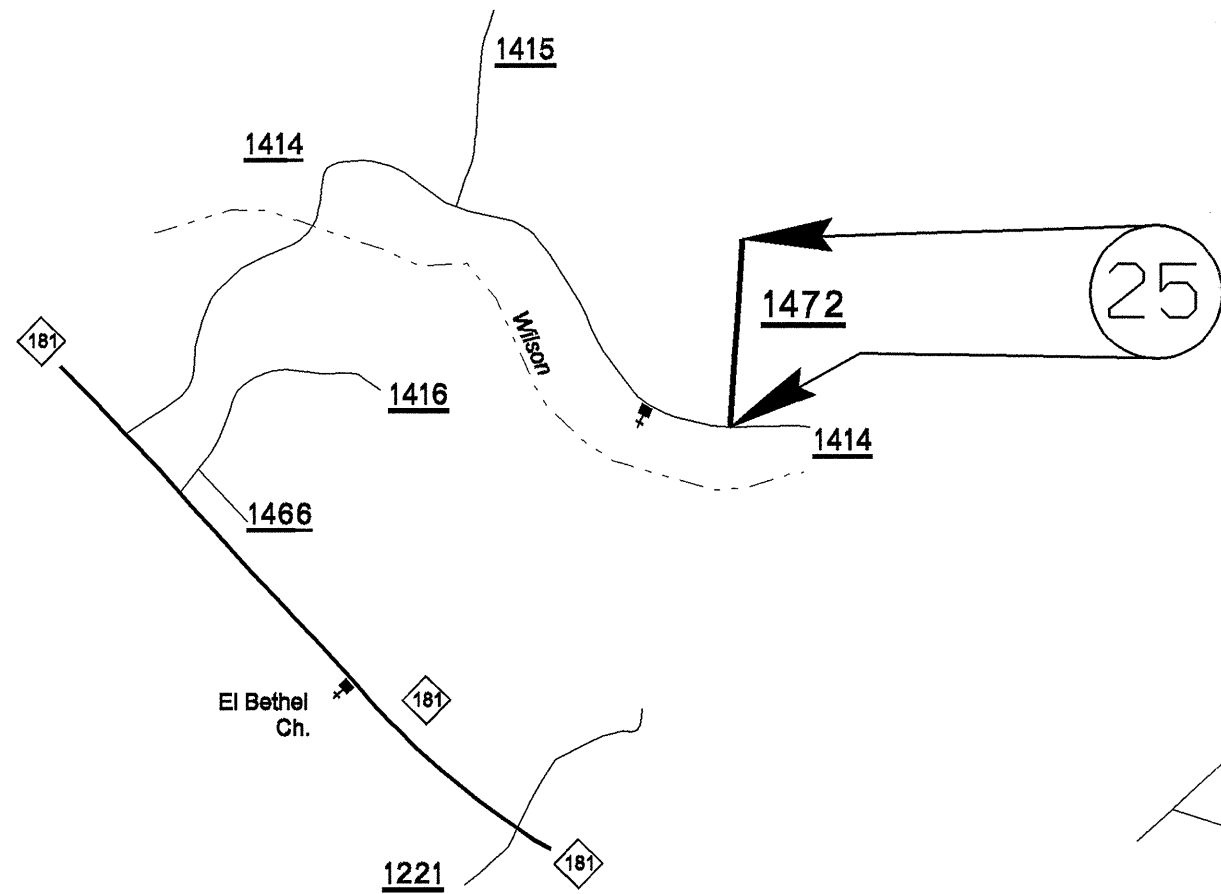
BURKE COUNTY

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.8, 13CR.20121.8 13C.012119, ETC.	5	



BURKE COUNTY

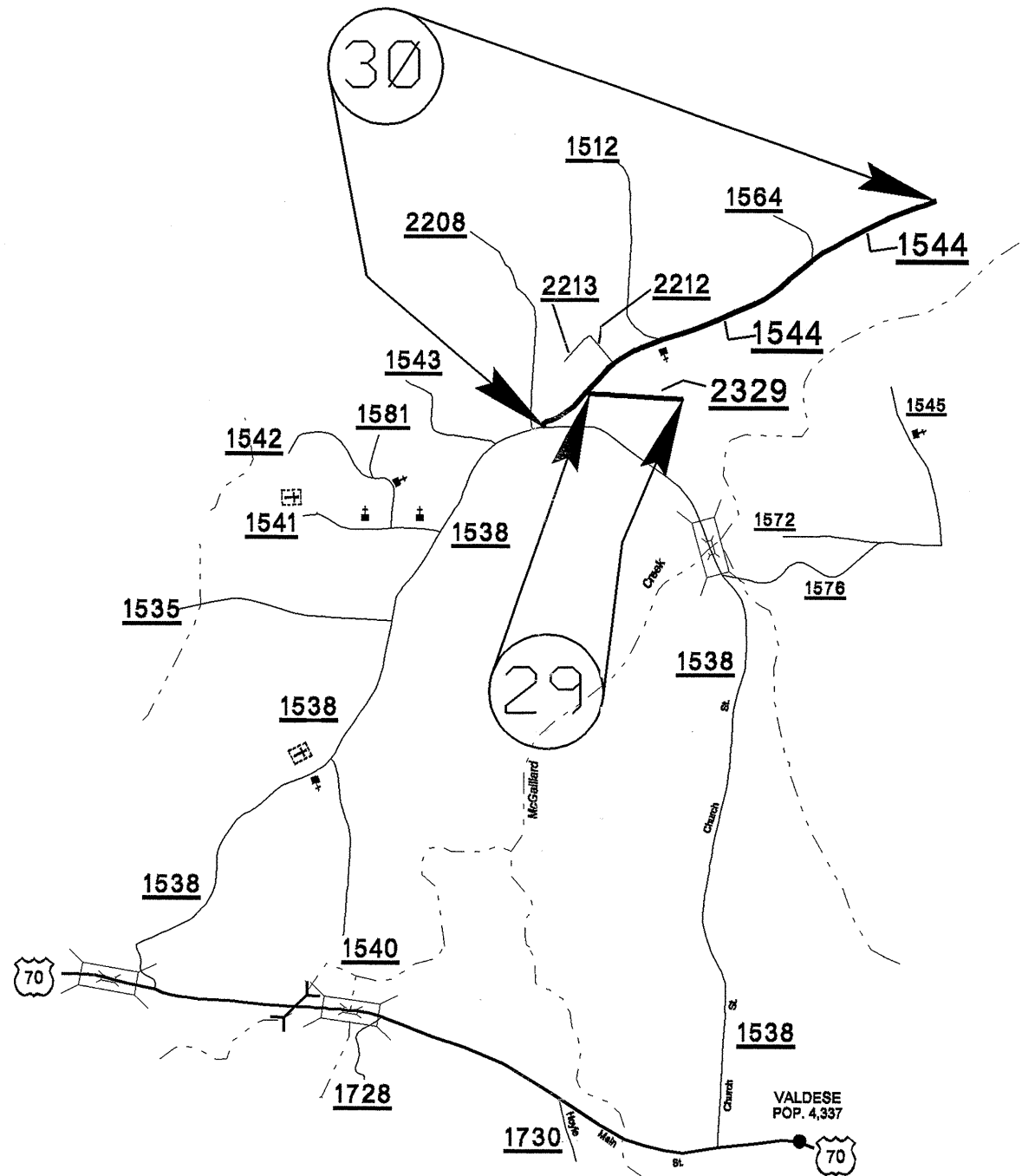
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13CR.10121.8, 13CR.20121.8 13C.012119, ETC.	6	



BURKE COUNTY

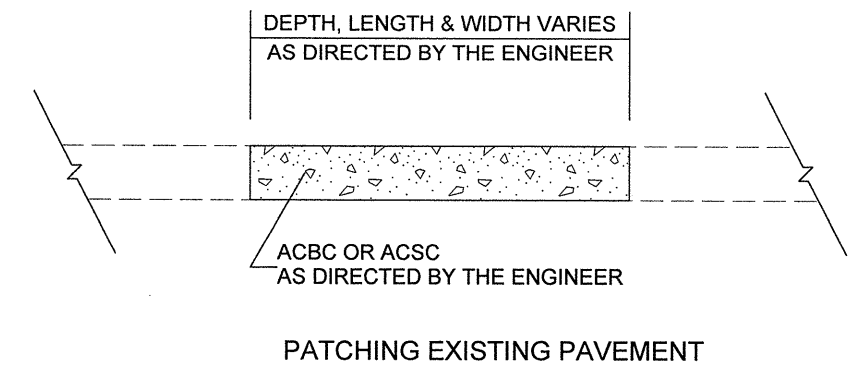
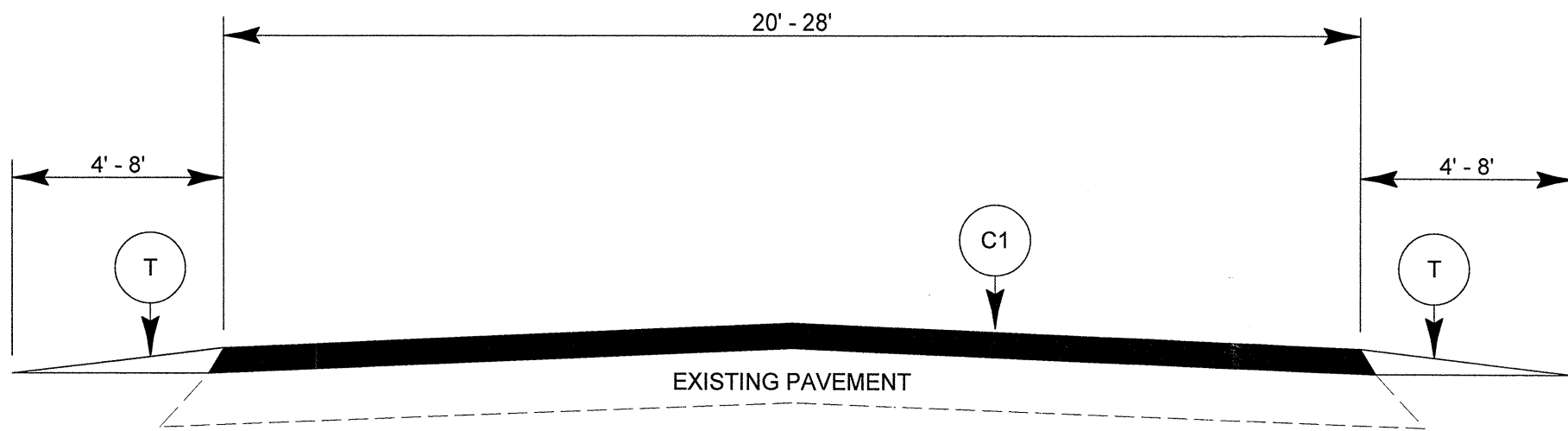


PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.8, 13CR.20121.8 13C.012119, ETC.	7	

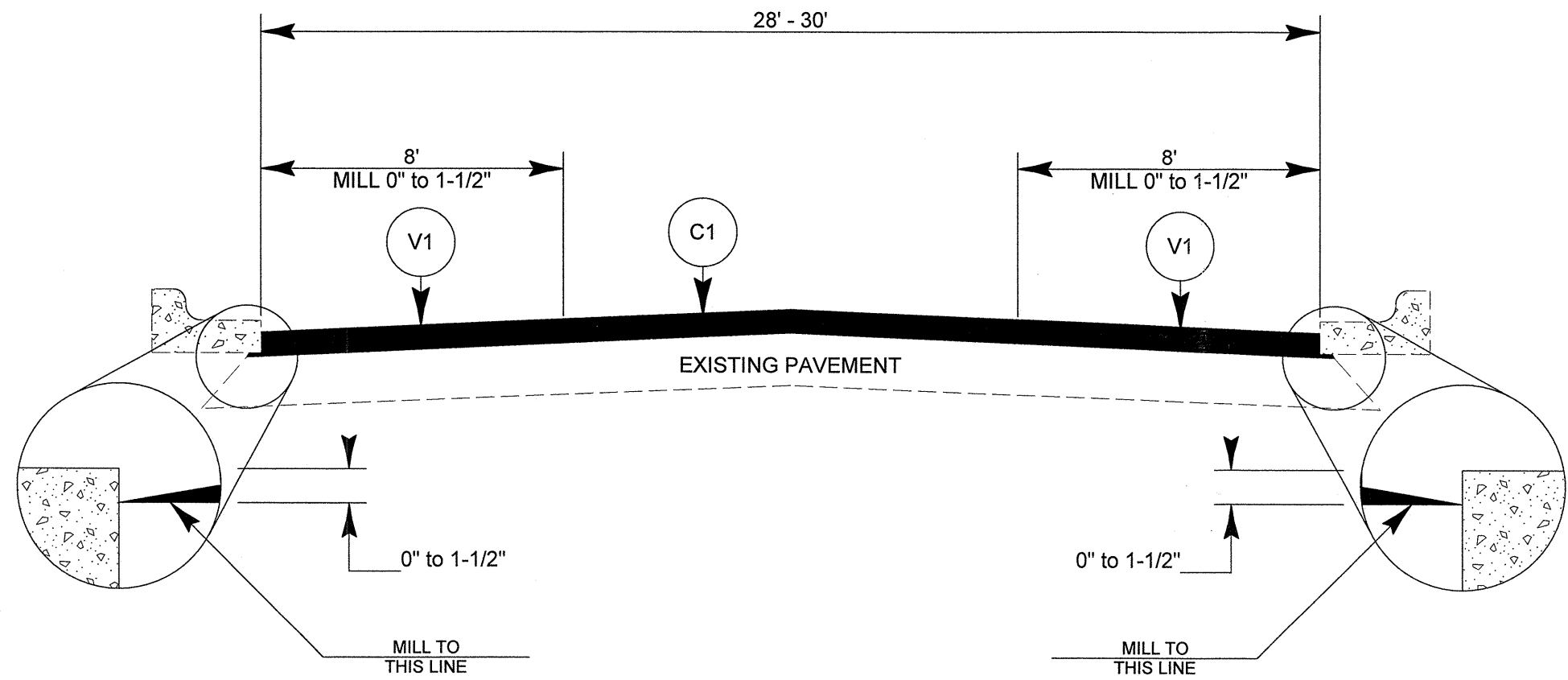


BURKE COUNTY

PROJECT NO. 13CR.10121.8, 13CR.20121.8, 13C.012119, ETC.	SHEET NO. 8	TOTAL SHEETS
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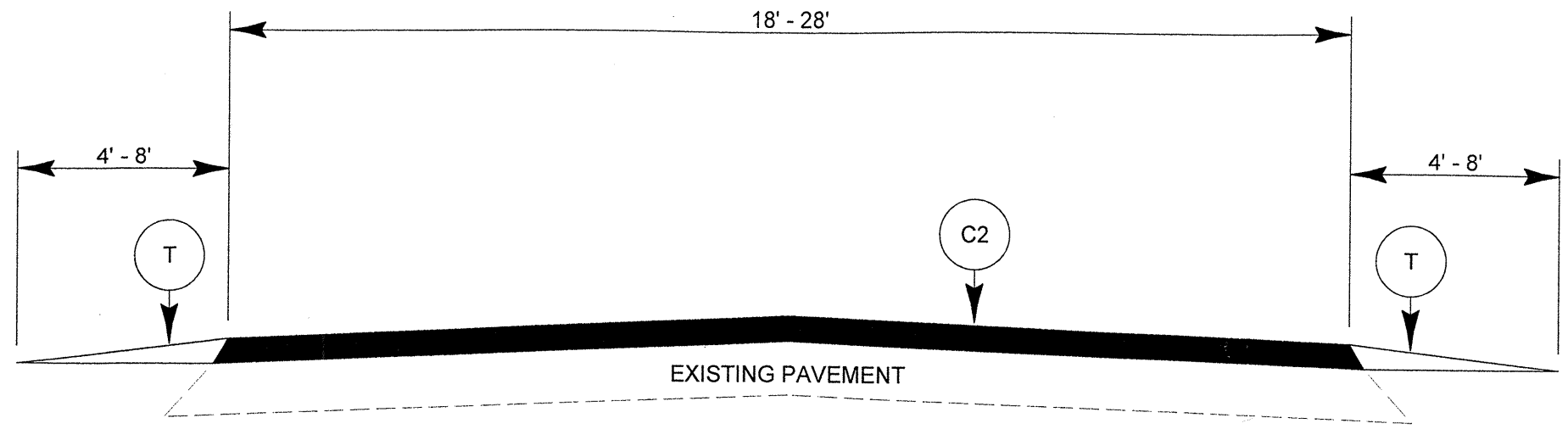
TYPICAL SECTION NO. 1



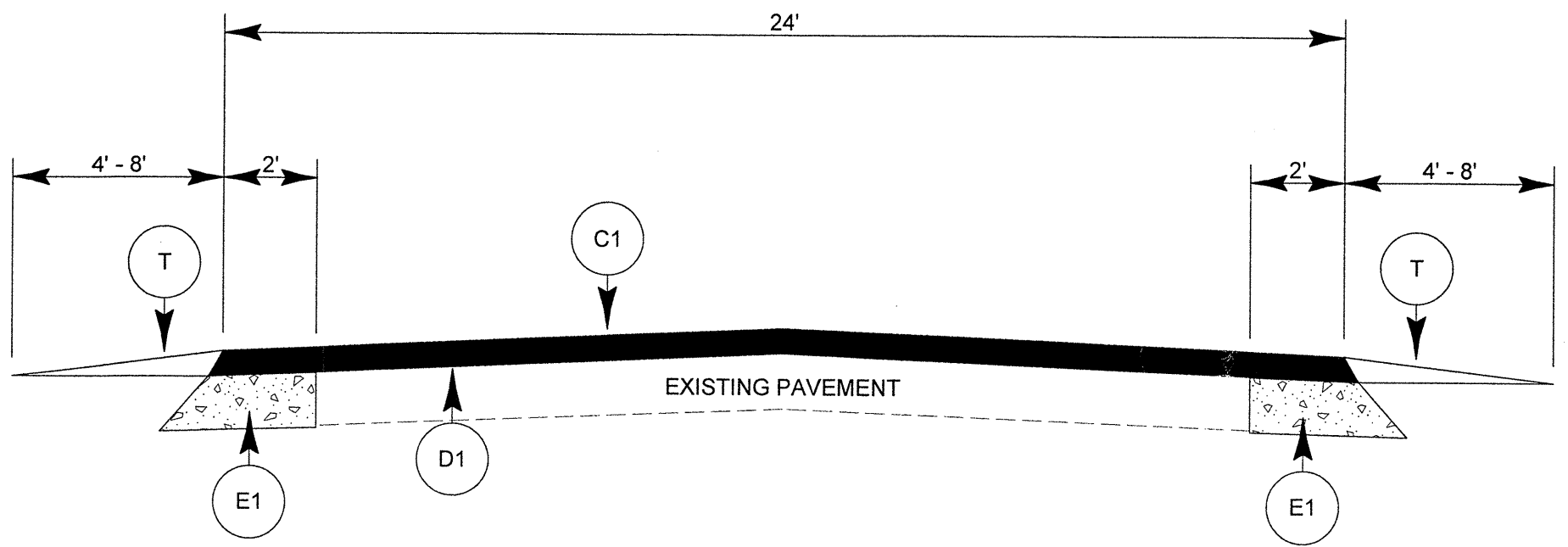
TYPICAL SECTION NO. 2

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	PROP. APPROX. 1" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS PER SQ. YD.
D1	PROP. APPROX. 2-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	PROP. APPROX. 6" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
T	EARTH MATERIAL
V1	MILLING ASPHALT PAVEMENT, 0" TO 1-1/2" DEPTH

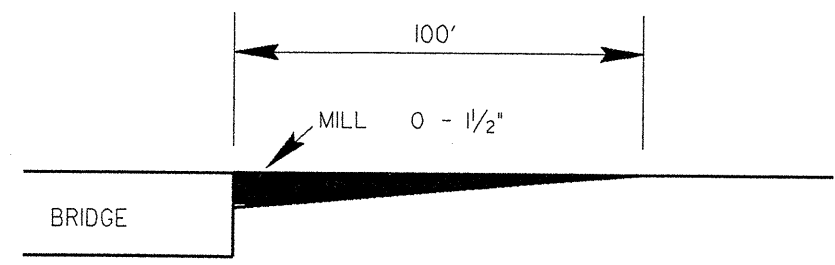
PROJECT NO. 13CR.10121.8, 13CR.20121.8, 13C.012119, ETC.	SHEET NO. 9	TOTAL SHEETS
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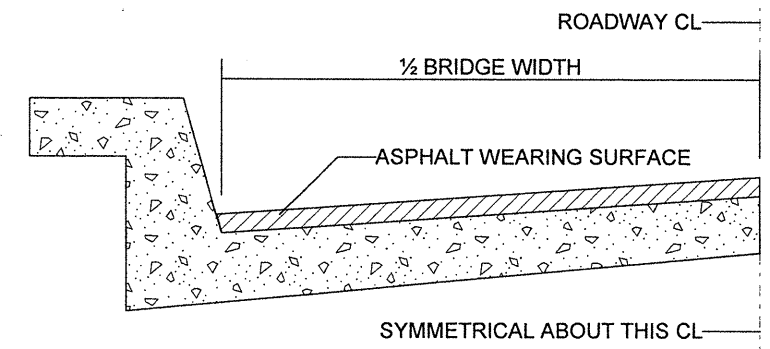
TYPICAL SECTION NO. 3



TYPICAL SECTION NO. 4



MILLING DETAIL AT BRIDGE APPROACHES
WHERE BRIDGE WILL NOT BE RESURFACED
COST OF MILLING IS INCIDENTAL TO OTHER ITEMS

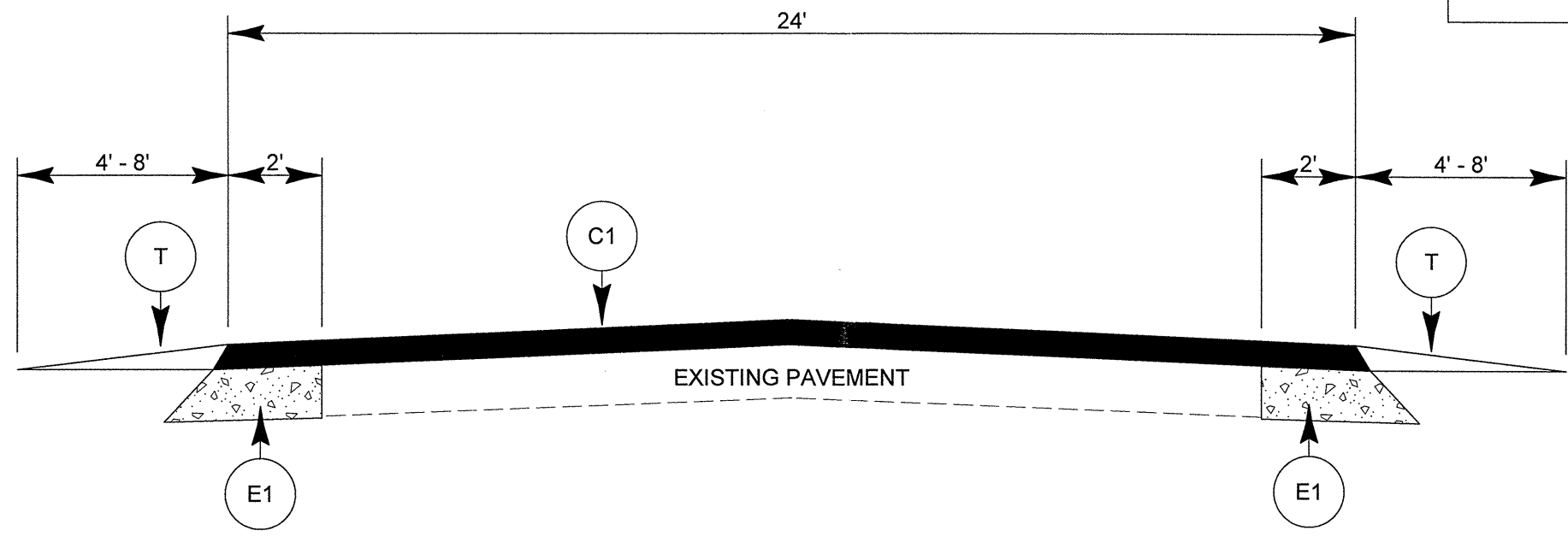


BRIDGE HALF TYPICAL SECTION
FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN

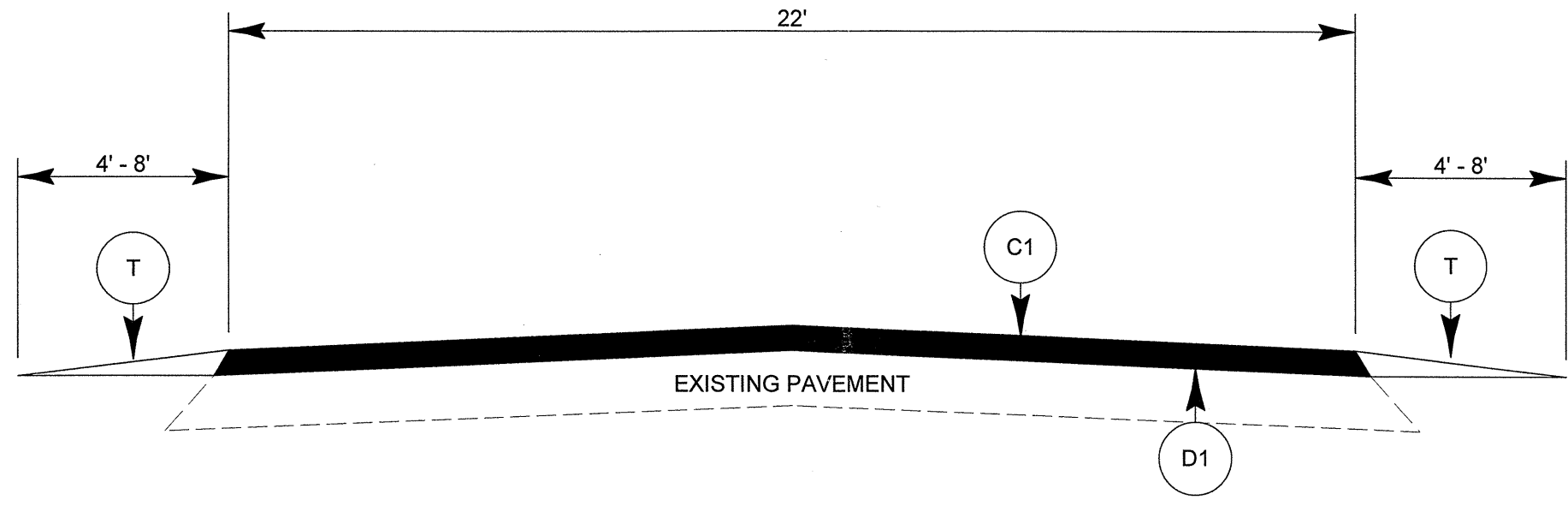
THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. THE MINIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1/2", SF9.5A 1.0", S9.5X 1.5", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 3/4", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 1/2". 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 3/4", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 1/2".

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. 13CR.10121.8, 13CR.20121.8, 13C.012119, ETC.	SHEET NO. <i>10</i>	TOTAL SHEETS
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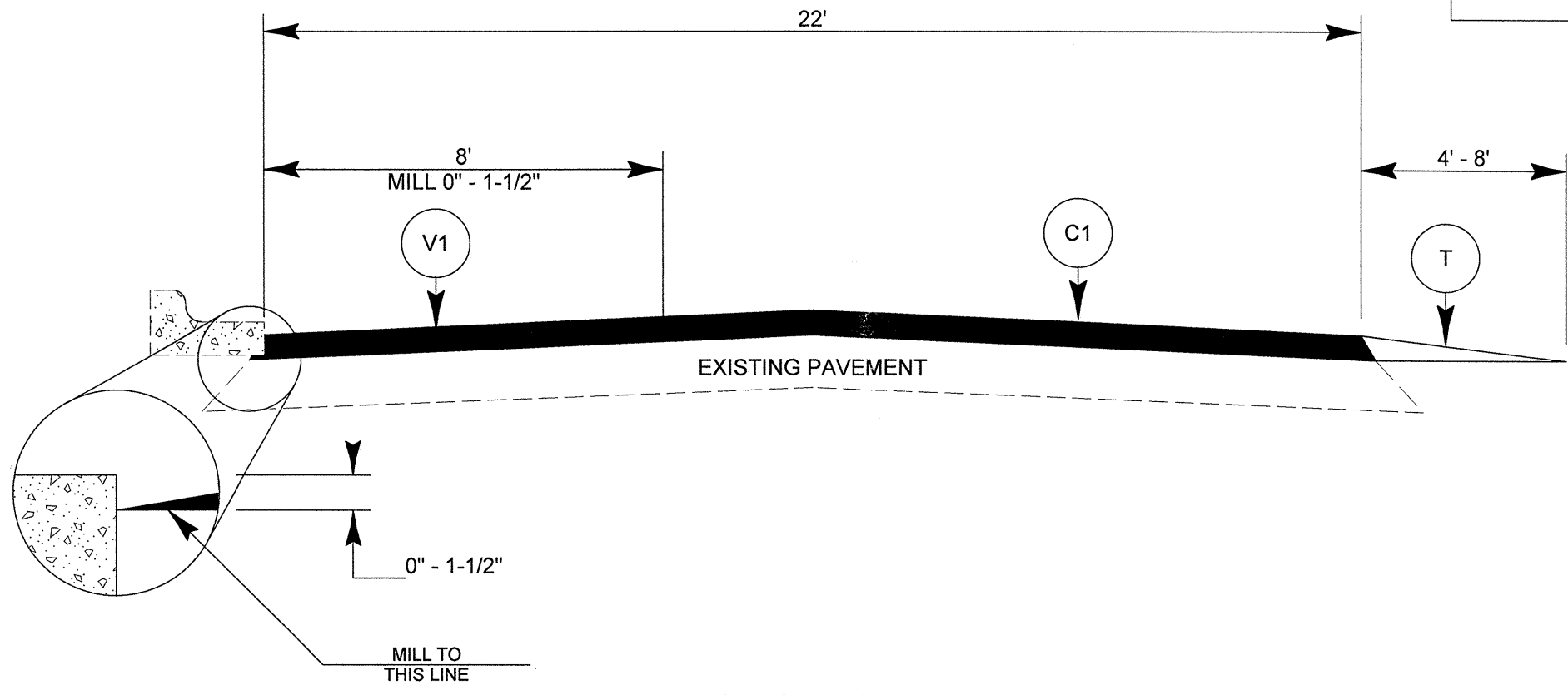


TYPICAL SECTION NO. 5

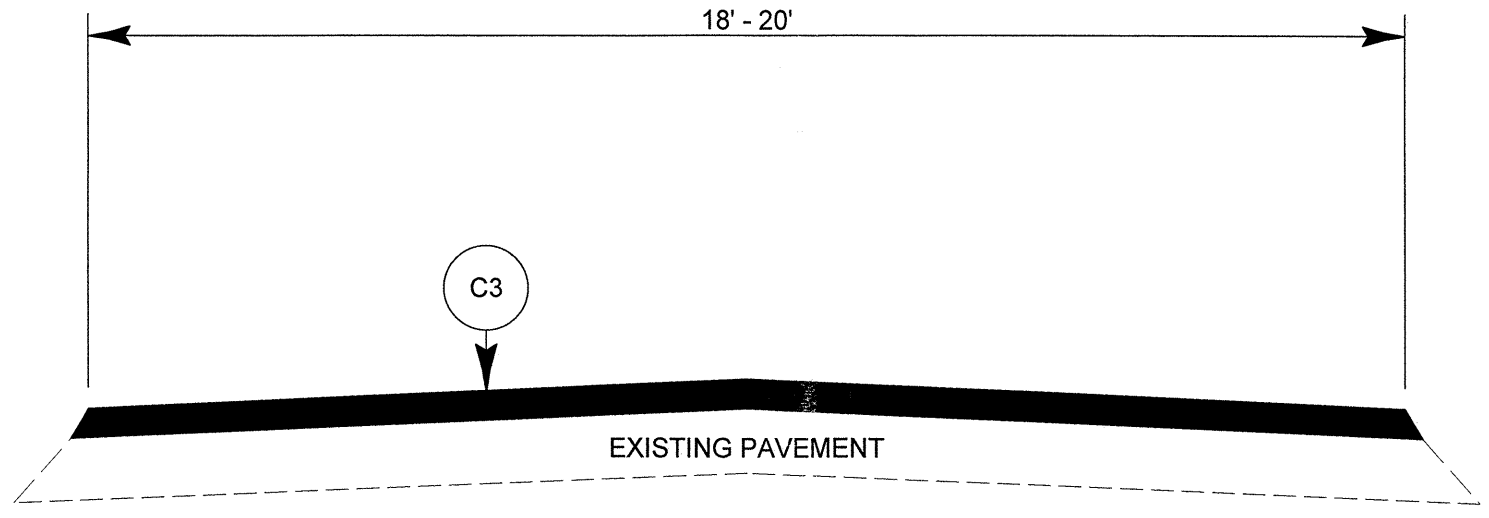


TYPICAL SECTION NO. 6

PROJECT NO.	SHEET NO.	TOTAL SHEETS
13CR.10121.8, 13CR.20121.8, 13C.012119, ETC.	11	



TYPICAL SECTION NO. 7



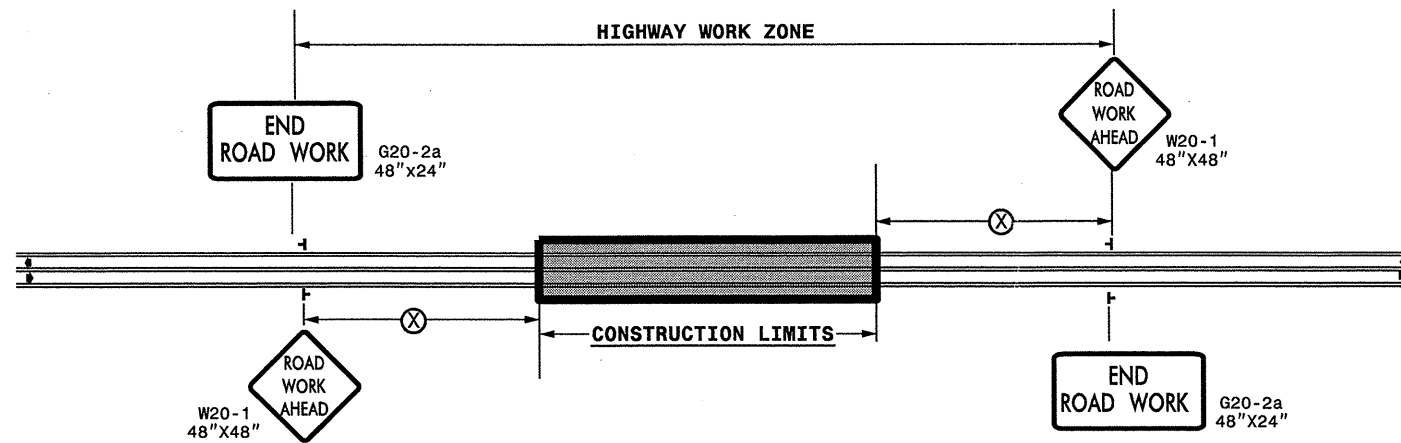
TYPICAL SECTION NO. 8

PROJECT NO.	SHEET NO.	TOTAL NO.
13CR.10121.8, etc.	13	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	468500000-E	468600000-E	469700000-E	471000000-E	472100000-E	472500000-E	481000000-E	483500000-E	484500000-N					
					THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS) WHITE	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS) YELLOW	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS) WHITE	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS) WHITE	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS) WHITE	THERMOPLASTIC PAVEMENT MARKING LINES (24" X 120 MILS) WHITE	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS, SCHOOL)	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS, LT ARROW)	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS, RT ARROW)	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS, STR ARROW)	PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW	PAINT PAVEMENT MARKING LINES (24") WHITE	PAINT PAVEMENT MARKING SYMBOL (LT ARROW)
NO					LF	LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	EA	EA
13CR.10121.8	Burke	1	NC 183	FROM NC 181 TO MCDOWELL COUNTY LINE	43,190	43,190												
		2	US 64	FROM NC 181 TO NC 18/US 64	16,685	16,685		124		1	5	3	2					
		3	US 64 BUS W	FROM N. KING STREET TO 3 LANE			264	580										
TOTAL FOR PROJ NO. 13CR.10121.8					59,875	59,875	264	580	124	1	7	3	2					
						60,139			164			12						
13CR.20121.8	Burke	4	SR 1102	FROM US 64 TO BRIDGE NO. 369										10,138	10,138		1	1
		5	SR 2338	FROM SR 1653 TO CUL-DE-SAC														
		6	SR 2341	FROM SR 2338 TO CUL-DE-SAC														
		7	SR 1268	FROM NC 181 TO NC 183										27,878	27,878			
		8	SR 1414	FROM NC 181 TO NC 181										52,589	52,589	75		
		9	SR 1418	FROM NC 181 TO SR 1485										6,547	6,547			
		10	SR 1536	FROM SR 1535 TO NEW PAVEMENT										19,008	19,008			
		11	SR 2035	FROM US 64 TO CUL-DE-SAC														
		12	SR 2036	FROM SR 2035 TO CUL-DE-SAC														
		13	SR 1744	FROM NEW PAVEMENT TO SR 1001										14,784	14,784			
TOTAL FOR PROJ NO. 13CR.20121.8														130,944	130,944	75	1	1
														261,888				2
13C.012119	Burke	14	SR 1129	FROM MCDOWELL COUNTY LINE TO SR 1133										46,464	46,464			
		15	SR 1129	FROM SR 1133 TO US 70										50,054	50,054			
TOTAL FOR PROJ NO. 13C.012119														96,518	96,518			
														193,036				
13C.012137	Burke	16	SR 1223	FROM BRIDGE NO. 45 TO SR 1225										35,693	35,693			
		17	SR 1223	FROM SR 1225 TO SR 1319										9,082	9,082			
TOTAL FOR PROJ NO. 13C.012137														44,775	44,775			
														89,550				
13SP.20124.72	Burke	18	SR 2339	FROM SR 2338 TO SR 2340														
TOTAL FOR PROJ NO. 13SP.20124.72																		
13SP.20124.73	Burke	19	SR 2340	FROM SR 2339 TO CUL-DE-SAC														
TOTAL FOR PROJ NO. 13SP.20124.73																		
13SP.20124.74	Burke	20	SR 2306	FROM SR 1621 TO E.O.M.														
TOTAL FOR PROJ NO. 13SP.20124.74																		
13SP.20124.75	Burke	21	SR 1697	FROM SR 1621 TO E.O.M.														
TOTAL FOR PROJ NO. 13SP.20124.75																		
13SP.20124.76	Burke	22	SR 1344	FROM SR 1129 TO E.O.M.														
TOTAL FOR PROJ NO. 13SP.20124.76																		
13SP.20124.77	Burke	23	SR 1345	FROM SR 1344 TO E.O.M.														
TOTAL FOR PROJ NO. 13SP.20124.77																		
13SP.20124.78	Burke	24	SR 2520	FROM MONTAYA DR. TO E.O.M.														
TOTAL FOR PROJ NO. 13SP.20124.78																		
13SP.20124.79	Burke	25	SR 1472	FROM SR 1414 TO E.O.M.														
TOTAL FOR PROJ NO. 13SP.20124.79																		
13SP.20124.80	Burke	26	SR 1806	FROM 1803 TO E.O.M.														
TOTAL FOR PROJ NO. 13SP.20124.80																		
13SP.20124.81	Burke	27	SR 1781	FROM SR 1635 TO E.O.M.														
TOTAL FOR PROJ NO. 13SP.20124.81																		
13SP.20124.82	Burke	28	SR 1717	FROM US 70 TO E.O.M.														
TOTAL FOR PROJ NO. 13SP.20124.82																		
13SP.20124.83	Burke	29	SR 2329	FROM SR 1544 TO DEAD END														
TOTAL FOR PROJ NO. 13SP.20124.83																		
13SP.20124.84	Burke	30	SR 1544	FROM SR 1538 TO DEAD END										21,542	21,542			
TOTAL FOR PROJ NO. 13SP.20124.84														21,542	21,542			
														43,084				
GRAND TOTAL					59,875	59,875	264	580	124	1	7	3	2	293,779	293,779	75	1	1
						60,139			164			12		587,558				2

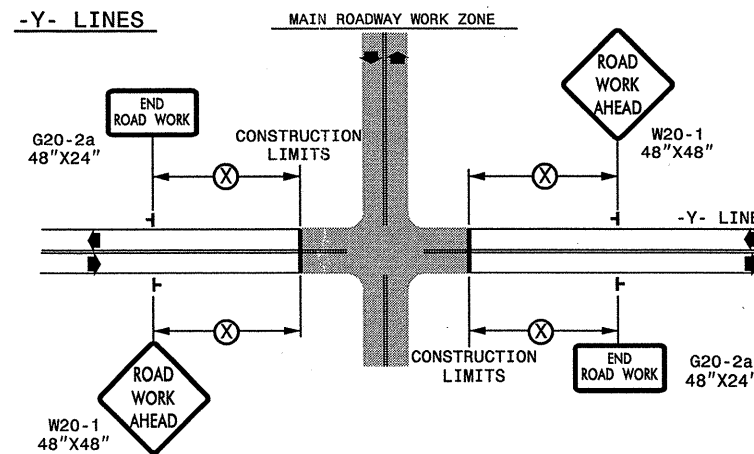
TWO-WAY UNDIVIDED ** (L-LINES)



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)



GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.
- ** 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

- ┆ STATIONARY SIGN
- ◀ DIRECTION OF TRAFFIC FLOW

SHEET 1 OF 1

APPROVED: _____ DATE: _____

SEAL

DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCED 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:		






DETAIL DRAWING FOR
TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

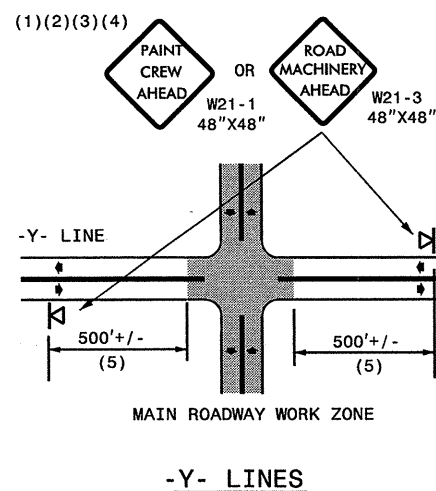
14-DEC-2010 16:37 \\ADOT\DFSROOT\GROUPOPS\WZTCCC\M&S Division\Share\Resurfacing\2010\Western\2010\Div13\C202691A-0-13C-01219x16-Burke_US64m30\C202691A-0-13C-01219etc.m30_2way_undiv.&Urban_Frwys_stationary.dgn

GENERAL NOTES

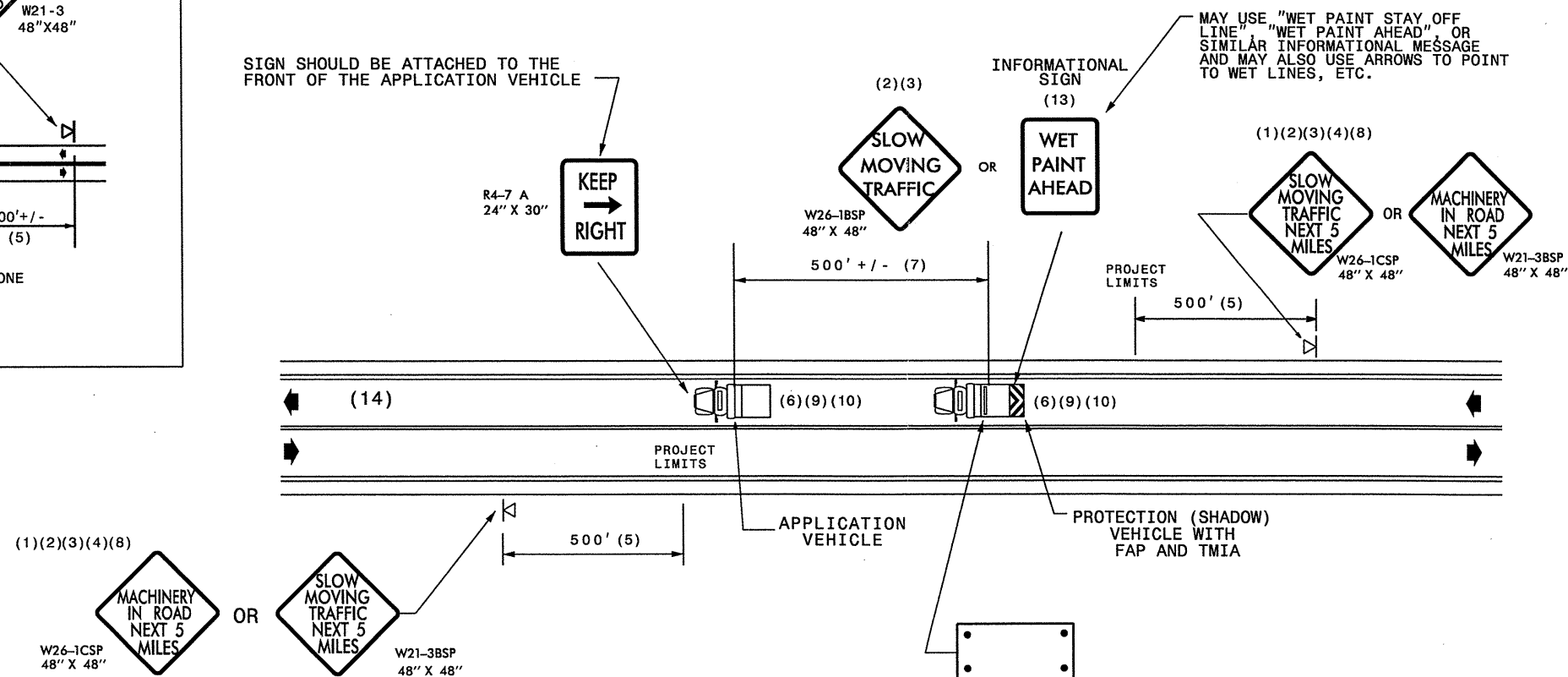
- (1) THE FOLLOWING OPTIONS MAY BE USED FOR ADVANCE WARNING SIGNS:
 - A. TRUCK MOUNTED SIGNS
 - B. TRUCK MOUNTED CHANGEABLE MESSAGE SIGN (CMS)
 - C. GROUND MOUNTED ADVANCE WARNING SIGNS (MUST CIRCLE TO PICK UP SIGNS)
 - D. GROUND MOUNTED CHANGEABLE MESSAGE SIGN (CMS) (MUST USE CIRCLE TO PICK UP SIGNS)
- (2) ALL ADVANCE WARNING SIGNS MUST BE 48" X 48" WITH FLUORESCENT ORANGE TYPE VII, VIII OR IX SHEETING. IF SPACE LIMITATIONS ON SHOULDER PROHIBIT A 48" X 48" SIGN, A SMALLER SIGN CAN BE USED WITH APPROVAL FROM ENGINEER.
- (3) SIGNS ON VEHICLES SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND AND SHOULD NOT BLOCK THE MOTORIST'S SIGHT OF THE FLASHING ARROW PANEL AND/OR LIGHTBAR.
- (4) GROUND MOUNTED ADVANCED WARNING SIGNS SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND TO BOTTOM OF SIGN.
- (5) SIGN SPACING SHOULD BE ADJUSTED FOR HORIZONTAL AND VERTICAL CURVES, ETC. TO IMPROVE SIGHT DISTANCES.
- (6) ADDITIONAL VEHICLES SHOULD BE USED IN WORK CARAVAN TO FACILITATE DRYING OF PAVEMENT MARKING MATERIAL (TMIA'S ARE OPTIONAL ON THESE ADDITIONAL VEHICLES). HOWEVER, THE FIRST VEHICLE MOTORISTS SEE IN THE TRAVEL LANE SHALL HAVE A TMIA.
- (7) ADJUST DISTANCE AS NEEDED TO PREVENT MOTORISTS FROM ENTERING SPACE BETWEEN THE APPLICATION AND PROTECTION VEHICLE. DISTANCE CAN BE LENGTHENED TO ACCOMMODATE SIGHT DISTANCE NEEDS.
- (8) ROUND UP MILEAGE TO NEXT WHOLE MILE. WORK ZONE SHOULD NOT EXCEED FIVE (5) MILES IN LENGTH.
- (9) RADIO COMMUNICATION BETWEEN VEHICLES IS REQUIRED.
- (10) USE OF A LIGHT BAR ON ALL VEHICLES IS PREFERRED, BUT A ROTATING BEACON MAY BE USED INSTEAD.
- (11) IF WORK IS PERFORMED AT NIGHT, THE WORK AREA MUST BE ILLUMINATED WITH MACHINE AND/OR TOWER LIGHTS AS APPROVED BY THE ENGINEER.
- (12) ALL TRAFFIC CONTROL DEVICES WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS FOR PAVEMENT MARKING AND MARKERS.
- (13) INFORMATIONAL SIGNS SHOULD BE ACTIVITY SPECIFIC, I.E. "PAINT CREW IN ROAD". SIGNS MAY BE RECTANGULAR OR DIAMOND SHAPE. SIGN SIZE SHOULD BE BASED ON THE MOTORIST ABILITY TO RECOGNIZE SIGN WHEN TRAVELING FIVE (5) MILES ABOVE POSTED SPEED LIMIT.
- (14) IF A LEAD VEHICLE IS ADDED TO OPERATION, IT SHOULD HAVE THE SAME ADVANCE WARNING SIGNS AS THE APPLICATION VEHICLE SHOWN BELOW.

LEGEND

-  PORTABLE SIGN. SIGNS MUST BE NCHRP-350 AND NCDOT APPROVED.
-  DIRECTION OF TRAFFIC FLOW
-  APPLICATION VEHICLE WITH LIGHT BAR
-  PROTECTION VEHICLE WITH TRUCK MOUNTED IMPACT ATTENUATOR (TMIA) AND LIGHT BAR (SEE ROADWAY STANDARD NO. 1165.01). TMIA MUST BE NCHRP-350 TEST LEVEL 3 (60+MPH) APPROVED.
-  FLASHING ARROW PANEL, TYPE "B" (60"X30" MIN.), "CAUTION MODE"



SIGN SHOULD BE ATTACHED TO THE FRONT OF THE APPLICATION VEHICLE



MOVING OPERATION CARAVAN
 (OPERATIONS TRAVELING 3 MPH OR FASTER)
 PLACING PAVEMENT MARKING OR MARKERS
 ON TWO-LANE TWO-WAY ROADWAYS

DRAWING NUMBER 6
 IMPLEMENTATION DATE: 07/01/97
 REVISED: 11/03/04