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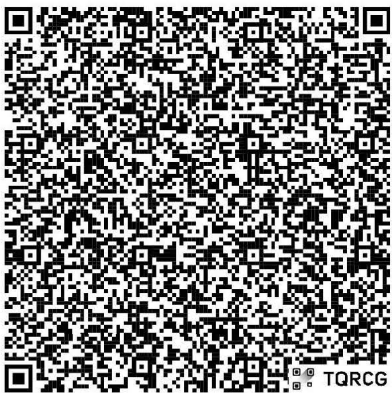
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CHEROKEE COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.02.20201	1	13
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.02.20201		CON	



MAP 1



BEG



END

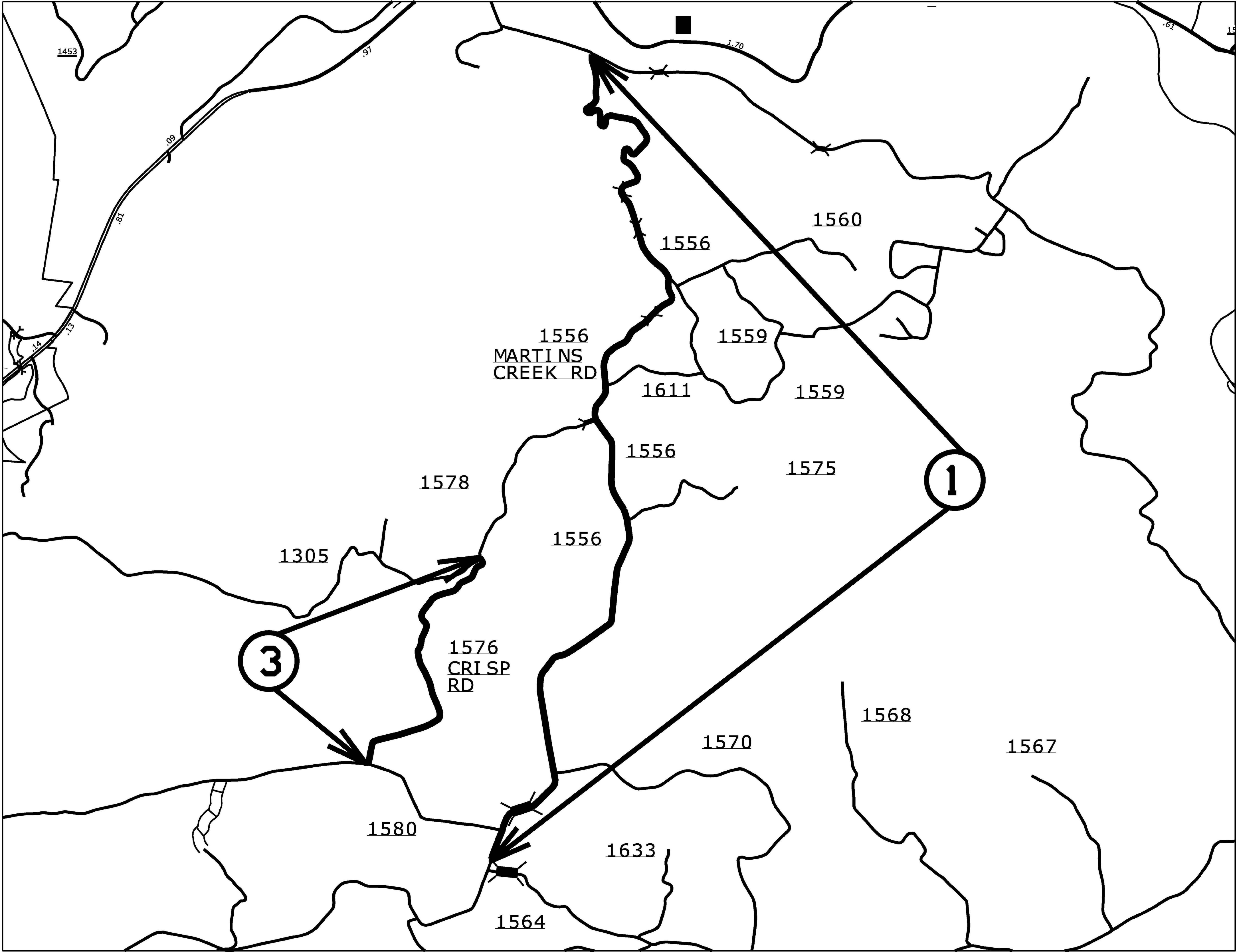
MAP 3



BEG



END



CONTRACT: DN01163

09/08/99

CHEROKEE COUNTY

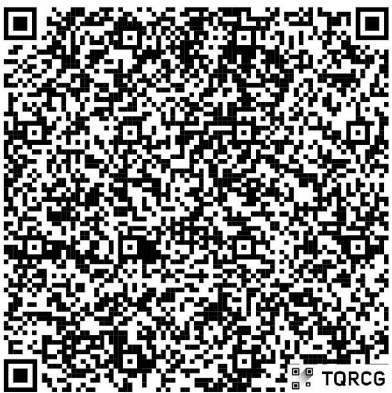
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.02.20201	2	13
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.02.20201		CON	



MAP 2

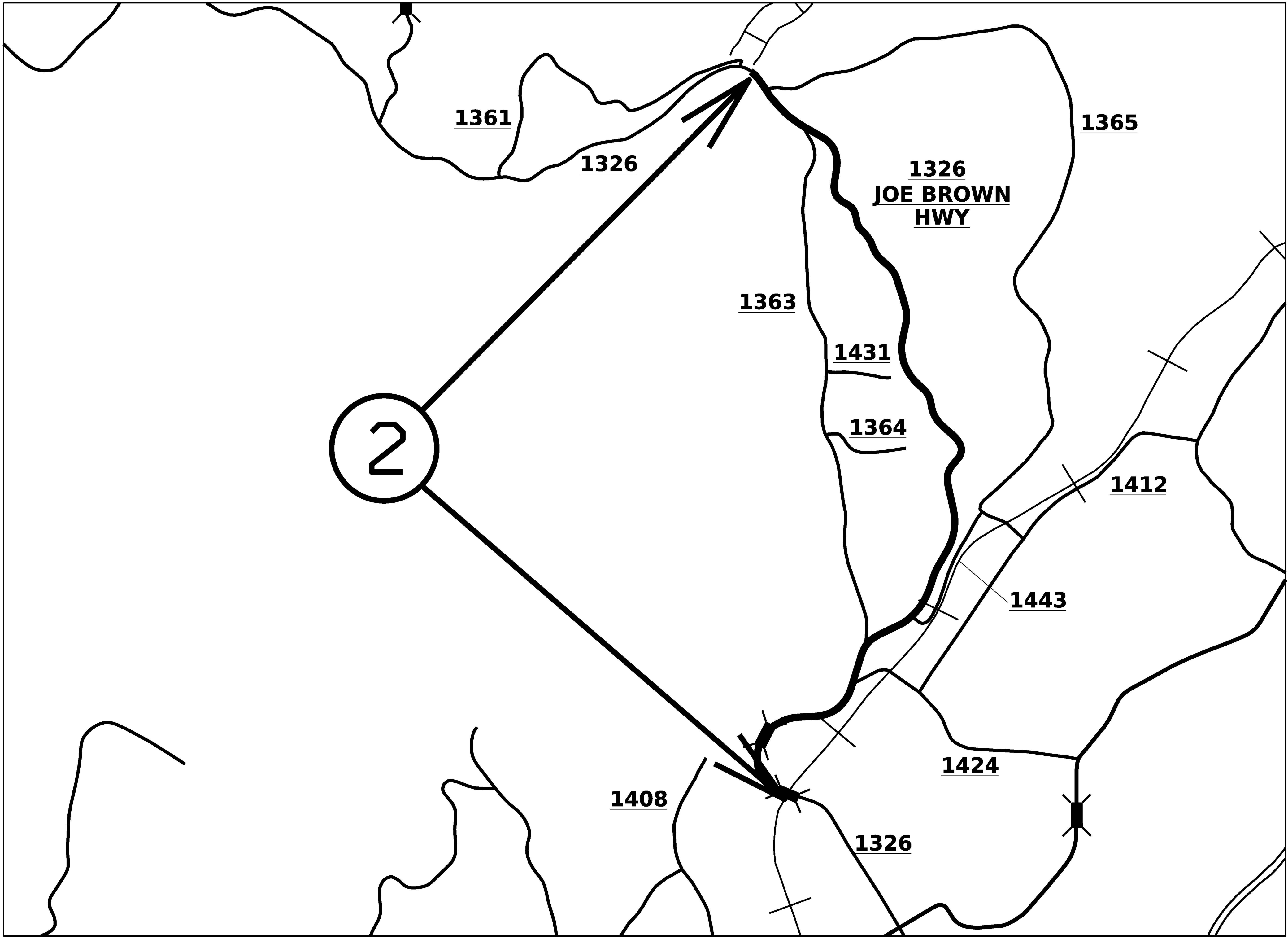


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END

CONTRACT: DN01163

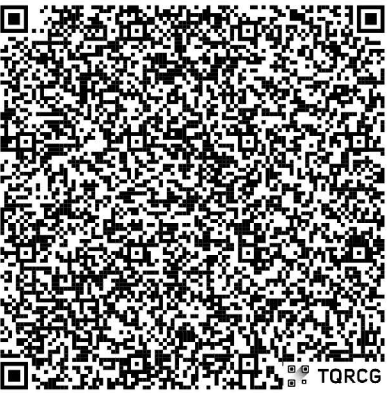


CHEROKEE COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.02.20201	3	13
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.02.20201		CON	



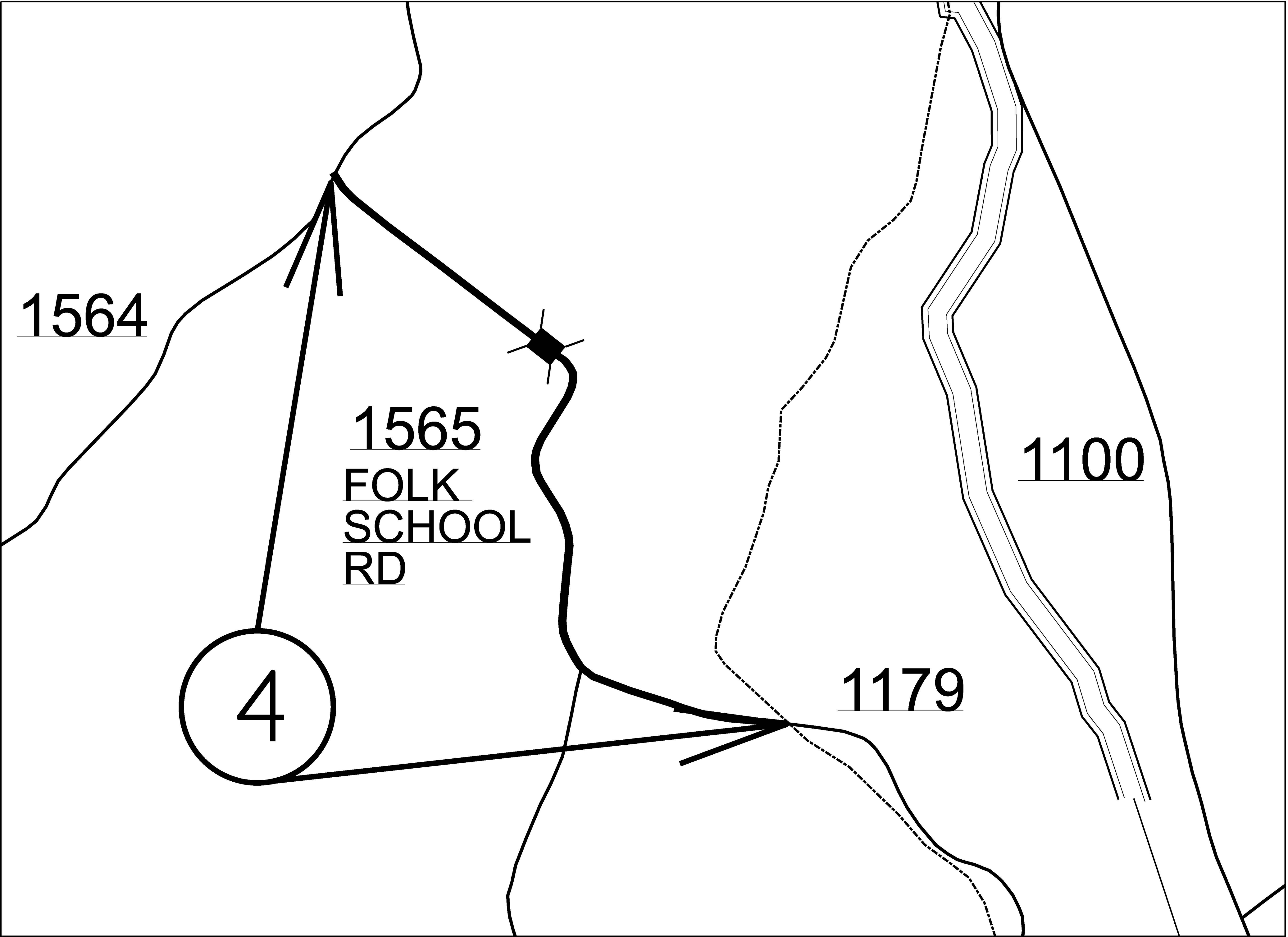
MAP 4



BEG



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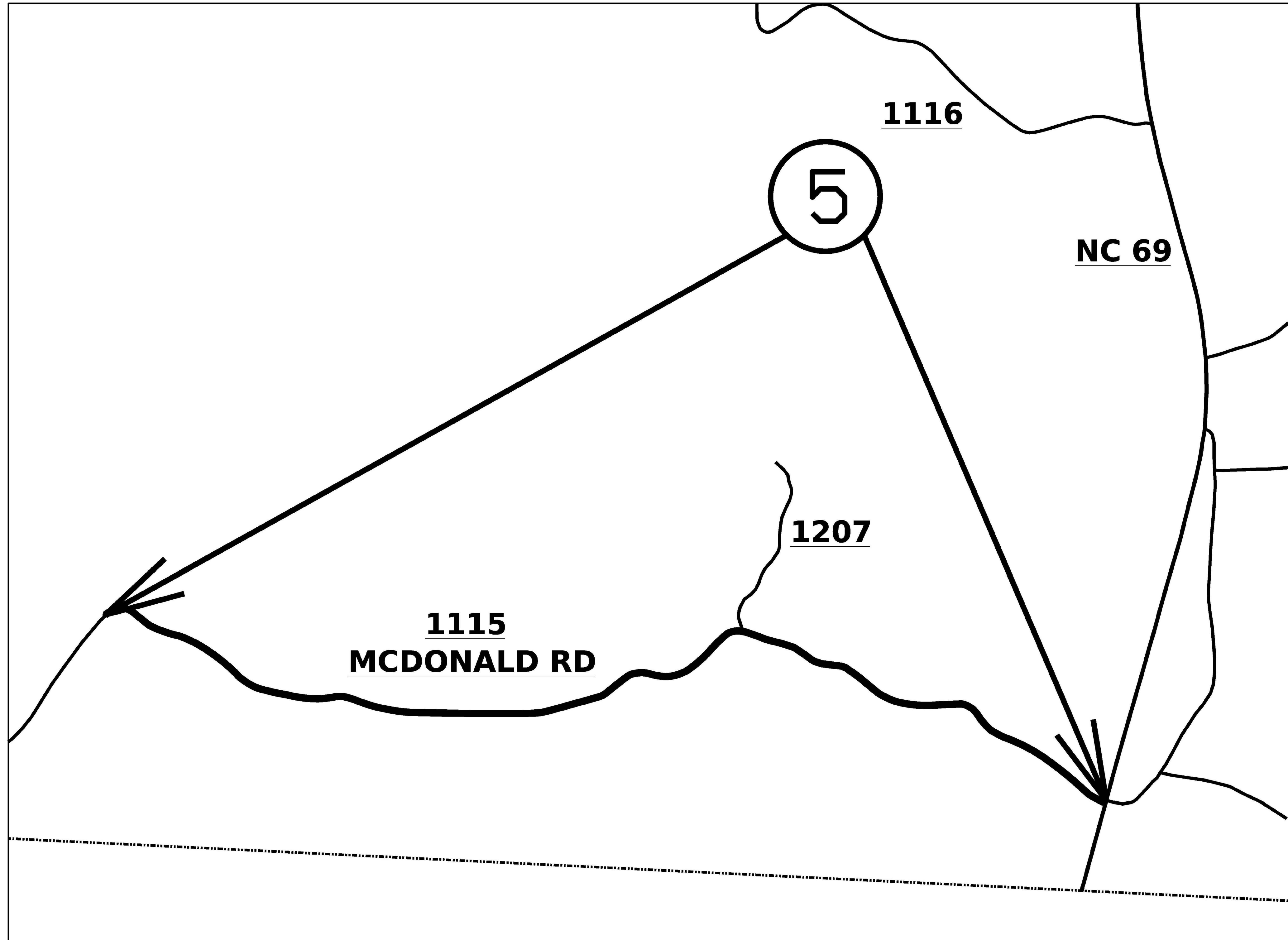
CONTRACT: DN01163

09/08/99

CONTRACT: DN01163

CLAY COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.02.20201	4	13
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.02.20221		CON	



MAP 5



BEG

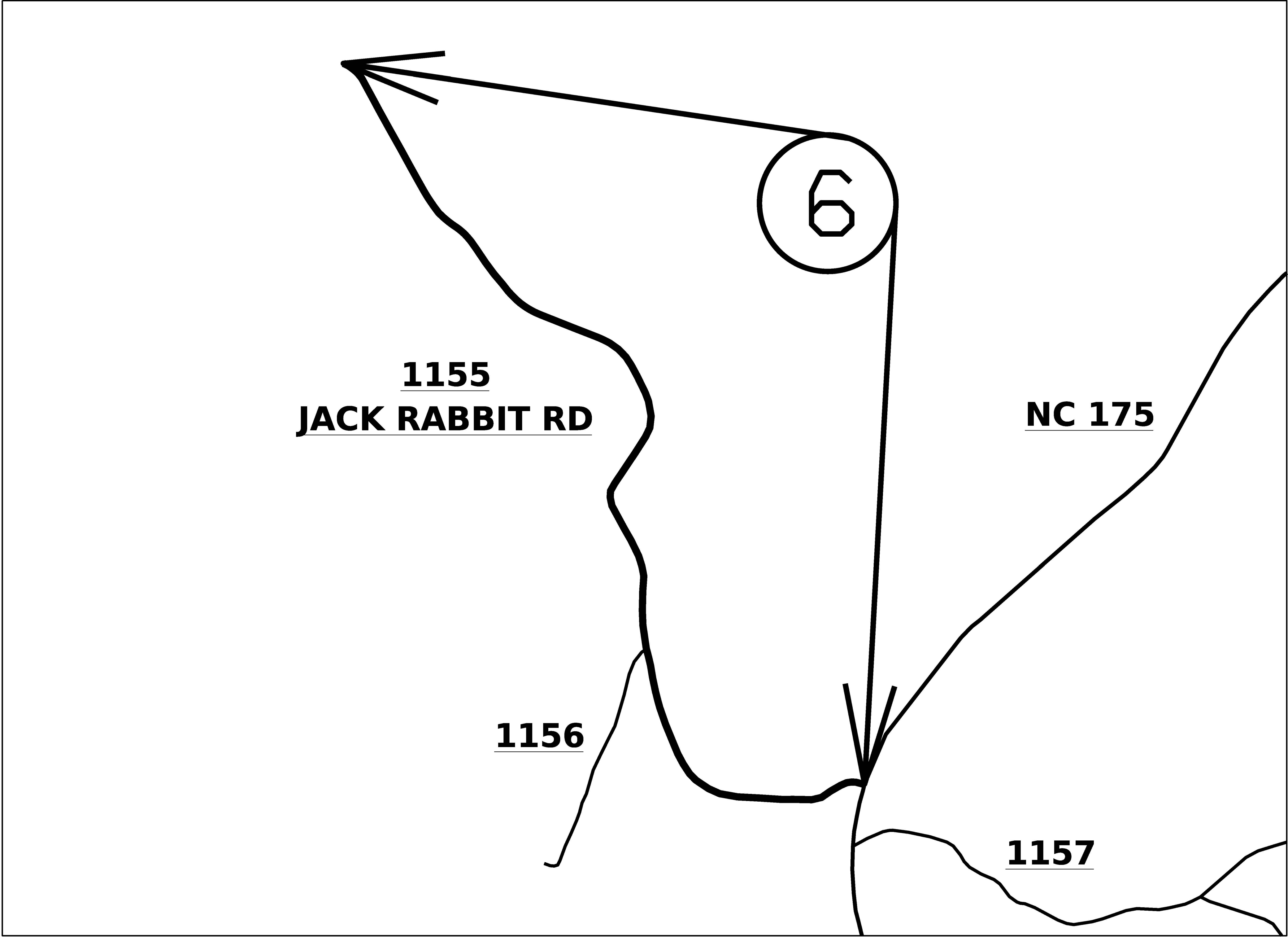


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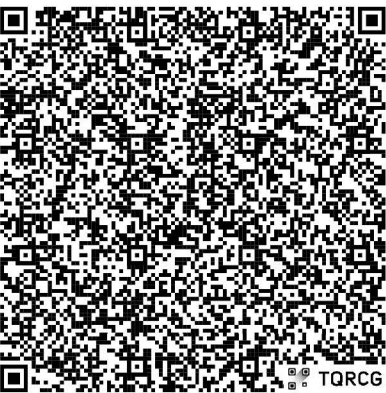
CONTRACT: DN01163

CLAY COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.02.20201	5	13
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.02.20221		CON	



MAP 6



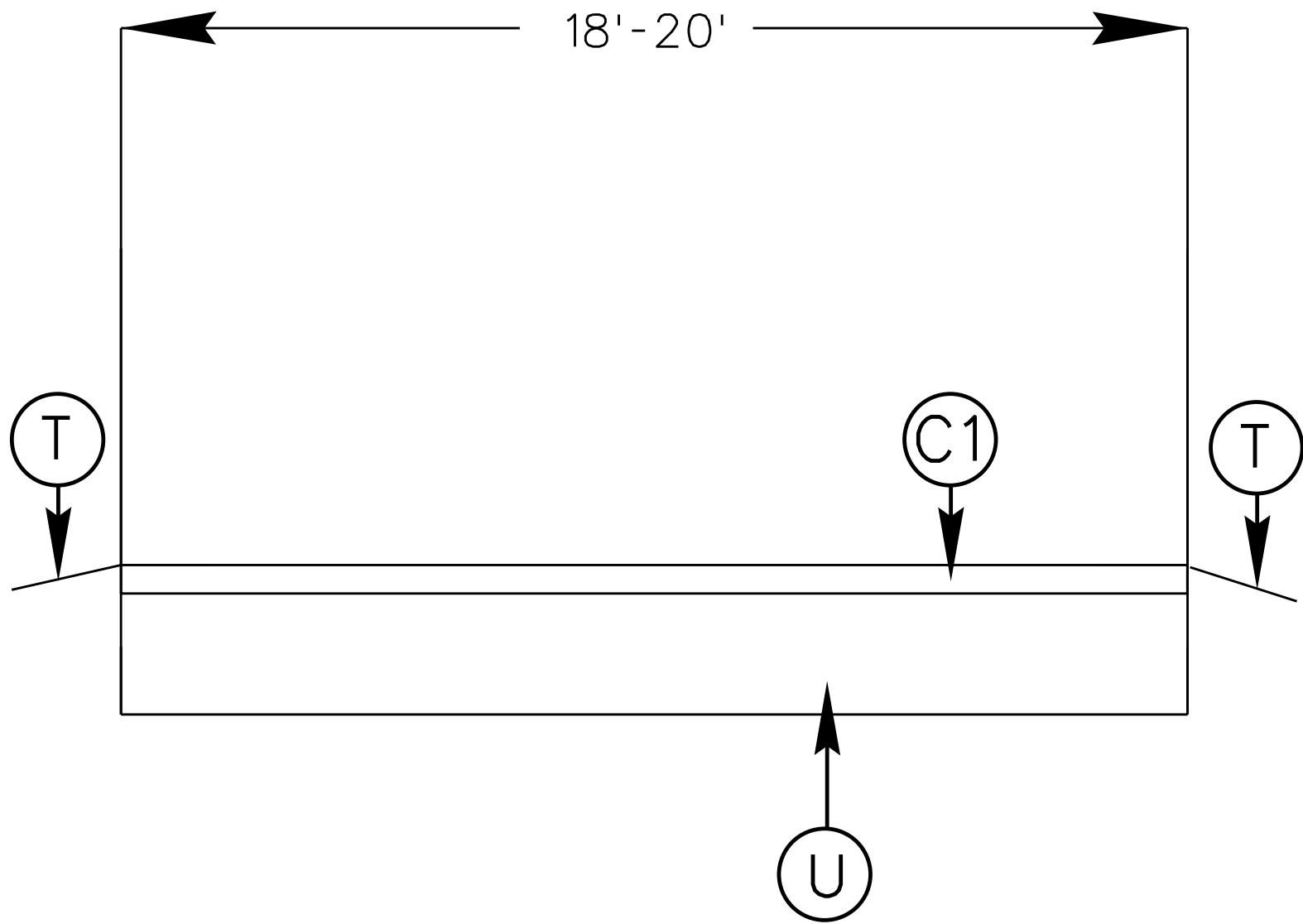
BEG



END

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.02.20201	6	13
STATE PROJ. NO.		F. A. PROJ. NO.	DESCRIPTION
2027CPT.14.02.20201			
2027CPT.14.02.20221			

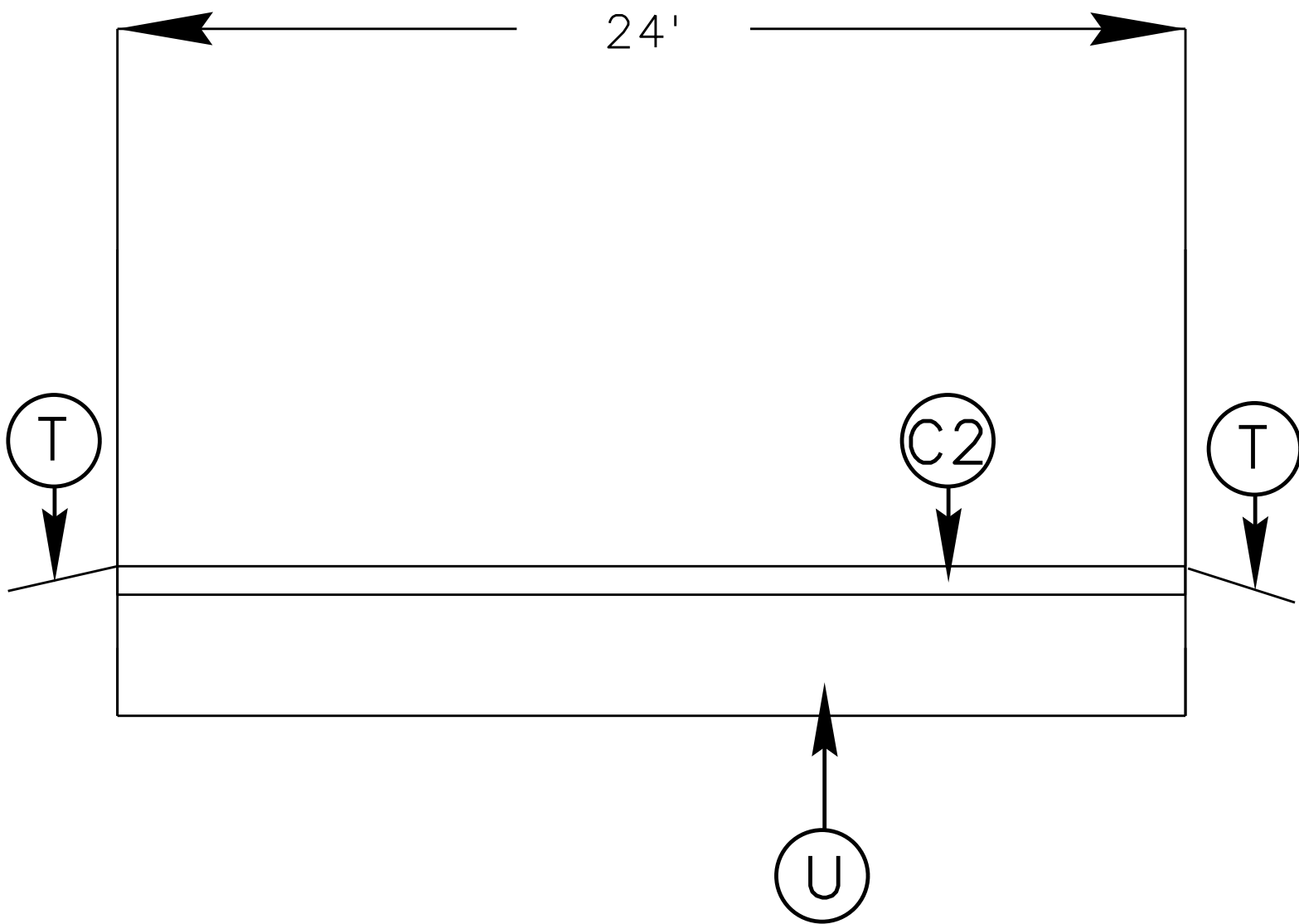
TYPICAL 1



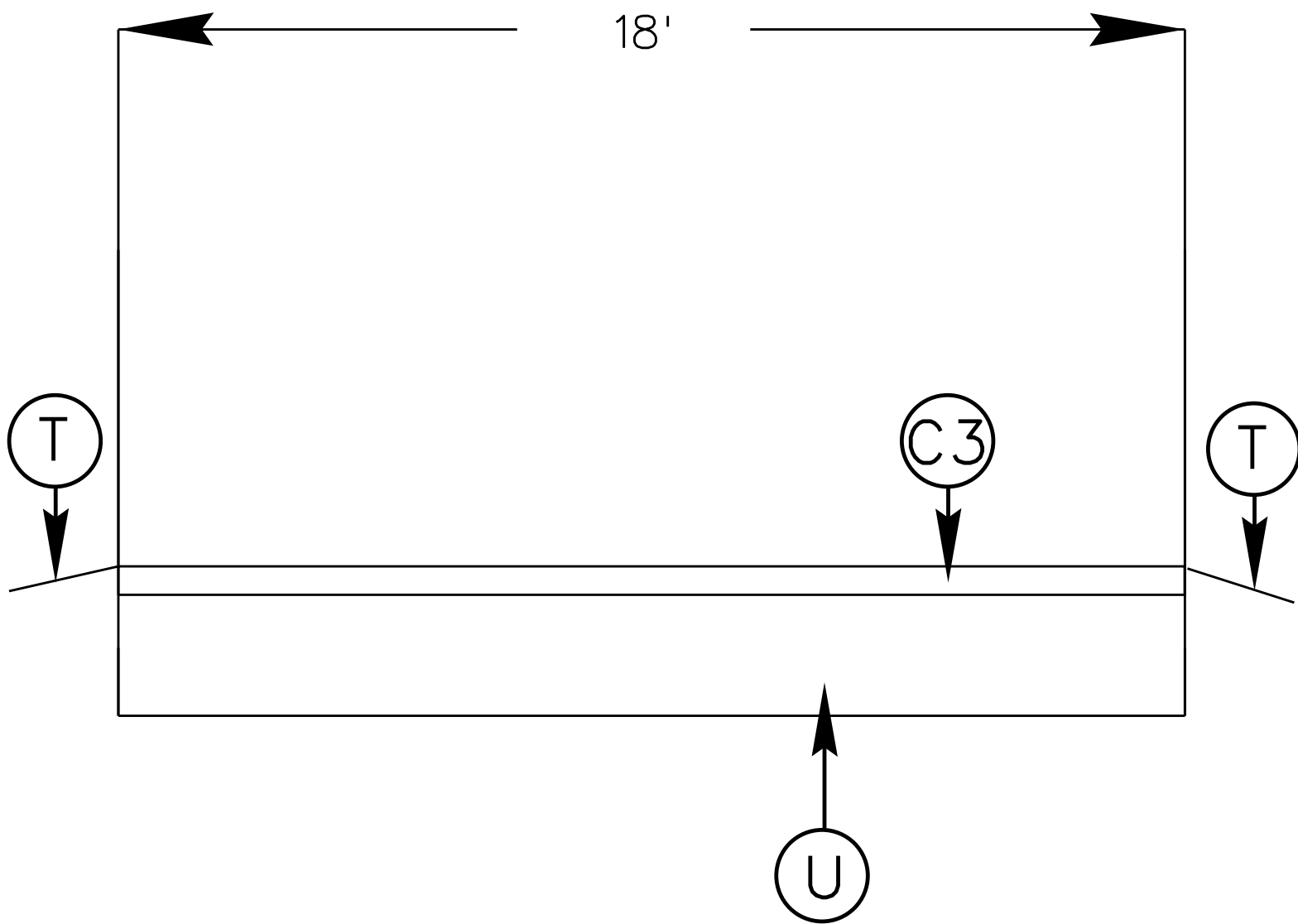
SURFACING SCHEDULE

C1	PROP. APPROX. 1 1/4" ASPHALT CONCRETE SURFACE COURSE, (LEVELING) TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AVERAGE RATE OF 165 LBS. PER. SQ. YD
C3	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AVERAGE RATE OF 168 LBS. PER. SQ. YD
T	SHOULDER RECONSTRUCTION WITH ASB. 2' WIDE UNLESS DIRECTED BY PROJECT ENGINEER -SEE PROJECT SPECIAL PROVISIONS-
U	EXISTING PAVEMENT

TYPICAL 2



TYPICAL 3



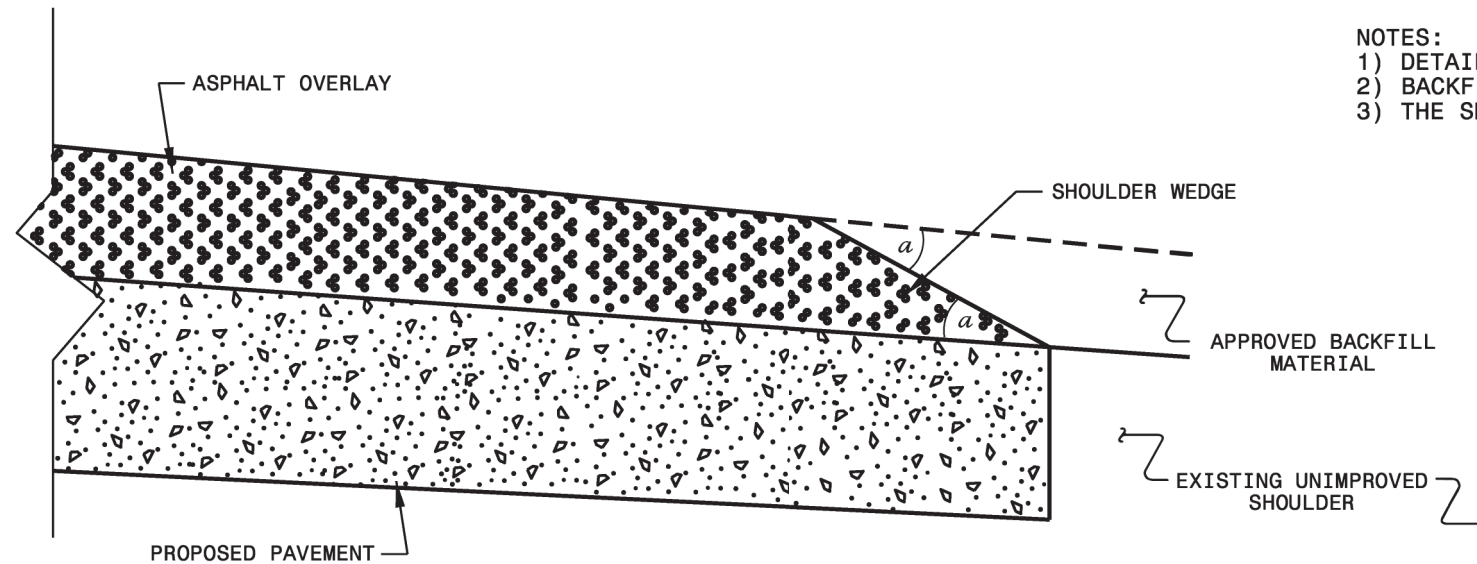
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CONTRACT: DN01163

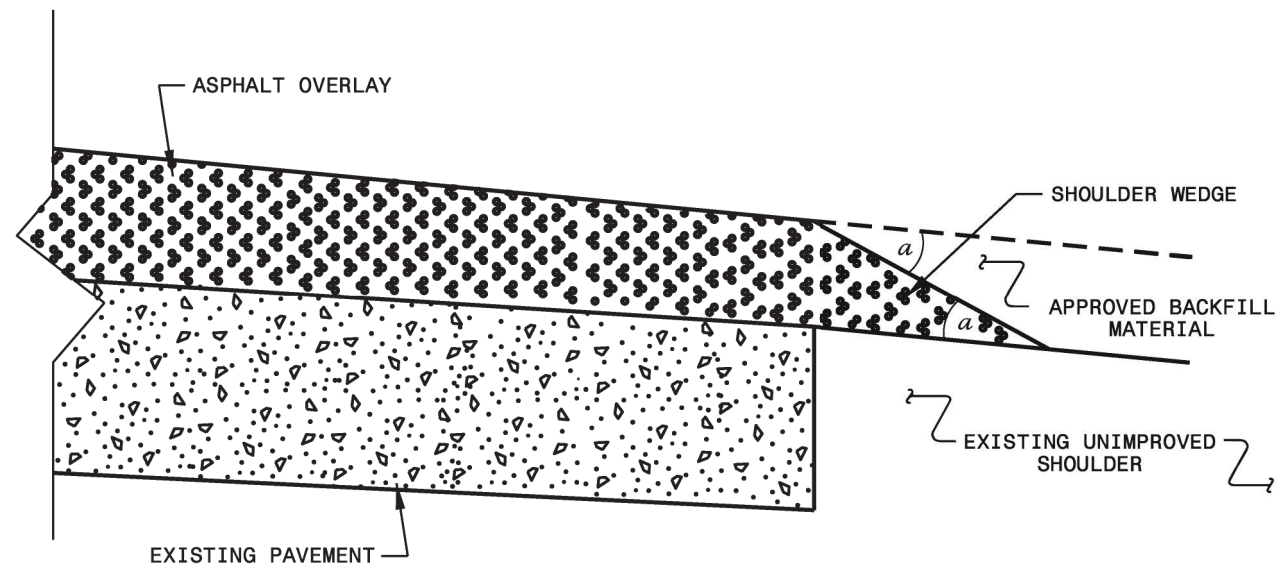
STATE	STATE PROJECT REFERENCE N O	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.02.20201	7	13
STATE PROJ. NO.		F. A. PROJ. NO.	DESCRIPTION
2027CPT.14.02.20201			

Bridge Structure Table							
Map #	Route No.	Road Name	County	Structure No.	Posted SV (Tons)	Posted TTST (Tons)	Paving Across Bridge
1	SR-1556	Martins Creek Rd	Cherokee	190172	99	99	Yes
1	SR-1556	Martins Creek Rd	Cherokee	190173	99	99	Yes
1	SR-1556	Martins Creek Rd	Cherokee	190174	99	99	Yes
2	SR-1326	Joe Brown Hwy	Cherokee	190222	99	99	Yes
2	SR-1326	Joe Brown Hwy	Cherokee	190140	99	99	No
4	SR-1565	Folk School Rd	Cherokee	190153	99	99	Yes

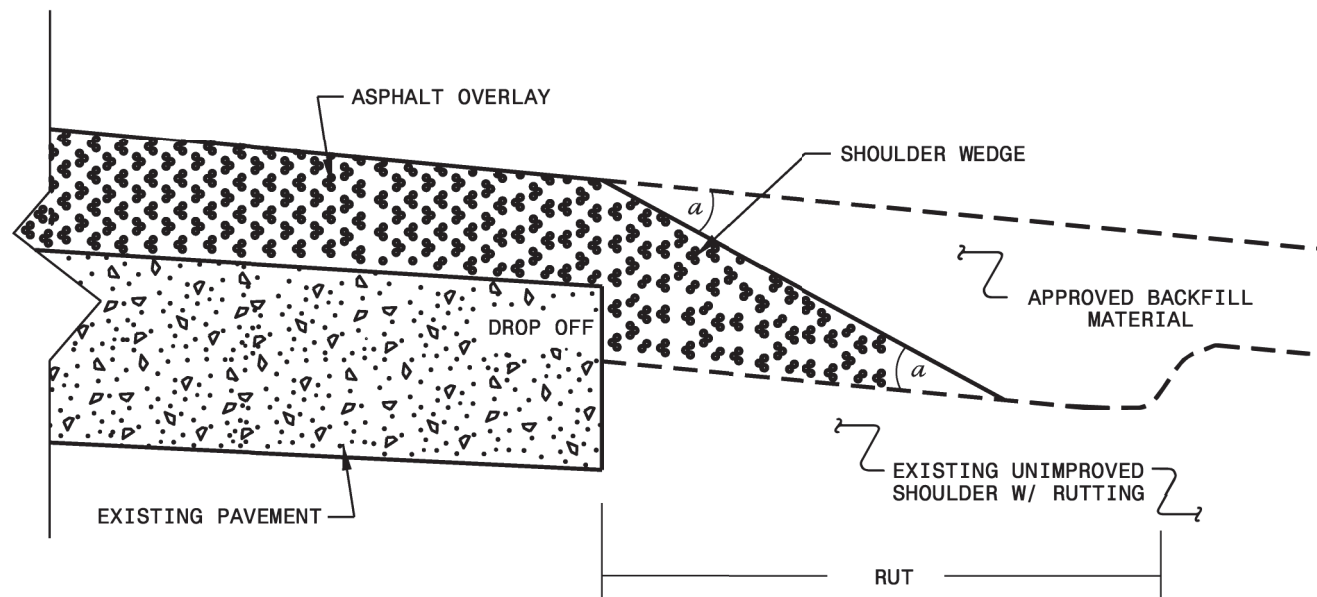
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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

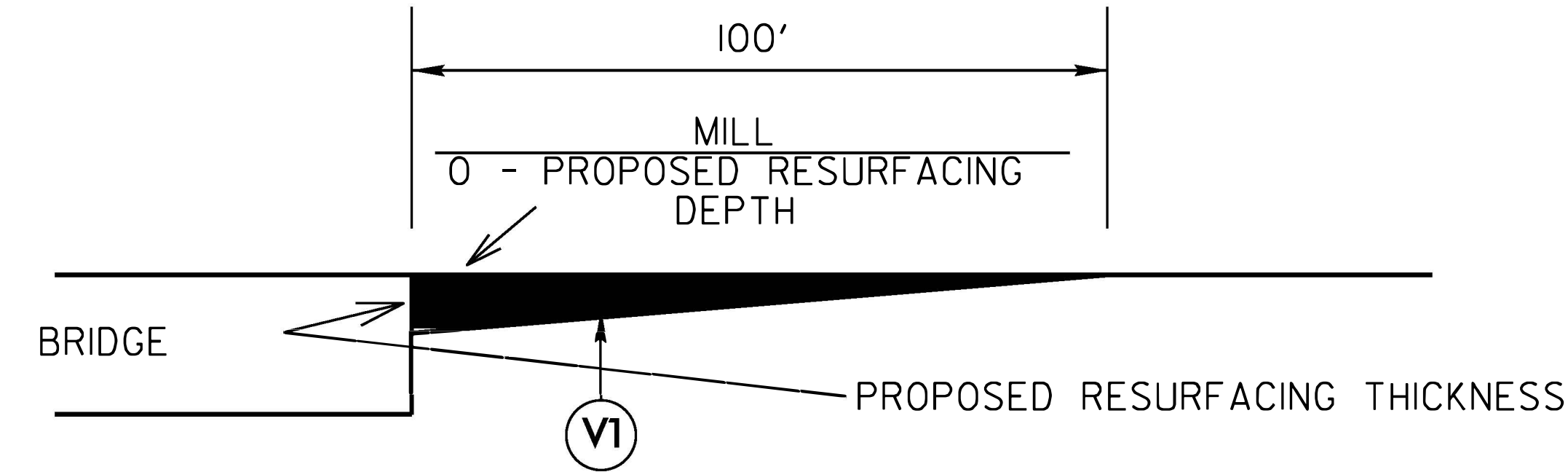
**SHOULDER WEDGE
DETAILS**

ORIGINAL BY: T. SPELL DATE: 7-19-11
MODIFIED BY: DATE: 10/16/12
CHECKED BY: DATE:
FILE SPEC.: s:\usr\det-alls\stand\shoulderwed_detail.dgn

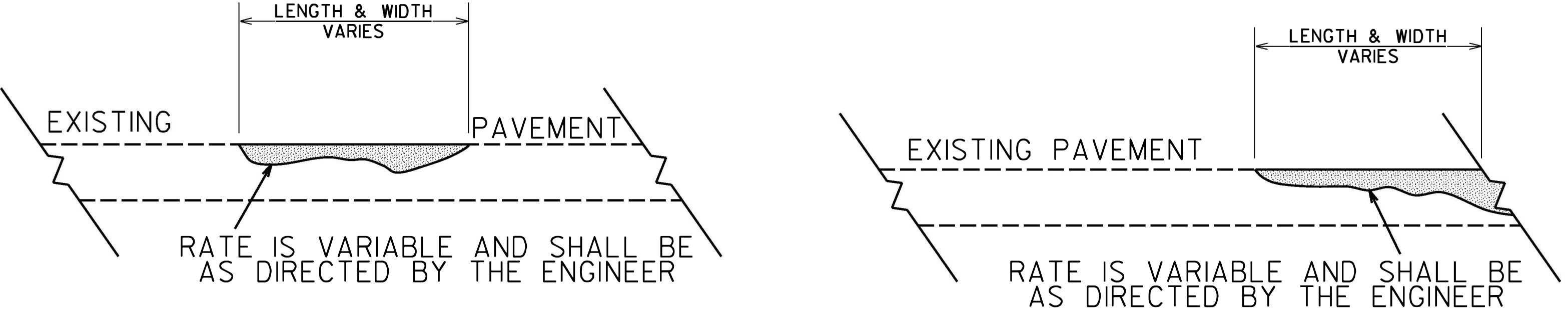
SYSTEMS
DESIGN
CONSULTANTS
INC.

CONTRACT: DN01163

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.02.10201	10	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.02.20201			
2027CPT.14.02.20221			

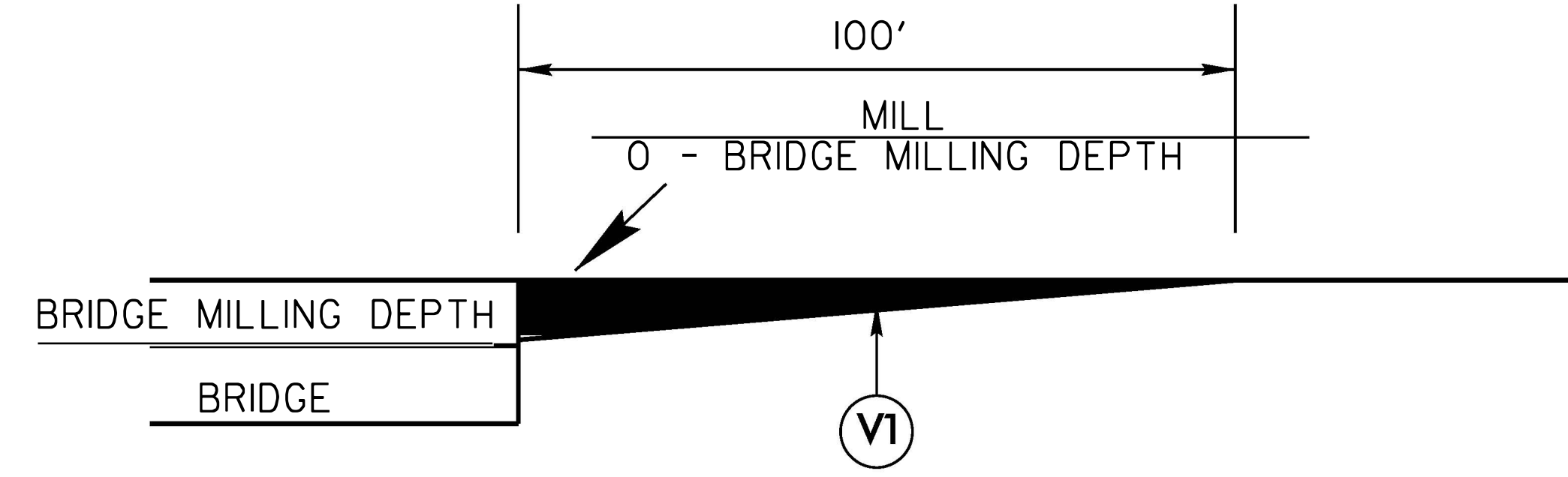


MILLING DETAIL AT BRIDGE APPROACHES
WHERE BRIDGES WILL NOT BE RESURFACED.
THIS WILL BE PAID FOR AS INCIDENTAL MILLING.

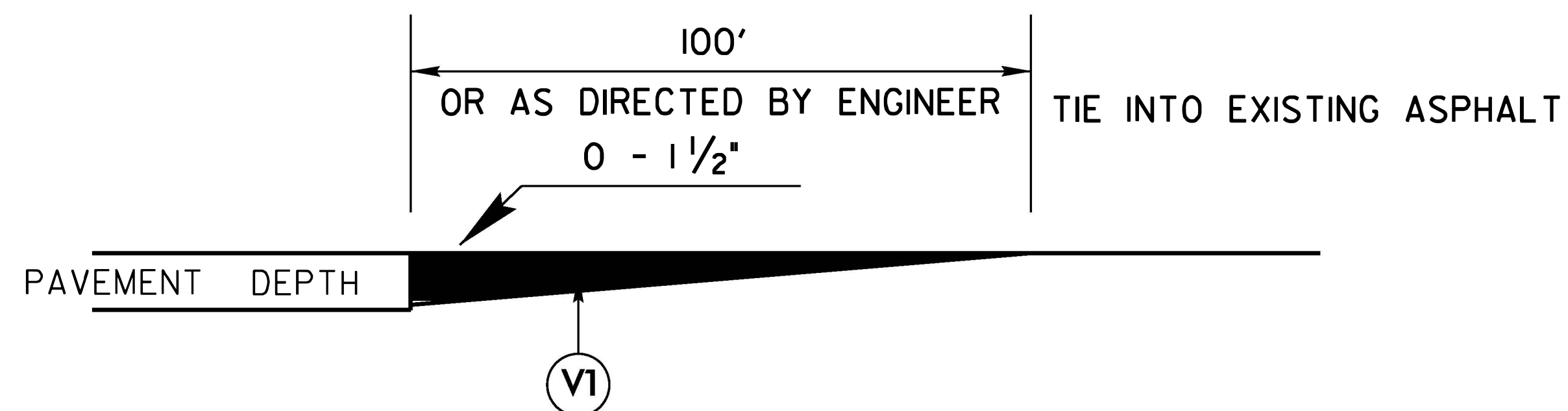


DETAIL SHOWING METHOD OF WEDGING

****PROPOSED WEDGE COURSE* (114 LBS PER SQ YARD PER 1" DEPTH)***



MILLING DETAIL AT BRIDGE APPROACHES
WHERE BRIDGES WILL BE MILLED THEN RESURFACED.
THIS WILL BE PAID FOR AS INCIDENTAL MILLING.



DETAIL TO TIE INTO EXIST PAVEMENT

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE WILL BE REQUIRED TO MILL THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END AND Y LINES OF EACH MAP.
THIS WILL BE PAID FOR AS 1 1/2" MILLING.

CONTRACT: DN01163

PROJECT NO.	SHEET NO.	TOTAL NO.
2027CPT.14.02.20201, 2027CPT.14.02.20221	11	13

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	1245000000-E SHOULDER RECONSTRUCTION	1260000000-E AGGREGATE SHOULDER BORROW	1330000000-E INCIDENTAL MILLING	1519000000-E SURFACE COURSE, S9.5B	1520000000-E LEVELING COURSE, S9.5B	1523000000-E SURFACE COURSE, S9.5C	1575000000-E ASPHALT BINDER FOR PLANT MIX	1704000000-E PATCHING EXISTING PAVEMENT	2830000000-N ADJ. OF MANHOLES
								MI	FT			SMI	TON	SY	TONS	TONS	TONS	TONS	TONS	EA
2027CPT.14.02.20201	Cherokee	1	SR-1556 / MARTINS CREEK RD	FROM SR 1558 TO SR 1564	1	2	2WU	4.500	18	0.600	5.100	9.14	1,350			4,160		342	1,500	
TOTAL FOR MAP NO. 1								4.500				9.14	1,350			4,160		342	1,500	
2027CPT.14.02.20201	Cherokee	2	SR-1326 / JOE BROWN HWY	FROM TENN ST TO SR 1365	2	2	2WU	1.730	24	18.800	20.530	3.48	519	815	1,275			102	404	16
TOTAL FOR MAP NO. 2								1.730				3.48	519	815	1,275			102	404	16
2027CPT.14.02.20201	Cherokee	3	SR-1576 / CRISP RD	FROM SR 1305 TO SR 1508	1	2	2WU	1.280	18	0.890	2.170	2.50	384			1,070		81	230	
TOTAL FOR MAP NO. 3								1.280				2.50	384			1,070		81	230	
2027CPT.14.02.20201	Cherokee	4	SR-1565 / FOLK SCHOOL RD	FROM SR-1564 TO CLAY CO LINE	1	2	2WU	0.560	18	0.000	0.560	1.12	170			400		26	9	
TOTAL FOR MAP NO. 4								0.560				1.12	170			400		26	9	
TOTAL FOR PROJ NO. 2027CPT.14.02.20201								8.070				16.24	2,423	815	1,275	5,630		551	2,143	16
2027CPT.14.02.20221	Clay	5	SR-1115 / MCDONALD RD	FROM US 69 TO EOP	3	2	2WU	1.463	18	0.580	2.043	2.76	439				1,225	183	2,300	
TOTAL FOR MAP NO. 5								1.463				2.76	439				1,225	183	2,300	
2027CPT.14.02.20221	Clay	6	SR-1155 / JACK RABBIT RD	FROM HWY 175 TO EOM	1	2	2WU	1.250	20	0.000	1.250	1.84	375			910		136	1,600	
TOTAL FOR MAP NO. 6								1.250				1.84	375			910		136	1,600	
TOTAL FOR PROJ NO. 2027CPT.14.02.20221								2.713				4.60	814			910	1,225	319	3,900	
GRAND TOTAL								10.783				20.84	3,237	815	1,275	6,540	1,225	870	6,043	16

PROJECT NO.	SHEET NO.	TOTAL NO.
2027CPT.14.02.20201, 2027CPT.14.02.20221	12	13

THERMOPLASTIC AND PAINT QUANTITIES

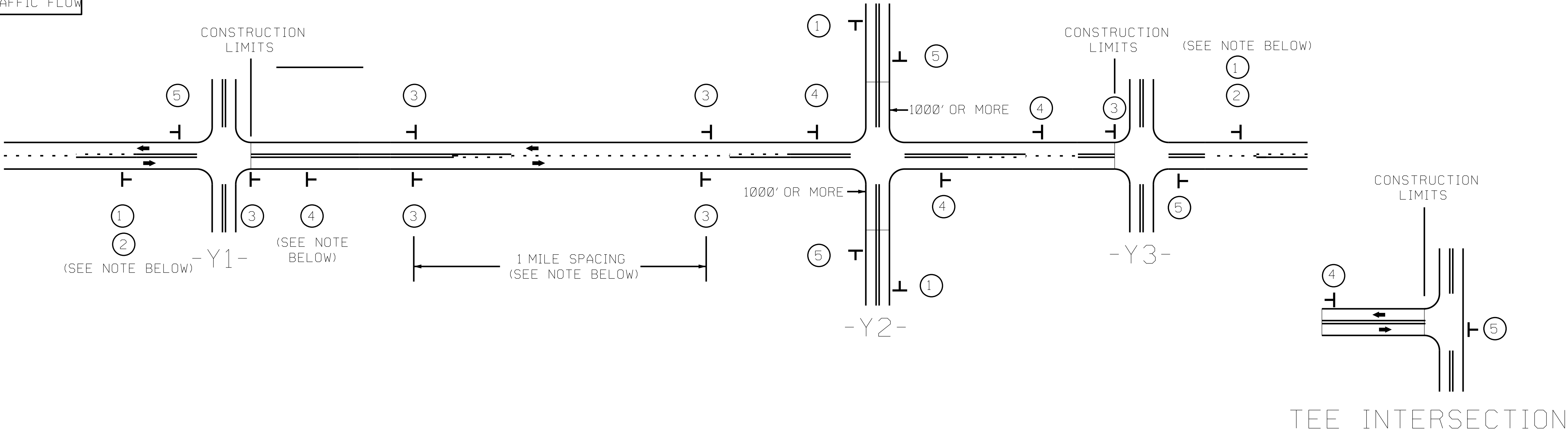
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4688000000-E		4704000000-E	4709000000-E	4720000000-E	4890000000-E			4895000000-N	
												WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)(WHITE)	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)(YELLOW)	THERMOPLASTIC PAVEMENT MARKING LINES (16", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)(WHITE)	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	WHITE HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES (4", 60 MILS)	YELLOW HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES (4", 60 MILS)	WHITE HOT SPRAY THERMO (24", 60 MILS)	GENERIC PAVEMENT MARKING ITEM - POLYCARBONATE H- SHAPED MARKERS	
								MI	FT			SF	LS	LF	LF	LF	LF	EA	LF	LF	LF	EA	
2027CPT.14.02.20201	Cherokee	1	SR-1556 / MARTINS CREEK RD	FROM SR 1558 TO SR 1564	1	2	2WU	4.5	18	0.6	5.1	504	0.39							48,280	48,280	60	
TOTAL FOR MAP NO. 1								4.5				504	0.39							48,280	48,280	60	
2027CPT.14.02.20201	Cherokee	2	SR-1326 / JOE BROWN HWY	FROM TENN ST TO SR 1365	2	2	2WU	1.73	24	18.8	20.53	195	0.12	19,000	19,000	50	75	2				500.00	
TOTAL FOR MAP NO. 2								1.73				195	0.12	19,000	19,000	50	75	2				500	
2027CPT.14.02.20201	Cherokee	3	SR-1576 / CRISP RD	FROM SR 1305 TO SR 1508	1	2	2WU	1.28	18	0.89	2.17	140	0.09							14,000	14,000	15	
TOTAL FOR MAP NO. 3								1.28				140	0.09							14,000	14,000	15	
2027CPT.14.02.20201	Cherokee	4	SR-1565 / FOLK SCHOOL RD	FROM SR-1564 TO CLAY CO LINE	1	2	2WU	0.56	18	0	0.56	126	0.03							5,960	5,960	25	
TOTAL FOR MAP NO. 4								0.56				126	0.03							5,960	5,960	25	
TOTAL FOR PROJ NO. 2027CPT.14.02.20201								8.07				965	0.63	19,000	19,000	50,000	75	2	68,240	68,240	100	500.00	
												38,000						136,580					
2027CPT.14.02.20221	Clay	5	SR-1115 / MCDONALD RD	FROM US 69 TO EOP	3	2	2WU	1.463	18	0.58	2.043	164	0.21							15,000	15,000	60	
TOTAL FOR MAP NO. 5								1.463				164	0.21							15,000	15,000	60	
2027CPT.14.02.20221	Clay	6	SR-1155 / JACK RABBIT RD	FROM HWY 175 TO EOM	1	2	2WU	1.25	20	0	1.25	110	0.16							10,000	10,000	100	
TOTAL FOR MAP NO. 6								1.25				110	0.156							10,000	10,000	100	
TOTAL FOR PROJ NO. 2027CPT.14.02.20221								2.713				274	0.367							25,000	25,000	160	
																		50,160					
GRAND TOTAL								10.783				1,239	1.000	19,000	19,000	50,000	75	2	93,240	93,240	260	500.00	
															38,000				186,740				

SIGNING FOR RESURFACING PROJECTS

LEGEND

 STATIONARY SIGN

 DIRECTION OF TRAFFIC FLOW

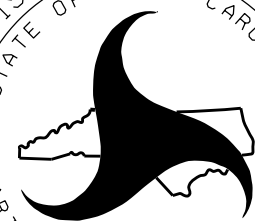


MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1  W20-1 48" X 48"	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	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, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.
	2  W7-3aP 24" X 18"	#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3  SP 13107 48" X 48"	- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	4  SP 13106 48" X 48"	- 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. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	5  G20-2 A 48" X 24"	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	
	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.		
LESS 2 MILES	FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.		

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ZONE TRAFFIC CONTROL



AD