

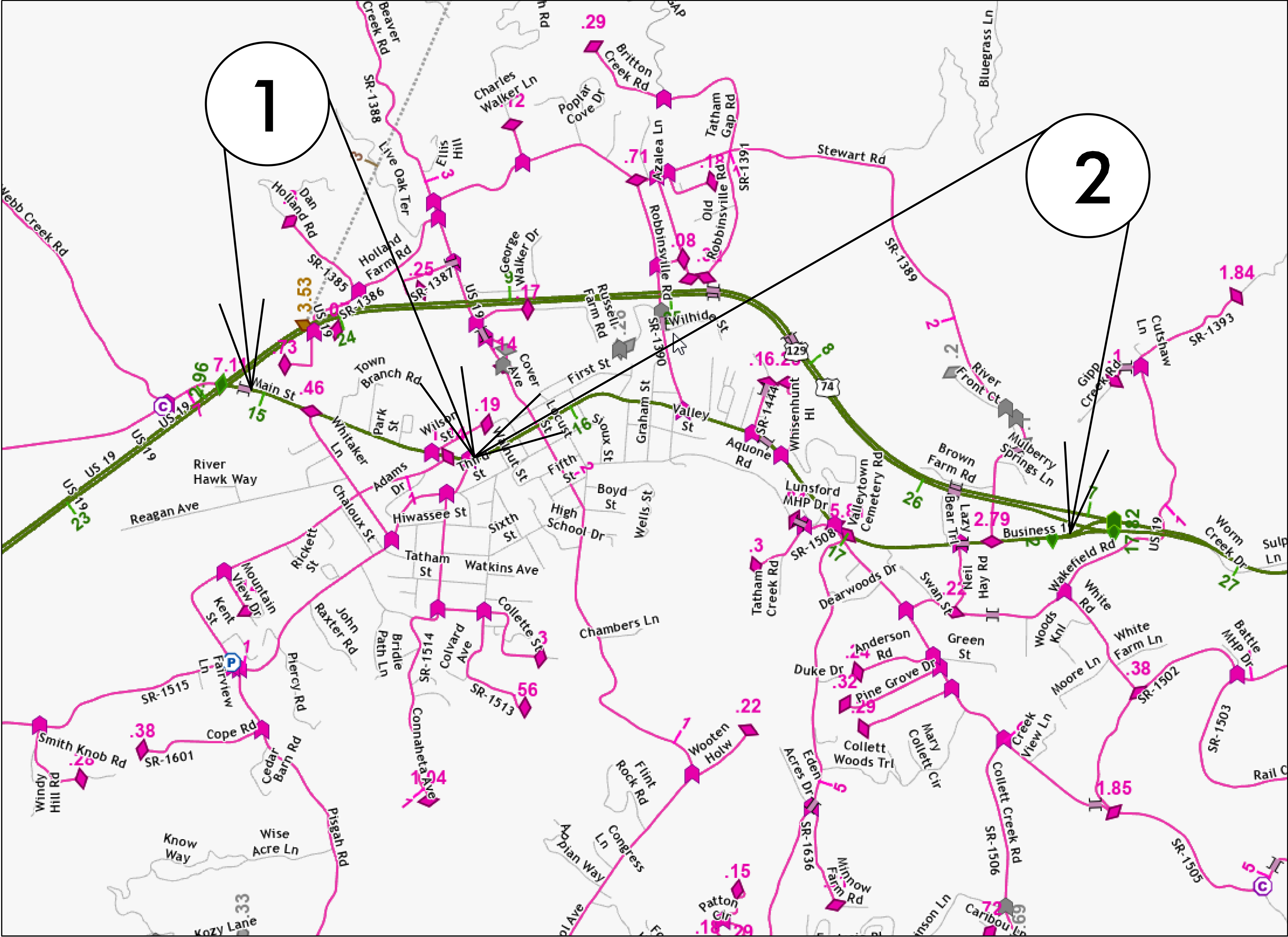
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STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.01.10201	1	16
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.01.10201		CON	
50943.3.8		CON	

CHEROKEE COUNTY



MAP 1



BEG



END

MAP 2



BEG

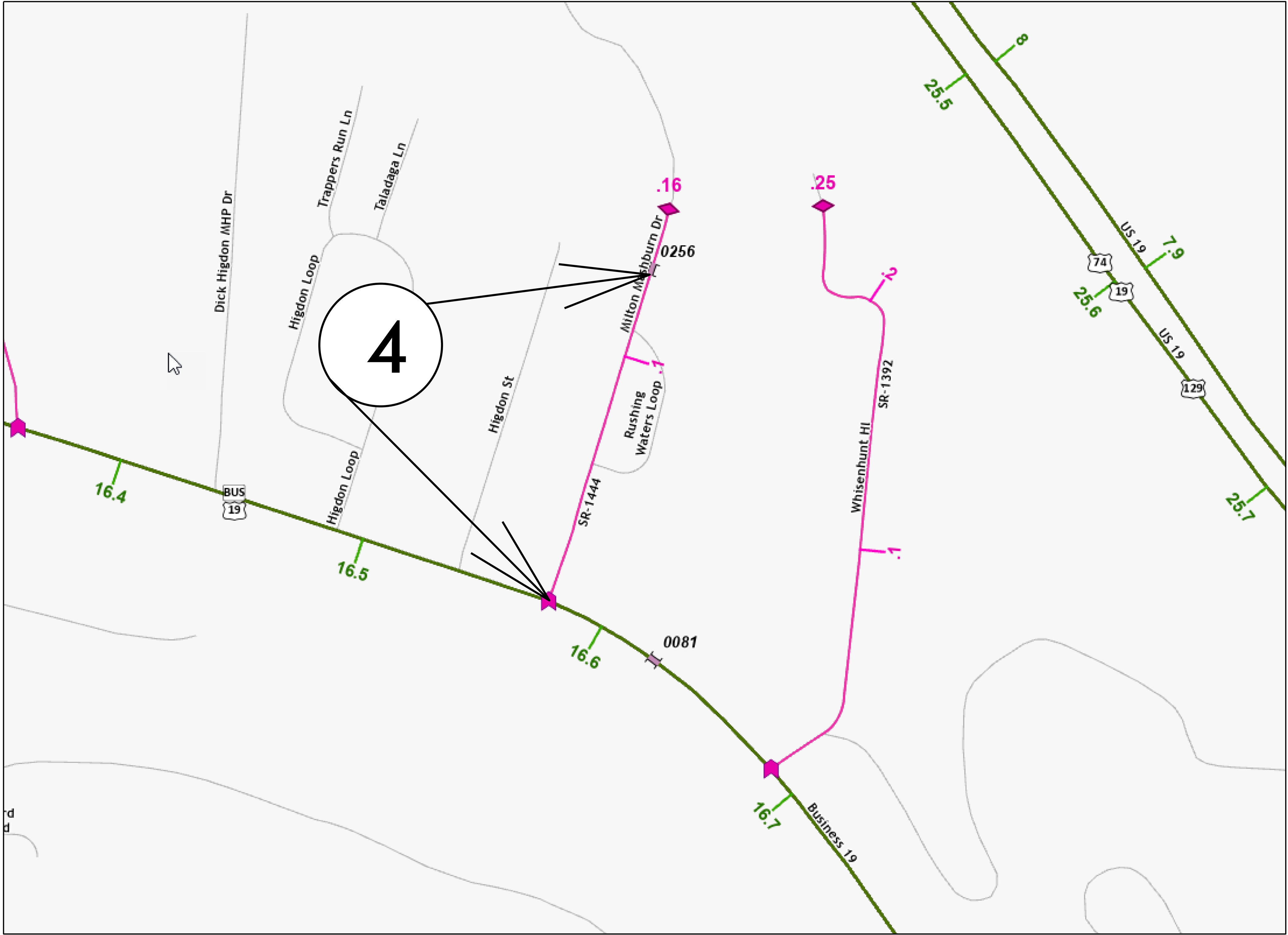


END

CONTRACT: DN01161

CHEROKEE COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.01.20201	3	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



MAP 4

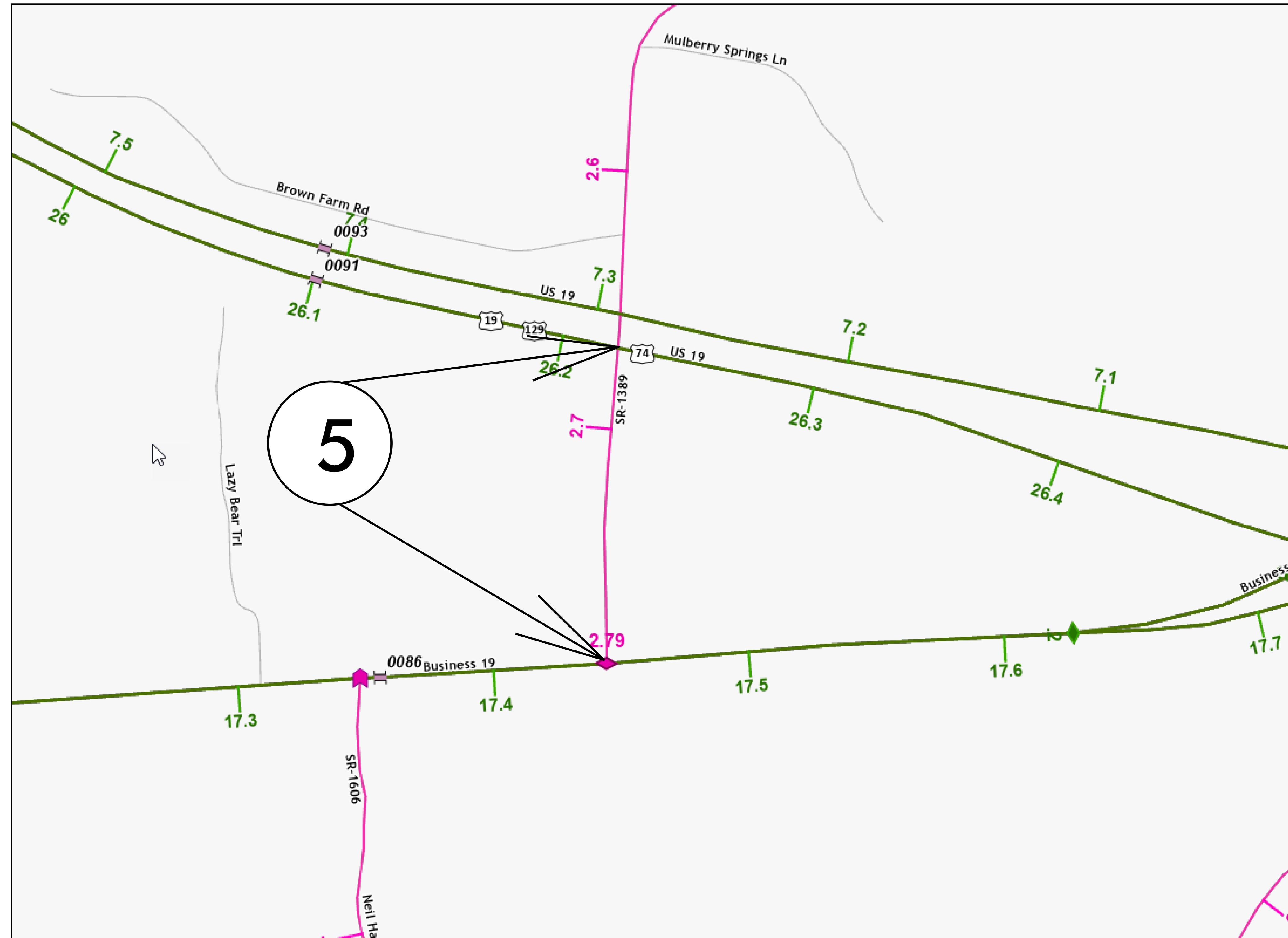


BEG



END

CHEROKEE COUNTY



MAP 5



BEG

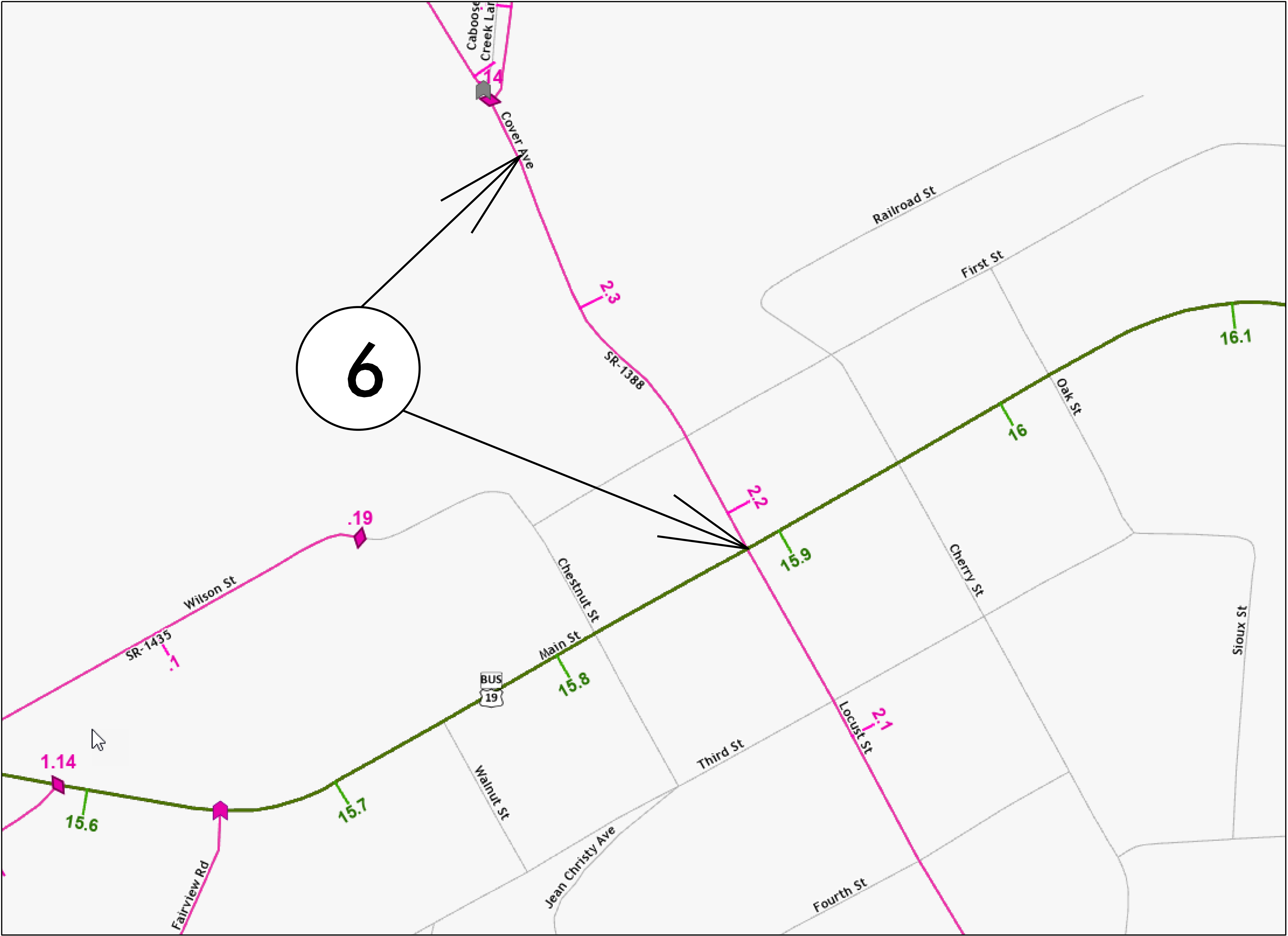


END

CONTRACT: DN01161

CHEROKEE COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.01.20201	5	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



MAP 6



BEG



END

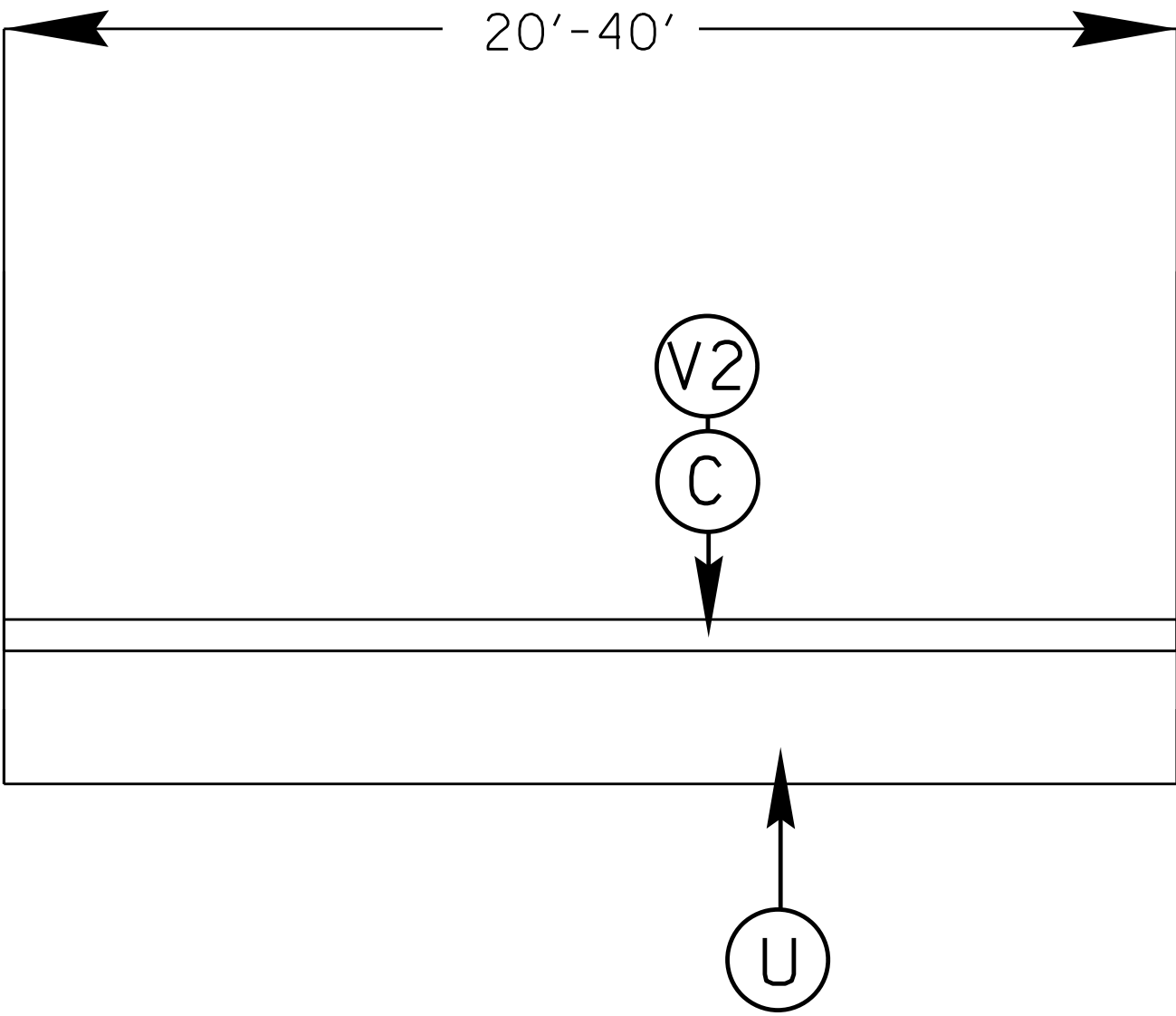
09/08/09

CONTRACT: DN01161

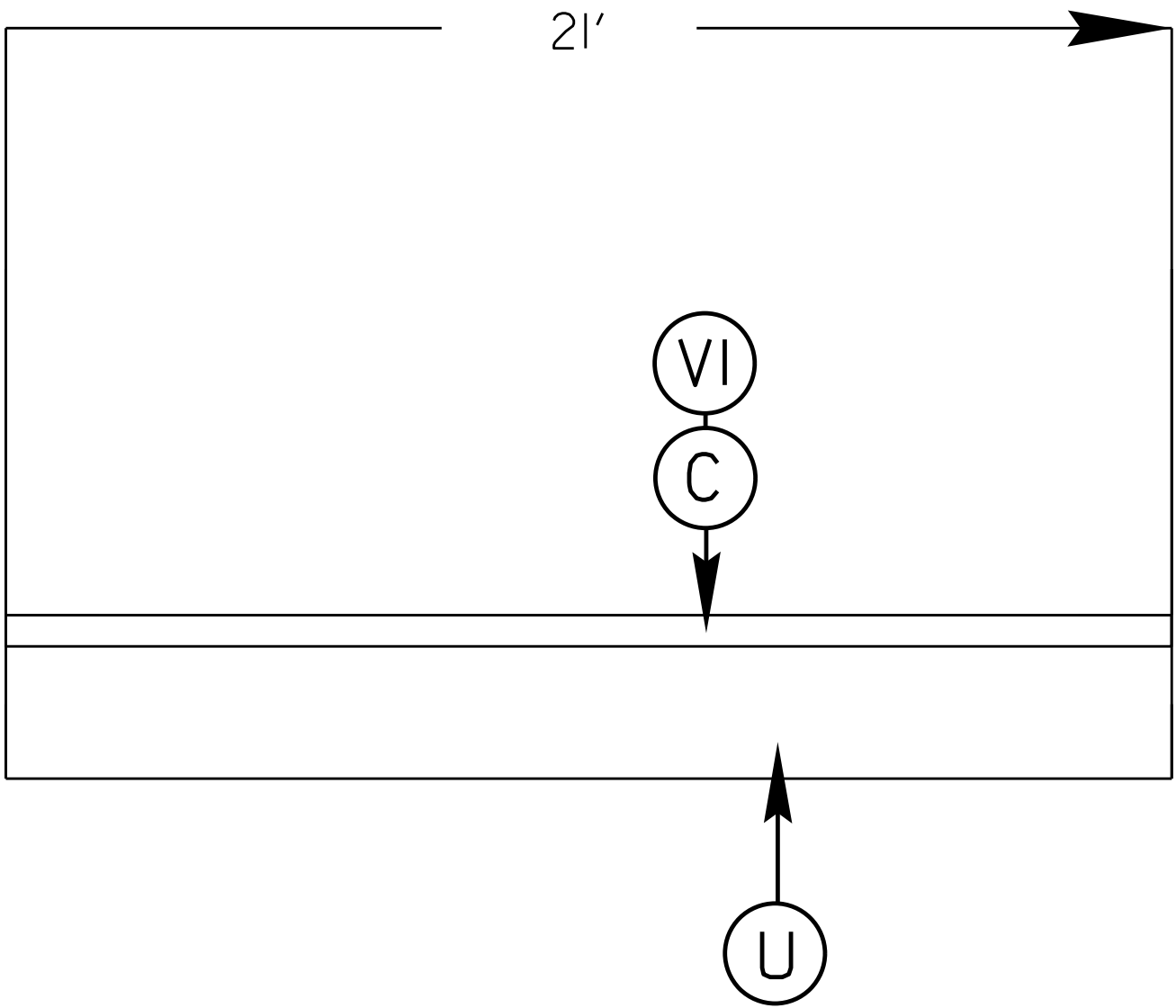
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.14.05.10881	6	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2026CPT.14.05.10881			
2026CPT.14.05.20881			

SURFACING SCHEDULE	
C	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168LBS. PER SQ. YD.
V1	MILLED ASPHALT PAVEMENT 1" - 5" IN DEPTH IN LOCATIONS AS DIRECTED BY PROJECT ENGINEER
V2	MILLED ASPHALT PAVEMENT 1 1/2" IN DEPTH IN LOCATIONS AS DIRECTED BY PROJECT ENGINEER
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT

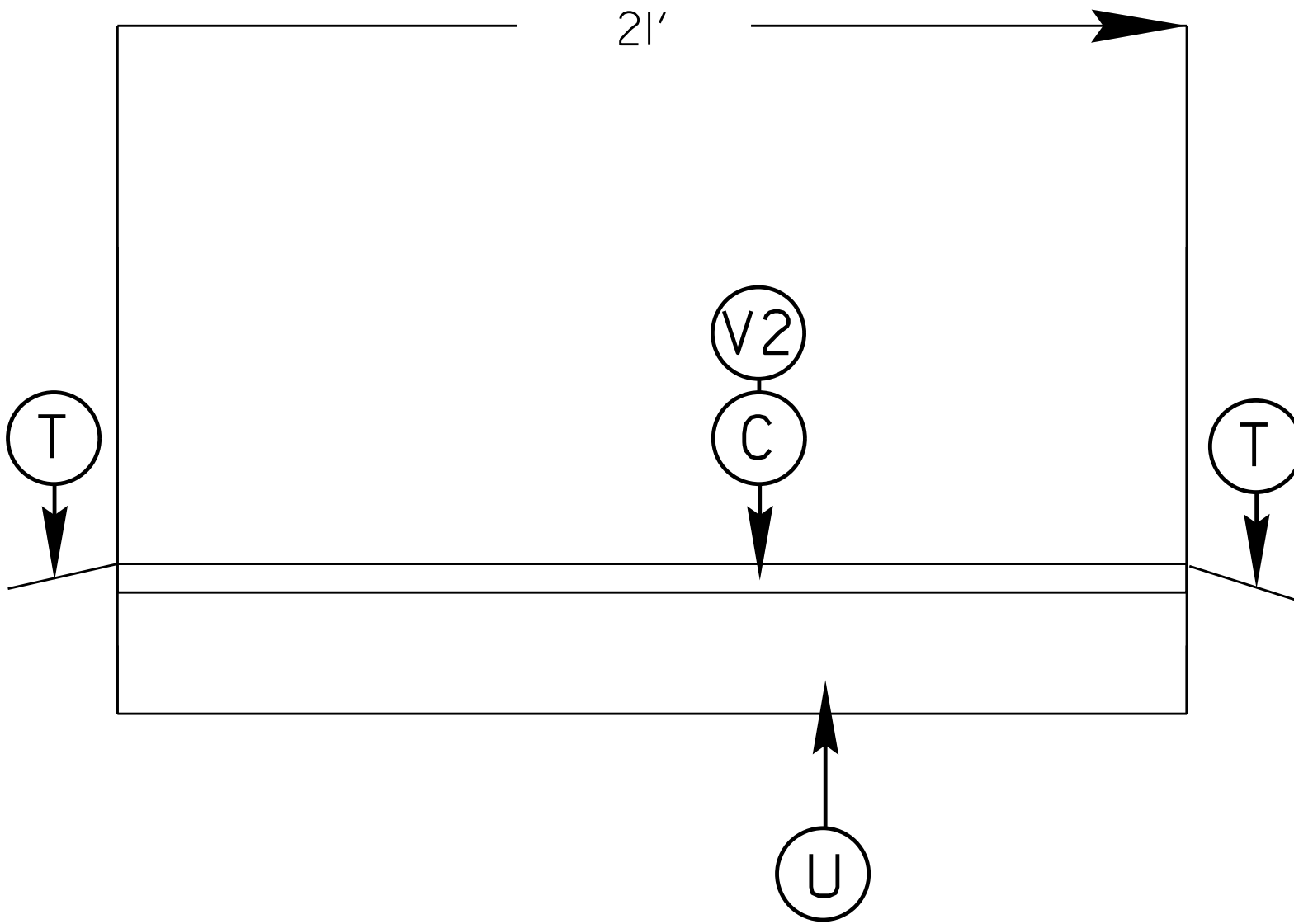
TYPICAL 2



TYPICAL 1



TYPICAL 3

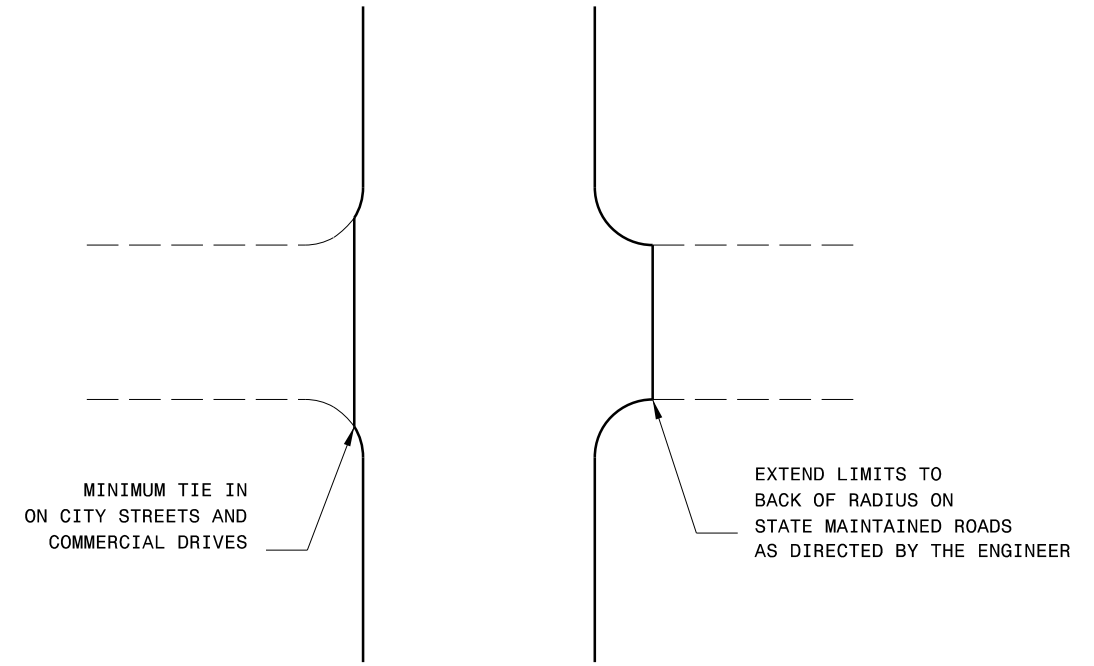


PROJECT NO.	SHEET NO.	TOTAL NO.
50943.3.8	7	16

Curb Ramp/DTO Locations				
Map	Road/Intersection	WCR	6" Concrete Driveway	Notes
1	Business 19	1		MM 15.083 Rt
1	Business 19		30	Cherokee County EMS Drive @ MM 15.11 Rt
1	Business 19	1		MM 15.115 Rt
1	Business 19	1		MM 15.12 Rt
1	Business 19	2		Int. of Witker Ln @ NW corner MM 15.14 Rt
1	Business 19	1		MM 15.15 Lt
1	Business 19	1	30	Doller General Drive @ MM15.41
1	Business 19	1		Int. Wilson St@ NE Corner MM 15.54 Lt
1	Business 19	1		MM15.54 Rt
1	Business 19	1		MM 15.55 Rt
1	Business 19	1		MM 15.558 Lt
1	Business 19	1		Int. of Teas St @ NW Corner MM 15.58 Rt
1	Business 19	1		Int. of Teas St @ SW Corner MM 15.59 Rt
1	Business 19	1		Int. of Fairview @ NW Corner MM 15.65 Rt
2	Business 19	1		Int. of Walnut St @ SE Corner MM 15.75 Rt
2	Business 19	1		NE Corner @ MM 15.75 Lt
2	Business 19		75	Hoppy Trout Drive @ MM 15.77 Lt
2	Business 19		75	MM 15.78 Rt
2	Business 19	2		Int. of Chestnut @ SW Corner MM15.81 Rt
2	Business 19	2		Int. of Chestnut @ NW Corner MM15.81 Lt
2	Business 19	2		Int. of Chestnut @ NE Corner MM15.82 Lt
2	Business 19	2		Int. of Chestnut @ SE Corner MM15.82 Rt
2	Business 19	2		SW & SE Corner @ MM 15.85
2	Business 19	2		Int. Of Locust @ SW Corner MM 15.88 Rt
2	Business 19	2		Int. Of Locust @ NW Corner MM 15.88 Lt
2	Business 19	2		Int. Of Locust @ NE Corner MM 15.89 Lt
2	Business 19	2		Int. Of Locust @ sE Corner MM 15.89 Rt
2	Business 19		50	MM 15.91 Rt
2	Business 19	1		SW Corner @ MM 15.92 Rt
2	Business 19	2		Int. of Cherry @ SW Corner MM 15.95 Rt
2	Business 19	1		Int. of Cherry @ SE Corner MM 15.96 Rt
2	Business 19		50	MM 15.99 Rt
2	Business 19	1		MM 15.995 Rt
2	Business 19	2		Int. of Oak @ SW Corner MM 16.02 Rt
2	Business 19	1		Int. of Oak @ SE Corner MM 16.03 Rt
2	Business 19	1		Int. of Macon @ SW Corner MM 16.19 Rt
2	Business 19	1		Int. of Macon @ SE Corner MM16.19 Rt
2	Business 19	1		Int. Graham @ SW Corner MM16.29 Rt
2	Business 19	1		Int. Graham @ SE Corner MM16.29 Rt
3	Business 19	1		Witker Ln @ SE Corner MM .44 Lt
3	Business 19	2		Witker Ln @ SW Corner MM .44 Rt
3	Business 19	1		Witker Ln @ SW Corner MM .45 Rt
	Total	50	310	
		EA	SY	

STATE	STATE PROJECT REFERENCE NO.		SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.01.10201		8	
STATE PROJ. NO.		F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.01.10201				
2027CPT.14.01.20201				
50943.3.8				

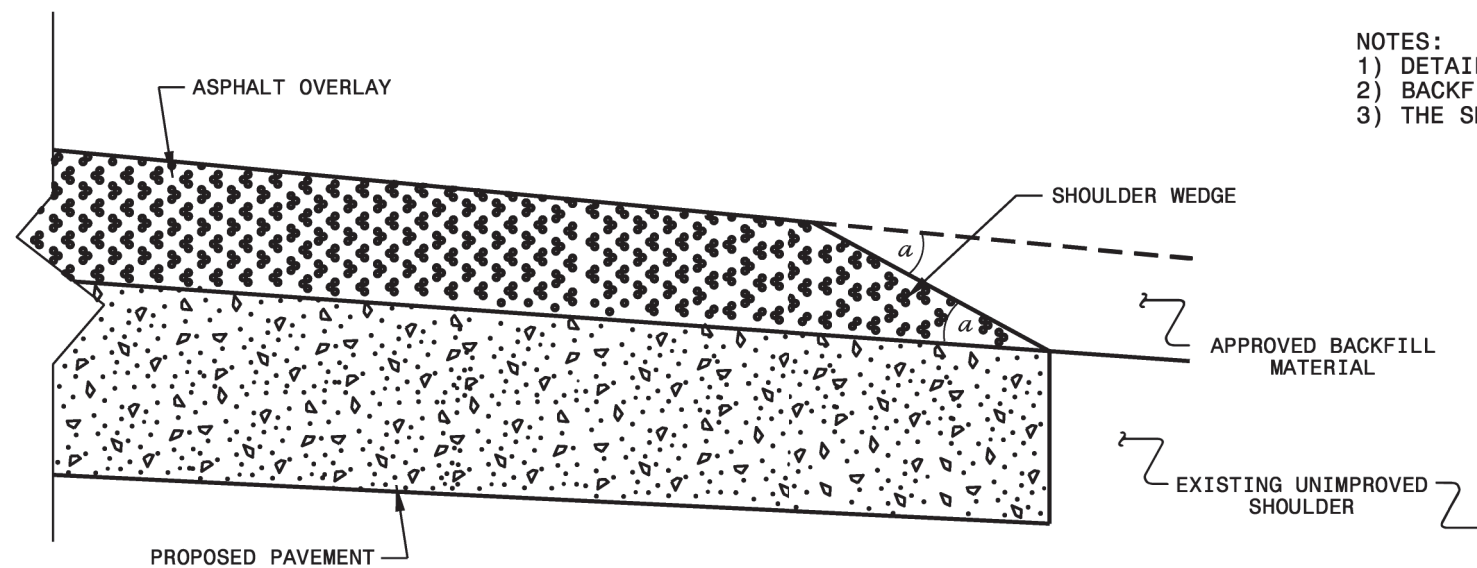
Bridge Structure Table							
Map #	Route No.	Road Name	County	Structure No.	Posted SV (Tons)	Posted TTST (Tons)	Paving Across Bridge
2	US-19 BUS N	US-19 BUS N	Cherokee	190081	99	99	YES
2	US-19 BUS N	US-19 BUS N	Cherokee	190086	99	99	YES



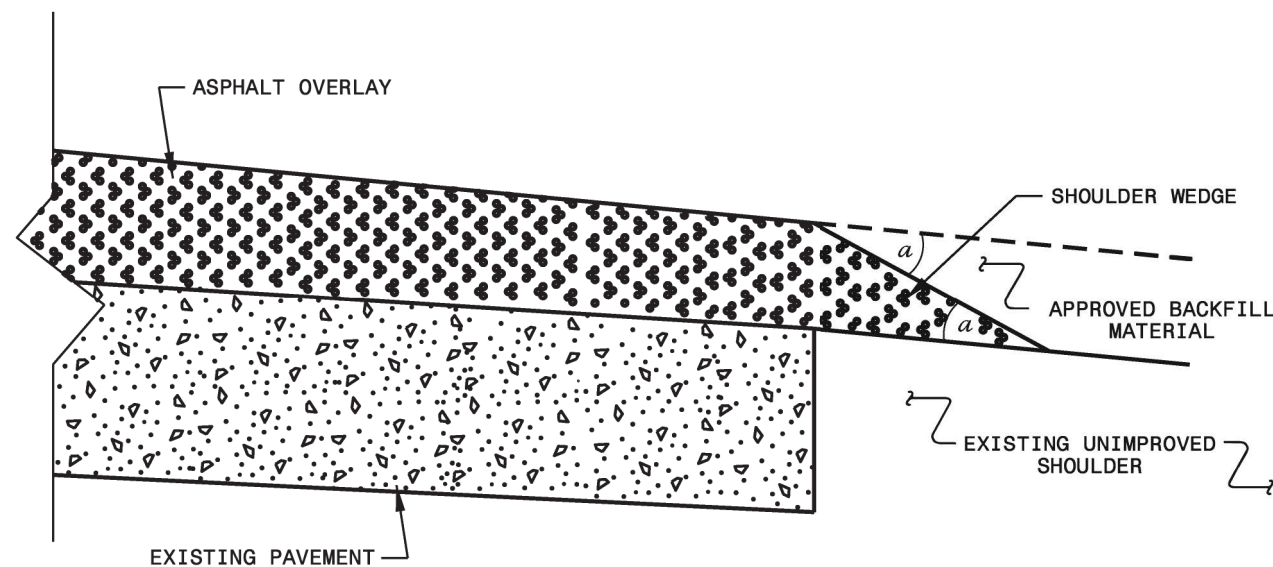
TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

[illegible]

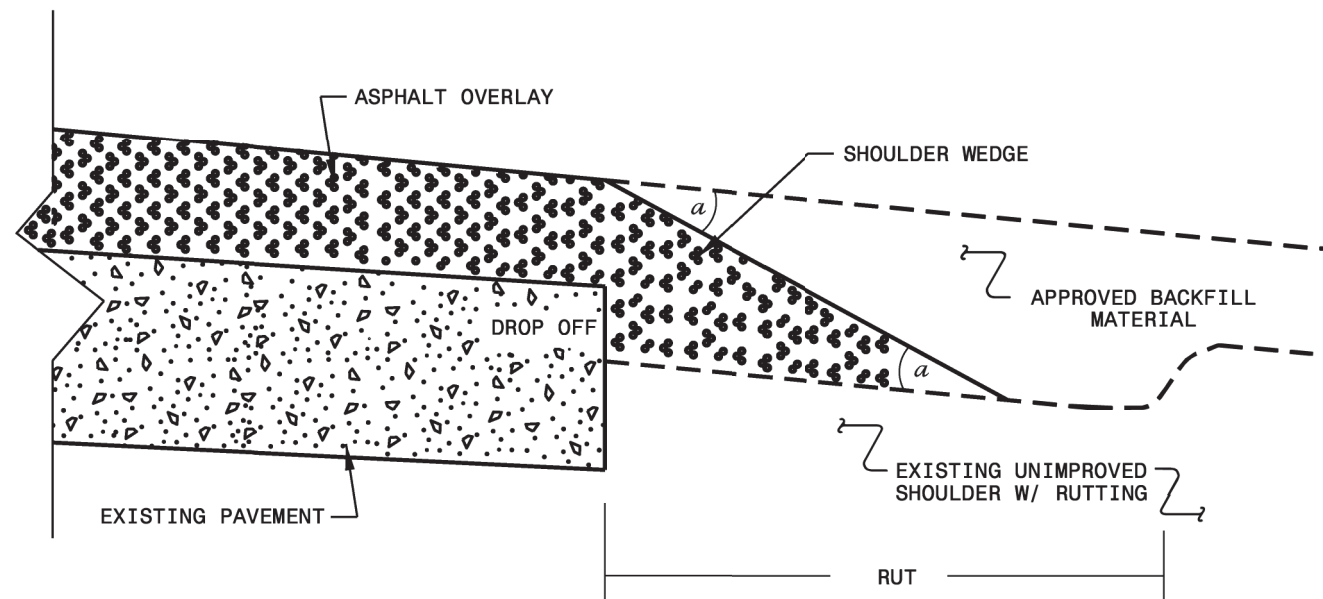
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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)

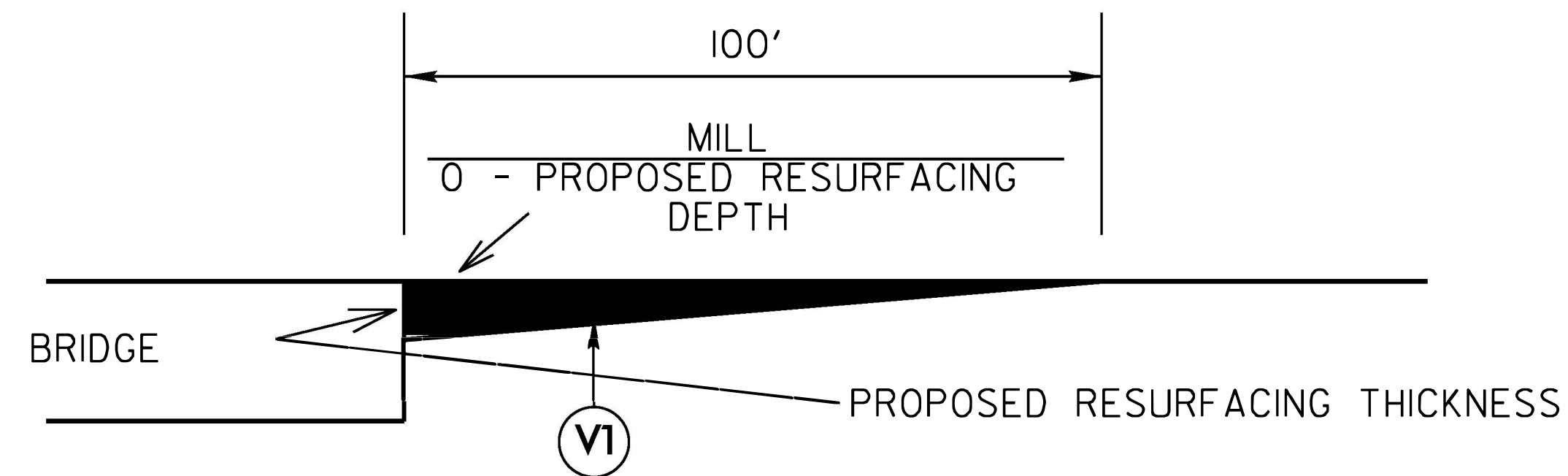
- SHOULDER WEDGE ANGLE = 30°

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		

CONTRACT: DN01161

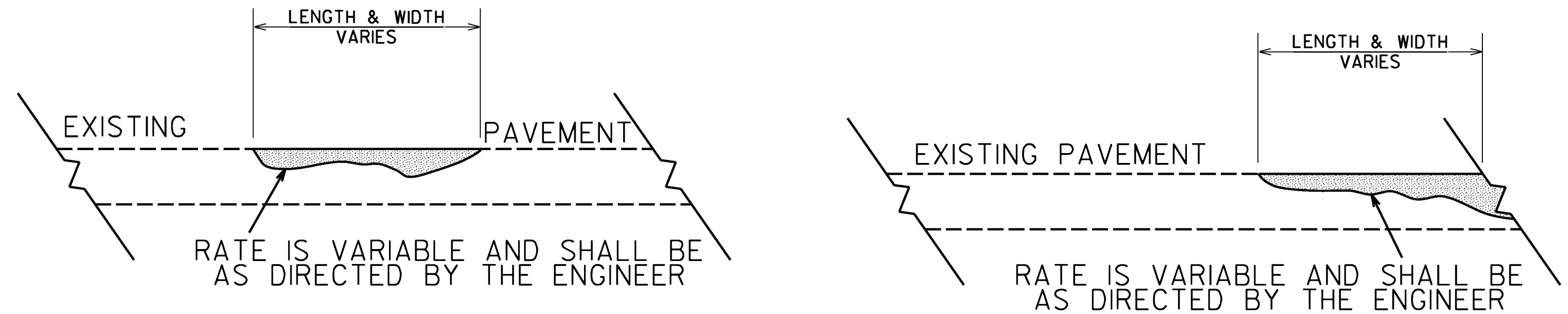
SYSTEMS
DESIGN
CONSULTANTS
INCORPORATED

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2027CPT.14.01.10201	II	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2027CPT.14.01.10201			
2027CPT.14.01.20201			
50943.3.8			



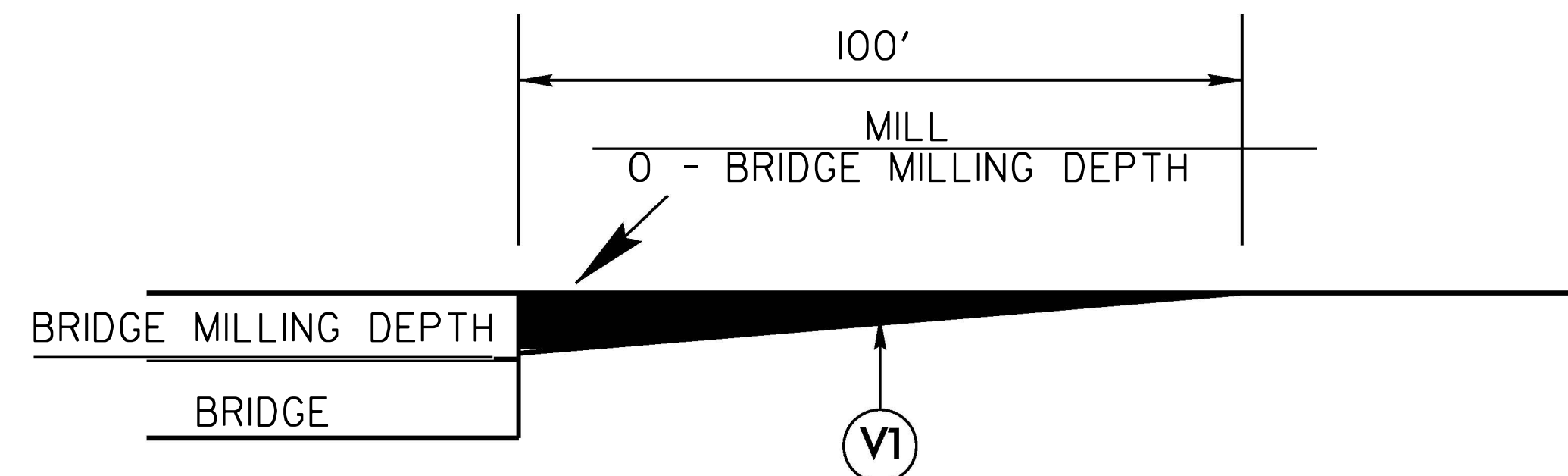
MILLING DETAIL AT BRIDGE APPROACHES

**WHERE BRIDGES WILL NOT BE RESURFACED.
THIS WILL BE PAID FOR AS INCIDENTAL
MILLING.**



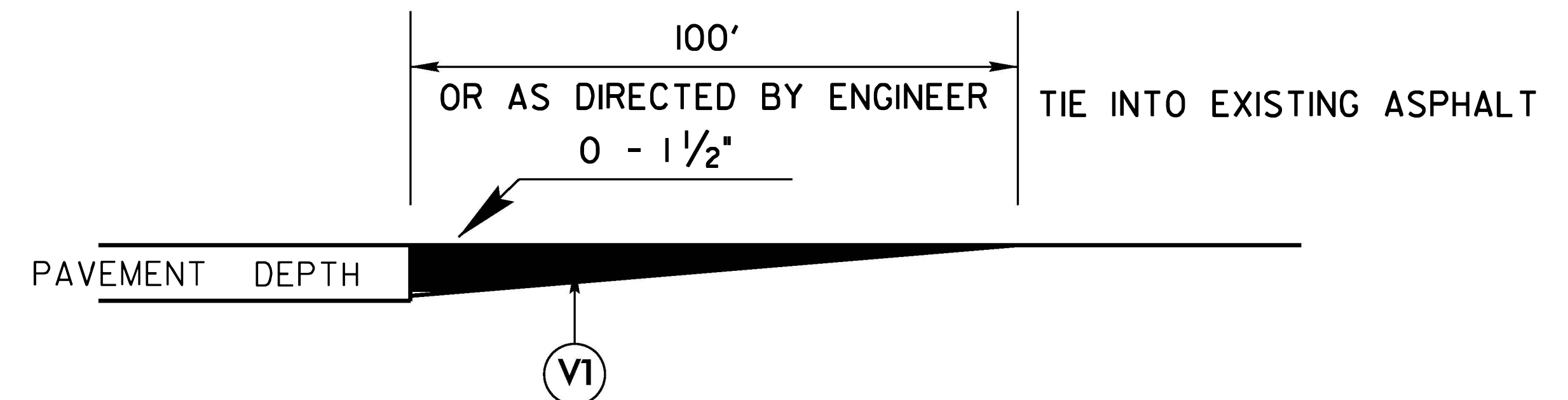
DETAIL SHOWING METHOD OF WEDGING

***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.**

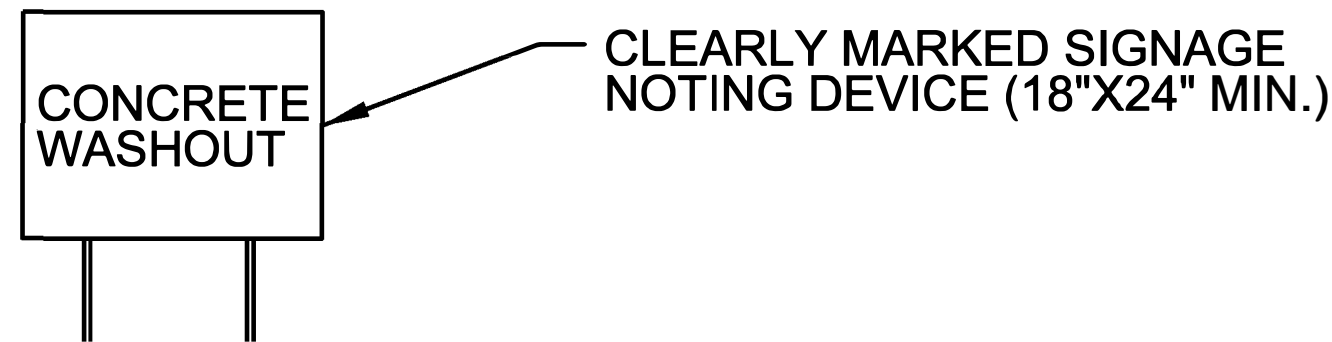
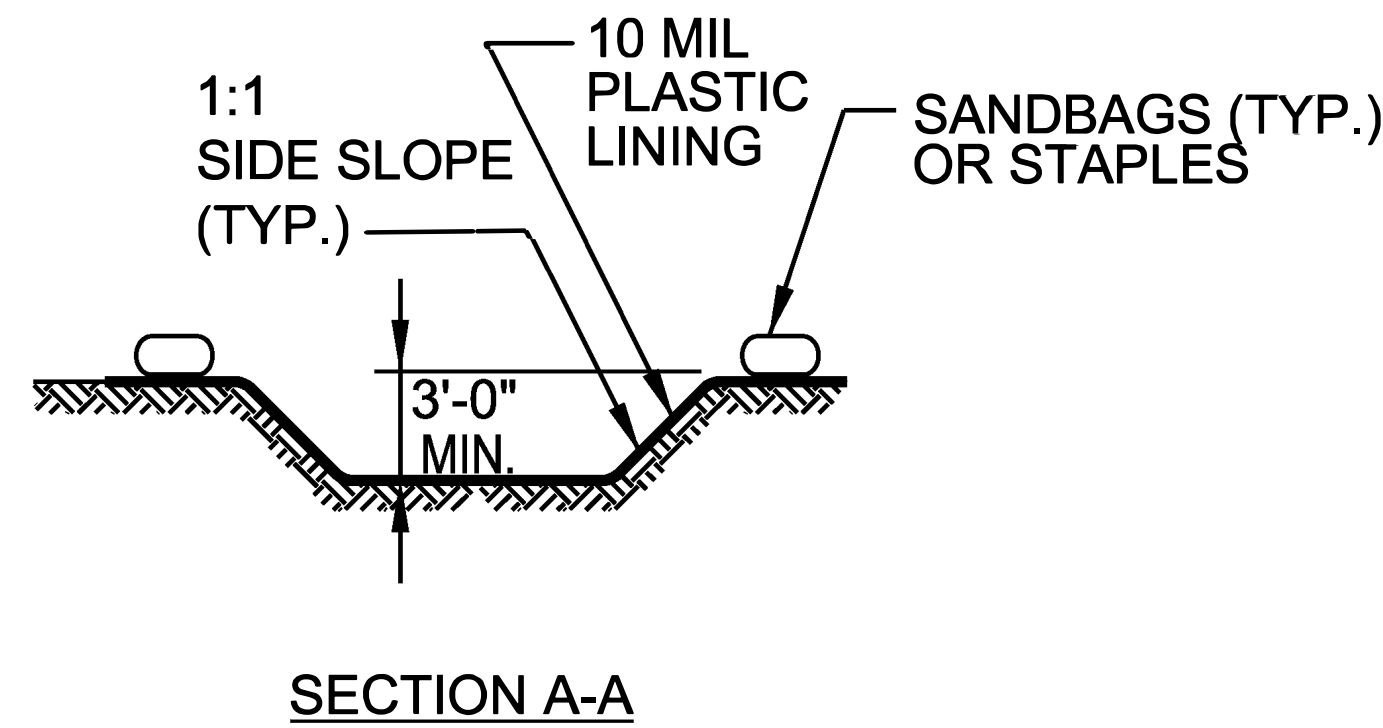
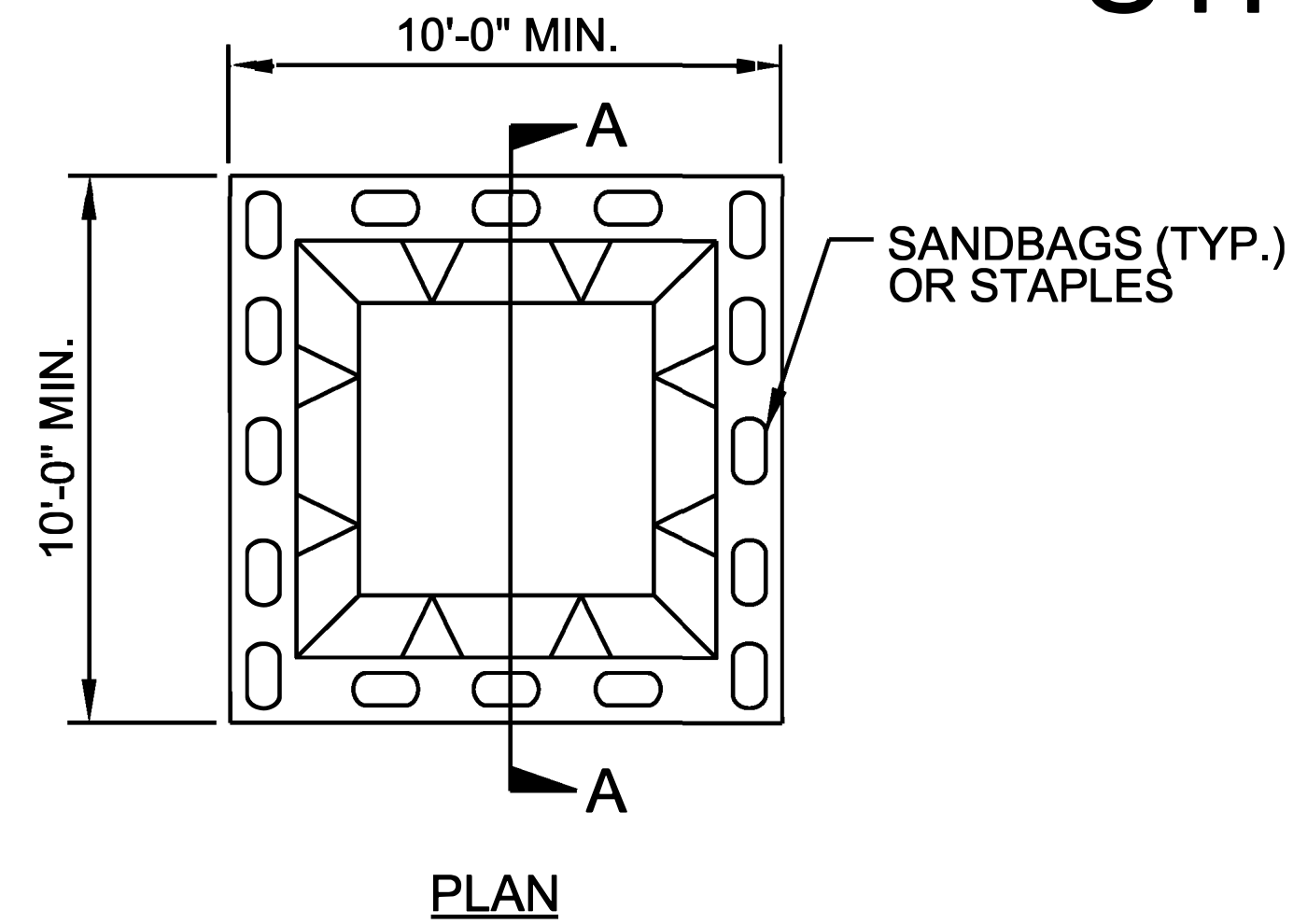


DETAIL TO TIE INTO EXIST PAVEMENT

**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.**

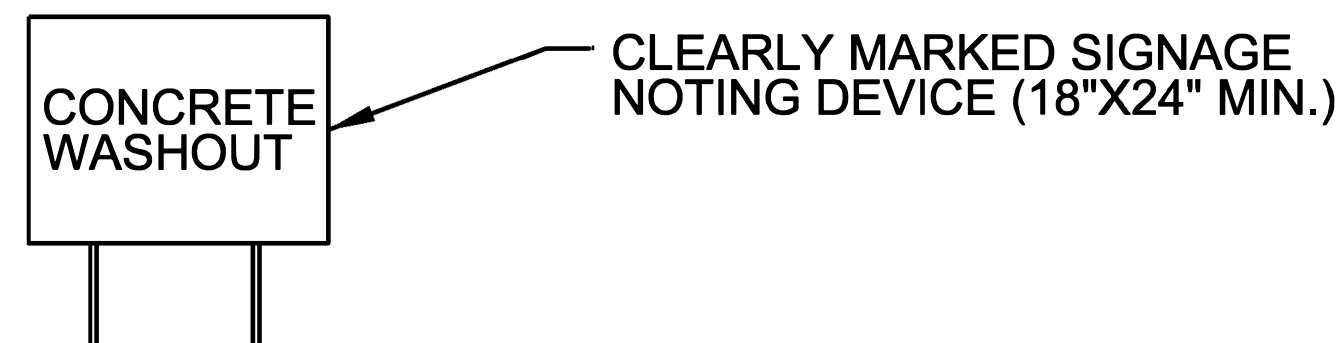
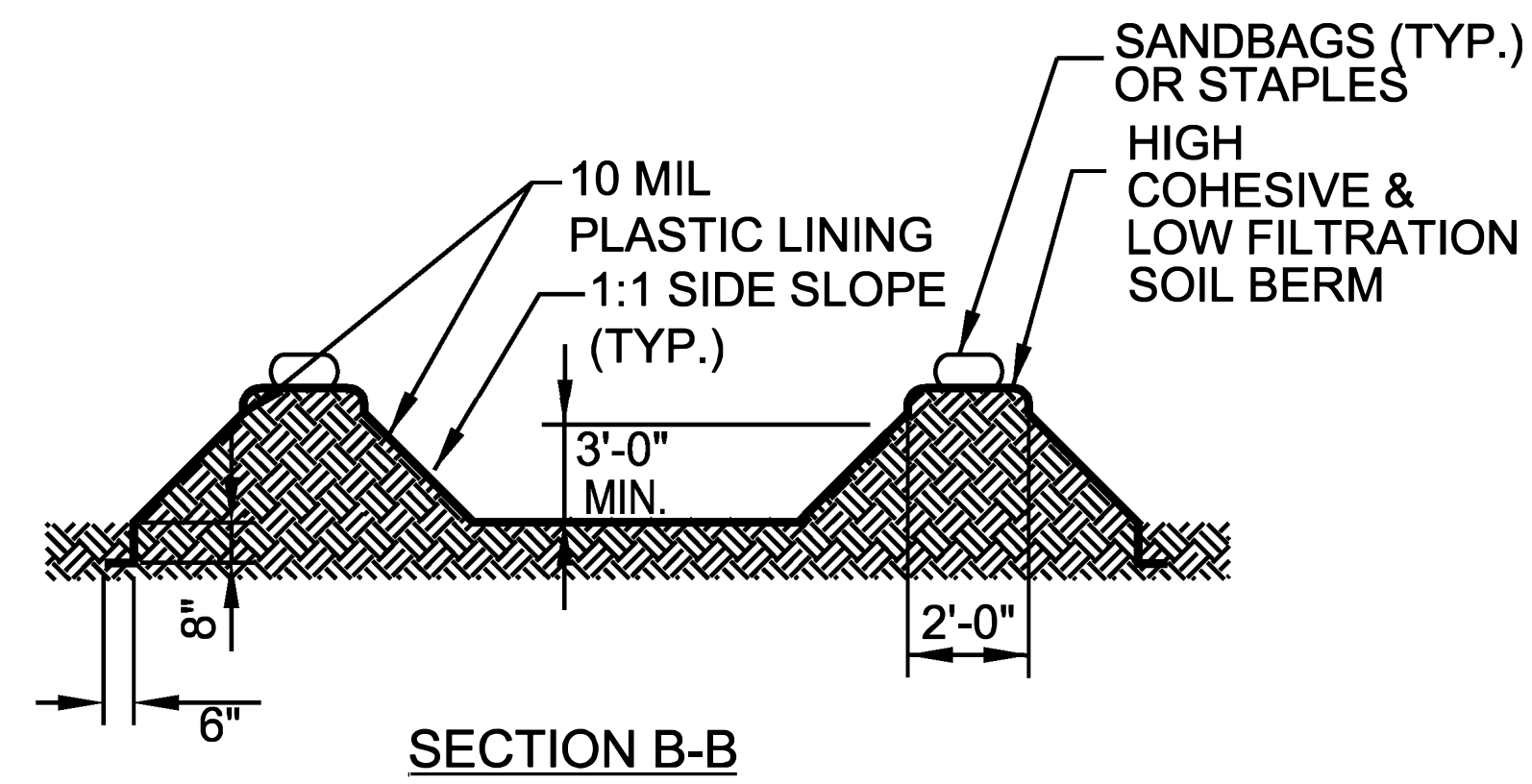
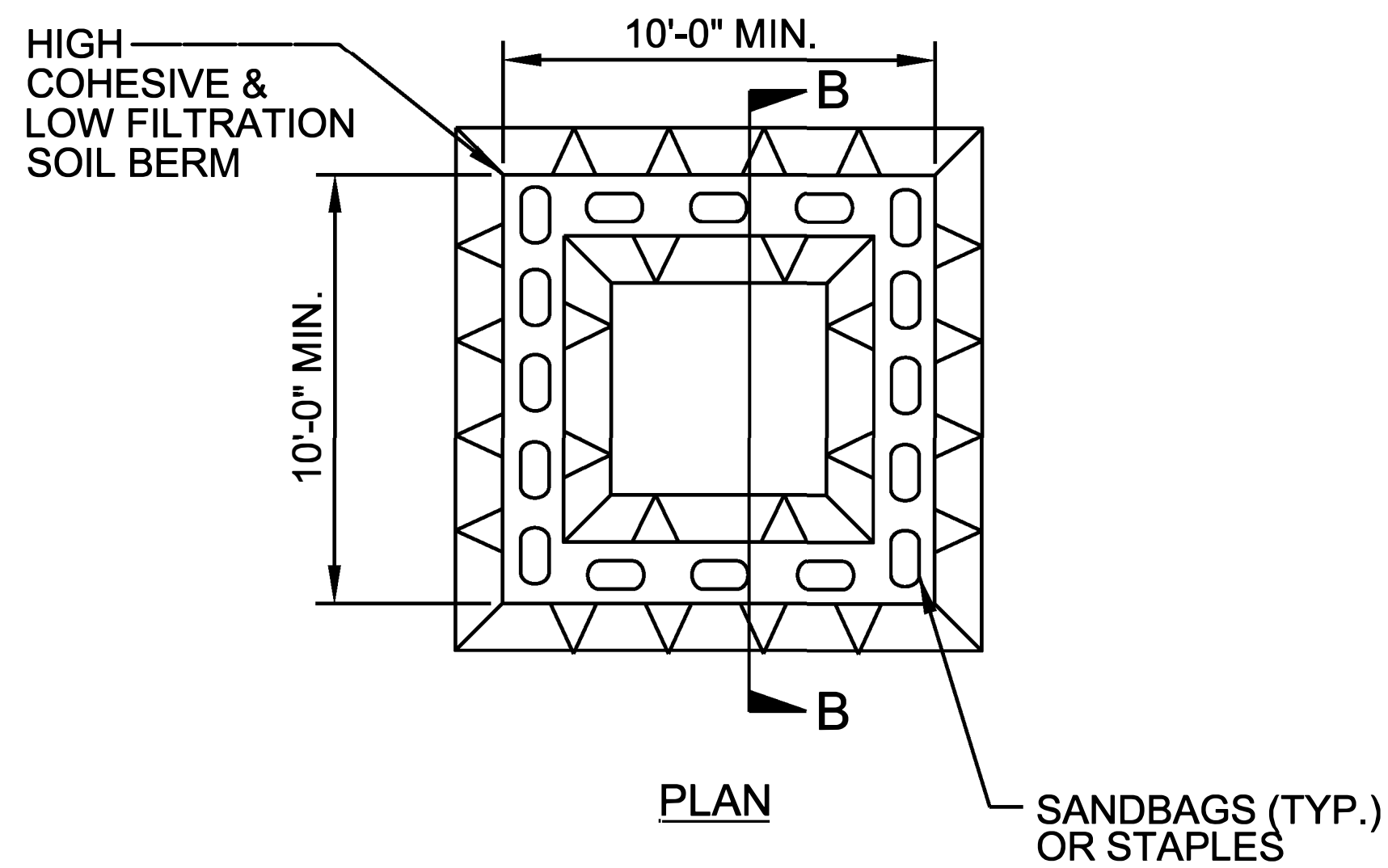
ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

PROJECT REFERENCE NO.	SHEET NO.
2027CPT.14.01.10201	12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PROJECT NO.	SHEET NO.	TOTAL NO.
2027CPT.14.01.10201, 2027CPT.14.01.20201 50943.3.8.		

SUMMARY OF QUANTITIES

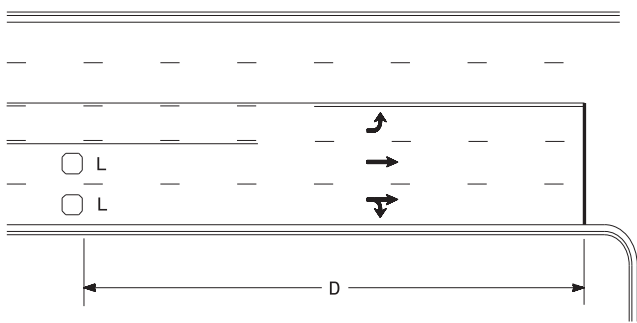
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	1245000000-E	1260000000-E	1297000000-E	1308000000-E	1330000000-E	1523000000-E	1575000000-E	1704000000-E	2549000000-E	2591000000-E	2612000000-E	2612500000-N	2815000000-N	2830000000-N	2845000000-N	4600000000-N		6000000000-E	6029000000-E	6117500000-N	7444000000-E	7456100000-E	
								SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	1½" MILLING	1" TO 5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	2-6" CURB & GUTTER	4" CONCRETE SIDEWALK	6" DRIVEWAYS	REMOVE AND REPLACE CONCRETE CURB RAMPS	ADJ. OF DROP INLET	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	GENERIC TRAFFIC CONTROL ITEM (EA) AUDIBLE WARNING DEVICE	GENERIC TRAFFIC CONTROL ITEM (EA) TEMPORARY CURB RAMP	TEMPORARY SILT FENCE	SAFETY FENCE	CONCRETE WASHOUT STRUCTURE	INDUCTIVE LOOP SAWCUT	LEAD-IN CABLE (14-2)					
2027CPT.14.01.10201	Cherokee	1	US-19 BUS N	FROM BRIDGE 71 TO MM 15.7	1	2	2WU	MI 0.750 FT 21	14.950	15.700		SMI	TON	SY	SY	TONS	TONS	TONS	LF	SY	SY	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	EA	LF	LF
TOTAL FOR MAP NO. 1								0.750											18,586	260	3,000	187	200			30	35						800.00	100.00
2027CPT.14.01.10201	Cherokee	2	US-19 BUS N	FROM MM 15.7 TO BEGINNING OF DIVIDED HWY	2	2	2WU	1.970	21	15.700	17.670			37,470		1,220	3,100	231	1,000					8	12	18								
TOTAL FOR MAP NO. 2								1.970						37,470		1,220	3,100	231	1,000					8	12	18								
TOTAL FOR PROJ NO. 2027CPT.14.01.10201								2.720						37,470	18,586	1,480	6,100	418	1,200					8	42	53							800.00	100.00
2027CPT.14.01.20201	Cherokee	3	SR-1618 / WHITAKER LN	FROM US-19 TO PVMT JOINT	3	2	2WU	0.060	40	0.400	0.460			1,175			70	4															430.00	50.00
TOTAL FOR MAP NO. 3								0.060						1,175			70	4															430.00	50.00
2027CPT.14.01.20201	Cherokee	4	SR-1444 / MILTON MASHBURN DR	FROM US-19 TO BRIDGE 256	2	2	2WU	0.130	21	0.000	0.130	0.26	39	1,970			165	10																
TOTAL FOR MAP NO. 4								0.130				0.26	39	1,970			165	10																
2027CPT.14.01.20201	Cherokee	5	SR-1389 / STEWART RD	FROM MM2.69 TO US-19 BUS	2	2	2WU	0.070	21	2.690	2.760	0.20	21	1,777			147	9									1							
TOTAL FOR MAP NO. 5								0.070				0.20	21	1,777			147	9								1								
2027CPT.14.01.20201	Cherokee	6	SR-1388 / COVER AVE	FROM US-19B TO PVMT CHANGE	2	2	2WU	0.160	20	2.190	2.350			2,479			208	17	101						5	1								
TOTAL FOR MAP NO. 6								0.160						2,479			208	17	101						5	1								
TOTAL FOR PROJ NO. 2027CPT.14.01.20201								0.420					0.46	60	7,401			590	40	101						5	2						430.00	50.00
50943.3.8	Cherokee	7	US-19 BUS N	FROM BRIDGE 71 TO BEGINNING OF DIVIDED HWY		2		2.720	21	14.950	17.670									600	180	310	50					1	1	100	100	12		
TOTAL FOR MAP NO. 7								2.720												600	180	310	50					1	1	100	100	12		
TOTAL FOR PROJ NO. 50943.3.8								2.720												600	180	310	50					1	1	100	100	12		
GRAND TOTAL								5.860					0.46	60	44,871	18,586	1,480	6,690	458	1,301	600	180	310	50	8	47	55	1	1	100	100	12	1,230.00	150.00

PROJECT NO.	SHEET NO.	TOTAL NO.
2027CPT.14.01.10201, 2027CPT.14.01.20201 50943.3.8,		

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH		WIDTH	BEGIN MP	END MP	4457000000-N	4685000000-E		4688000000-E		4695000000-E	4700000000-E	4704000000-E	4709000000-E	4720000000-E		4725000000-E	4810000000-E	4895000000-N			
								MI	FT				TEMPORARY TRAFFIC CONTROL	THERMOPLASTIC PAVEMENT MARKING LINES(4" X 90 MIL)(WHITE)	THERMOPLASTIC PAVEMENT MARKING LINES(4" X 90 MIL)(YELLOW)	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)(WHITE)	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)(YELLOW)	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)(WHITE)	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)(WHITE)	THERMOPLASTIC PAVEMENT MARKING LINES (16", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)(WHITE)	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	THERMO RXR 90 M	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	4" WHITE PAINT	GENERIC PAVEMENT MARKING ITEM - POLYCARBONATE H-SHAPED MARKERS			
													LS	LF	LF	LF	LF	LF	LF	EA	EA	EA	LF	EA					
2027CPT.14.01.10201	Cherokee	1	US-19 BUS N	FROM BRIDGE 71 TO MM 15.7	1	2	2WU	0.75	21	14.95	15.7	0.41	LF	LF	8,375	8,375	309	60	LF	1,854	8	EA	40	LF	150.00				
TOTAL FOR MAP NO. 1								0.75				0.41				8,375	8,375	309	60		1,854	8		40	150.00				
2027CPT.14.01.10201	Cherokee	2	US-19 BUS N	FROM MM 15.7 TO BEGINNING OF DIVIDED HWY	2	2	2WU	1.97	21	15.7	17.67	0.50	1,247	1,247	20,803	20,803		60		1,408	12			12	160.00				
TOTAL FOR MAP NO. 2								1.97				0.50	1,247	1,247	20,803	20,803		60		1,408	12			12	160.00				
TOTAL FOR PROJ NO. 2027CPT.14.01.10201								2.72				0.91	1,247	1,247	29,178	29,178	309	120		3,262	20			52	310.00				
													2,494		58,356														
2027CPT.14.01.20201	Cherokee	3	SR-1618 / WHITAKER LN	FROM US-19 TO PVMT JOINT	3	2	2WU	0.06	40	0.4	0.46	0.01	520	520						130			6						
TOTAL FOR MAP NO. 3								0.06				0.01	520	520						130			6						
2027CPT.14.01.20201	Cherokee	4	SR-1444 / MILTON MASHBURN DR	FROM US-19 TO BRIDGE 256	2	2	2WU	0.13	21	0	0.13	0.02	1,320	1,320						15									
TOTAL FOR MAP NO. 4								0.13				0.02	1,320	1,320						15									
2027CPT.14.01.20201	Cherokee	5	SR-1389 / STEWART RD	FROM MM2.69 TO US-19 BUS	2	2	2WU	0.07	21	2.69	2.76	0.02	950	950						20				1,900					
TOTAL FOR MAP NO. 5								0.07				0.02	950	950						20				1,900					
2027CPT.14.01.20201	Cherokee	6	SR-1388 / COVER AVE	FROM US-19B TO PVMT CHANGE	2	2	2WU	0.16	20	2.19	2.35	0.04	528	1,690			120		80	48		4							
TOTAL FOR MAP NO. 6								0.16				0.037	528	1,690			120		80	48		4.00							
TOTAL FOR PROJ NO. 2027CPT.14.01.20201								0.42				0.087	3,318	4,480			120		80	213		4.00	6	1,900					
													7,798																
50943.3.8	Cherokee	7	US-19 BUS N	FROM BRIDGE 71 TO BEGINNING OF DIVIDED HWY		2		2.72	21	14.95	17.67																		
TOTAL FOR MAP NO. 7								2.72																					
TOTAL FOR PROJ NO. 50943.3.8								2.72																					
GRAND TOTAL								5.86					1.000	4,565	5,727	29,178	29,178	429	120	80	3,475	20	4.00	58	1,900	310			
													10,292		58,356														

High Speed Detection
(≥40 mph)

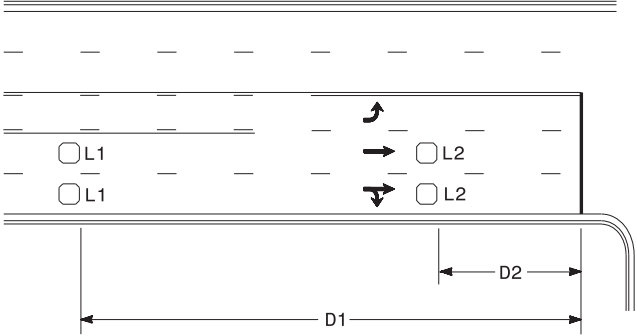


Speed Limit mph	D ft
40	250
45	300
50	355
55	420

L = 6ft X 6ft
Wired separately

Volume Density Operation

OR



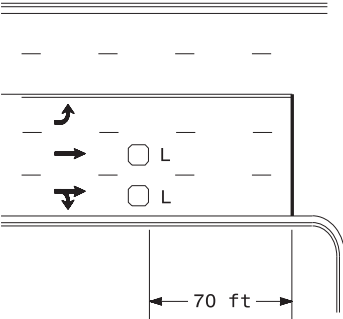
Speed Limit mph	D1 ft	D2 ft
40	250	80
45	300	90
50	355	100
55	420	110

L1 = 6ft X 6ft
Wired in series

L2 = 6ft X 6ft
Wired in series

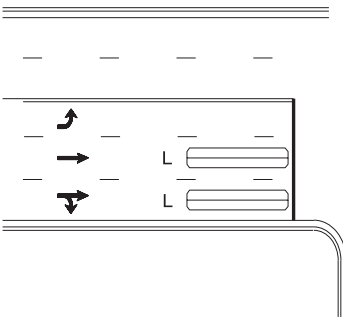
"Stretch" Operation

Low Speed Detection
(≤35 mph)



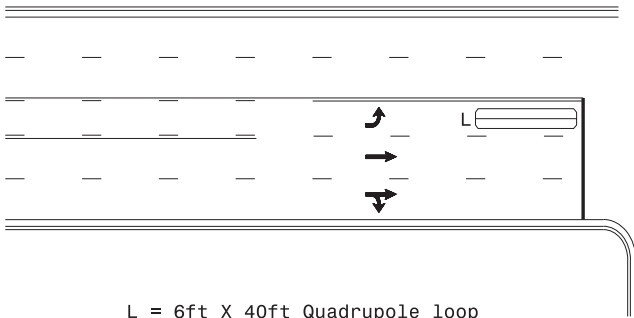
L = 6ft X 6ft
Wired in series

OR



L = 6ft X 40ft
Quadrupole loop, wired separately

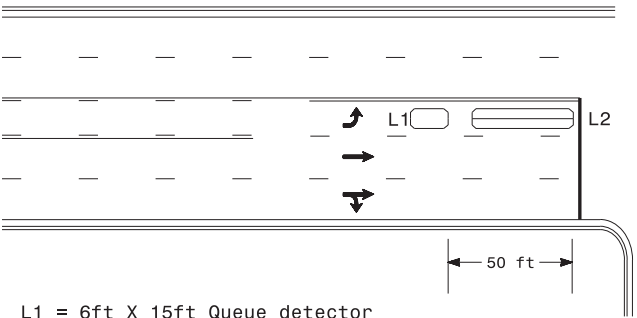
Left Turn Lane Detection



L = 6ft X 40ft Quadrupole loop

Presence Loop Detection

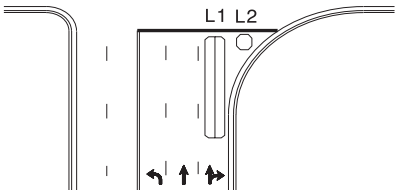
OR



L1 = 6ft X 15ft Queue detector
L2 = 6ft X 40ft Quadrupole loop

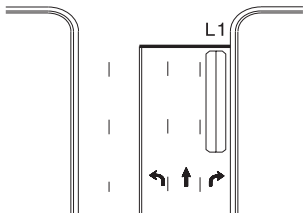
Queue Loop Detection

Right Turn Lane Detection

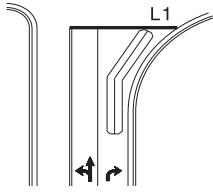


Shared Lane/
Wide Radius Turn

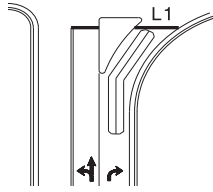
L1 = 6ft X 40ft Quadrupole loop
L2 = 6ft X 6ft [Minimum] Presence loop
Wired separately



Standard Turn

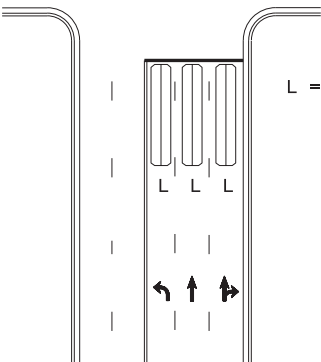


Wide Radius Turn



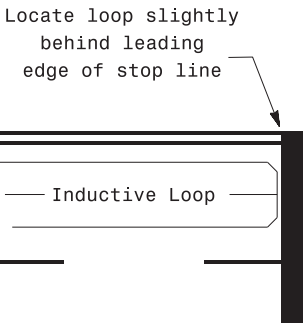
Channelized Turn

Side Street Detection



L = 6ft X 40ft
Quadrupole loop
Wired to separate
detectors/channels

Presence Loop Placement at Stop Lines



Note:
Loop may be located in advance
of stop line under any of the
following conditions:
1) stop line is greater than 15'
from edge of intersecting
roadway
2) loop detects a permissive or
protected/permissive left turn
3) for an exclusive right turn
lane

Recommended Number of Turns

Single 6' X 6' loop
(when wired separately):

Length of Lead-in ft	Number of Turns
< 250	3
250-375	4
375-525	5
> 525	6

Quadrupole loops: Use 2-4-2 turns

6' X 15' Loops:
Lead-in < 150', use 2 turns
Lead-in > 150', use 3 turns

Prepared in the Offices of:

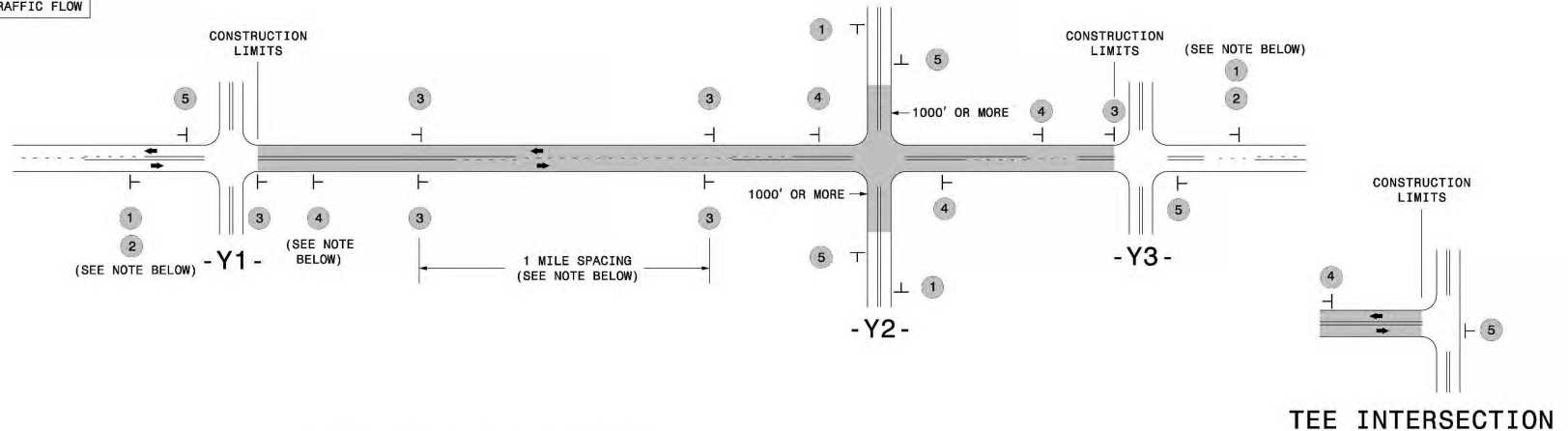
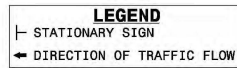
750 N. Greenfield Pkwy, Garner, NC 27529

PLAN DATE: September 2020
PREPARED BY: PLA
REVIEWED BY: JPG
REVIEWED BY:
SCALE
N/A

Typical Signal Loop Locations
PLAN DATE: September 2020
PREPARED BY: PLA
REVIEWED BY: JPG
REVIEWED BY:
INIT. DATE
DATE

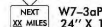
SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
029904
JASON P. GALLOWAY
9/8/2020
DATE
SIG. INVENTORY NO.

SIGNING FOR RESURFACING PROJECTS



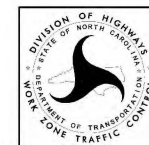
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1  2 	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. #2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	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.   PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.
	3 	- 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 	- 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 END ROAD WORK 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.		

MAPS LESS
THAN 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.



ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING