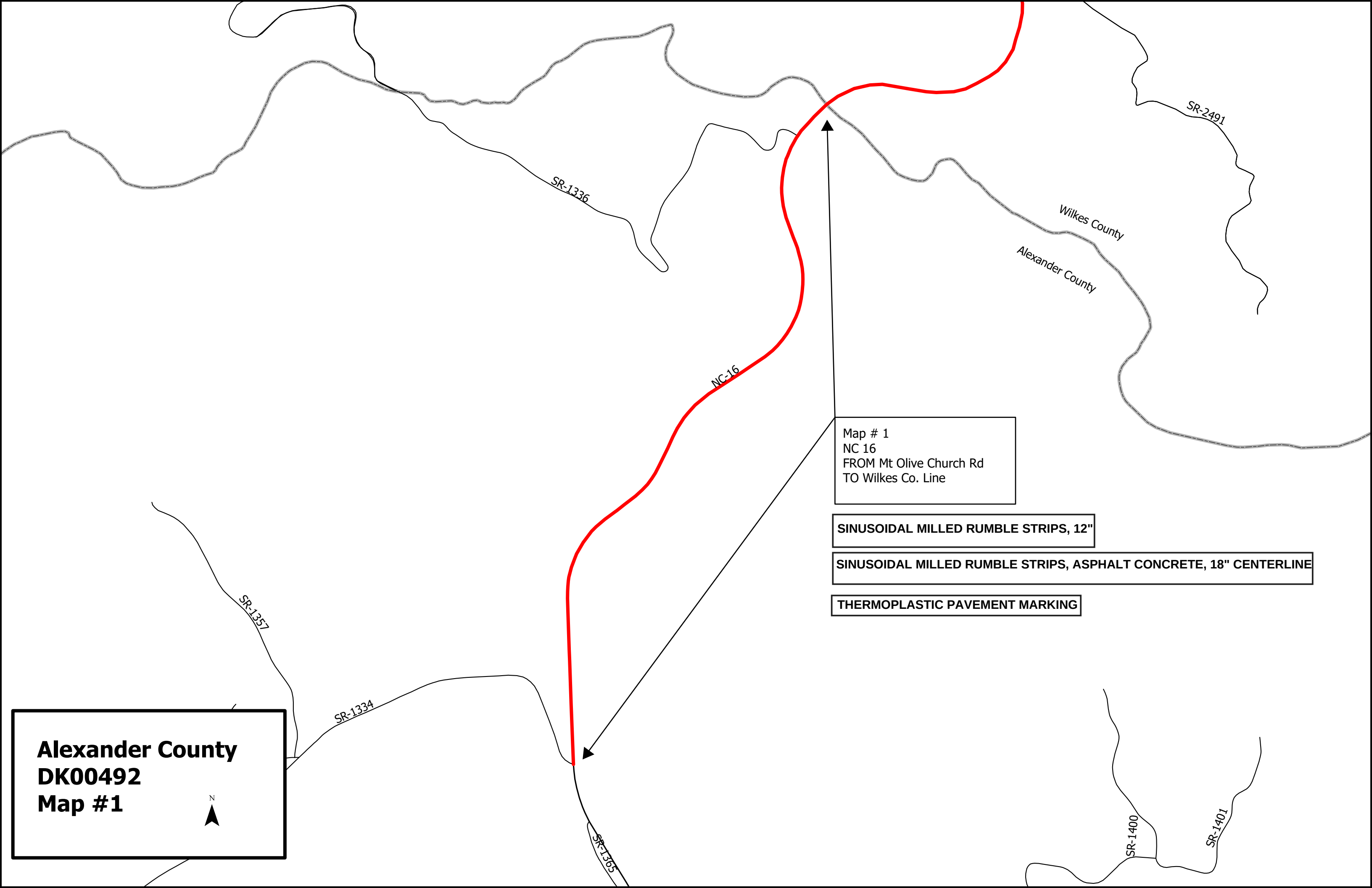


																PROJECT NO.	SHEET NO.	
																DK00492	1	
Summary of Quantities																		
								1881000000-E	1881000000-E	1881000000-E	1881000000-E	7642300000-N	7980000000-N	4688000000-E		4846000000-E		4850000000-E
				Begin Milepost	End Milepost	Lanes	Length	SINUSOIDAL MILLED RUMBLE STRIPS, 12" <i>EDGE</i> LINE	SINUSOIDAL MILLED RUMBLE STRIPS, 12"	SINUSOIDAL MILLED RUMBLE STRIPS, ASPHALT CONCRETE, 18" CENTER OF ROADWAY	SINUSOIDAL MILLED RUMBLE STRIPS, ASPHALT CONCRETE, 18", CENTERLINE	TYPE III PEDESTAL WITH FOUNDATION	SOLAR POWERED FLASHING BEACON	THERMOPLASTIC PAVEMENT MARKING LINES YELLOW (6", 90 MIL)	THERMOPLASTIC PAVEMENT MARKING LINES WHITE (6", 90 MIL)	POLYUREA PAVEMENT MARKING, WHITE 6", 30 MIL	POLYUREA PAVEMENT MARKING, YELLOW 6", 30 MIL	REMOVAL OF PAVEMENT MARKING LINES 4"
Project No	County	Route	Description															
								LINEAR FOOT	LINEAR FOOT	LINEAR FOOT	LINEAR FOOT	EACH	EACH	LINEAR FOOT	LINEAR FOOT	LINEAR FOOT	LINEAR FOOT	LINEAR FOOT
51921.3.4	Alexander	NC 16	Mt Olive Church Road to Wilkes County Line	15.22	16.70	2	1.48		15629.00		7814.00			15628.00	17678.00			17678.00
51921.3.4	Wilkes	NC 16	Alexander County Line to SR 2467	0.00	4.93	2	4.93		52061.00		26031.00			52061.00	55061.00			55061.00
51921.3.4	Wilkes	NC 16	From Begin Divided Highway to On/Off Ramp of US 421	6.55	7.68	4	1.13		11933.00					11933.00	15500.00			27433.00
			TOTAL FOR PROJECT 51921.3.4				6.41		79623.00		33845.00			79622.00	88239.00			100172.00
51921.3.3	Watauga	US 421	From US 321 to Tennessee State Line	19.77	26.58		6.81	71914.00			35957.00					74094.00	75649.00	3735.00
			TOTAL FOR PROJECT 51921.3.3				6.81	71914.00			35957.00					74094.00	75649.00	3735.00
51921.3.2	Watauga	US 321	From Beginning of Double Yellow Centerline at SR 1539 (Edminsten Road) to the End of Double Yellow Centerline at SR 1602 (Fairway Drive)	9.78	13.82	4	4.04			21400.00		2.00	2.00			55000.00	86000.00	141000.00
51921.3.2	Watauga	US 321	From SR 1602 (Fairway Drive) to SR 1522 (Deerfield Road)	13.82	14	5	0.18									2400.00	2400.00	4800.00
51921.3.2	Watauga	US 321	From SR 1632 (Possum Hollow Road) to Entrance to Beginning of Divided Highway	8.94	9.39	4	0.45				2376.00					5940.00	4752.00	5940.00
51921.3.2	Watauga	US 321	From Beginning of Divided Highway to Edminsten Road	9.39	9.78	4	0.39									5150.00	4120.00	9270.00
			TOTAL FOR PROJECT 51921.3.2				5.06			21400.00	2376.00	2.00	2.00			68490.00	97272.00	161010.00
TOTAL FOR PROJECT							18.28	71914.00	79623.00	21400.00	72178.00	2.00	2.00	79622.00	88239.00	142584.00	172921.00	264917.00
Grand Total														167861.00		315505.00		

[Mile Posting Map](#)



SR-2491

Wilkes County

Alexander County

NC-16

SR-1336

SR-1357

SR-1334

SR-1365

SR-1400

SR-1401

Map # 1
NC 16
FROM Mt Olive Church Rd
TO Wilkes Co. Line

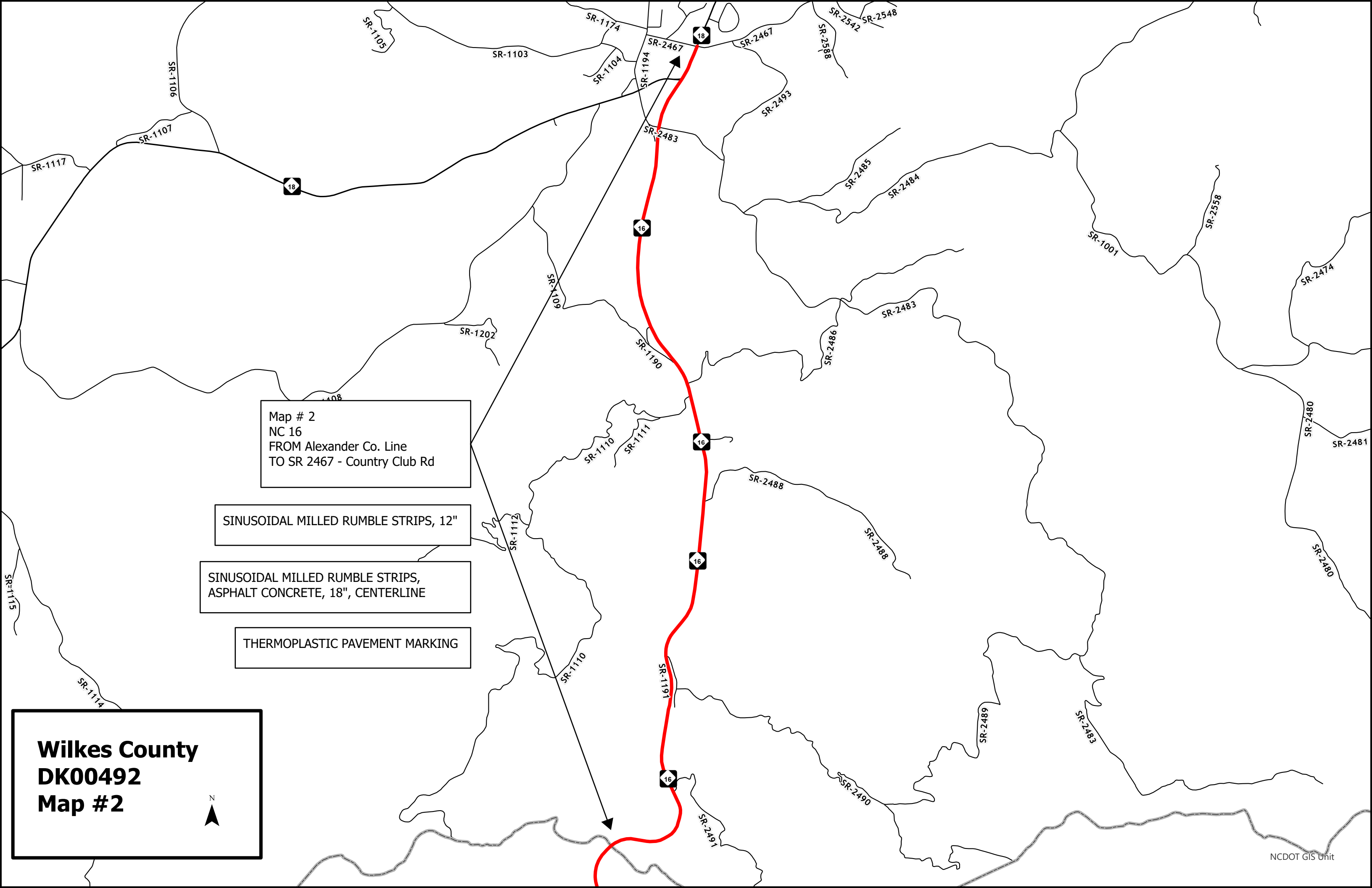
SINUSOIDAL MILLED RUMBLE STRIPS, 12"

SINUSOIDAL MILLED RUMBLE STRIPS, ASPHALT CONCRETE, 18" CENTERLINE

THERMOPLASTIC PAVEMENT MARKING

Alexander County
DK00492
Map #1





Map # 2
NC 16
FROM Alexander Co. Line
TO SR 2467 - Country Club Rd

SINUSOIDAL MILLED RUMBLE STRIPS, 12"

SINUSOIDAL MILLED RUMBLE STRIPS,
ASPHALT CONCRETE, 18", CENTERLINE

THERMOPLASTIC PAVEMENT MARKING

Wilkes County

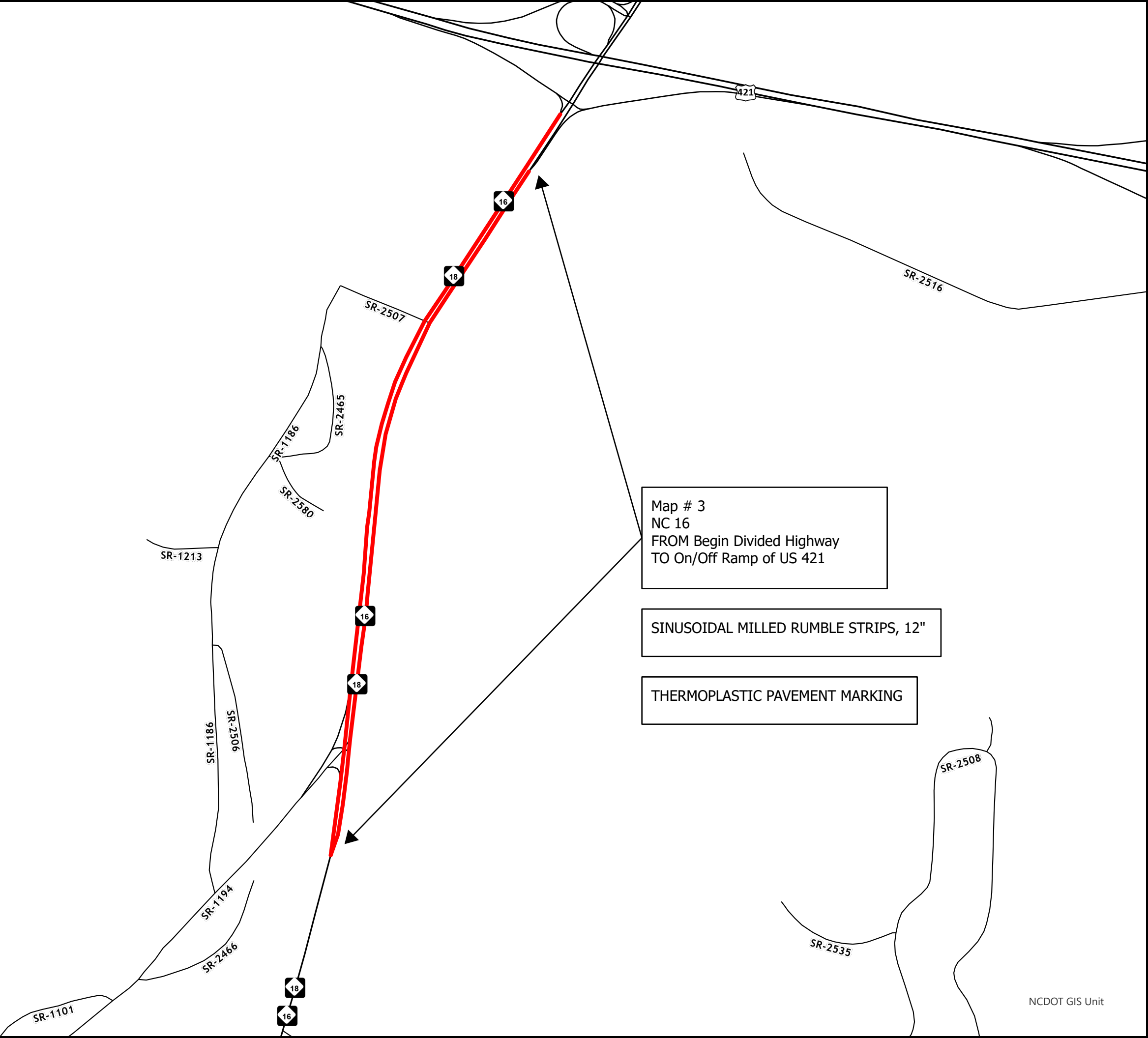
DK00492

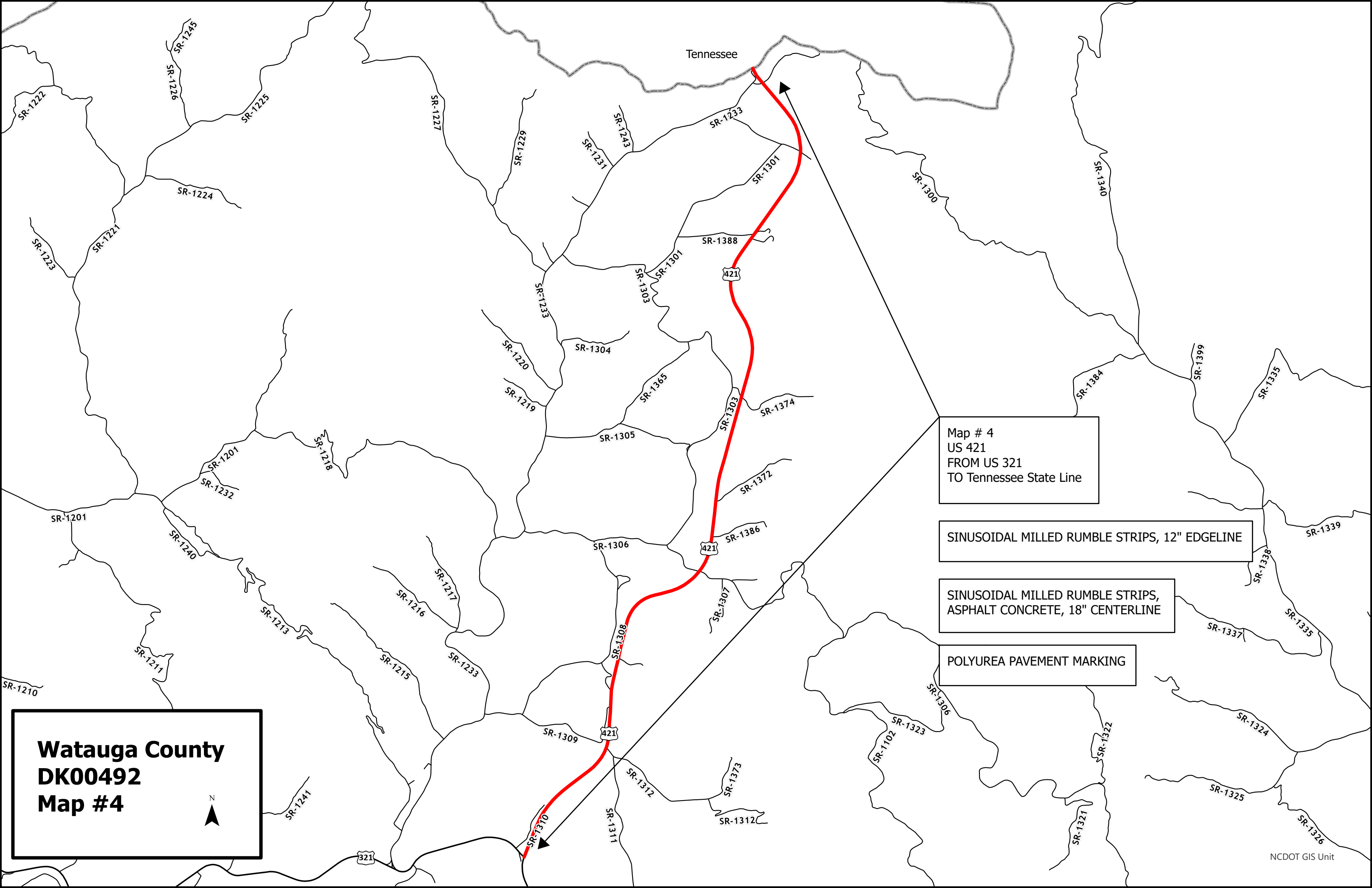
Map #2

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**Wilkes County
DK00492
Map #3**





Tennessee

Map # 4
US 421
FROM US 321
TO Tennessee State Line

SINUSOIDAL MILLED RUMBLE STRIPS, 12" EDGELINE

SINUSOIDAL MILLED RUMBLE STRIPS,
ASPHALT CONCRETE, 18" CENTERLINE

POLYUREA PAVEMENT MARKING

Watauga County
DK00492
Map #4



Map # 5
US 321
FROM Begin Double Yellow Centerline - SR 1539
TO End Double Yellow Centerline - SR 1602

SINUSOIDAL MILLED RUMBLE STRIPS, ASPHALT
CONCRETE, 18" CENTER OF ROADWAY

POLYUREA PAVEMENT MARKING

TYPE III PEDESTAL WITH FOUNDATION
SOLAR FLASHER VEHICLE SIGNAL HEAD

Watauga County

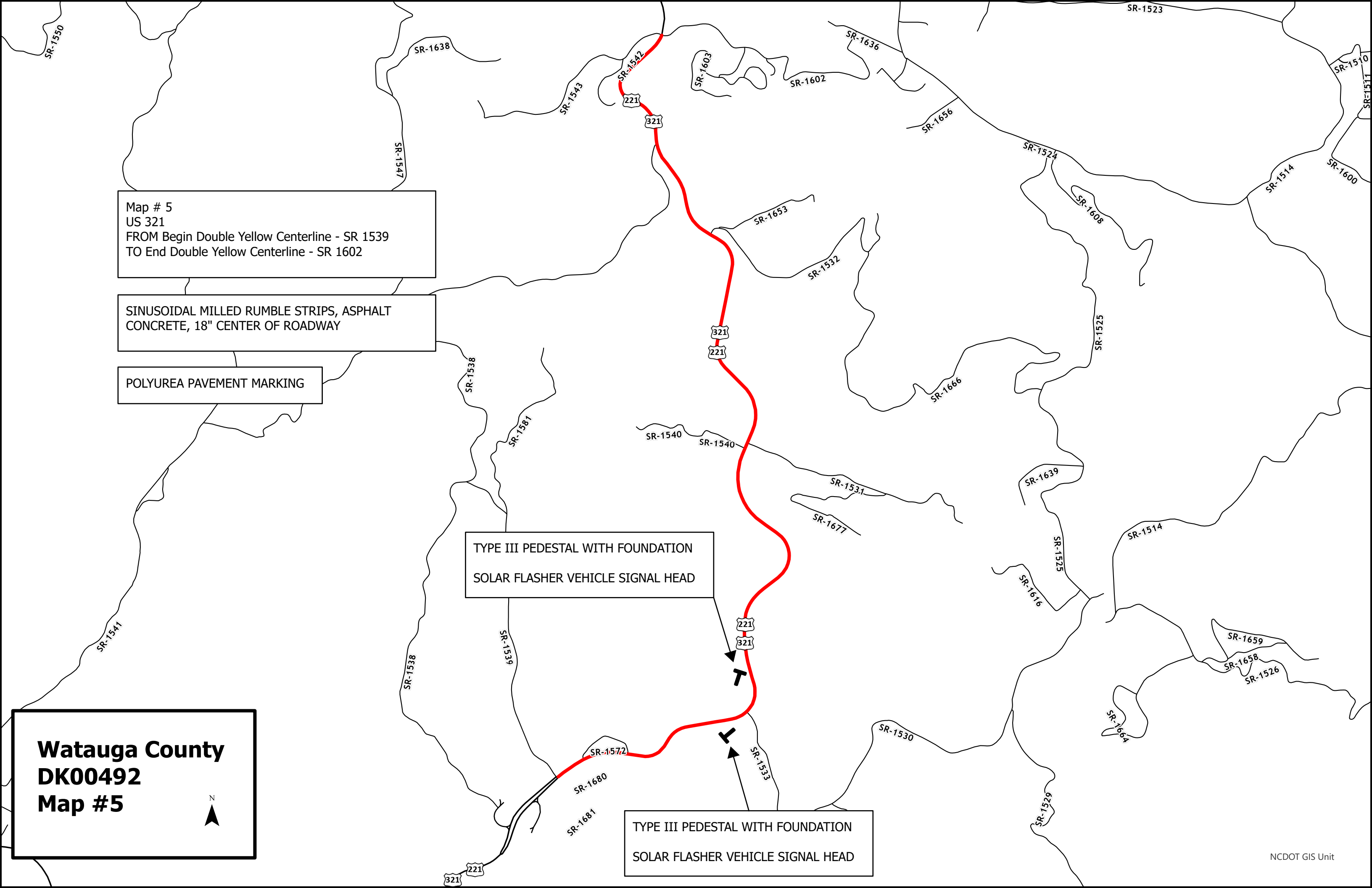
DK00492

Map #5

N

▲

TYPE III PEDESTAL WITH FOUNDATION
SOLAR FLASHER VEHICLE SIGNAL HEAD



Map # 6
US 321
FROM SR 1602 - Fairview Dr
TO SR 1522 - Deerfield Rd

POLYUREA PAVEMENT MARKING

Watauga County
DK00492
Map #6



Watauga County
DK00492
Map #7



SR-1682

SR-1632

221
321

321

221

221

321

Map # 7
US 321
FROM SR 1632 - Possum Hollow Rd
TO Beginning of Divided Highway

SINUSOIDAL MILLED RUMBLE STRIPS
ASPHALT CONCRETE
18" CENTERLINE

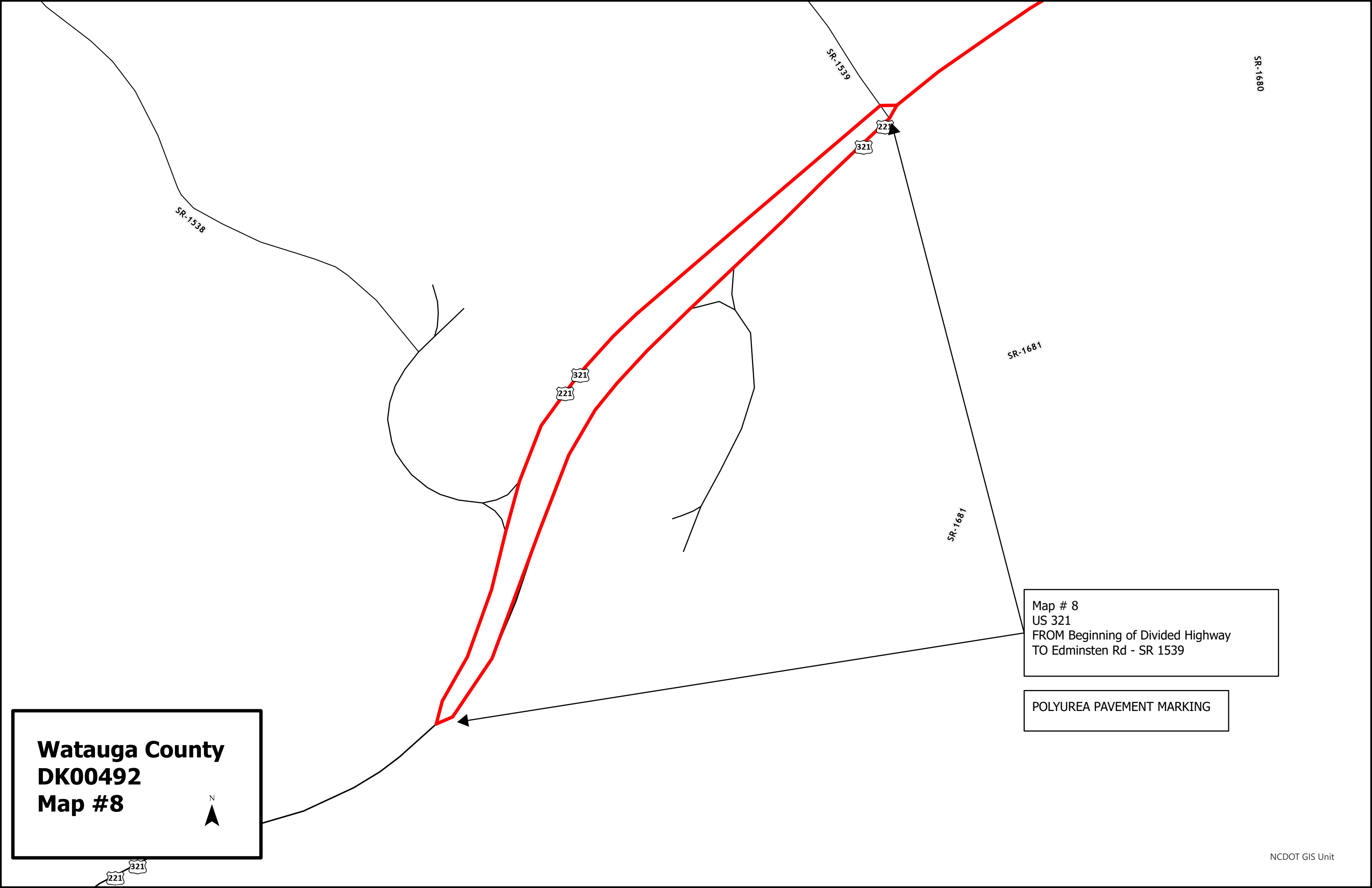
POLYUREA PAVEMENT MARKING

Watauga County
DK00492
Map #8

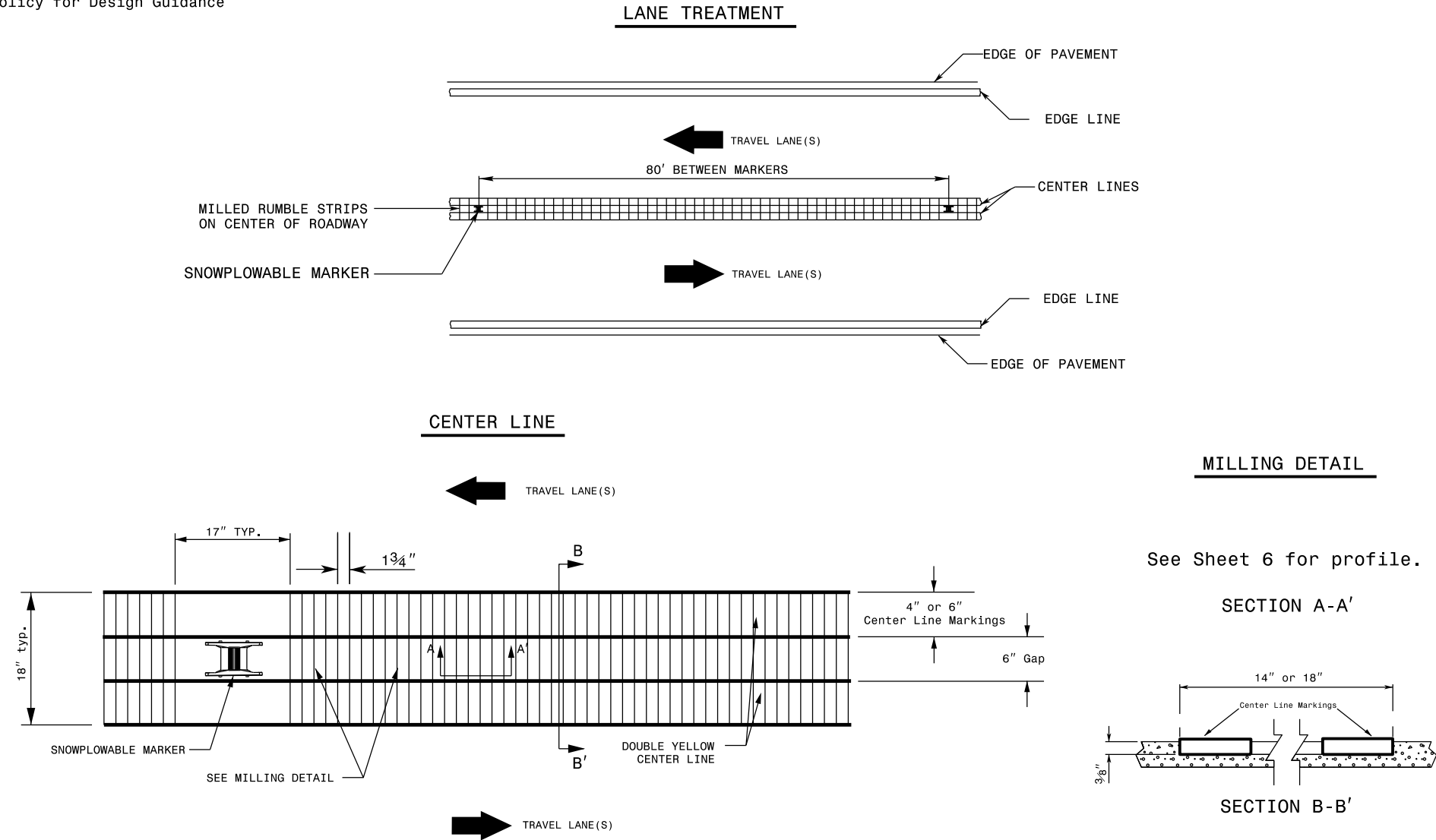


Map # 8
US 321
FROM Beginning of Divided Highway
TO Edminsten Rd - SR 1539

POLYUREA PAVEMENT MARKING



See Table 2 within Rumble Strip
Policy for Design Guidance



REFERENCE DRAWING ID: Sin.CL with Snowplowable Markers

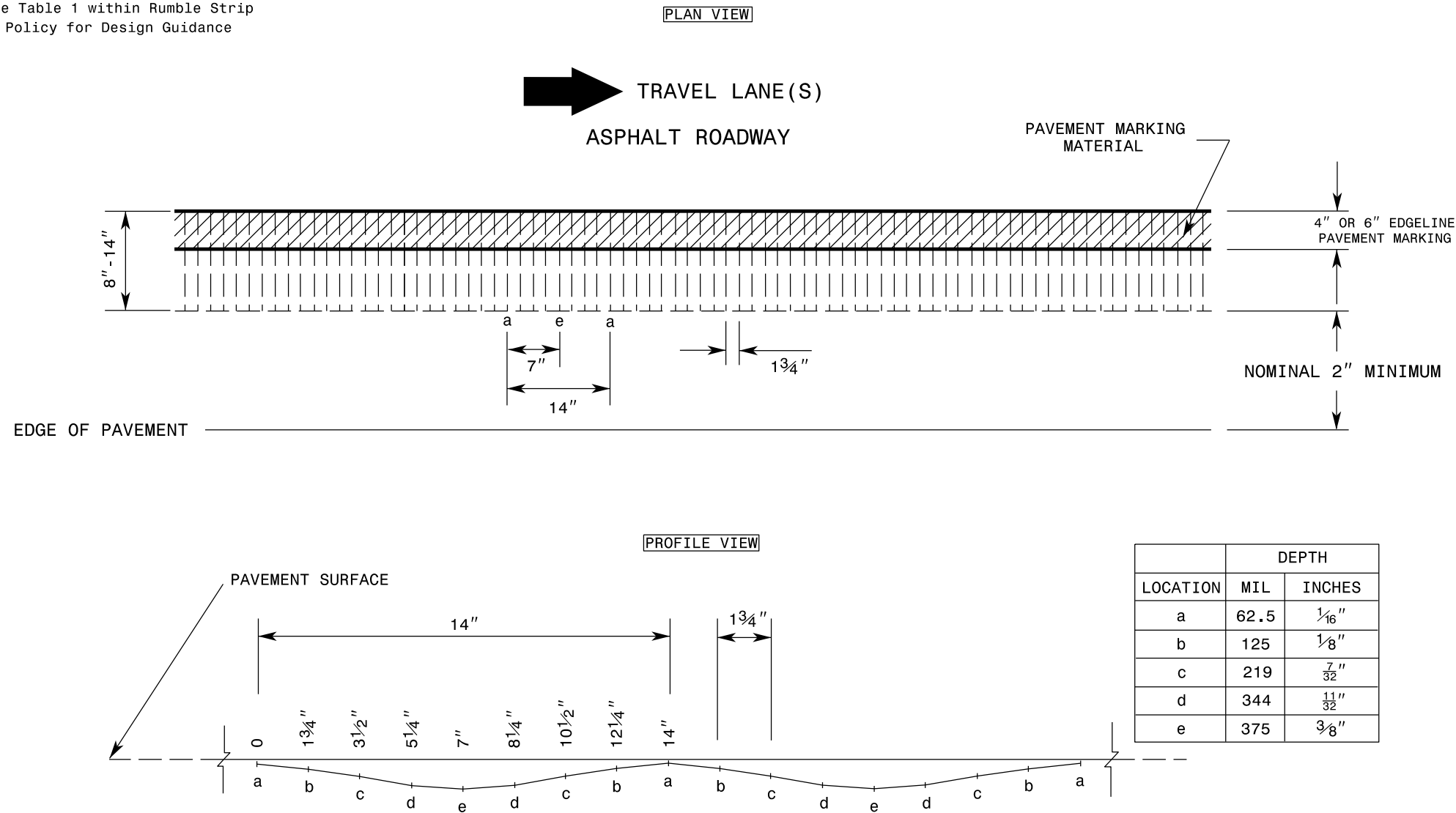
- NOTES:**
- 1) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
 - 2) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.
 - 3) INSTALL SNOWFLOWABLE MARKERS AT APPROXIMATELY 80' INCREMENTS. DO NOT MILL RUMBLE STRIPS IN SECTION WHERE SNOWFLOWABLE MARKERS ARE INSTALLED.

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

ROADWAY DETAIL DRAWING FOR
RUMBLE STRIPS / STRIPES
SINUSOIDAL CENTERLINE RUMBLE STRIPE WITH SNOWFLOWABLE MARKERS

SHEET 8 OF 9

See Table 1 within Rumble Strip
Policy for Design Guidance



REFERENCE DRAWING ID: Sin.Stripe

NOTES:

- 1) Specification in table taken from MNDOT Research Project Final Report 2016-23; *Sinusoidal Rumble Strip Design Optimization Study By: Terhaar et. al, June 2016*
- 2) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
- 3) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.

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

ROADWAY DETAIL DRAWING FOR
RUMBLE STRIPS / STRIPES
SINUSOIDAL EDGELINE RUMBLE STRIPE

SHEET 4 OF 9

