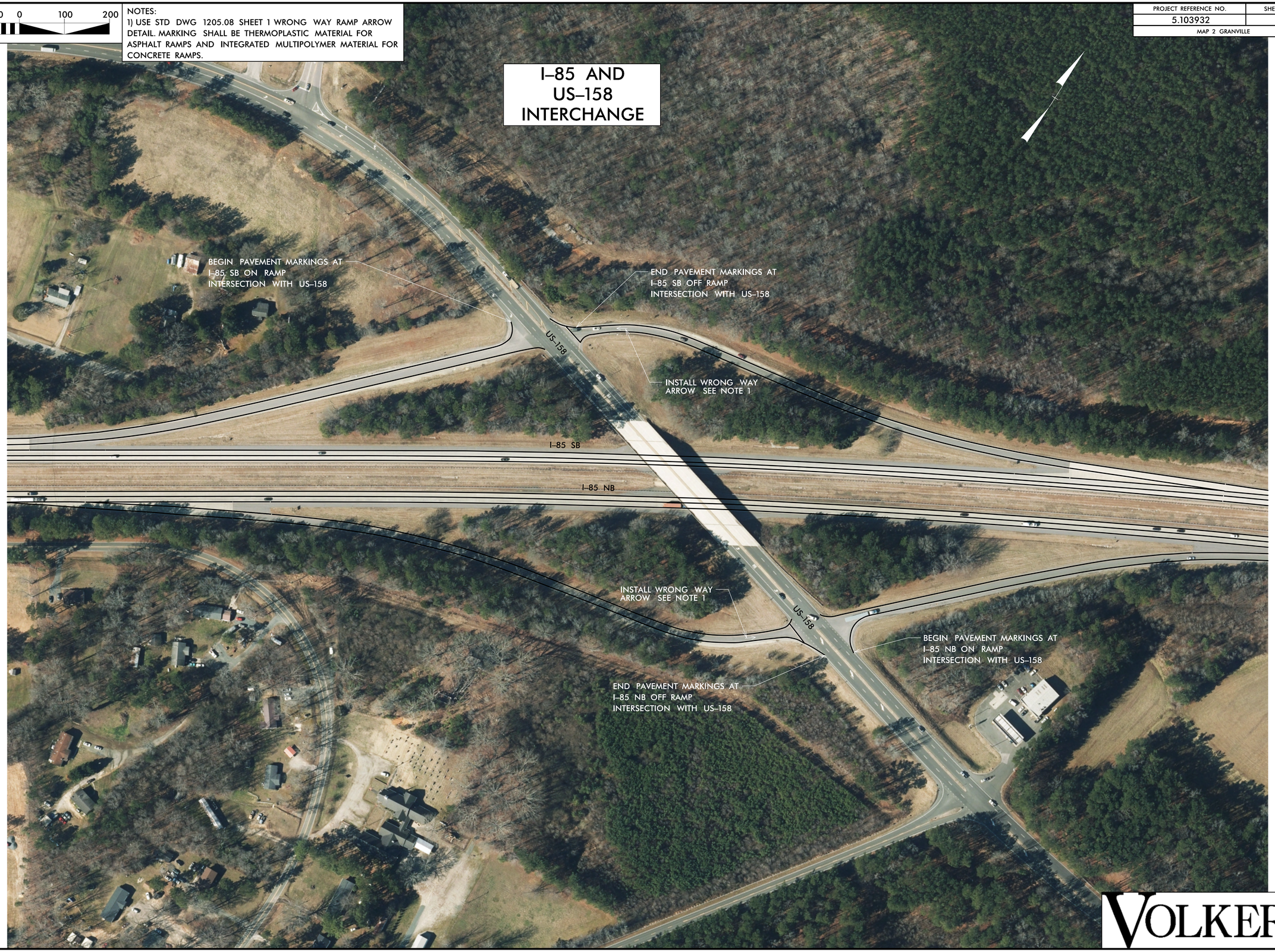
PROJECT REFERENCE NO.	SHEET NO.
5.103932	6
MAP 2 GRANVILLE	

NOTES:
1) USE STD DWG 1205.08 SHEET 1 WRONG WAY RAMP ARROW DETAIL. MARKING SHALL BE THERMOPLASTIC MATERIAL FOR ASPHALT RAMPS AND INTEGRATED MULTIPOLYMER MATERIAL FOR CONCRETE RAMPS.

100 50 0 100 200

I–85 AND US–158 INTERCHANGE



REVISIONS

8/17/99

2/14/2024
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PROJECT REFERENCE NO.	SHEET NO.
5.103932	7
MAP 2 GRANVILLE	

REVISIONS

8/17/99

2/13/2024
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PROJECT NO.	SHEET NO.	TOTAL NO.
5.103932	8	

SUMMARY OF QUANTITIES

CONTRACT ME00045

PROJECT NO	COUNTY	MAP# / PSH#	DECRIPTION	TYPE	Direction	4424000000-N WORK ZONE PRESENCE LIGHTING	4434000000-N SEQUENTIAL FLASHING WARNING LIGHTS	4510000000-N LAW ENFORCEMENT	4725000000-E THERMO (90 MILS) SYMBOL **STRAIGHT/ LEFT** ARROW (90 MIL)	THERMO (90 MILS) SYMBOL **ELONGATED STR** ARROW	THERMO (90 MILS) SYMBOL RT ARROW	THERMO (90 MILS) SYMBOL MERGE ARROW	THERMO (90 MILS) SYMBOL **WRONG WAY ARROW**	4905100000-N NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	4685000000-E THERMO WHITE EDGELINE (4", 90 MIL)	THERMO YELLOW EDGELINE (4", 90 MIL)	4695000000-E THERMO WHITE GORELINE (8", 90 MIL)	4709000000-E THERMO WHITE **STOP BAR** (24", 90 MIL)	4890000000-E INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) BLACK (SKIP & MINISKIPS)	4890000000-E INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) WHITE EDGELINE	INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) WHITE 10' SKIP	INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) 3 FT. - 9 FT./SP WHITE MINISKIP	INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL)YELLOW EDGELINE	4890000000-E INTEGRATED MULTIPOLYMER MARKING LINES (8", 90 MIL) WHITE GORELINE	4890000000-E INTEGRATED MULTIPOLYMER MARKING LINES (12", 90 MIL) WHITE GORELINE
						EA	EA	HR	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
5.103932	GRANVILLE	2/1	I-85 FROM NORTH OF NC 56 TO VANCE CO LINE	MAINLINE	SB	14	18	40	1	1	1	15						16	23,775	167,860	22,660	1,115	90,205	575	3,810
5.103932	GRANVILLE	2/1	I-85 ROM NORTH OF NC 56 TO VANCE CO LINE	MAINLINE	NB	14	18	40			1	12							23,845	88,325	23,835	1,015	89,260	475	4,410
5.103932	GRANVILLE	2/3	SB RAMP INTERSECTION WITH REST AREA	INTERCHANGE	SB								1	14	805	521	300								
5.103932	GRANVILLE	2/4	SB RAMP INTERSECTION WITH US 15	INTERCHANGE	SB				2				1	14	2,685	2,250	395	60							
5.103932	GRANVILLE	2/5	SB RAMP INTERSECTION WITH NC 96	INTERCHANGE	SB				1		1		1	14	2,375	2,050	390	62							
5.103932	GRANVILLE	2/6	SB RAMP INTERSECTION WITH US-158	INTERCHANGE	SB								1	14	2,360	2,210	405	54							
5.103932	GRANVILLE	2/3	NB RAMP INTERSECTION WITH REST AREA	INTERCHANGE	NB								1	14	925	625	565								
5.103932	GRANVILLE	2/4	NB RAMP INTERSECTION WITH US 15	INTERCHANGE	NB								1	14	2,820	2,375	145	60							
5.103932	GRANVILLE	2/5	NB RAMP INTERSECTION WITH NC 96	INTERCHANGE	NB				1		1		1	14	2,185	2,035	240								
5.103932	GRANVILLE	2/6	NB RAMP INTERSECTION WITH US-158	INTERCHANGE	NB								1	14	2,345	2,145	170								
TOTAL						28	36	80	5	1	4	27	8	112	16500	14211	2610	252	47620	256185	46495	2130	179465	1050	8220
GRAND TOTAL						28	36	80	45					112	30711		2610	252	47620	484275				1050	8220

CONTRACT ME00045

PROJECT NO	COUNTY	MAP# / PSH#	DECRIPTION	TYPE	Direction	4850000000-E REMOVAL OF PAVEMENT MARKING LINES (4")	4855000000-E REMOVAL OF PAVEMENT MARKING LINES (6")	4860000000-E REMOVAL OF PAVEMENT MARKING LINES (8")	4865000000-E REMOVAL OF PAVEMENT MARKING LINES (12")	4870000000-E REMOVAL OF PAVEMENT MARKING LINES (24")	4875000000-N REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
						LF	LF	LF	LF	LF	EA
5.103932	GRANVILLE	2/1	I-85 FROM NORTH OF NC 56 TO VANCE CO LINE	MAINLINE	SB	0	305,615	575	3,810	16	18
5.103932	GRANVILLE	2/1	I-85 ROM NORTH OF NC 56 TO VANCE CO LINE	MAINLINE	NB	0	226,280	475	4,410	0	13
5.103932	GRANVILLE	2/3	SB RAMP INTERSECTION WITH REST AREA	INTERCHANGE	SB	1,326	0	300	0	0	0
5.103932	GRANVILLE	2/4	SB RAMP INTERSECTION WITH US 15	INTERCHANGE	SB	4,935	0	395	0	60	2
5.103932	GRANVILLE	2/5	SB RAMP INTERSECTION WITH NC 96	INTERCHANGE	SB	4,425	0	390	0	62	2
5.103932	GRANVILLE	2/6	SB RAMP INTERSECTION WITH US-158	INTERCHANGE	SB	4,570	0	405	0	54	0
5.103932	GRANVILLE	2/3	NB RAMP INTERSECTION WITH REST AREA	INTERCHANGE	NB	1,550	0	565	0	0	0
5.103932	GRANVILLE	2/4	NB RAMP INTERSECTION WITH US 15	INTERCHANGE	NB	5,195	0	145	0	60	0
5.103932	GRANVILLE	2/5	NB RAMP INTERSECTION WITH NC 96	INTERCHANGE	NB	4,220	0	240	0	0	2
5.103932	GRANVILLE	2/6	NB RAMP INTERSECTION WITH US-158	INTERCHANGE	NB	4,490	0	170	0	0	0
TOTAL						30711	531895	3660	8220	252	37
GRAND TOTAL						30711	531895	3660	8220	252	37

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

8-18

ENGLISH DETAIL DRAWING FOR

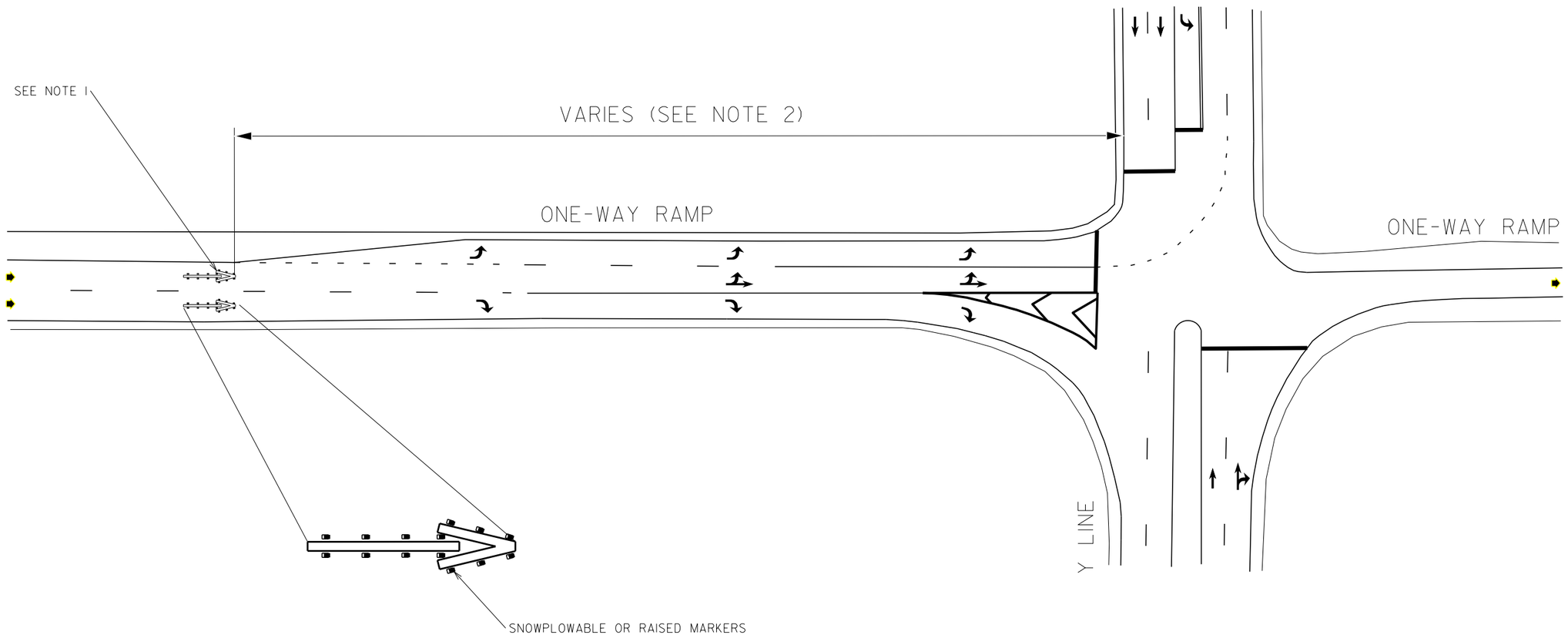
PAVEMENT MARKINGS

WRONG WAY RAMP ARROW

TWO-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 1 OF 2

ASPHALT TREATMENT



NOTES:

1) REFER TO THE ROADWAY STANDARD DRAWING 1205.08, SHEET 1, FOR RAMP ARROW DIMENSIONS AND MARKER PLACEMENT.

2) PLACEMENT OF WRONG-WAY RAMP ARROW VARIES AND SHOULD BE LOCATED JUST BEFORE THE MULTI-LANE APPROACH.

3) MARKING SHALL BE THERMOPLASTIC MATERIAL.

LEGEND

DIRECTION OF TRAFFIC FLOW

PAVEMENT MARKING SYMBOLS

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

8-18

ENGLISH DETAIL DRAWING FOR

PAVEMENT MARKINGS

WRONG WAY RAMP ARROW

TWO-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 1 OF 2

04-12-2016

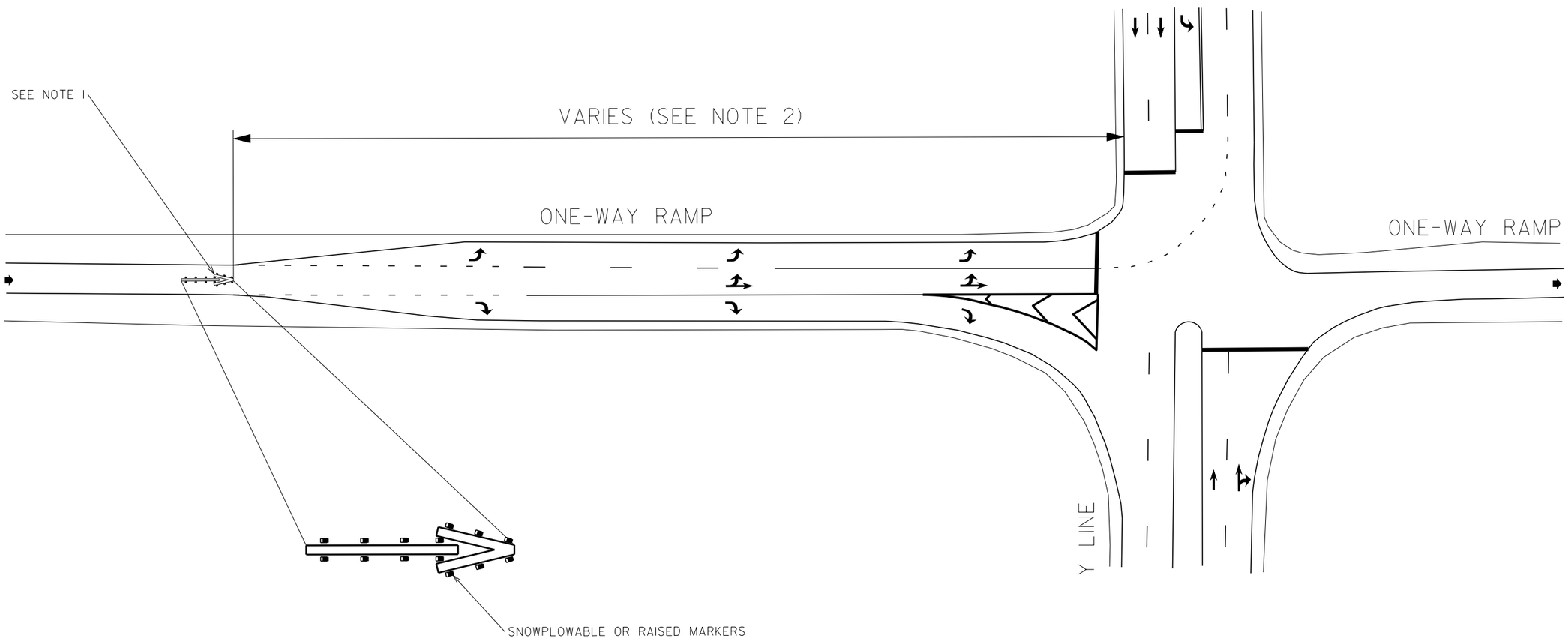
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

8-18

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
WRONG WAY RAMP ARROW
ONE-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 1 OF 2

ASPHALT TREATMENT



NOTES:

1) REFER TO THE ROADWAY STANDARD DRAWING 1205.08, SHEET 1, FOR RAMP ARROW DIMENSIONS AND MARKER PLACEMENT.

2) PLACEMENT OF WRONG-WAY RAMP ARROW VARIES AND SHOULD BE LOCATED JUST BEFORE THE MULTI-LANE APPROACH.

3) MARKING SHALL BE THERMOPLASTIC MATERIAL.

LEGEND

DIRECTION OF TRAFFIC FLOW

PAVEMENT MARKING SYMBOLS

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

8-18

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
WRONG WAY RAMP ARROW
ONE-LANE EXIT RAMP AT MULTI-LANE APPROACH

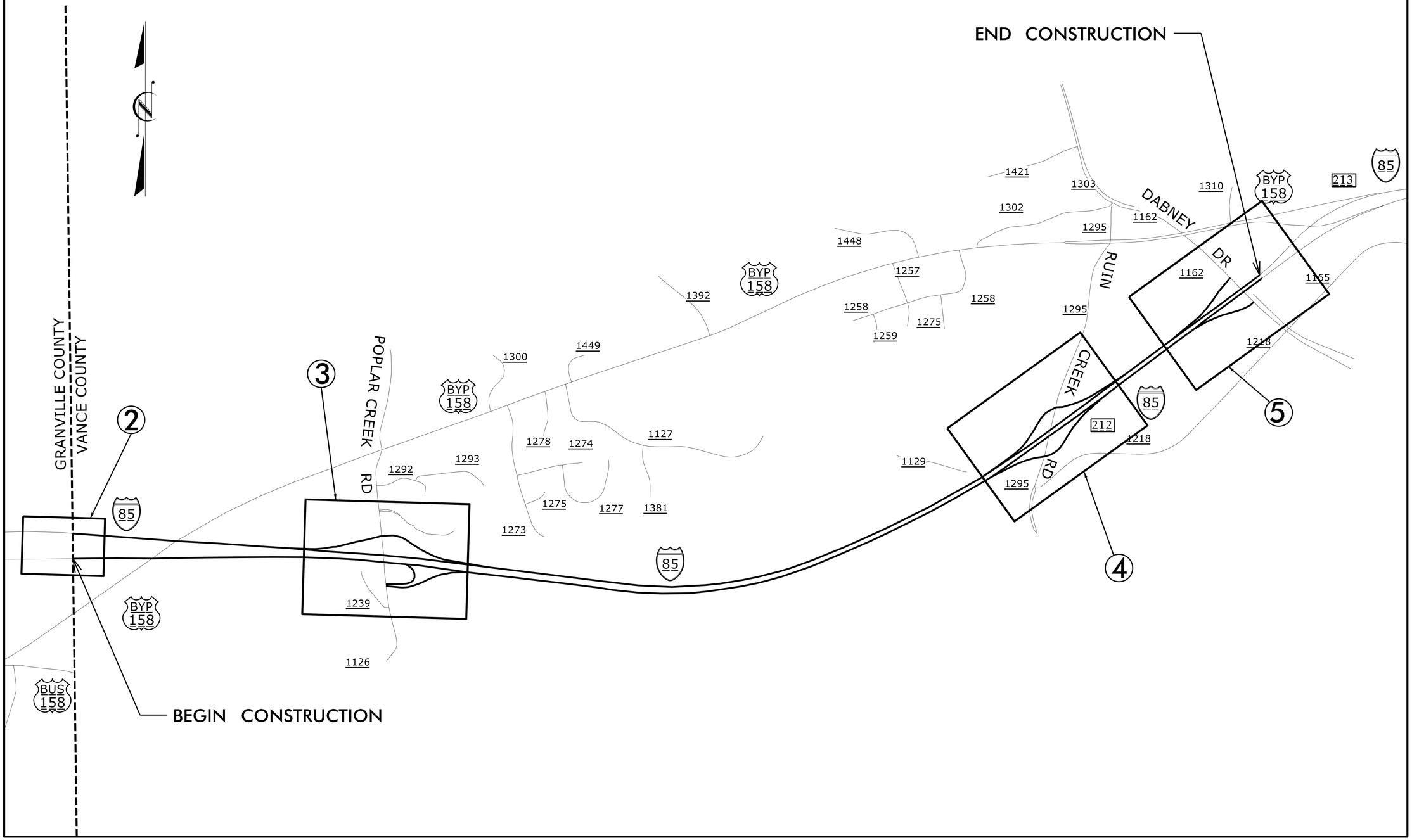
SHEET 1 OF 2

04-12-2016

PROJECT REFERENCE NO.	SHEET NO.
5.109132	1

MAP 3
I–85 PAVEMENT MARKINGS
VANCE COUNTY

1 – MAP 3 TITLE SHEET
2 – I–85 AT GRANVILLE COUNTY LINE SHEET
3 – I–85 AND POPLAR CREEK RD INTERCHANGE SHEET
4 – I–85 AND RUIN CREEK RD INTERCHANGE SHEET
5 – I–85 AND DABNEY DR INTERCHANGE SHEET
6 – MAP 3 SUMMARY OF QUANTITIES



PROJECT REFERENCE NO.	SHEET NO.
5.109132	2
MAP 3 VANCE	

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I–85 AT GRANVILLE COUNTY LINE

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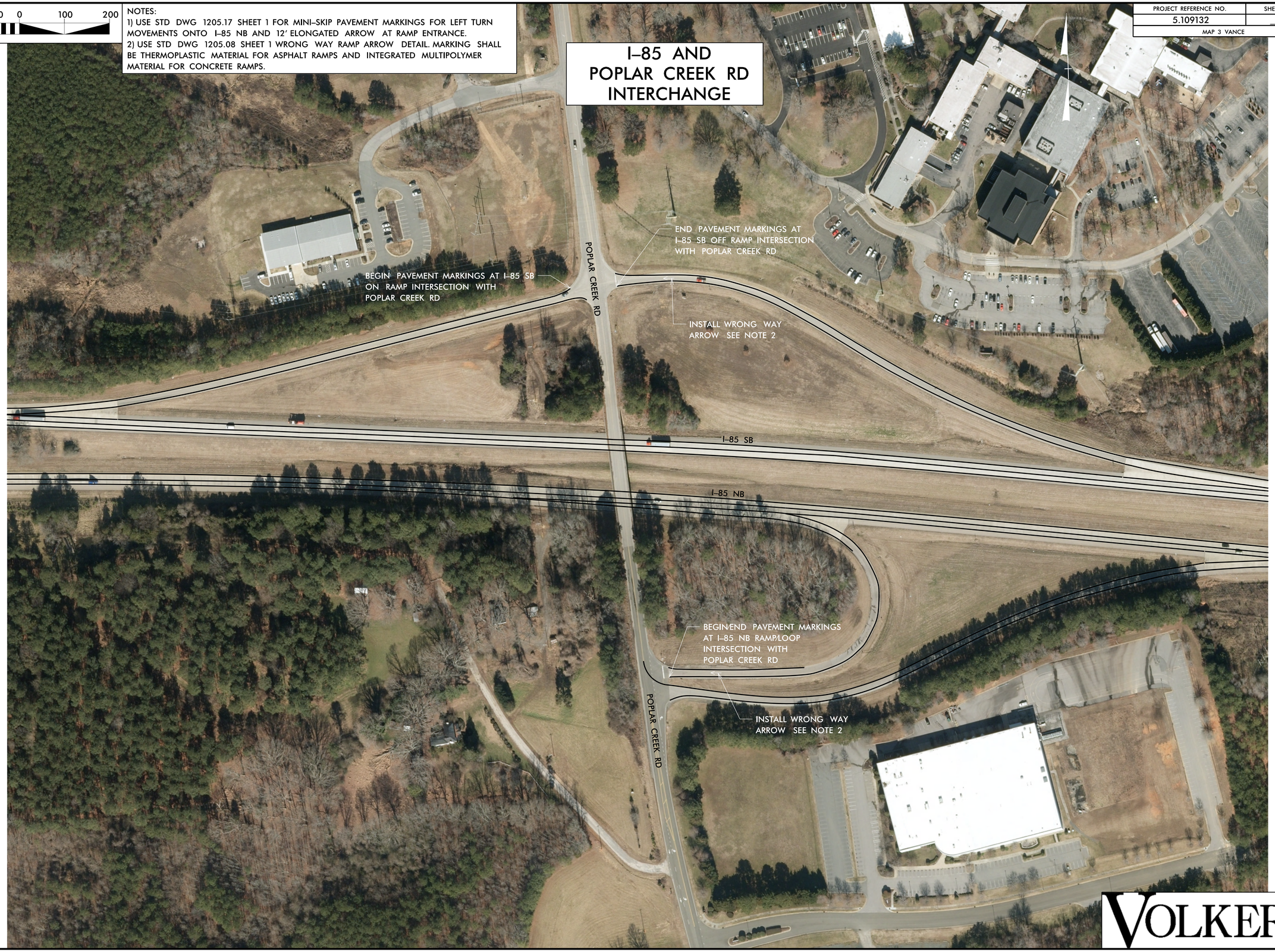
PROJECT REFERENCE NO.	SHEET NO.
5.109132	3
MAP 3 VANCE	

NOTES:
1) USE STD DWG 1205.17 SHEET 1 FOR MINI-SKIP PAVEMENT MARKINGS FOR LEFT TURN MOVEMENTS ONTO I-85 NB AND 12' ELONGATED ARROW AT RAMP ENTRANCE.
2) USE STD DWG 1205.08 SHEET 1 WRONG WAY RAMP ARROW DETAIL. MARKING SHALL BE THERMOPLASTIC MATERIAL FOR ASPHALT RAMPS AND INTEGRATED MULTIPOLYMER MATERIAL FOR CONCRETE RAMPS.

I-85 AND POPLAR CREEK RD INTERCHANGE



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PROJECT REFERENCE NO.	SHEET NO.
5.109132	5
MAP 3 VANCE	

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NOTES:
1) USE STD DWG 1205.08 SHEET 1 WRONG WAY RAMP ARROW DETAIL. MARKING SHALL BE THERMOPLASTIC MATERIAL FOR ASPHALT RAMPS AND INTEGRATED MULTIPOLYMER MATERIAL FOR CONCRETE RAMPS.

I-85 AND DABNEY DR INTERCHANGE

REVISIONS

8/17/99

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VOLKERT

PROJECT NO.	SHEET NO.	TOTAL NO.
5.109132	6	

SUMMARY OF QUANTITIES

CONTRACT ME00045

PROJECT NO	COUNTY	MAP# / PSH#	DECRIPTION	TYPE	Direction	4424000000-N WORK ZONE PRESENCE LIGHTING	4434000000-N SEQUENTIAL FLASHING WARNING LIGHTS	4510000000-N LAW ENFORCEMENT	4725000000-E THERMO (90 MILS) SYMBOL **STRAIGHT/ LEFT** ARROW (90 MIL)	THERMO (90 MILS) SYMBOL **ELONGATED STR** ARROW	THERMO (90 MILS) SYMBOL RT ARROW	THERMO (90 MILS) SYMBOL MERGE ARROW	THERMO (90 MILS) SYMBOL **WRONG WAY ARROW**	4905100000-N NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	4685000000-E THERMO WHITE EDGELINE (4", 90 MIL)	THERMO WHITE SOLID LANE LINE (4", 90 MIL)	THERMO 10 FT. WHITE SKIP (4", 90 MIL)	THERMO 3 FT. - 9 FT./SP WHITE MINISKIP (4", 90 MIL)	THERMO YELLOW EDGELINE (4", 90 MIL)	4890000000-E INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) BLACK (SKIP & MINISKIPS)
						EA	EA	HR	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF
5.109132	VANCE	3/1	I-85 FROM GRANVILLE CO LINE TO JUST NORTH OF DABNEY DRIVE	MAINLINE	SB	14	18	25				6								6,560
5.109132	VANCE	3/1	I-85 FROM GRANVILLE CO LINE TO JUST NORTH OF DABNEY DRIVE	MAINLINE	NB	14	18	25				3								6,745
5.109132	VANCE	3/3	SB RAMP INTERSECTION WITH POPLAR CREEK RD	INTERCHANGE	SB								1	14	2,265				2,290	
5.109132	VANCE	3/4	SB RAMP INTERSECTION WITH RUIN CREEK RD	INTERCHANGE	SB				2		2	3	1	14	1,520		235	185	1,610	
5.109132	VANCE	3/5	SB RAMP INTERSECTION WITH DABNEY DR	INTERCHANGE	SB										835				835	
5.109132	VANCE	3/3	NB RAMP INTERSECTION WITH POPLAR CREEK RD	INTERCHANGE	NB					1			1	14	1,585			85	1,975	
5.109132	VANCE	3/4	NB RAMP INTERSECTION WITH RUIN CREEK RD	INTERCHANGE	NB				2		4		1	14	1,590	55	185	250	1,555	
5.109132	VANCE	3/5	SB RAMP INTERSECTION WITH DABNEY DR	INTERCHANGE	NB								1	14	785				810	
TOTAL						28	36	50	4	1	6	12	5	70	8580	55	420	520	9075	13305
GRAND TOTAL						28	36	50	28					70	18650					13305

CONTRACT ME00045

PROJECT NO	COUNTY	MAP# / PSH#	DECRIPTION	TYPE	Direction	4890000000-E INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) WHITE EDGELINE	INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) WHITE LANE LINE	INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) WHITE 10' SKIP	INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) 3 FT. - 9 FT./SP WHITE MINISKIP	INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL)YELLOW EDGELINE	4890000000-E INTEGRATED MULTIPOLYMER MARKING LINES (12", 90 MIL) WHITE GORELINE	4850000000-E REMOVAL OF PAVEMENT MARKING LINES (4")	4855000000-E REMOVAL OF PAVEMENT MARKING LINES (6")	4865000000-E REMOVAL OF PAVEMENT MARKING LINES (12")	4875000000-N REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
						LF	LF	LF	LF	LF	LF	LF	LF	LF	EA
5.109132	VANCE	3/1	I-85 FROM GRANVILLE CO LINE TO JUST NORTH OF DABNEY DRIVE	MAINLINE	SB	22,950	655	6,025	535	23,740	3,645	0	60,465	3,645	6
5.109132	VANCE	3/1	I-85 FROM GRANVILLE CO LINE TO JUST NORTH OF DABNEY DRIVE	MAINLINE	NB	23,225		5,910	835	23,630	4,235	0	60,345	4,235	3
5.109132	VANCE	3/3	SB RAMP INTERSECTION WITH POPLAR CREEK RD	INTERCHANGE	SB							4,555	0	0	0
5.109132	VANCE	3/4	SB RAMP INTERSECTION WITH RUIN CREEK RD	INTERCHANGE	SB							3,550	0	0	7
5.109132	VANCE	3/5	SB RAMP INTERSECTION WITH DABNEY DR	INTERCHANGE	SB							1,670	0	0	0
5.109132	VANCE	3/3	NB RAMP INTERSECTION WITH POPLAR CREEK RD	INTERCHANGE	NB							3,645	0	0	1
5.109132	VANCE	3/4	NB RAMP INTERSECTION WITH RUIN CREEK RD	INTERCHANGE	NB							3,635	0	0	6
5.109132	VANCE	3/5	SB RAMP INTERSECTION WITH DABNEY DR	INTERCHANGE	NB							1,595	0	0	0
TOTAL						46175	655	11935	1370	47370	7880	18650	120810	7880	23
GRAND TOTAL						107505					7880	18650	120810	7880	23

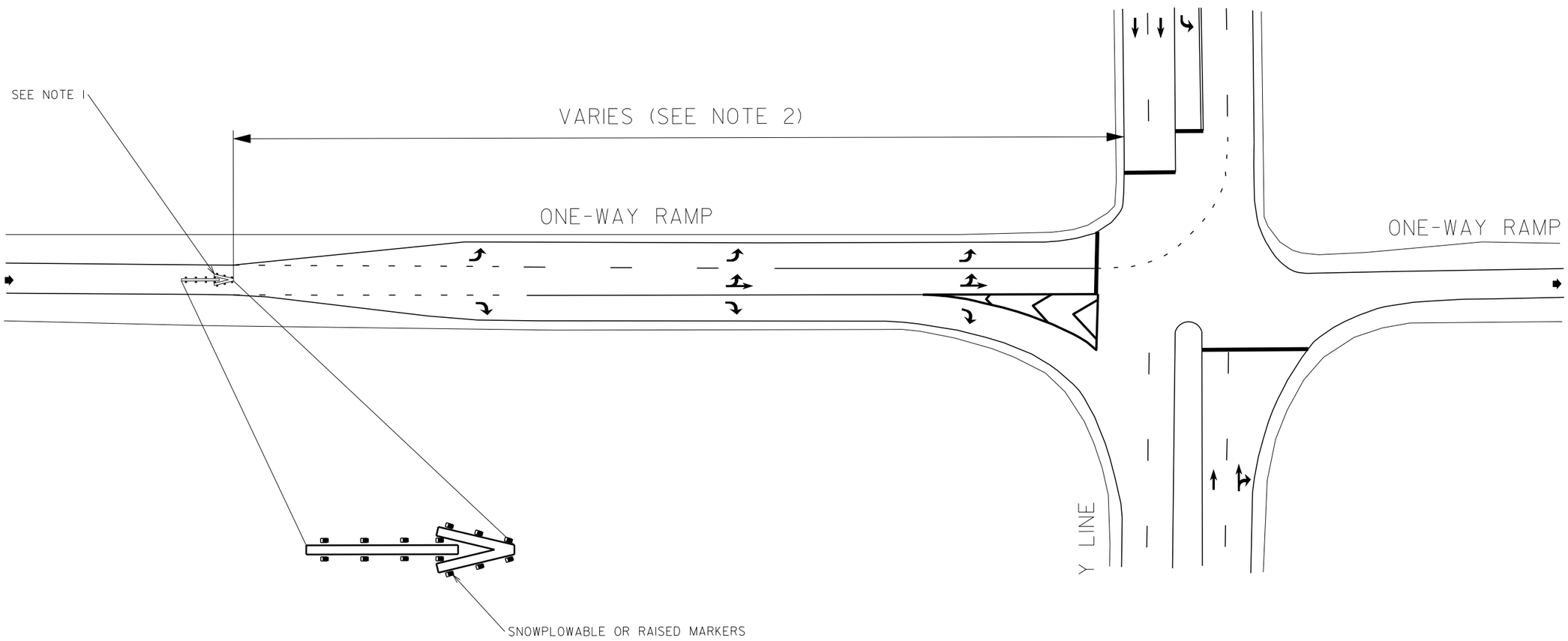
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

8-18

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
WRONG WAY RAMP ARROW
ONE-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 1 OF 2

ASPHALT TREATMENT



NOTES:

1) REFER TO THE ROADWAY STANDARD DRAWING 1205.08, SHEET 1, FOR RAMP ARROW DIMENSIONS AND MARKER PLACEMENT.

2) PLACEMENT OF WRONG-WAY RAMP ARROW VARIES AND SHOULD BE LOCATED JUST BEFORE THE MULTI-LANE APPROACH.

3) MARKING SHALL BE THERMOPLASTIC MATERIAL.

LEGEND

DIRECTION OF TRAFFIC FLOW

PAVEMENT MARKING SYMBOLS

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

8-18

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
WRONG WAY RAMP ARROW
ONE-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 1 OF 2

04-12-2016

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

8-18

ENGLISH DETAIL DRAWING FOR

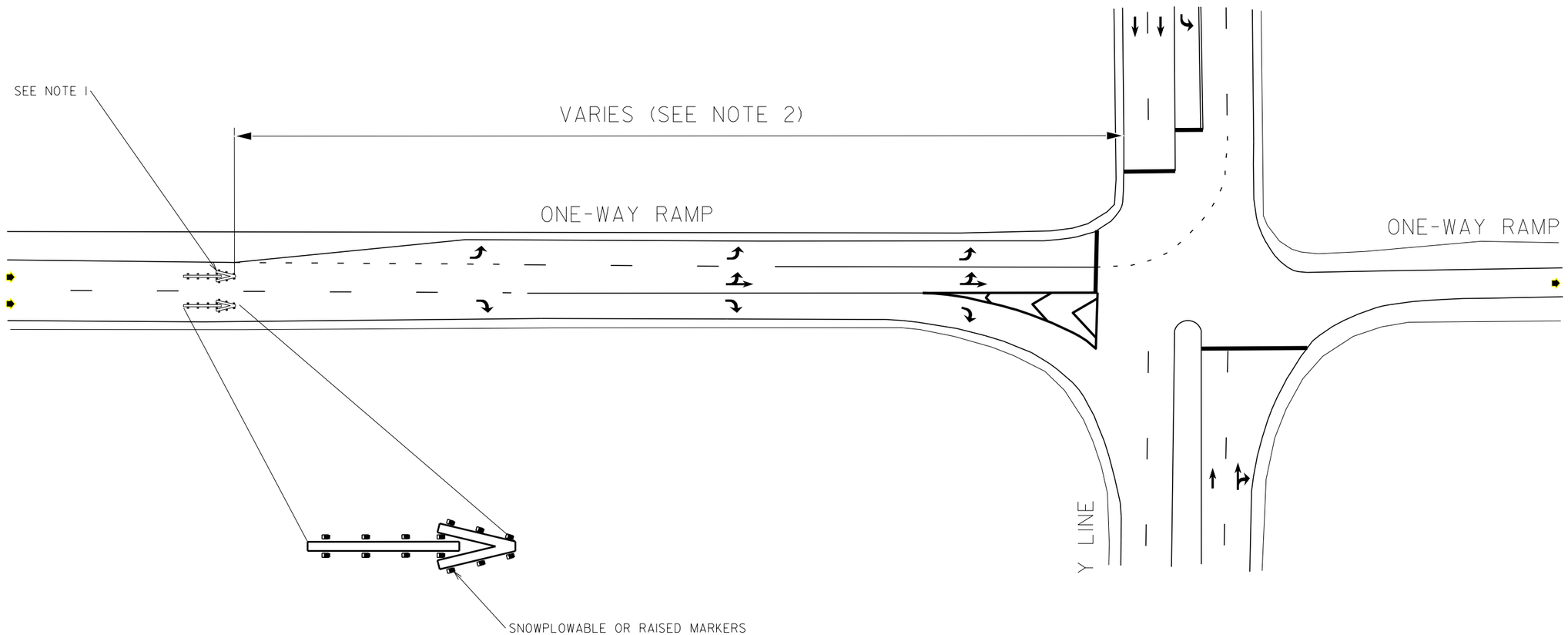
PAVEMENT MARKINGS

WRONG WAY RAMP ARROW

TWO-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 1 OF 2

ASPHALT TREATMENT



NOTES:

1) REFER TO THE ROADWAY STANDARD DRAWING 1205.08, SHEET 1, FOR RAMP ARROW DIMENSIONS AND MARKER PLACEMENT.

2) PLACEMENT OF WRONG-WAY RAMP ARROW VARIES AND SHOULD BE LOCATED JUST BEFORE THE MULTI-LANE APPROACH.

3) MARKING SHALL BE THERMOPLASTIC MATERIAL.

LEGEND

DIRECTION OF TRAFFIC FLOW

PAVEMENT MARKING SYMBOLS

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

8-18

ENGLISH DETAIL DRAWING FOR

PAVEMENT MARKINGS

WRONG WAY RAMP ARROW

TWO-LANE EXIT RAMP AT MULTI-LANE APPROACH

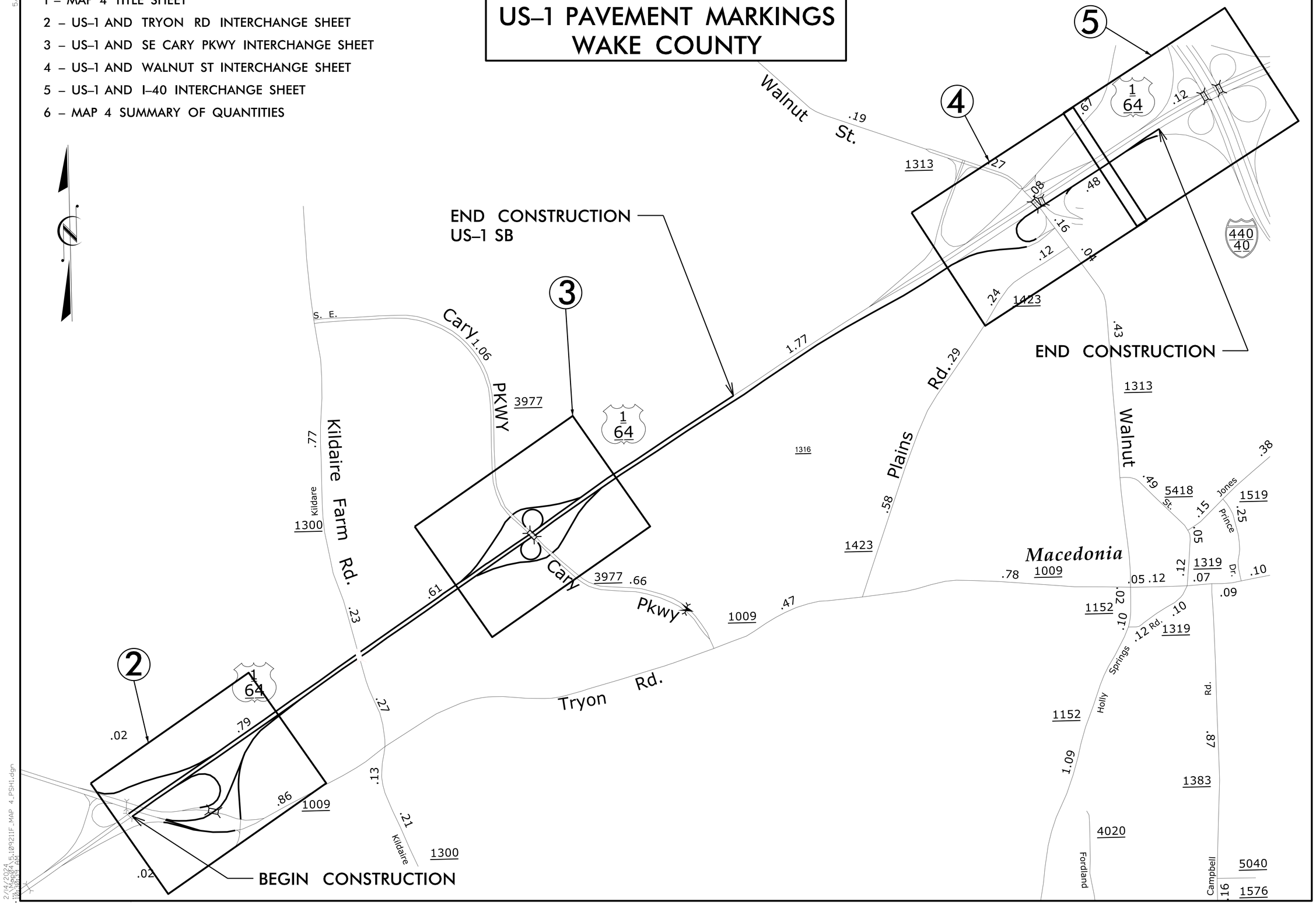
SHEET 1 OF 2

04-12-2016

PROJECT REFERENCE NO.	SHEET NO.
5J092IIF	1

MAP 4
US–1 PAVEMENT MARKINGS
WAKE COUNTY

1 – MAP 4 TITLE SHEET
2 – US–1 AND TRYON RD INTERCHANGE SHEET
3 – US–1 AND SE CARY PKWY INTERCHANGE SHEET
4 – US–1 AND WALNUT ST INTERCHANGE SHEET
5 – US–1 AND I–40 INTERCHANGE SHEET
6 – MAP 4 SUMMARY OF QUANTITIES



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2/14/2024

PROJECT REFERENCE NO.	SHEET NO.
5.109211F	2
MAP 4 WAKE	

VOLKERT

REVISIONS

8/17/99

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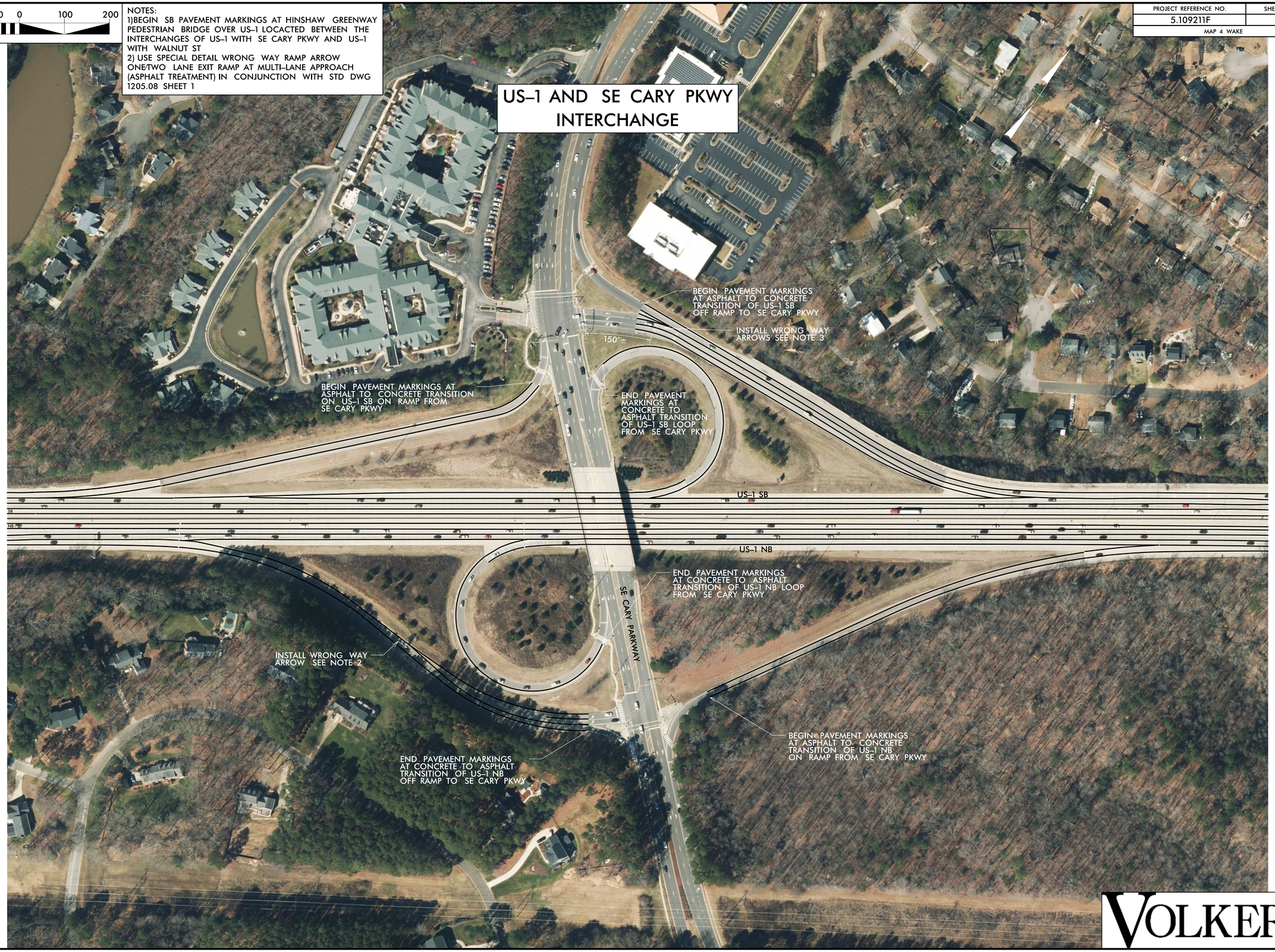
PROJECT REFERENCE NO.	SHEET NO.
5.109211F	3
MAP 4 WAKE	

100 50 0 100 200

NOTES:
1)BEGIN SB PAVEMENT MARKINGS AT HINSHAW GREENWAY PEDESTRIAN BRIDGE OVER US–1 LOCACTED BETWEEN THE INTERCHANGES OF US–1 WITH SE CARY PKWY AND US–1 WITH WALNUT ST
2) USE SPECIAL DETAIL WRONG WAY RAMP ARROW ONE/TWO LANE EXIT RAMP AT MULTI–LANE APPROACH (ASPHALT TREATMENT) IN CONJUNCTION WITH STD DWG 1205.08 SHEET 1

US–1 AND SE CARY PKWY INTERCHANGE



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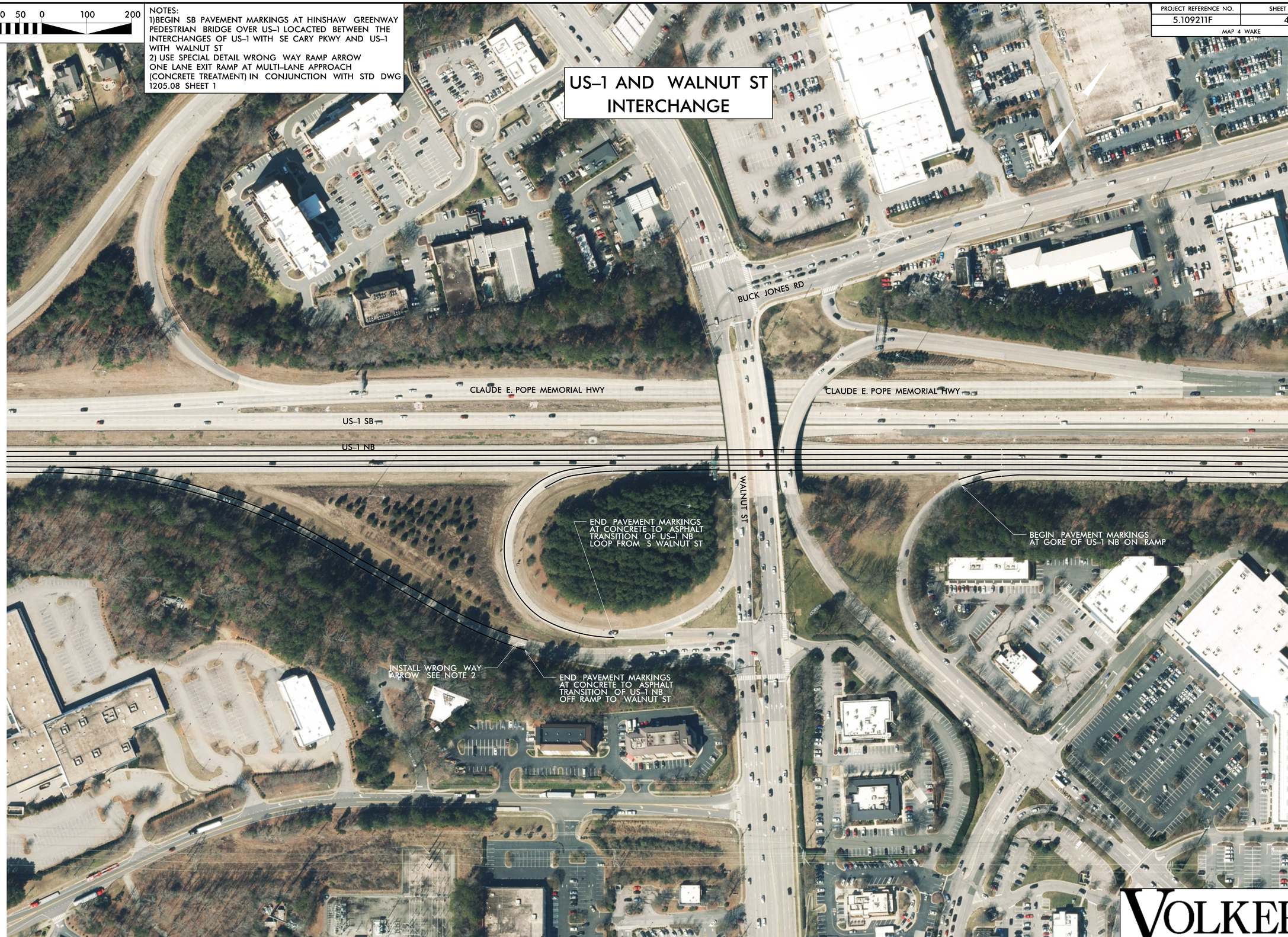
PROJECT REFERENCE NO.	SHEET NO.
5.109211F	4
MAP 4 WAKE	

100 50 0 100 200

NOTES:
1)BEGIN SB PAVEMENT MARKINGS AT HINSHAW GREENWAY PEDESTRIAN BRIDGE OVER US–1 LOCACTED BETWEEN THE INTERCHANGES OF US–1 WITH SE CARY PKWY AND US–1 WITH WALNUT ST
2) USE SPECIAL DETAIL WRONG WAY RAMP ARROW ONE LANE EXIT RAMP AT MULTI–LANE APPROACH (CONCRETE TREATMENT) IN CONJUNCTION WITH STD DWG 1205.08 SHEET 1

US–1 AND WALNUT ST INTERCHANGE



MATCHLINE SEE SHEET 5

VOLKERT

REVISIONS

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PROJECT REFERENCE NO.	SHEET NO.
5.109211F	5
MAP 4 WAKE	

100 50 0 100 200

NOTES:
1)BEGIN SB PAVEMENT MARKINGS AT HINSHAW GREENWAY PEDESTRIAN BRIDGE OVER US-1 LOCACTED BETWEEN THE INTERCHANGES OF US-1 WITH SE CARY PKWY AND US-1 WITH WALNUT ST

MATCHLINE SEE SHEET 4

REVISIONS

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VOLKERT

PROJECT NO.	SHEET NO.	TOTAL NO.
5.109211F	6	

SUMMARY OF QUANTITIES

CONTRACT ME00045

PROJECT NO	COUNTY	MAP# / PSH#	DECRIPTION	TYPE	Direction	4424000000-N WORK ZONE PRESENCE LIGHTING	4434000000-N SEQUENTIAL FLASHING WARNING LIGHTS	4510000000-N LAW ENFORCEMENT	4720000000-E THERMO (90 MILS) ALPHANUMERIC CHAR. (90 MIL)	4890000000-E THERMO (90 MILS) SYMBOL 24" YIELD LINE	4725000000-E THERMO (90 MILS) SYMBOL RT ARROW	THERMO (90 MILS) SYMBOL LT ARROW	THERMO (90 MILS) SYMBOL MERGE ARROW	THERMO (90 MILS) SYMBOL STR ARROW	THERMO (90 MILS) SYMBOL **WRONG WAY ARROW**	4726110000-E HEATED-IN-PLACE THERMO PAVEMENT MARKING SYMBOL (90 MILS) **WRONG WAY**	4905100000-N NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	4685000000-E THERMO WHITE EDGELINE (4", 90 MIL)	THERMO WHITE SOLID LANE LINE (4", 90 MIL)	THERMO 10 FT. WHITE SKIP (4", 90 MIL)	THERMO 3 FT. - 9 FT./SP WHITE MINISKIP (4", 90 MIL)	THERMO YELLOW EDGELINE (4", 90 MIL)	THERMO WHITE GORELINE (8", 90 MIL)	4695000000-E THERMO WHITE DIAGONAL (8", 90 MIL)	THERMO WHITE **TRANSVERS** CROSSWALK LINE (8", 90 MIL)
						EA	EA	HR	EA	LF	EA	EA	EA	EA	EA		EA	LF	LF	LF	LF	LF	LF	LF	LF
5.109231F	WAKE	4/1	US-1 FROM 4000 FEET NORTH OF CARY PKWY TO TRYON RD	MAINLINE	SB	14	18	20	16		8		3												
5.109231F	WAKE	4/1	US-1 FROM I-40 TO TRYON RD	MAINLINE	NB	14	18	20	24		12		3												
5.109231F	WAKE	4/2	SB OFF RAMP INTERSECTION WITH TRYON RD	INTERCHANGE	SB						6							1,230		250	60	1,165	65		
5.109231F	WAKE	4/3	SB ON RAMP INTERSECTION WITH SE CARY PKWY	INTERCHANGE	SB					16	1							790				890	155		
5.109231F	WAKE	4/3	SB OFF RAMP INTERSECTION WITH SE CARY PKWY	INTERCHANGE	SB						1	4	1	2			28	800	265	260	90	1,420	265	30	100
5.109231F	WAKE	4/2	NB ON RAMP INTERSECTION WITH TRYON RD	INTERCHANGE	NB				8		4		8	6				3,560	200	910	290	4,705	1,835		
5.109231F	WAKE	4/3	NB OFF RAMP INTERSECTION WITH SE CARY PKWY	INTERCHANGE	NB					16	1	2			1		14	1,310	245	45	55	1,430	410		
5.109231F	WAKE	4/4	NB OFF RAMP INTERSECTION WITH WALNUT ST	INTERCHANGE	NB					20	1					1	14	1,735	505	45	125	2,800	175		
TOTAL						28	36	40	48	52	34	6	14	7	3	1	56	9425	1215	1510	620	12410	2905	30	100
GRAND TOTAL						28	36	40	48	52	64					1	56	25180					3035		

CONTRACT ME00045

PROJECT NO	COUNTY	MAP# / PSH#	DECRIPTION	TYPE	Direction	4709000000-E THERMO WHITE **STOP BAR** (24", 90 MIL)	THERMO WHITE **HV** CROSSWALK LINE (24", 90 MIL)	4890000000-E INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) BLACK (SKIP & MINISKIPS)	4890000000-E INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) WHITE EDGELINE	INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) WHITE LANE LINE	INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) WHITE 10' SKIP	INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL) 3 FT. - 9 FT./SP WHITE MINISKIP	INTEGRATED MULTIPOLYMER MARKING LINES (6", 90 MIL)YELLOW EDGELINE	4725000000-E INTEGRATED MULTIPOLYMER MARKING LINES (12", 90 MIL) WHITE GORELINE	4855000000-E REMOVAL OF PAVEMENT MARKING LINES (4")	4860000000-E REMOVAL OF PAVEMENT MARKING LINES (6")	4865000000-E REMOVAL OF PAVEMENT MARKING LINES (8")	4870000000-E REMOVAL OF PAVEMENT MARKING LINES (12")	4875000000-N REMOVAL OF PAVEMENT MARKING LINES (24")	4875000000-N REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS
						LF	LF	LF	LF	LF	LF	LF	LF	LF	LF		LF	LF	LF	EA
5.109231F	WAKE	4/1	US-1 FROM 4000 FEET NORTH OF CARY PKWY TO TRYON RD	MAINLINE	SB			7,375	11,775	330	6,670	705	11,415	2,000	0	38,270	0	2,000	0	27
5.109231F	WAKE	4/1	US-1 FROM I-40 TO TRYON RD	MAINLINE	NB			13,555	19,930		12,275	880	20,040	4,640	0	66,680	0	4,640	0	39
5.109231F	WAKE	4/2	SB OFF RAMP INTERSECTION WITH TRYON RD	INTERCHANGE	SB			310							2,705	310	65	0	0	6
5.109231F	WAKE	4/3	SB ON RAMP INTERSECTION WITH SE CARY PKWY	INTERCHANGE	SB		50								1,680	0	155	0	50	17
5.109231F	WAKE	4/3	SB OFF RAMP INTERSECTION WITH SE CARY PKWY	INTERCHANGE	SB	40	120	350							2,835	350	395	0	160	6
5.109231F	WAKE	4/2	NB ON RAMP INTERSECTION WITH TRYON RD	INTERCHANGE	NB			1,200							9,665	1,200	1,835	0	0	26
5.109231F	WAKE	4/3	NB OFF RAMP INTERSECTION WITH SE CARY PKWY	INTERCHANGE	NB			100							3,085	100	410	0	0	19
5.109231F	WAKE	4/4	NB OFF RAMP INTERSECTION WITH WALNUT ST	INTERCHANGE	NB		60	170							5,210	170	175	0	60	21
TOTAL						40	230	23060	31,705	330	18945	1585	31455	6640	25180	107080	3035	6640	270	161
GRAND TOTAL						270		23060	84,020					6640	25180	107080	3035	6640	270	161

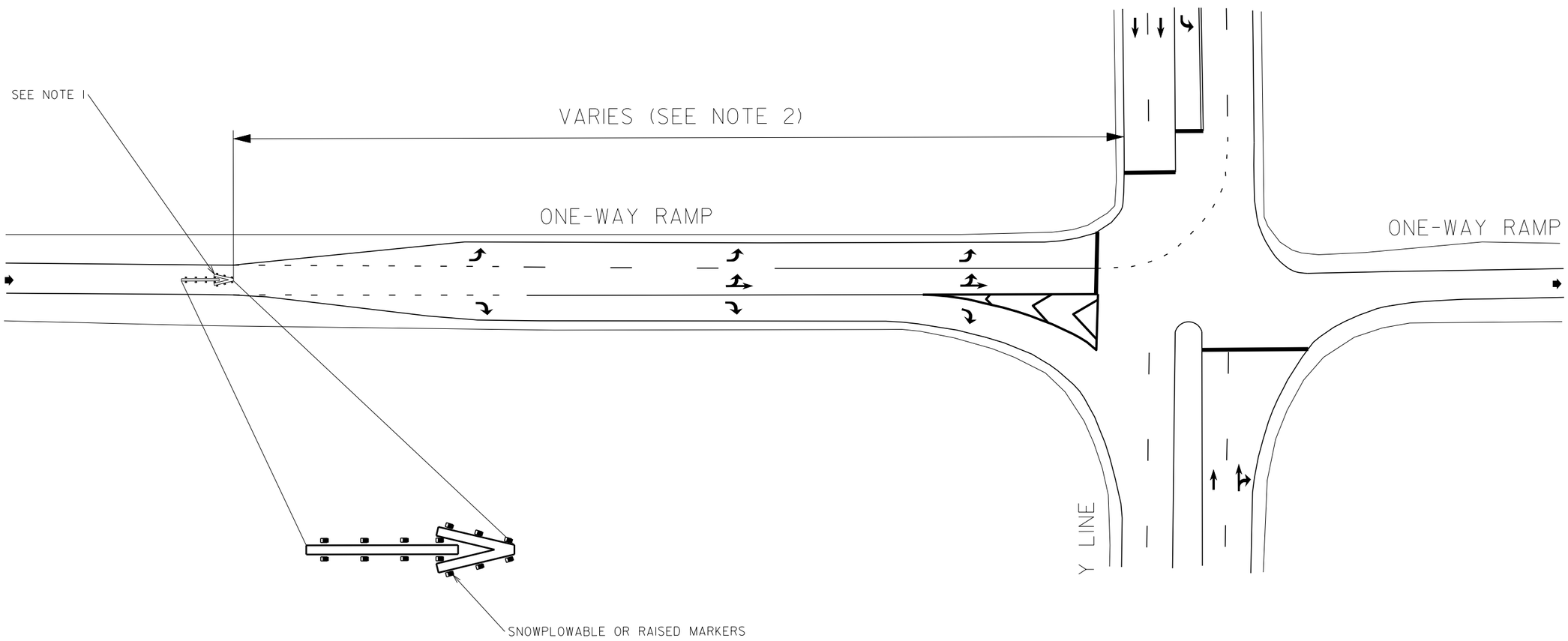
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

8-18

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
WRONG WAY RAMP ARROW
ONE-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 1 OF 2

ASPHALT TREATMENT



NOTES:

1) REFER TO THE ROADWAY STANDARD DRAWING 1205.08, SHEET 1, FOR RAMP ARROW DIMENSIONS AND MARKER PLACEMENT.

2) PLACEMENT OF WRONG-WAY RAMP ARROW VARIES AND SHOULD BE LOCATED JUST BEFORE THE MULTI-LANE APPROACH.

3) MARKING SHALL BE THERMOPLASTIC MATERIAL.

LEGEND

DIRECTION OF TRAFFIC FLOW

PAVEMENT MARKING SYMBOLS

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

8-18

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
WRONG WAY RAMP ARROW
ONE-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 1 OF 2

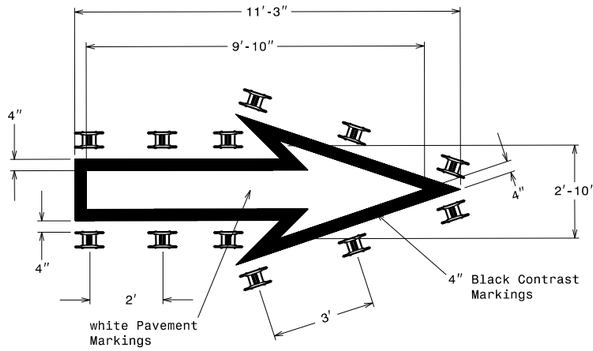
04-12-2016

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

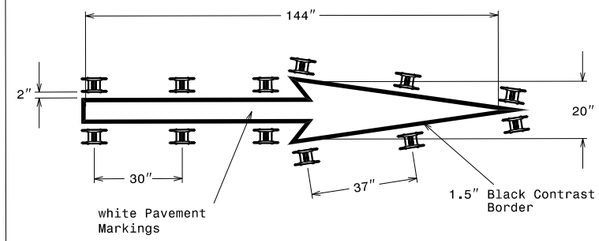
8-18

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
WRONG WAY RAMP ARROW
ONE-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 2 OF 2

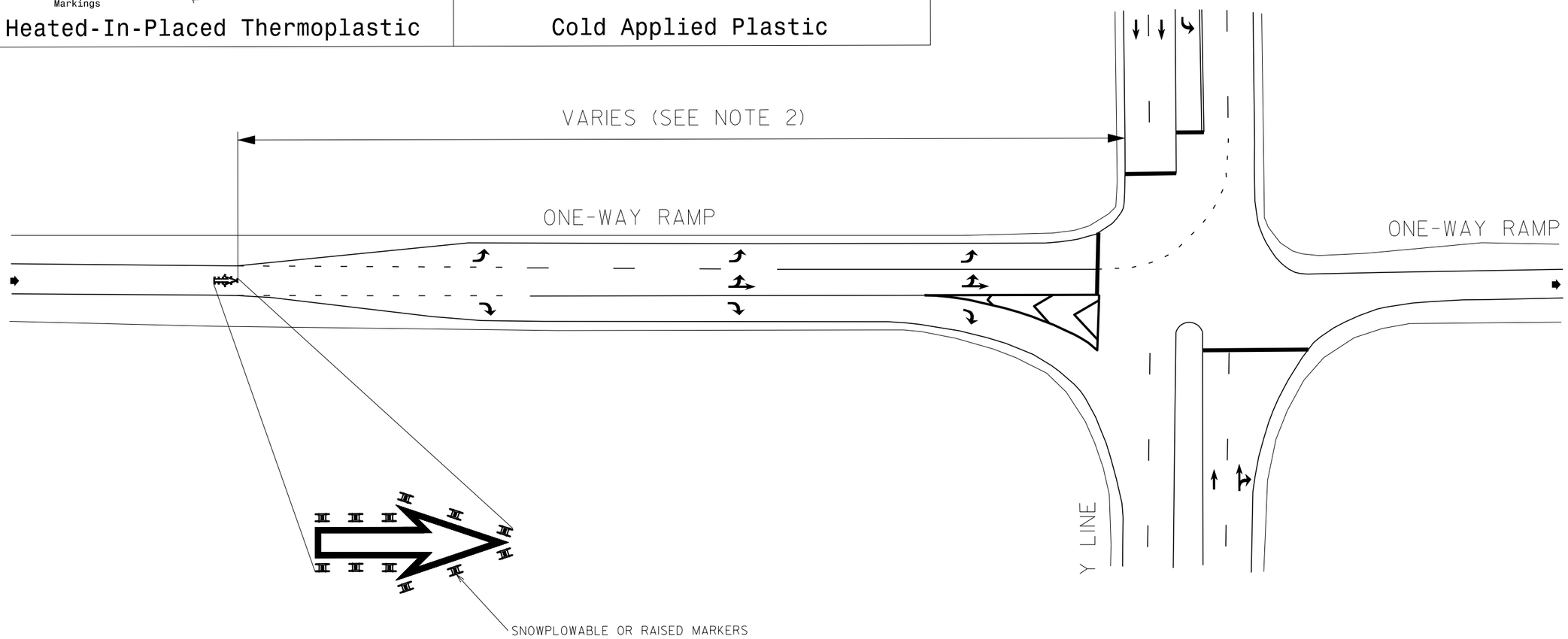


Heated-In-Placed Thermoplastic



Cold Applied Plastic

CONCRETE TREATMENT



NOTES:

1) PAVEMENT MARKINGS SHALL BE INSTALLED ON CONCRETE SURFACES ONLY.

2) PLACEMENT OF WRONG-WAY RAMP ARROW VARIES AND SHOULD BE LOCATED JUST BEFORE THE MULTI-LANE APPROACH.

3) INSTALL MARKERS, SNOWPLOWABLE OR RAISED, IN ACCORDANCE TO THE DETAILS ON THIS SHEET.

4) MARKING SHALL BE WHITE HEATED-IN-PLACED THERMOPLASTIC WITH 4 INCH BLACK CONTRAST BORDER OR COLD APPLIED PLASTIC WITH 1.5 INCH WITH BLACK CONTRAST BORDER.

LEGEND

DIRECTION OF TRAFFIC FLOW

PAVEMENT MARKING SYMBOLS

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

8-18

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
WRONG WAY RAMP ARROW
ONE-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 2 OF 2

04-12-2016

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

8-18

ENGLISH DETAIL DRAWING FOR

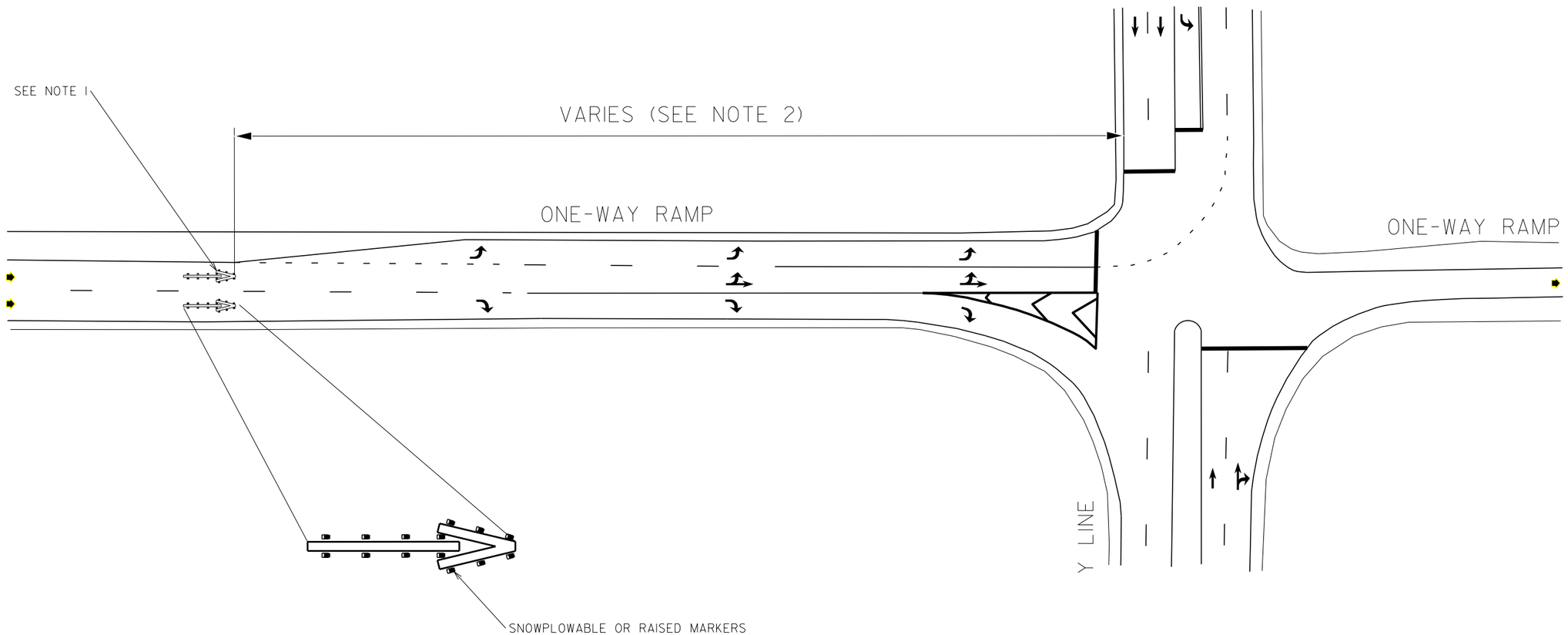
PAVEMENT MARKINGS

WRONG WAY RAMP ARROW

TWO-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 1 OF 2

ASPHALT TREATMENT



NOTES:

1) REFER TO THE ROADWAY STANDARD DRAWING 1205.08, SHEET 1, FOR RAMP ARROW DIMENSIONS AND MARKER PLACEMENT.

2) PLACEMENT OF WRONG-WAY RAMP ARROW VARIES AND SHOULD BE LOCATED JUST BEFORE THE MULTI-LANE APPROACH.

3) MARKING SHALL BE THERMOPLASTIC MATERIAL.

LEGEND

DIRECTION OF TRAFFIC FLOW

PAVEMENT MARKING SYMBOLS

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

8-18

ENGLISH DETAIL DRAWING FOR

PAVEMENT MARKINGS

WRONG WAY RAMP ARROW

TWO-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 1 OF 2

04-12-2016

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

8-18

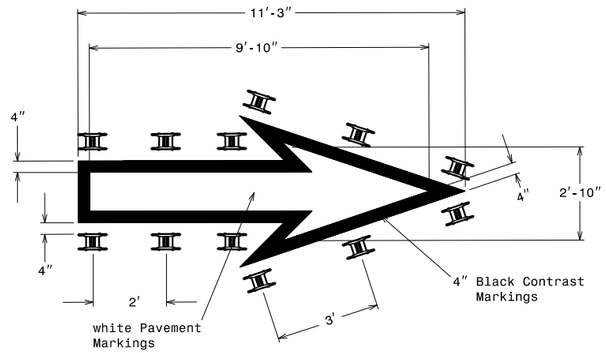
ENGLISH DETAIL DRAWING FOR

PAVEMENT MARKINGS

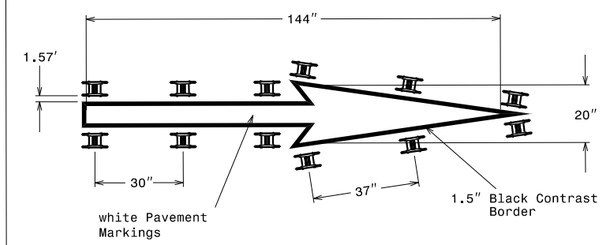
WRONG WAY RAMP ARROW

TWO-LANE EXIT RAMP AT MULTI-LANE APPROACH

SHEET 2 OF 2

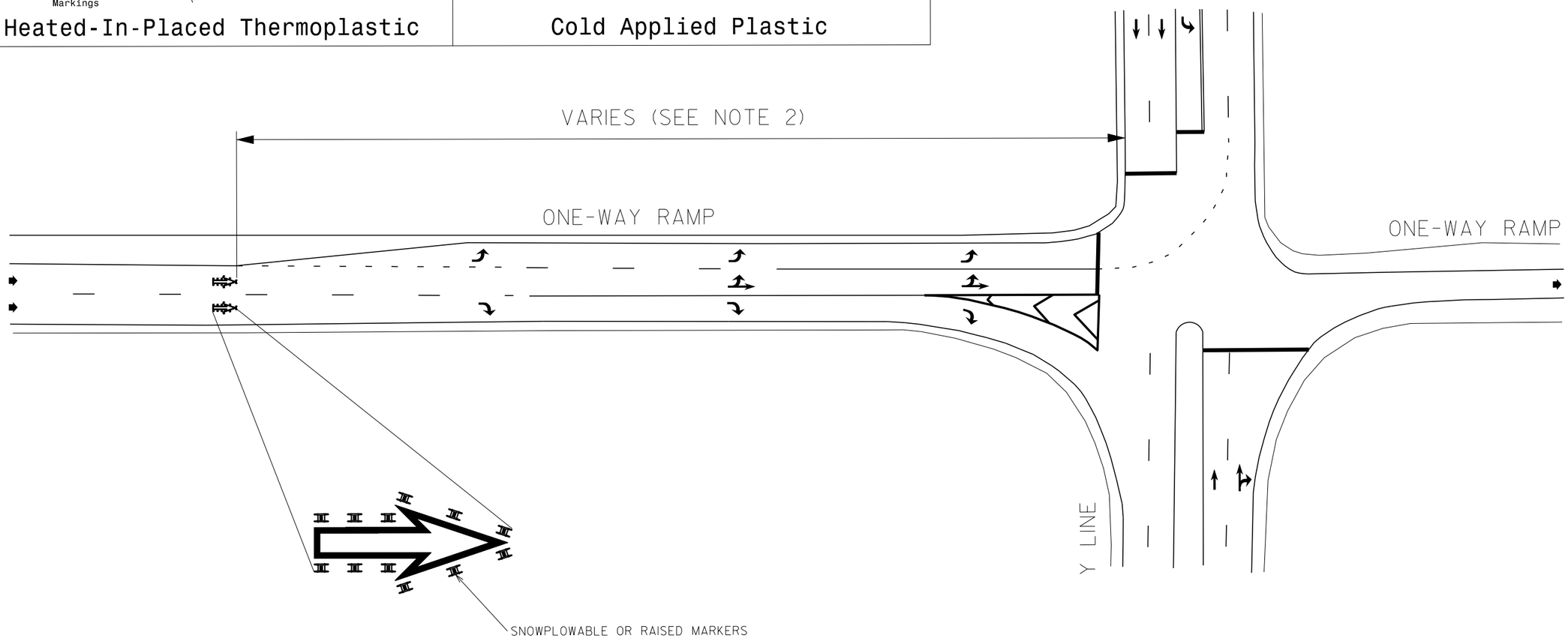


Heated-In-Placed Thermoplastic



Cold Applied Plastic

CONCRETE TREATMENT



NOTES:

1) PAVEMENT MARKINGS SHALL BE INSTALLED ON CONCRETE SURFACES ONLY.

2) PLACEMENT OF WRONG-WAY RAMP ARROW VARIES AND SHOULD BE LOCATED JUST BEFORE THE MULTI-LANE APPROACH.

3) INSTALL MARKERS, SNOWPLOWABLE OR RAISED, IN ACCORDANCE TO THE DETAILS ON THIS SHEET.

4) MARKING SHALL BE WHITE HEATED-IN-PLACED THERMOPLASTIC WITH 4 INCH BLACK CONTRAST BORDER OR COLD APPLIED PLASTIC WITH 1.5 INCH BLACK CONTRAST BORDER.

LEGEND

DIRECTION OF TRAFFIC FLOW

PAVEMENT MARKING SYMBOLS

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8-18

ENGLISH DETAIL DRAWING FOR

PAVEMENT MARKINGS

WRONG WAY RAMP ARROW

TWO-LANE EXIT RAMP AT MULTI-LANE APPROACH

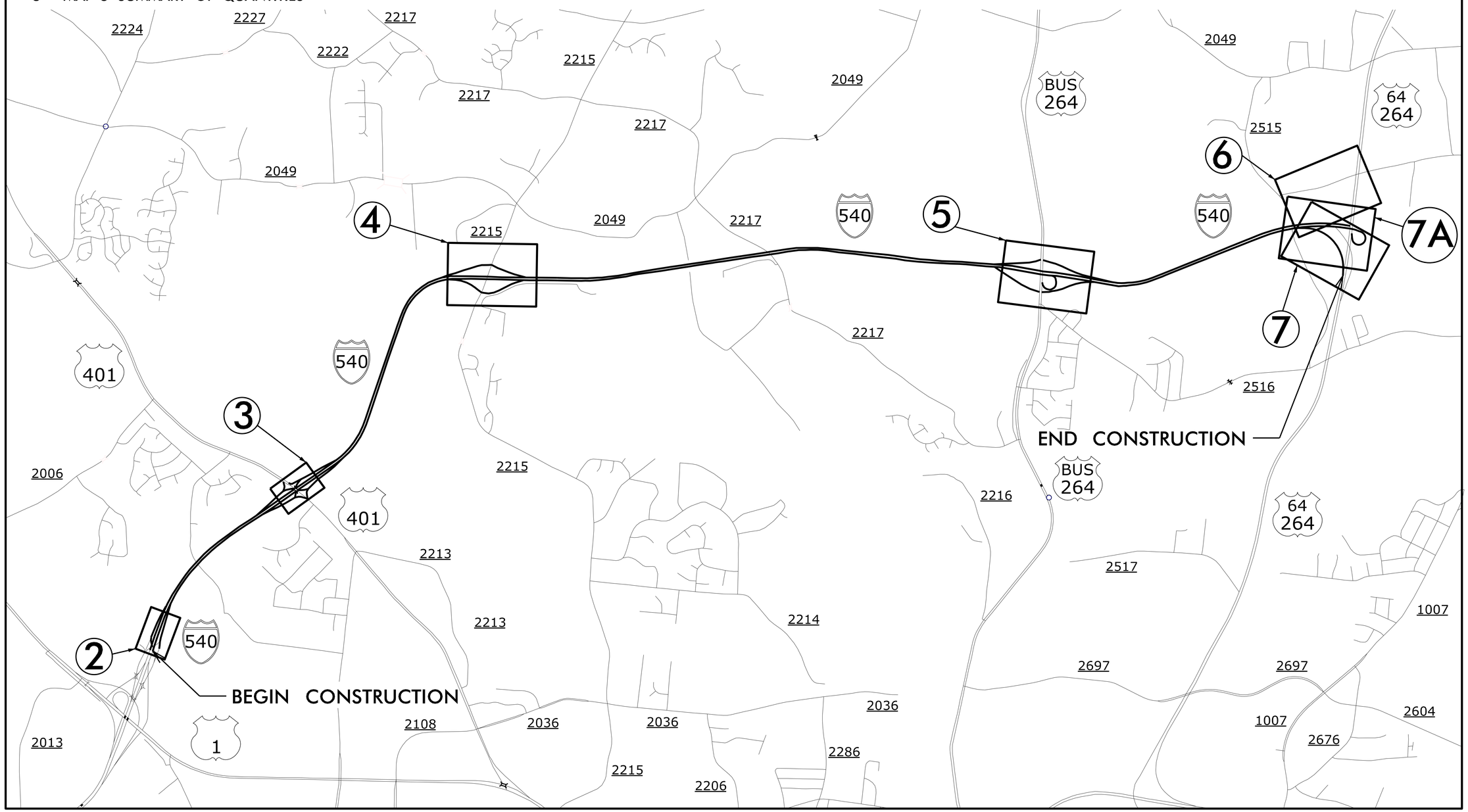
SHEET 2 OF 2

04-12-2016

PROJECT REFERENCE NO.	SHEET NO.
5J0923IF	1

MAP 5
I–540 PAVEMENT MARKINGS
WAKE COUNTY

1 – MAP 5 TITLE SHEET
2 – I–540 AND TRIANGLE TOWN BLVD INTERCHANGE SHEET
3 – I–540 AND LOUISBURG RD INTERCHANGE SHEET
4 – I–540 AND BUFFALOE RD INTERCHANGE SHEET
5 – I–540 AND KNIGHTDALE BLVD INTERCHANGE SHEET
6 – I–540 AND I–87 INTERCHANGE SHEET
7 – I–540 AND I–87 INTERCHANGE SHEET
7A – I–540 EB TO I–87 NB NEW TRAFFIC PATTERN SHEET
8 – MAP 5 SUMMARY OF QUANTITIES



PROJECT REFERENCE NO.	SHEET NO.
5.109231F	2
MAP 5 WAKE	

50 25 0 50 100

NOTES:
1) USE SPECIAL DETAIL WRONG WAY RAMP ARROW ONE LANE EXIT RAMP AT MULTI-LANE APPROACH IN CONJUNCTION WITH STD DWG 1205.08 SHEET 1.

I-540 AND TRIANGLE TOWN BLVD INTERCHANGE

REVISIONS

8/17/99

2/14/2024
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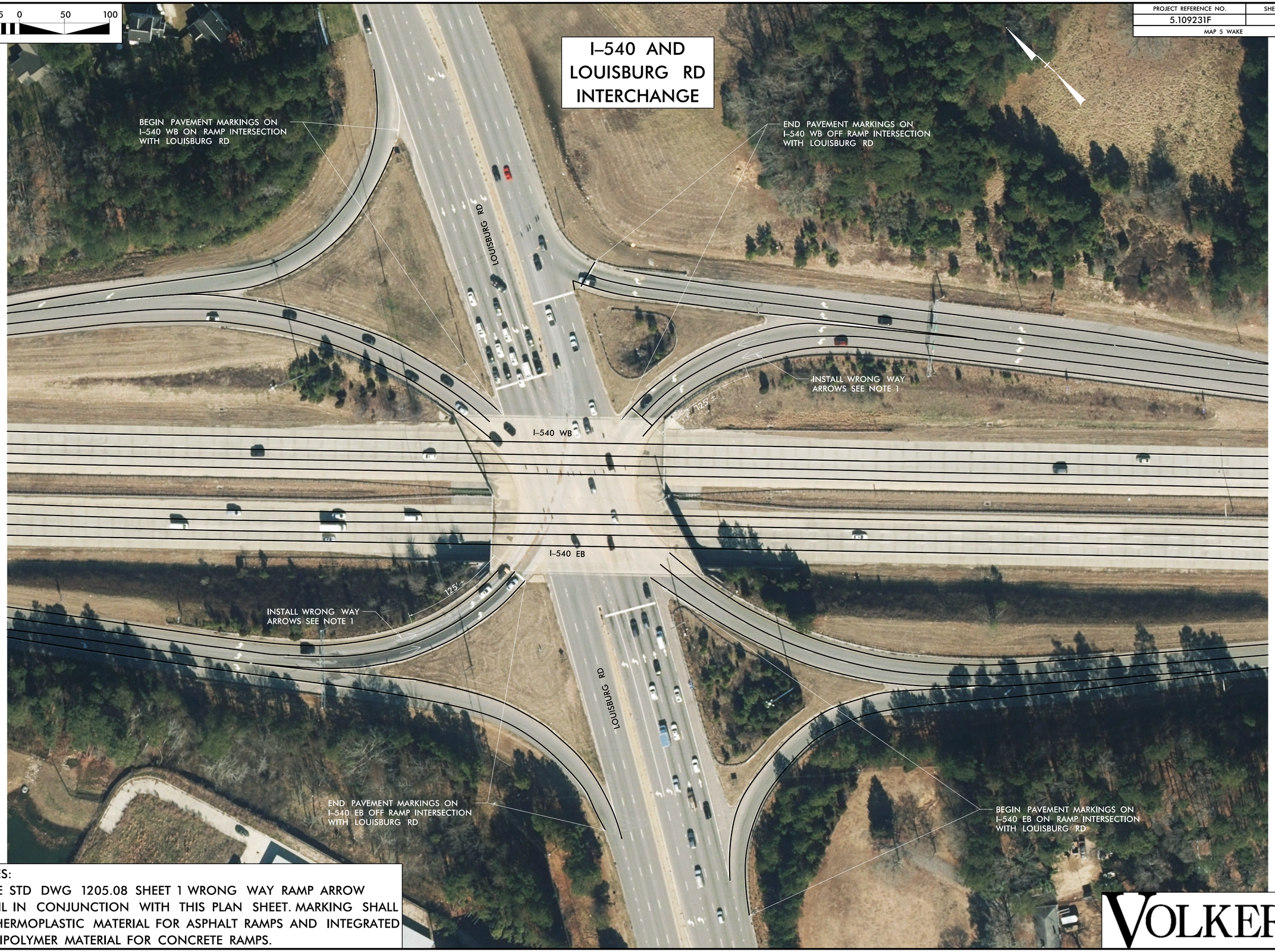
PROJECT REFERENCE NO.	SHEET NO.
5.109231F	3
MAP 5 WAKE	

I-540 AND LOUISBURG RD INTERCHANGE



NOTES:
1) USE STD DWG 1205.08 SHEET 1 WRONG WAY RAMP ARROW DETAIL IN CONJUNCTION WITH THIS PLAN SHEET. MARKING SHALL BE THERMOPLASTIC MATERIAL FOR ASPHALT RAMPS AND INTEGRATED MULTIPOLYMER MATERIAL FOR CONCRETE RAMPS.

REVISIONS

8/17/99

2/14/2024
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