09/08/99

TIP PROJECT: HI–0006

CONTRACT: C204743

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

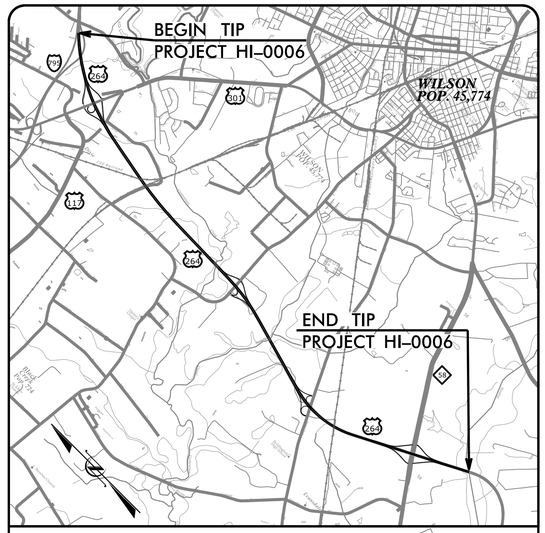
WILSON COUNTY

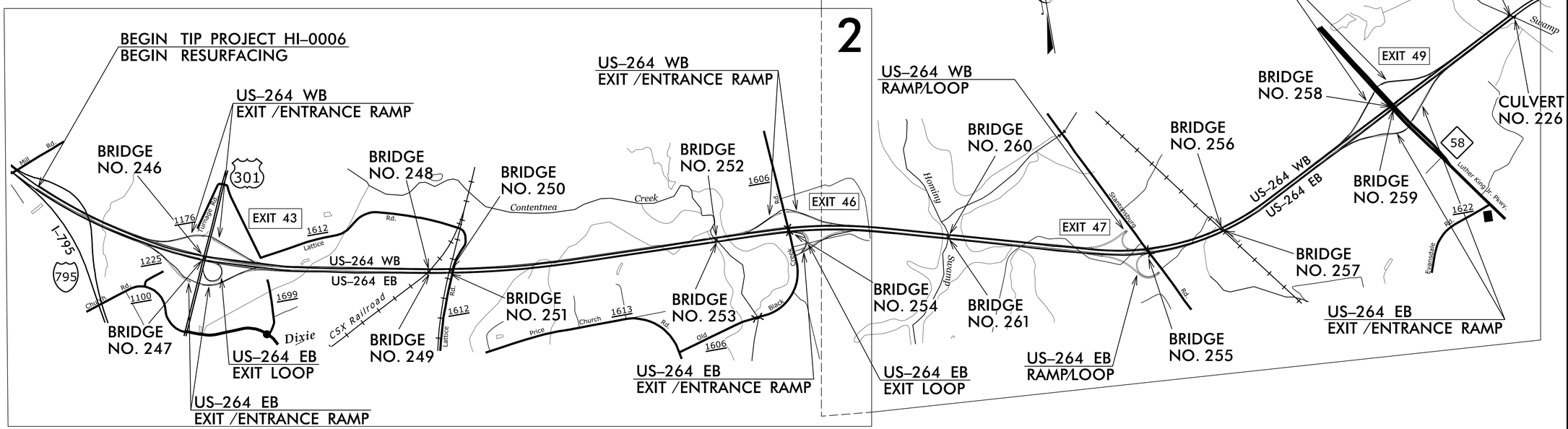
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HI–0006	1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
49982.1.1		PE
49982.3.1	0264076	CONST.

LOCATION: HI–0006 – US–264 FROM I–795 TO THE TOISNOT SWAMP

TYPE OF WORK: PAVEMENT, STRUCTURE PRESERVATION AND ITS





NOT TO SCALE

DESIGN DATA

FUNC CLASS =
FREEWAY

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT HI–0006	=	6.231 MILES
LENGTH STRUCTURE TIP PROJECT HI–0006	=	0.739 MILES
TOTAL LENGTH TIP PROJECT HI–0006	=	6.970 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
SEPTEMBER 20, 2022

R.K. MURPHY, JR., PE
PROJECT ENGINEER

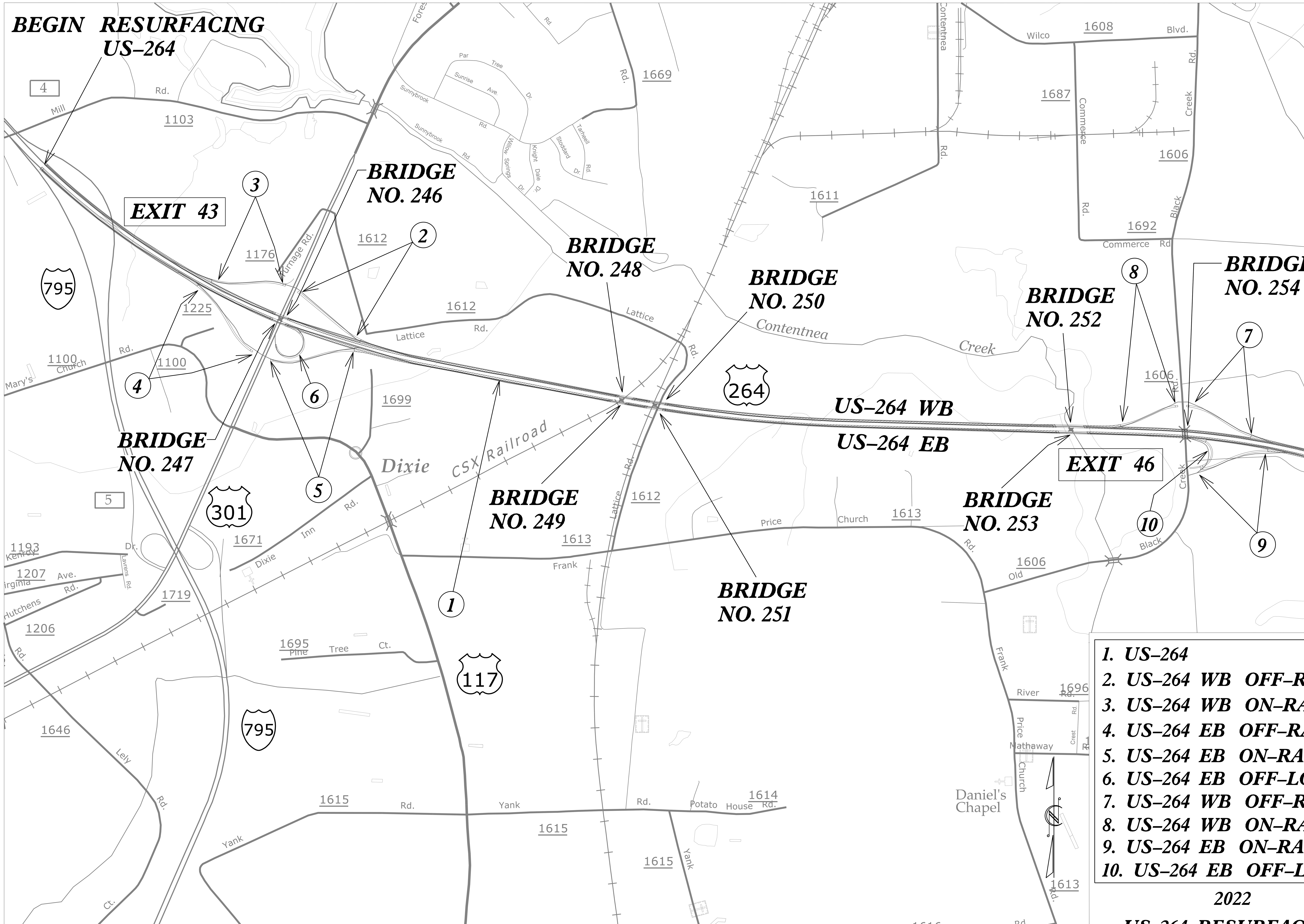
SCOTT L. KENNEDY
PROJECT DESIGN ENGINEER

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

8/4/2022
...\Proj\HI-0006_Rdy_TSH 01.dgn
USER:SKENNEDY

PROJECT REFERENCE NO.	SHEET NO.
HI-0006	2

REVISIONS



MATCHLINE SHEET 3

1. US-264
2. US-264 WB OFF-RAMP
3. US-264 WB ON-RAMP
4. US-264 EB OFF-RAMP
5. US-264 EB ON-RAMP
6. US-264 EB OFF-LOOP
7. US-264 WB OFF-RAMP
8. US-264 WB ON-RAMP
9. US-264 EB ON-RAMP
10. US-264 EB OFF-LOOP

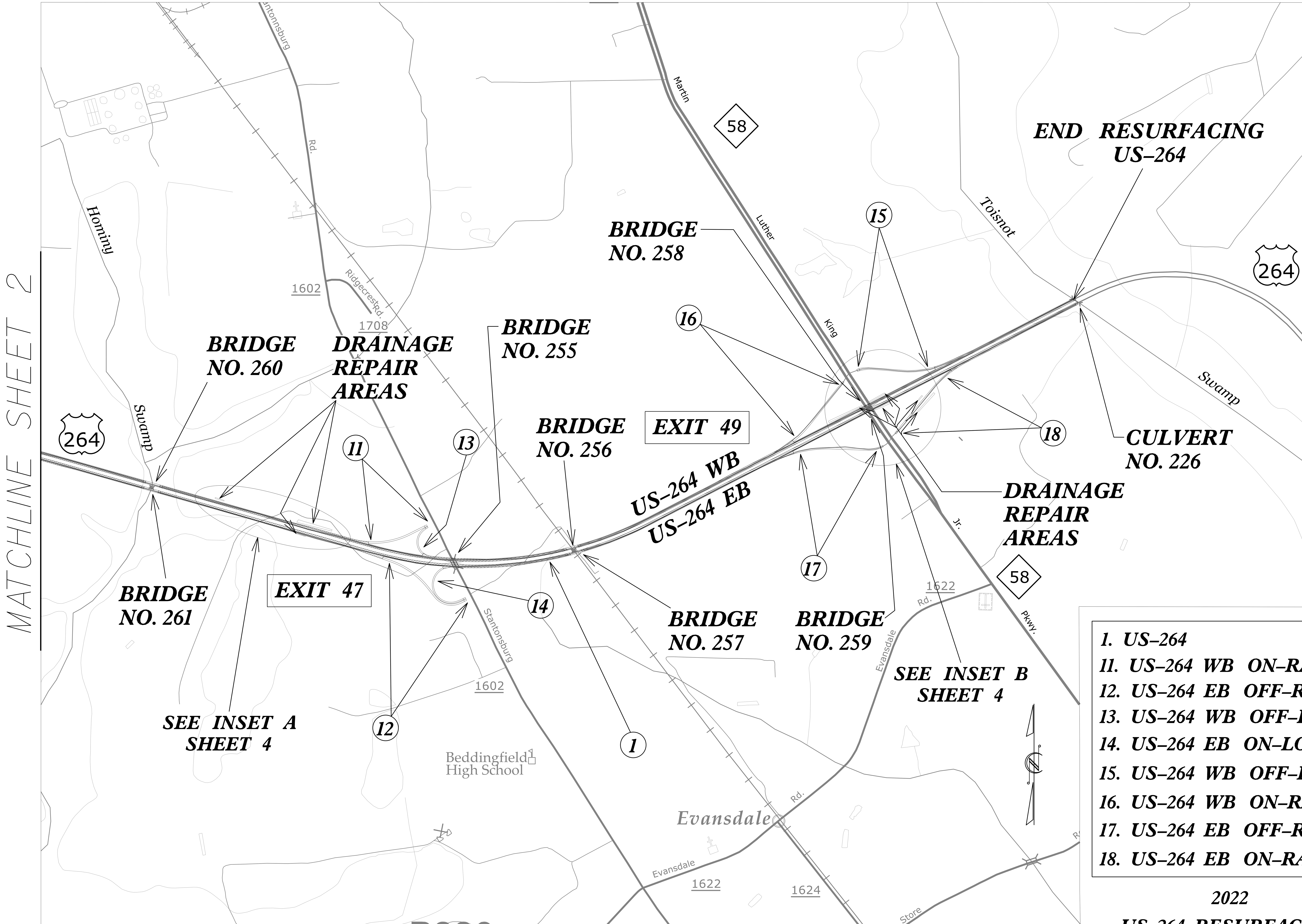
2022

US-264 RESURFACING

8/17/99

6/29/2022

PROJECT REFERENCE NO.	SHEET NO.
HI-0006	3



1. US-264
11. US-264 WB ON-RAMP
12. US-264 EB OFF-RAMP
13. US-264 WB OFF-LOOP
14. US-264 EB ON-LOOP
15. US-264 WB OFF-RAMP
16. US-264 WB ON-RAMP
17. US-264 EB OFF-RAMP
18. US-264 EB ON-RAMP

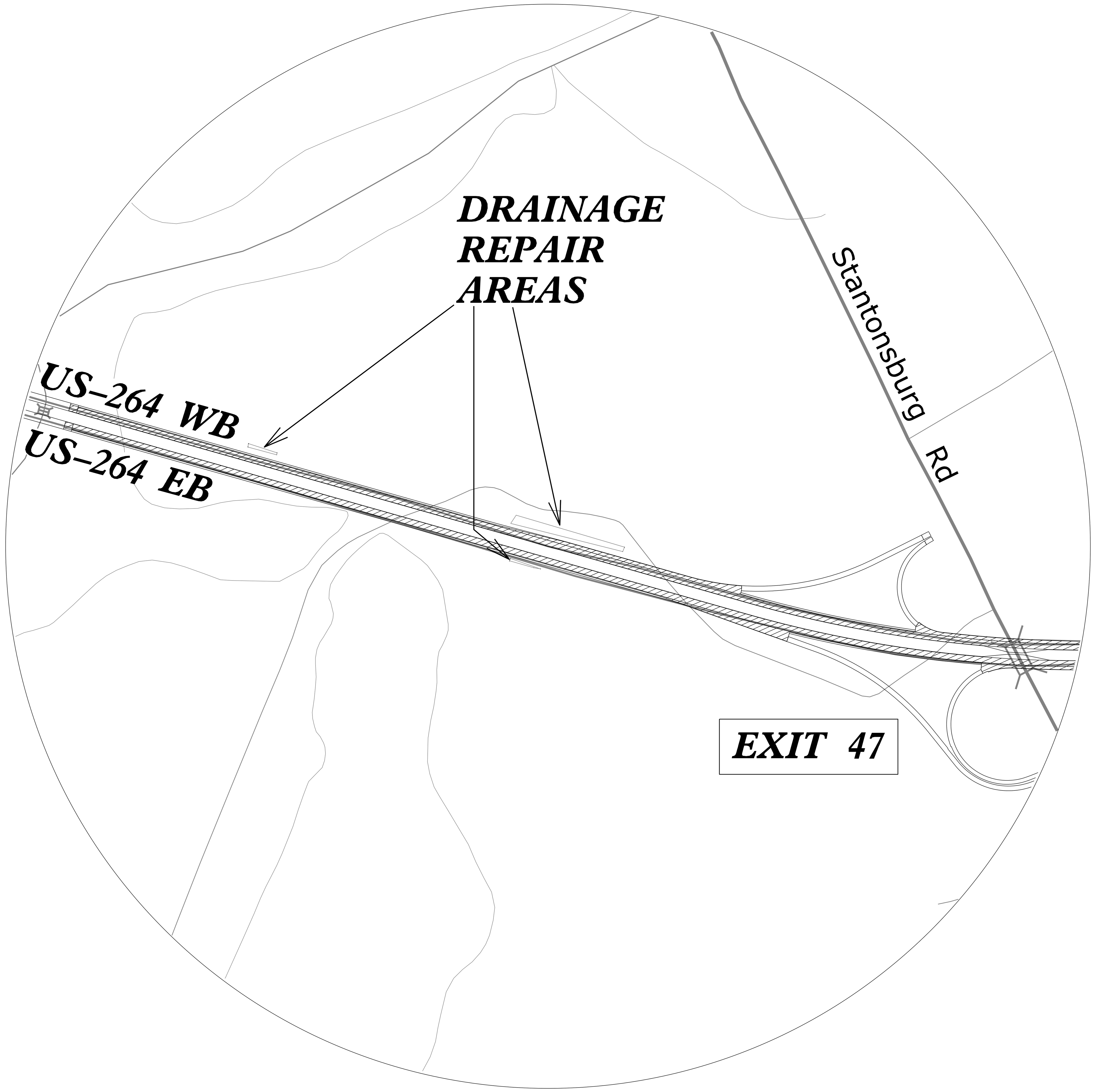
2022

US-264 RESURFACING

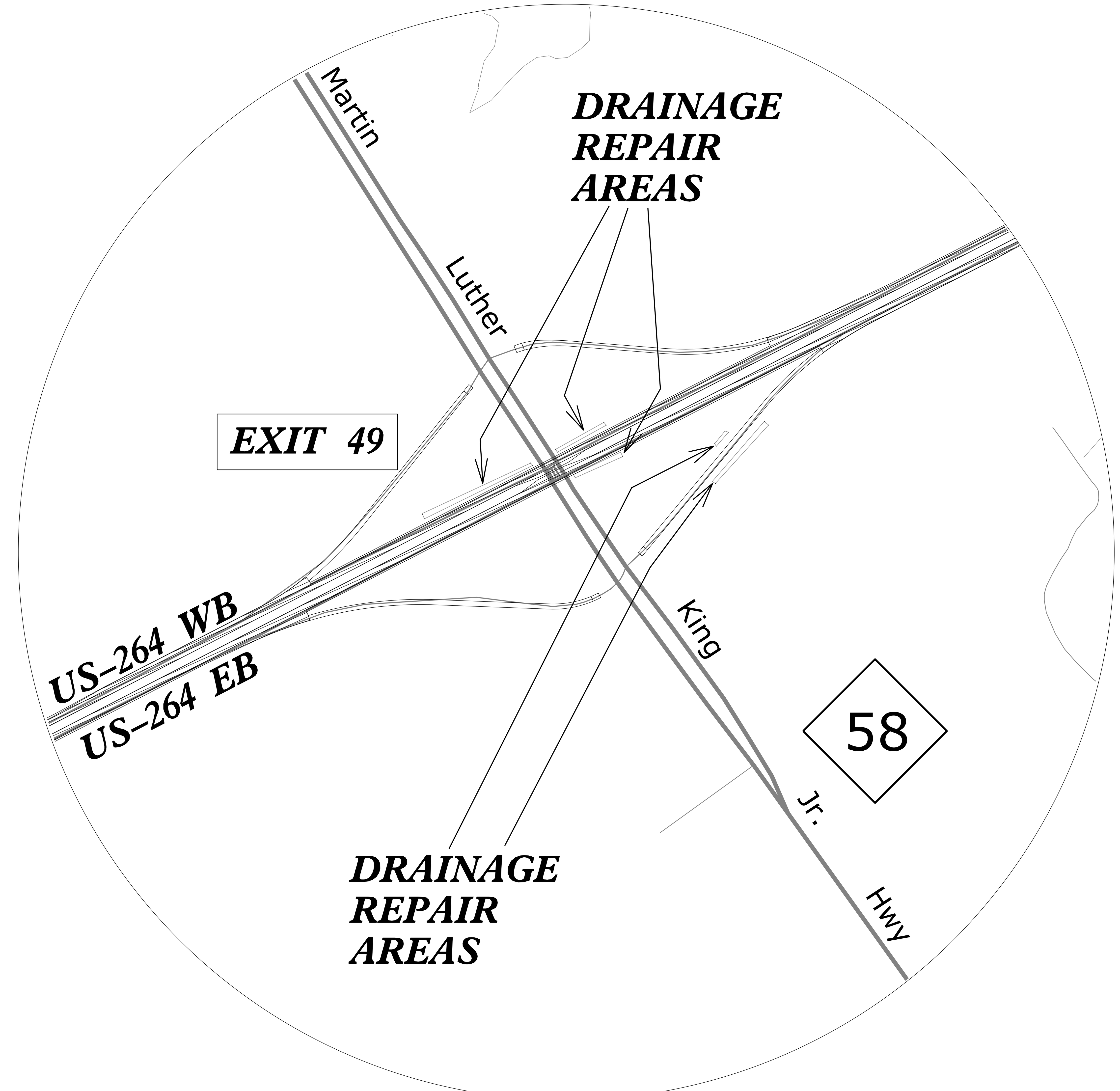
PROJECT REFERENCE NO.	SHEET NO.
HI-0006	4

REVISIONS

INSET A



INSET B



2022
US-264 RESURFACING

8/17/99
4/25/2022
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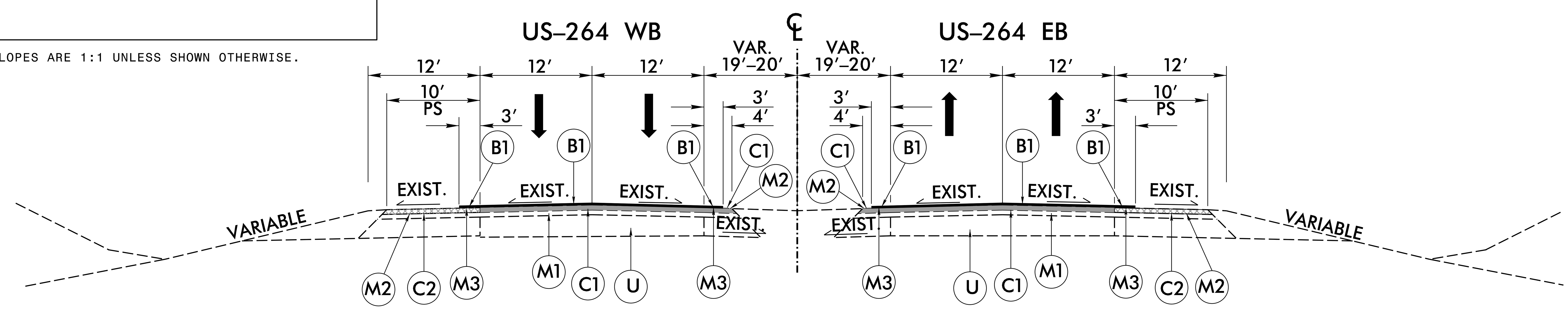
PAVEMENT SCHEDULE

(FINAL PAVEMENT DESIGN)

B1	¾" OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED, AT A RATE OF 90 LBS. PER SQ. YD.
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
M1	MILL 2" TO 2.75" OF EXISTING ASPHALT PAVEMENT
M2	MILL 2" OF EXISTING ASPHALT PAVEMENT
M3	MILLED RUMBLE STRIPS
U	EXISTING PAVEMENT

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

NOTE:
FOR MILLING EXISTING PAVEMENT,
WHEN OPEN-GRADED FRICTION COURSE IS PRESENT, USE 2.75" AND
WHEN OPEN-GRADED FRICTION COURSE IS NOT PRESENT, USE 2".



TYPICAL SECTION NO. 1

USE TYPICAL SECTION NO. 1

MAP 1

EXIT #43

EXIT #46

EXIT #47

EXIT #49

REVISIONS

8/17/99

5/26/2022
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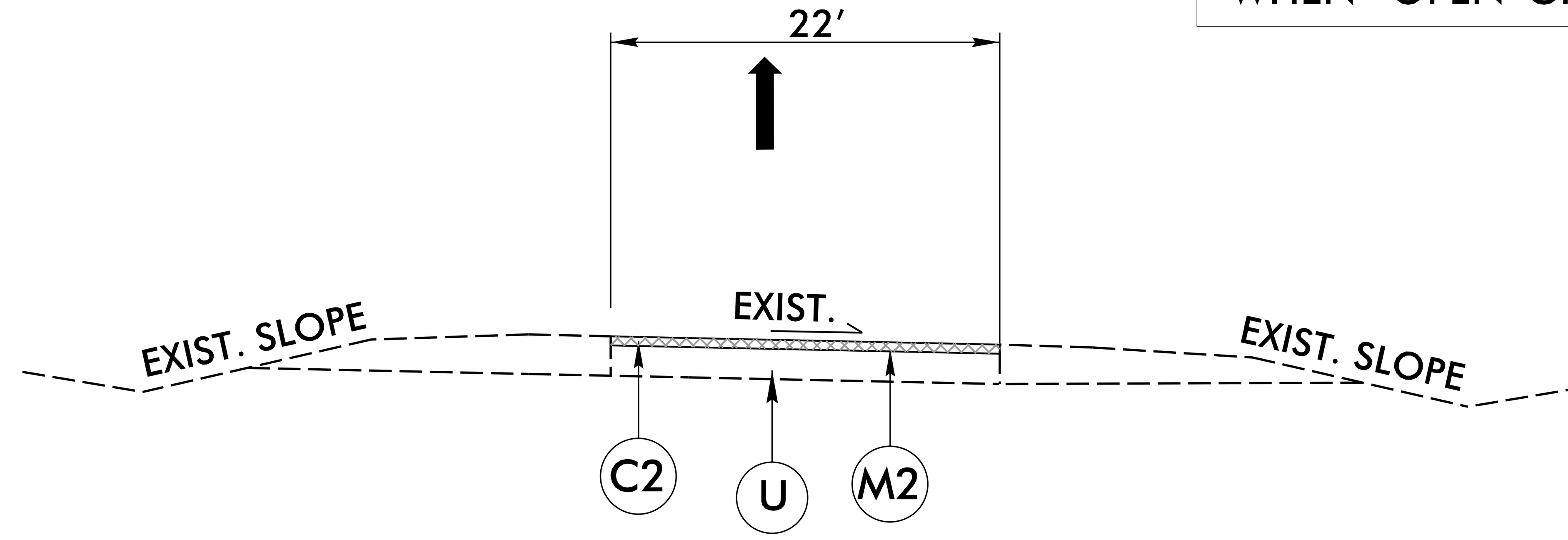
PROJECT REFERENCE NO.	SHEET NO.
HI-0006	2A-2

PAVEMENT SCHEDULE	
C2	2" S9.5C
M2	MILL 2"
U	EX. PAVEMENT

NOTE:
FOR MILLING EXISTING PAVEMENT,
WHEN OPEN-GRADED FRICTION COURSE IS PRESENT, USE 2.75" AND
WHEN OPEN-GRADED FRICTION COURSE IS NOT PRESENT, USE 2".

US-264 RAMP

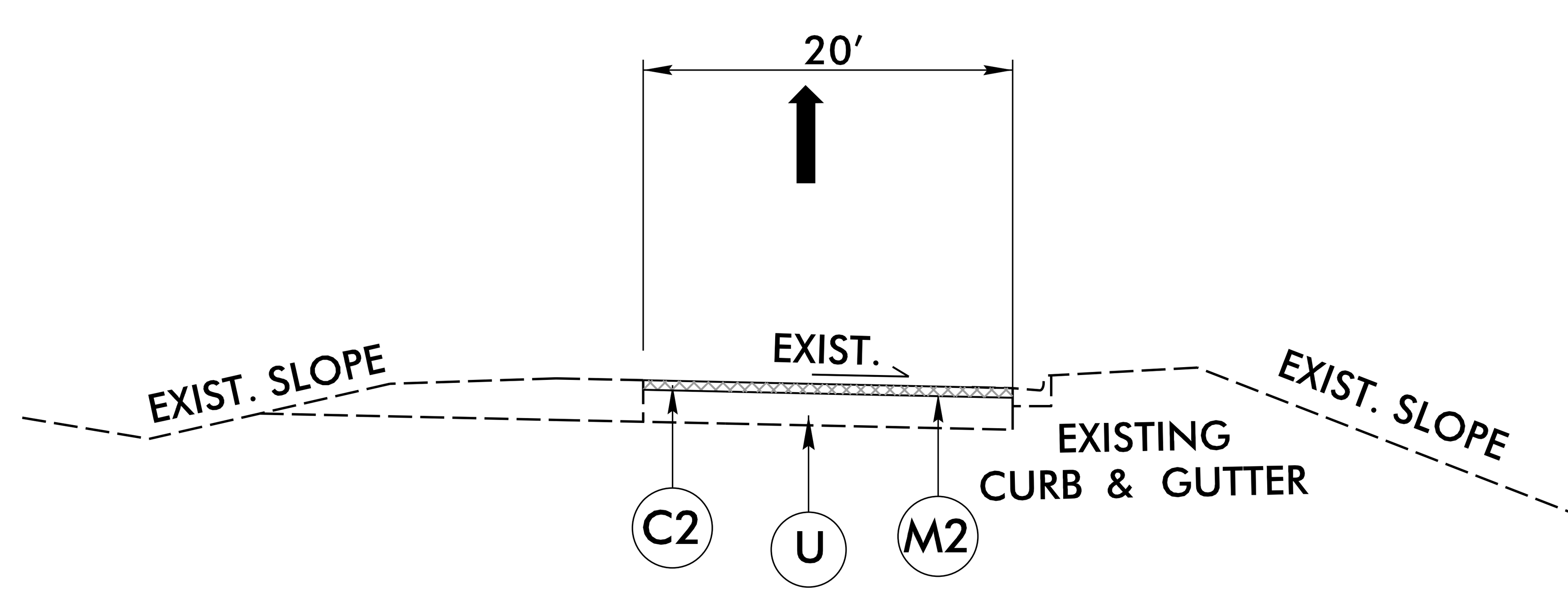


TYPICAL SECTION NO. 2

USE TYPICAL SECTION NO. 2

MAPS 2, 3, 4, 5, 7, 8, 9,
11. 12. 15. 16, 17, 18

US-264 LOOP



TYPICAL SECTION NO. 3

USE TYPICAL SECTION NO. 3

MAPS 6, 10, 13, 14

REVISIONS

8/17/99

5/26/2022

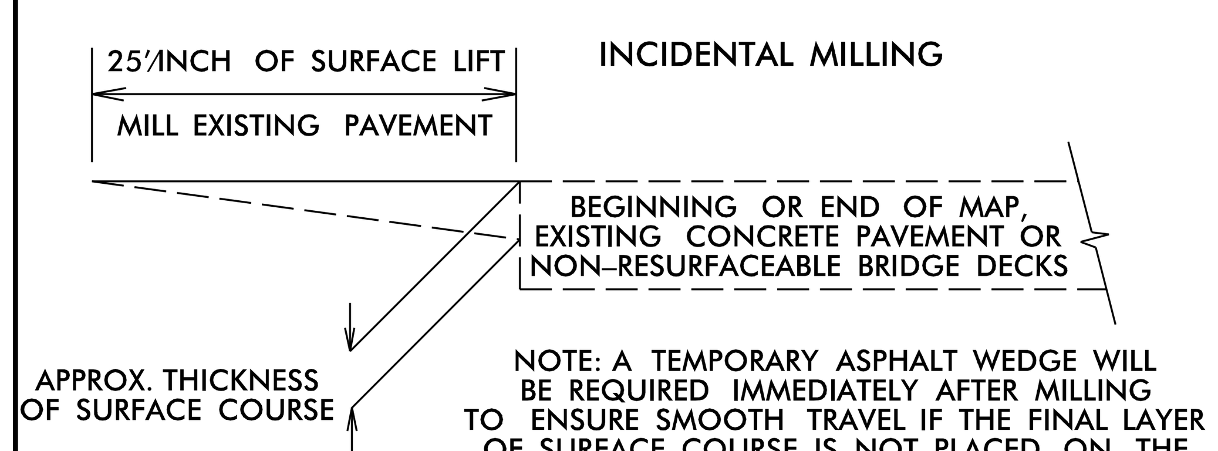
8/17/99

REVISIONS

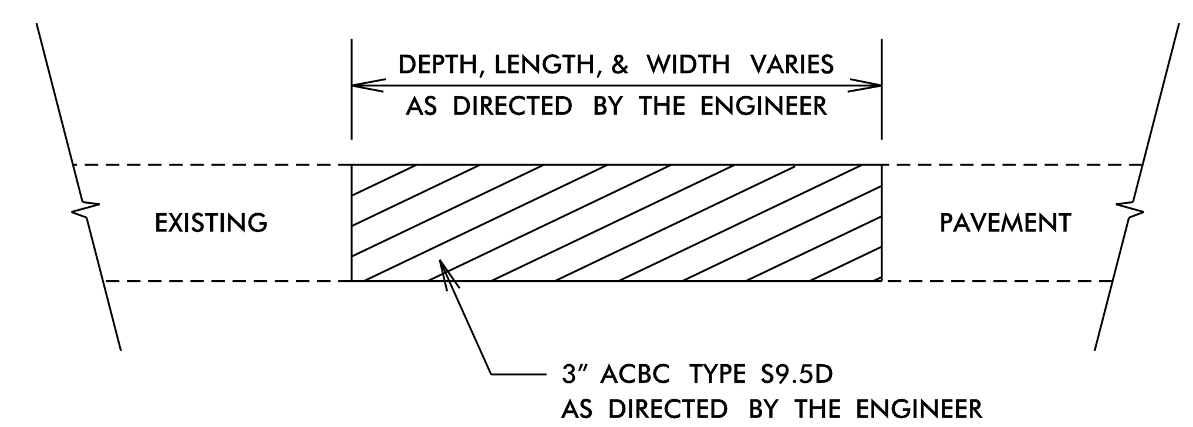
NOTES TO CONTRACTOR

Perform the work in accordance with Section 607 of the January 2018 North Carolina Department of Transportation Standard Specifications for Roads and Structures. Resurfacing will be accomplished at the same time as the milling operation.

INCIDENTAL MILLING



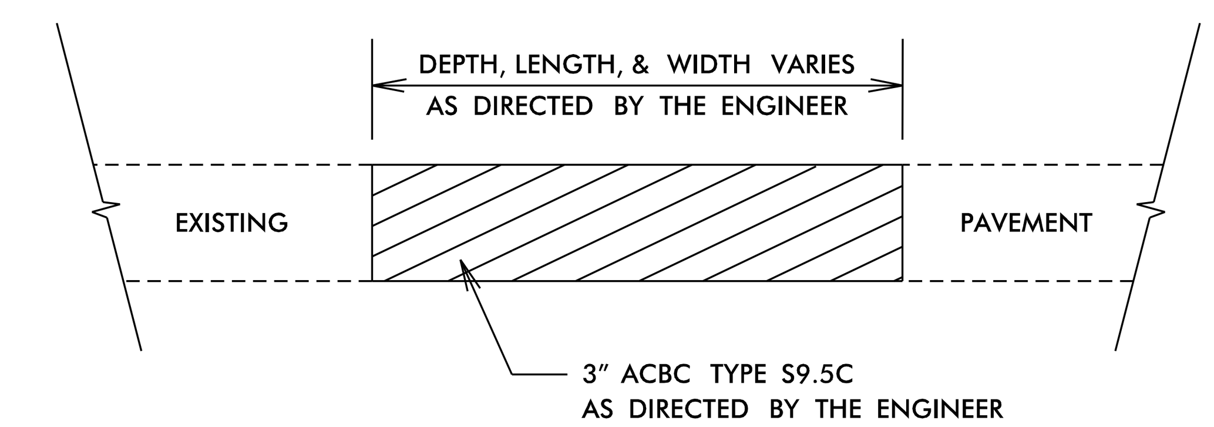
NOTE: A TEMPORARY ASPHALT WEDGE WILL BE REQUIRED IMMEDIATELY AFTER MILLING TO ENSURE SMOOTH TRAVEL IF THE FINAL LAYER OF SURFACE COURSE IS NOT PLACED ON THE SAME DAY AS MILLING.



PATCHING EXISTING PAVEMENT

US-264 TRAVEL LANES

MILLING TO BE PERFORMED PRIOR TO PATCHING



PATCHING EXISTING PAVEMENT

US-264 RAMPS /LOOPS

MILLING TO BE PERFORMED PRIOR TO PATCHING

5/26/2022
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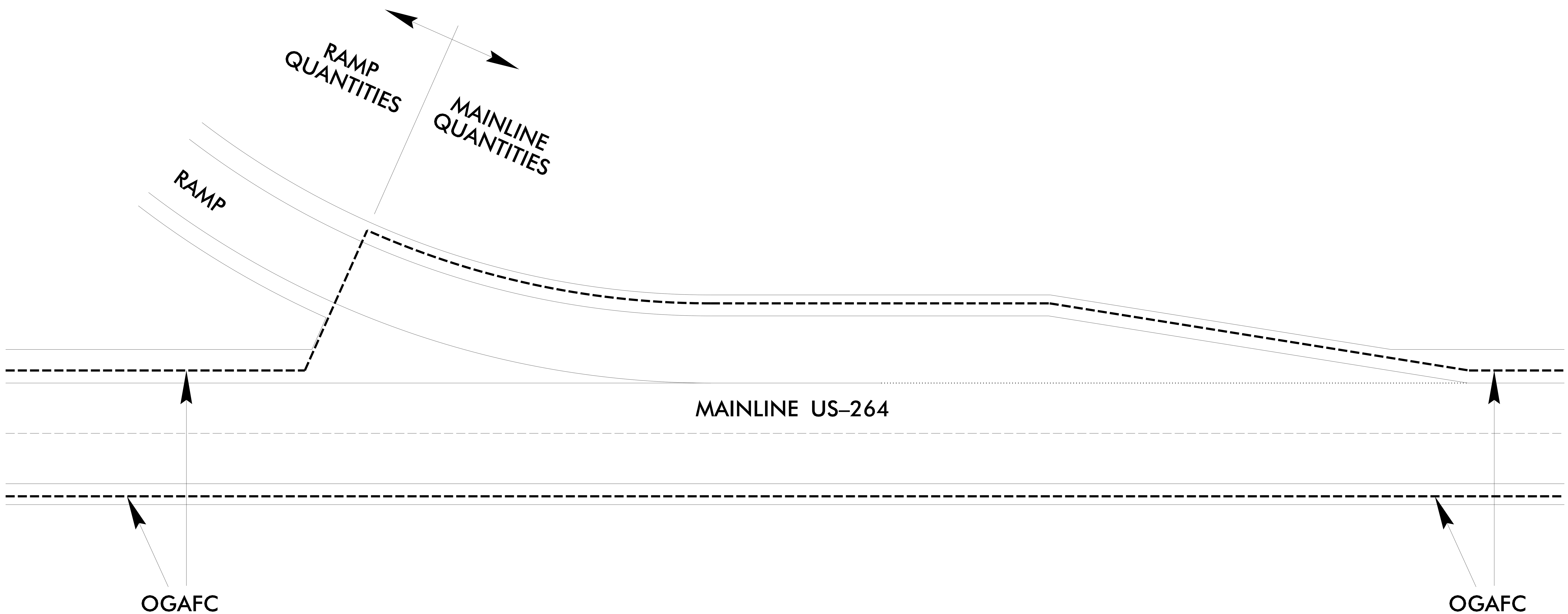
PAVING LIMITS FOR OPEN-GRADED FRICTION COURSE AT EXIT AND ENTRANCE RAMPS & LOOPS



NOT TO SCALE

REVISIONS

SUMMARY OF QUANTITIES

																						PROJECT NO.	SHEET NO.	TOTAL NO.
																						HI-0006	5	
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYPICAL SECTION NO.	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1297000000-E MILLING ASPHALT PAVEMENT, 2" DEPTH	1308000000-E MILLING ASPHALT PAVEMENT, 2" TO 2.75"	1330000000-E INCIDENTAL MILLING	1523200000-E ASPHALT CONC SURFACE COURSE, TYPE S9.5C	1524200000-E ASPHALT CONC SURFACE COURSE, TYPE S9.5D	1575000000-E ASPHALT BINDER FOR PLANT MIX	1577000000-E POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	1662000000-E OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MOD	1704000000-E PATCHING EXIST PVMT	1840000000-E MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	4400000000-E WORK ZONE SIGNS (STATIONARY)	4420000000-N PORTABLE CHANGEABLE MESSAGE SIGN	4423000000-N WORK ZONE DIGITAL SPEED LIMIT SIGNS
										MI	FT	SY	SY	SY	TON	TON	TON	TON	TON	TON	LF	SF	EA	EA
HI-0006 49982.3.1	WILSON	1	US 264	FROM I-795 TO TOISNOT SWAMP	1	4		NO	NO	6.97	76	1,159	264,064	4,584	10,428	24,990	620	1,935	7,805	2,655	141,476	464	4	5
TOTAL FOR MAP NO. 1										6.97		1,159	264,064	4,584	10,428	24,990	620	1,935	7,805	2,655	141,476	464	4	5
HI-0006 49982.3.1	WILSON	2	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.23	22	3,092		100	346		21			26	50			
TOTAL FOR MAP NO. 2										0.23		3,092		100	346		21			26	50			
HI-0006 49982.3.1	WILSON	3	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.21	22	2,890		142	324		20			24				
TOTAL FOR MAP NO. 3										0.21		2,890		142	324		20			24				
HI-0006 49982.3.1	WILSON	4	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.25	22	3,385		100	379		23			28	50			
TOTAL FOR MAP NO. 4										0.25		3,385		100	379		23			28	50			
HI-0006 49982.3.1	WILSON	5	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.24	22	3,329		100	373		22			28				
TOTAL FOR MAP NO.5										0.24		3,329		100	373		22			28				
HI-0006 49982.3.1	WILSON	6	US 264 EB LOOP	US 264 EB RAMP	3	1		NO	NO	0.16	20	1,745		84	195		12			15				
TOTAL FOR MAP NO. 6										0.16		1,745		84	195		12			15				
HI-0006 49982.3.1	WILSON	7	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.20	22	2,788		100	312		19			23	50			
TOTAL FOR MAP NO. 7										0.20		2,788		100	312		19			23	50			
HI-0006 49982.3.1	WILSON	8	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.17	22	2,328		100	261		16			20				
TOTAL FOR MAP NO. 8										0.17		2,328		100	261		16			20				
HI-0006 49982.3.1	WILSON	9	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.20	22	2,728		100	306		18			23				
TOTAL FOR MAP NO. 9										0.20		2,728		100	306		18			23				
HI-0006 49982.3.1	WILSON	10	US 264 EB LOOP	US 264 EB RAMP	3	1		NO	NO	0.09	20	1,024		85	115		7			9				
TOTAL FOR MAP NO. 10										0.09		1,024		85	115		7			9				
HI-0006 49982.3.1	WILSON	11	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.17	22	2,386		100	267		16			20				
TOTAL FOR MAP NO. 11										0.17		2,386		100	267		16			20				
HI-0006 49982.3.1	WILSON	12	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.29	22	3,839		92	430		26			32	50			
TOTAL FOR MAP NO. 12										0.29		3,839		92	430		26			32	50			
HI-0006 49982.3.1	WILSON	13	US 264 WB LOOP	US 264 WB RAMP	3	1		NO	NO	0.09	20	1,008		83	113		7			8				
TOTAL FOR MAP NO. 13										0.09		1,008		83	113		7			8				
HI-0006 49982.3.1	WILSON	14	US 264 EB LOOP	US 264 EB RAMP	3	1		NO	NO	0.18	20	1,956		75	219		13			16				
TOTAL FOR MAP NO. 14										0.18		1,956		75	219		13			16				
HI-0006 49982.3.1	WILSON	15	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.22	22	3,157		141	354		21			27	50			
TOTAL FOR MAP NO. 15										0.22		3,157		141	354		21			27	50			
HI-0006 49982.3.1	WILSON	16	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.22	22	3,029		100	339		20			25				
TOTAL FOR MAP NO. 16										0.22		3,029		100	339		20			25				
HI-0006 49982.3.1	WILSON	17	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.26	22	3,532		100	396		24			30	50			
TOTAL FOR MAP NO. 17										0.26		3,532		100	396		24			30	50			
HI-0006 49982.3.1	WILSON	18	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.24	22	3,286		100	368		22			28				
TOTAL FOR MAP NO. 18										0.24		3,286		100	368		22			28				
TOTAL										8.26		46,661	264,064	6,286	15,525	24,990	926	1,935	7,805	3,037	141,776	464	4	5
PAY ITEM TOTAL												46,661	264,064	6,286	15,525	24,990	926	1,935	7,805	3,037	141,776	464	4	5

SUMMARY OF QUANTITIES

																					PROJECT NO.	SHEET NO.	TOTAL NO.
																					HI-0006	6	
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYPICAL SECTION NO.	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	4510000000-N LAW ENFORCEMENT	4600000000-N SINGLE LANE CLOSURE	4600000000-N RAMP/LOOP CLOSURE	4600000000-N CONNECTED LANE CLOSURE DEVICE	4688000000-E THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS) WHITE	4688000000-E THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS) YELLOW	4700000000-E THERMOPLASTIC PAVEMENT MARKINGLINES (12", 90 MILS) WHITE	4700000000-E THERMOPLASTIC PAVEMENT MARKINGLINES (12", 90 MILS) YELLOW	4720000000-E THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS) "ONLY"	4725000000-E THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS) LEFT TURN ARROW	4725000000-E THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS) RIGHT TURN ARROW	4725000000-E THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS) MERGE ARROW	4725000000-E THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS) WRONG-WAY RAMP ARROW
										MI	FT	HR	EA	EA	EA	LF	LF	LF	LF	EA	EA	EA	EA	EA
HI-0006 49982.3.1	WILSON	1	US 264	FROM I-795 TO TOISNOT SWAMP	1	4		NO	NO	6.97	76	1,294	118	16	2	100,680	77,790	10,340		8		4	26	
TOTAL FOR MAP NO. 1										6.97		1,294	118	16	2	100,680	77,790	10,340		8		4	26	
HI-0006 49982.3.1	WILSON	2	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.23	22					1,320	1,320							1
TOTAL FOR MAP NO. 2										0.23						1,320	1,320							1
HI-0006 49982.3.1	WILSON	3	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.21	22					1,240	1,230							
TOTAL FOR MAP NO. 3										0.21						1,240	1,230							
HI-0006 49982.3.1	WILSON	4	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.25	22					1,440	1,440							1
TOTAL FOR MAP NO. 4										0.25						1,440	1,440							1
HI-0006 49982.3.1	WILSON	5	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.24	22					1,420	1,420							
TOTAL FOR MAP NO.5										0.24						1,420	1,420							
HI-0006 49982.3.1	WILSON	6	US 264 EB LOOP	US 264 EB RAMP	3	1		NO	NO	0.16	20						930							
TOTAL FOR MAP NO. 6										0.16							930							
HI-0006 49982.3.1	WILSON	7	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.20	22					1,200	1,190							1
TOTAL FOR MAP NO. 7										0.20						1,200	1,190							1
HI-0006 49982.3.1	WILSON	8	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.17	22					1,010	1,010							
TOTAL FOR MAP NO. 8										0.17						1,010	1,010							
HI-0006 49982.3.1	WILSON	9	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.20	22					1,170	1,170							
TOTAL FOR MAP NO. 9										0.20						1,170	1,170							
HI-0006 49982.3.1	WILSON	10	US 264 EB LOOP	US 264 EB RAMP	3	1		NO	NO	0.09	20						570							
TOTAL FOR MAP NO. 10										0.09							570							
HI-0006 49982.3.1	WILSON	11	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.17	22					1,110	1,130		40					
TOTAL FOR MAP NO. 11										0.17						1,110	1,130		40					
HI-0006 49982.3.1	WILSON	12	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.29	22					1,750	1,740		40					1
TOTAL FOR MAP NO. 12										0.29						1,750	1,740		40					1
HI-0006 49982.3.1	WILSON	13	US 264 WB LOOP	US 264 WB RAMP	3	1		NO	NO	0.09	20						640							1
TOTAL FOR MAP NO. 13										0.09							640							1
HI-0006 49982.3.1	WILSON	14	US 264 EB LOOP	US 264 EB RAMP	3	1		NO	NO	0.18	20						1,150							
TOTAL FOR MAP NO. 14										0.18							1,150							
HI-0006 49982.3.1	WILSON	15	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.22	22					1,300	1,300	20			1	1		1
TOTAL FOR MAP NO. 15										0.22						1,300	1,300	20			1	1		1
HI-0006 49982.3.1	WILSON	16	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.22	22					1,290	1,300							
TOTAL FOR MAP NO. 16										0.22						1,290	1,300							
HI-0006 49982.3.1	WILSON	17	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.26	22					1,500	1,500							1
TOTAL FOR MAP NO. 17										0.26						1,500	1,500							1
HI-0006 49982.3.1	WILSON	18	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.24	22					1,400	1,400							
TOTAL FOR MAP NO. 18										0.24						1,400	1,400							
TOTAL										8.26		1,294	118	16	2	117,830	98,230	10,360	80	8	1	5	26	7
PAY ITEM TOTAL												1,294				216,060		10,440		8	39.00			

SUMMARY OF QUANTITIES

PROJECT NO.	SHEET NO.	TOTAL NO.
HI-0006	7	

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYPICAL SECTION NO.	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	4815000000-E PAINT PAVEMENT MARKING LINES (6") WHITE	4815000000-E PAINT PAVEMENT MARKING LINES (6") YELLOW	4825000000-E PAINT PAVEMENT MARKING LINES (12") WHITE	4825000000-E PAINT PAVEMENT MARKING LINES (12") YELLOW	4835000000-E PAINT PAVEMENT MARKING LINES (24") WHITE	4855000000-E REMOVAL OF PAVEMENT MARKING LINES (6")	4865000000-E REMOVAL OF PAVEMENT MARKING LINES (12")	4870000000-E REMOVAL OF PAVEMENT MARKING LINES (24")	4847040000-E POLYUREA PAVEMENT MARKING LINES 6", 30 MILS WHITE	4847040000-E POLYUREA PAVEMENT MARKING LINES 6", 30 MILS YELLOW	4709000000-E THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS) WHITE	4905100000-N NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER (CRYSTAL/RED)	7444000000-E INDUCTIVE LOOP SAWCUT
										MI	FT	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	LF
HI-0006 49982.3.1	WILSON	1	US 264	FROM I-795 TO TOISNOT SWAMP	1	4		NO	NO	6.97	76	210,000	162,200	20,680						4,330	3,320		2,050	625
TOTAL FOR MAP NO. 1										6.97		210,000	162,200	20,680						4,330	3,320		2,050	625
HI-0006 49982.3.1	WILSON	2	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.23	22	1,320	1,320										20	
TOTAL FOR MAP NO. 2										0.23		1,320	1,320										20	
HI-0006 49982.3.1	WILSON	3	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.21	22	1,240	1,230											
TOTAL FOR MAP NO. 3										0.21		1,240	1,230											
HI-0006 49982.3.1	WILSON	4	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.25	22	1,440	1,440										20	
TOTAL FOR MAP NO. 4										0.25		1,440	1,440										20	
HI-0006 49982.3.1	WILSON	5	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.24	22	1,420	1,420											
TOTAL FOR MAP NO.5										0.24		1,420	1,420											
HI-0006 49982.3.1	WILSON	6	US 264 EB LOOP	US 264 EB RAMP	3	1		NO	NO	0.16	20		930											
TOTAL FOR MAP NO. 6										0.16			930											
HI-0006 49982.3.1	WILSON	7	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.20	22	1,200	1,190										20	
TOTAL FOR MAP NO. 7										0.20		1,200	1,190										20	
HI-0006 49982.3.1	WILSON	8	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.17	22	1,010	1,010											
TOTAL FOR MAP NO. 8										0.17		1,010	1,010											
HI-0006 49982.3.1	WILSON	9	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.20	22	1,170	1,170											
TOTAL FOR MAP NO. 9										0.20		1,170	1,170											
HI-0006 49982.3.1	WILSON	10	US 264 EB LOOP	US 264 EB RAMP	3	1		NO	NO	0.09	20		570											
TOTAL FOR MAP NO. 10										0.09			570											
HI-0006 49982.3.1	WILSON	11	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.17	22	1,110	1,130		40		154							
TOTAL FOR MAP NO. 11										0.17		1,110	1,130		40		154							
HI-0006 49982.3.1	WILSON	12	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.29	22	1,750	1,740		40	50	119	30	43			50	20	
TOTAL FOR MAP NO. 12										0.29		1,750	1,740		40	50	119	30	43			50	20	
HI-0006 49982.3.1	WILSON	13	US 264 WB LOOP	US 264 WB RAMP	3	1		NO	NO	0.09	20		640			50	88	30	45			50	20	
TOTAL FOR MAP NO. 13										0.09			640			50	88	30	45			50	20	
HI-0006 49982.3.1	WILSON	14	US 264 EB LOOP	US 264 EB RAMP	3	1		NO	NO	0.18	20		1,150				50							
TOTAL FOR MAP NO. 14										0.18			1,150				50							
HI-0006 49982.3.1	WILSON	15	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.22	22	1,300	1,300	20									30	
TOTAL FOR MAP NO. 15										0.22		1,300	1,300	20									30	
HI-0006 49982.3.1	WILSON	16	US 264 WB RAMP	US 264 WB RAMP	2	1		NO	NO	0.22	22	1,290	1,300											
TOTAL FOR MAP NO. 16										0.22		1,290	1,300											
HI-0006 49982.3.1	WILSON	17	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.26	22	1,500	1,500										20	
TOTAL FOR MAP NO. 17										0.26		1,500	1,500										20	
HI-0006 49982.3.1	WILSON	18	US 264 EB RAMP	US 264 EB RAMP	2	1		NO	NO	0.24	22	1,400	1,400											
TOTAL FOR MAP NO. 18										0.24		1,400	1,400											
TOTAL										8.26		227,150	182,640	20,700	80	100	411	60	88	4,330	3,320	100	2,200	625
PAY ITEM TOTAL												409,790		20,780		100			88	7,650			2,200	

PROJECT NO.		SHEET NO.
HI-0006		8

SUMMARY OF QUANTITIES - DRAINAGE

PROJECT NUMBER	COUNTY	Item #	Map Figure #	ROUTE	LONG	LAT	DESCRIPTION	0106000000-E BORROW EXCAVATION	0234000000-E GENERIC GRADING ITEM, SLOPE RESTORATION	0318000000-E FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	0320000000-E FOUNDATION CONDITIONING GEOTEXTILE	0366000000-E 15" RC PIPE CULVERTS, CLASS III	0372000000-E 18" RC PIPE CULVERTS, CLASS III	0995000000-E PIPE REMOVAL	1220000000-E INCIDENTAL STONE BASE	2275000000-E FLOWABLE FILL	2752000000-E GENERIC PAVING ITEM-REMOVE AND REPLACE SHOULDER BERM GUTTER	2484000000-E GENERIC DRAINAGE ITEM-DRAINAGE SHOULDER BERM GUTTER DEBRIS REMOVAL	2473000000-N GENERIC DRAINAGE ITEM-DRAINAGE STRUCTURE CLEANOUT	2253000000-E PIPE COLLARS	2365000000-N FRAME WITH TWO GRATES, STD 840.22	2473000000-N GENERIC DRAINAGE ITEM-CONCRETE APRON	6000000000-E TEMPORARY SILT FENCE	6012000000-E SEDIMENT CONTROL STONE	6029000000-E SAFETY FENCE	6042000000-E 1/4" HARDWARE CLOTH	6071010000-E WATTLE	6084000000-E SEEDING & MULCHING	6117500000-N CONCRETE WASHOUT STRUCTURE
								CY	CY	TON	SY	LF	LF	LF	TON	CY	LF	LF	EA	CY	EA	EA	LF	TON	LF	LF	LF	ACR	EA
HI-0006	Wilson	1	na	US 264 EB	-77.85871013	35.67418779	Erosion Around box	20		0.85	2.67	8		8						0.399				5		40	40	0.1	
		2	na	US 264 EB	-77.85435975	35.67594504	Shoulder Wash	5																				0.1	
		3	na	US 264 WB	-77.85486494	35.67620058	Erosion Around box	10														1		5		40	40	0.1	
		4	15	Ramp	na	na	Low shoulder								50														
		5	17	Ramp	na	na	Low shoulder								100														
		6	18	Ramp	na	na	Low shoulder								100														
		7	16	Ramp	na	na	Low shoulder								100														1
		8	12	Ramp	na	na	Low shoulder								100														
		9	8	Ramp	na	na	Low shoulder								130														
		10	7	Ramp	na	na	Low shoulder								50														
		11	9	Ramp	na	na	Low shoulder								50														
		12	3	Ramp	na	na	Low shoulder								150														
		13	2	Ramp	na	na	Low shoulder								50														
		14	5	Ramp	na	na	Low shoulder								50														
		15	11	Ramp	na	na	Low shoulder								100														
		16	na	US 264 WB	-77.87480797	35.66879923	Wash Behind GuardRail	20									40		1					5		40	40	0.1	
		17	na	US 264 Median	-77.89168318	35.67126612	Erosion Around box	1																5		40	40	0.1	
		18	na	US 264 WB	-77.91531657	35.67455939	Shoulder Wash	30																				0.1	
		19	na	US 264 WB	-77.92736044	35.67496023	Shoulder Wash	20																				0.1	
		20	na	US 264 WB	-77.92712509	35.6750085	Shoulder Wash	12																				0.1	
		21	na	US 264 Median	-77.9587784	35.68181821	Erosion Around box	20																5		40	40	0.1	
		22	na	US 264 Median	-77.95675568	35.68080486	Erosion Around box	8																5		40	40	0.1	
		23	na	US 264 Median	-77.86102254	35.67345743	Erosion Around box	30		1.70	5.33		16	16						0.893				5		40	40	0.1	
		24	na	US 264 Median	-77.85878126	35.67433175	Erosion Around box	5		0	0													5		40	40	0.1	
		25	na	US 264 EB	na	na	Slope Repair		220																			0.13	
		26	na	US 264 WB	na	na	Slope Repair		1300																			0.81	
		27	18	Ramp	na	na	Slope Repair		350																			0.21	
		28	na	US 264 EB	na	na	Shoulder berm gutter debris											6,000					50		50				1
		29	na	US 264 WB	na	na	Shoulder berm gutter debris									10		10,500			1		50		50				1
TOTAL								181	1870	2.54	8.00	8	16	24	1030	10	40	16,500	1	1.292	1	1	100	40	100	320	320	2.35	3
SAY								**200**	**2000**	**3**	**10**				**1100**														

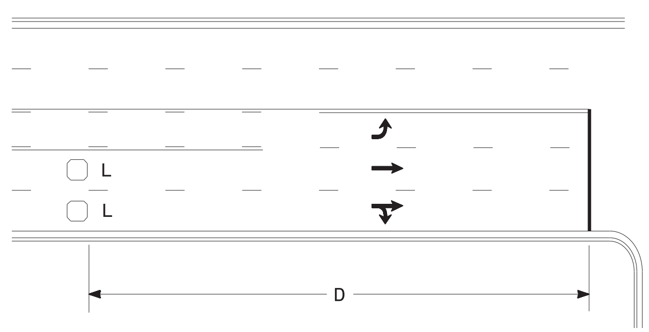
PROJECT NO.	SHEET NO.
HI-0006	9

SUMMARY OF QUANTITIES - GUARDRAIL

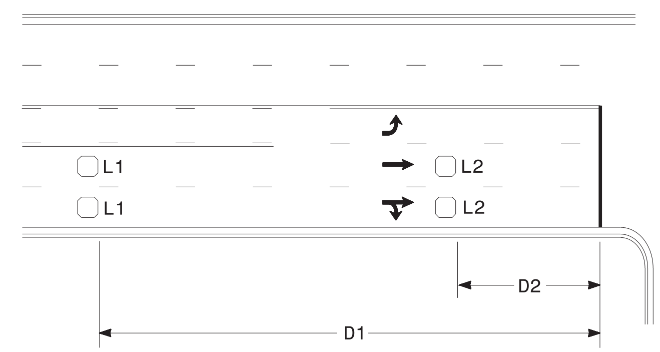
PROJECT NUMBER	COUNTY	Item #	Map Figure #	ROUTE	3150000000-N	3347000000-E	3360000000-E	3030000000-E	3045000000-E	321000000-N	343500000-N	300100000-N
					ADDITIONAL GUARDRAIL POSTS	REMOVE & RESET EXISTING GUARD-RAIL	REMOVE EXISTING GUARDRAIL	STEEL BEAM GUARDRAIL	STEEL BEAM GUARDRAIL, SHOP CURVED	GUARDRAIL END UNITS, TYPE CAT-1	GENEREC GUARDRAIL ITEM (REMOVE AND RESET EXISITIG GUARDRAIL END UNITS TYPE TL-3)	IMPACT ATTENUATOR UNITS, TYPE TL-3
					EA	LF	LF	LF	LF	EA	EA	EA
HI-0006	Wilson	1	na	US 264 EB	20	19841	2205	2205	0	11	15	6
		2	na	US 264 WB		17710	1968	1968	0	8	10	0
		3	2	WB off Ramp		0	0	0	0	0	0	0
		4	3	WB on Ramp		0	0	0	0	0	0	0
		5	4	EB off Ramp		0	0	0	0	0	0	0
		6	5	EB on Ramp		1054	117	117	0	0	1	0
		7	6	EB off Loop		0	0	0	0	0	0	0
		8	7	WB off Ramp		0	0	0	0	0	0	0
		9	8	WB on Ramp		0	0	0	0	0	0	0
		10	9	EB on Ramp		0	0	0	0	0	0	0
		11	10	EB off Loop		0	0	0	0	0	0	0
		12	11	WB on Ramp		0	0	0	24	0	0	0
		13	12	WB off Ramp		516	57	57	12	0	1	0
		14	13	EB off Loop		36	4	4	12	1	0	0
		15	14	EB on Loop		72	8	8	0	1	0	0
		16	15	EB off Ramp		0	0	0	0	0	0	0
		17	16	WB on Ramp		0	0	0	0	0	0	0
		18	17	WB off Ramp		0	0	0	0	0	0	0
		19	18	EB on Ramp		0	0	0	0	0	0	0
TOTAL					20	39230	4359	4359	48	21	27	6
SAY					**20**	**40000**	**4375**	**4375**	**60**			

PROJECT REFERENCE NO.	SHEET NO.
	10

High Speed Detection
(≥40 mph)



OR



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

L = 6ft X 6ft
Wired separately

Volume Density Operation

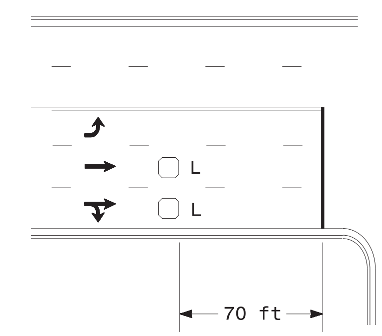
Speed Limit mph	D1 ft	D2 ft
40	250	80
45	300	90
50	355	100
55	420	110

L1 = 6ft X 6ft
Wired in series

L2 = 6ft X 6ft
Wired in series

"Stretch" Operation

Low Speed Detection
(≤35 mph)



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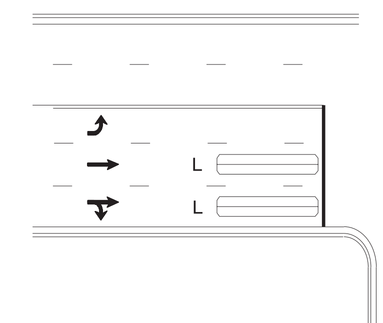
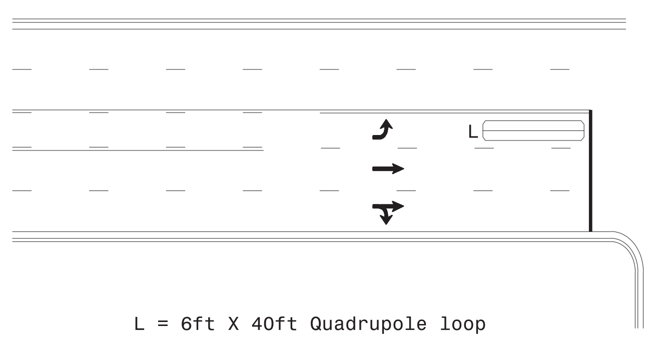


L = 6ft X 6ft
Wired in series

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

Left Turn Lane Detection



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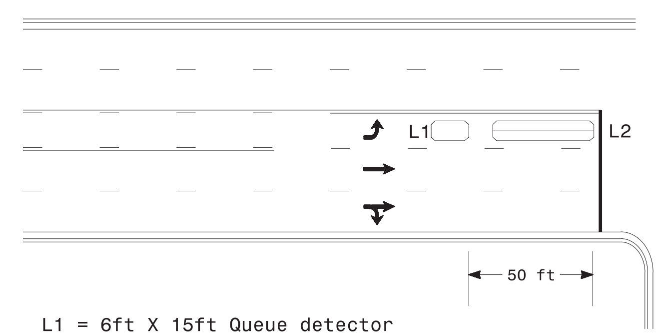


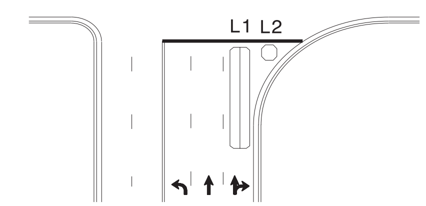
L = 6ft X 40ft Quadrupole loop

Presence Loop Detection

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

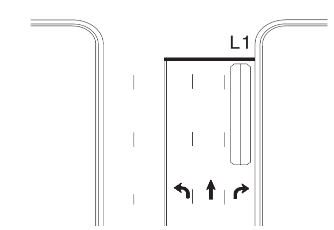
Queue Loop Detection

Right Turn Lane Detection

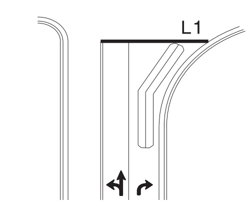


Shared Lane/
Wide Radius Turn

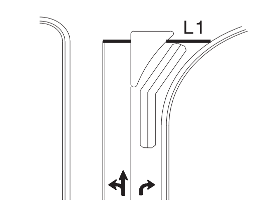
L1 = 6ft X 40ft Quadrupole loop
L2 = 6ft X 6ft [Minimum] Presence loop
Wired separately



Standard Turn

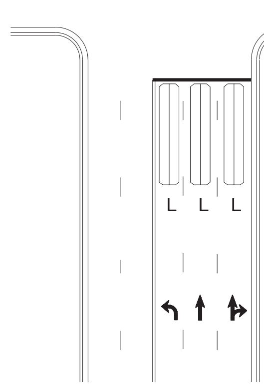


Wide Radius Turn



Channelized Turn

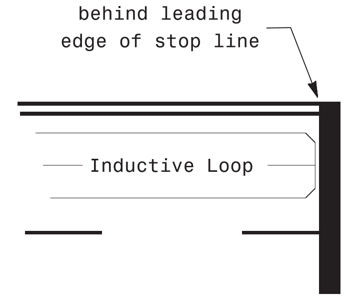
Side Street Detection



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

Presence Loop Placement at Stop Lines

Locate loop slightly
behind leading
edge of stop line



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:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy.,Garner,NC 27529

Typical Signal Loop Locations

PLAN DATE:	September 2020	REVIEWED BY:	JPG
PREPARED BY:	PLA	REVIEWED BY:	

SCALE
N/A

REVISIONS	INIT.	DATE

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

08-SEP-2020 11:54
S:\ITS&SU\ITS Signals\Signal Design Section\Eastern Region\Loop Typical\looptypical2015.dgn
jgalloway

PROJECT REFERENCE NO.	SHEET NO.
HI-0006	EC-1

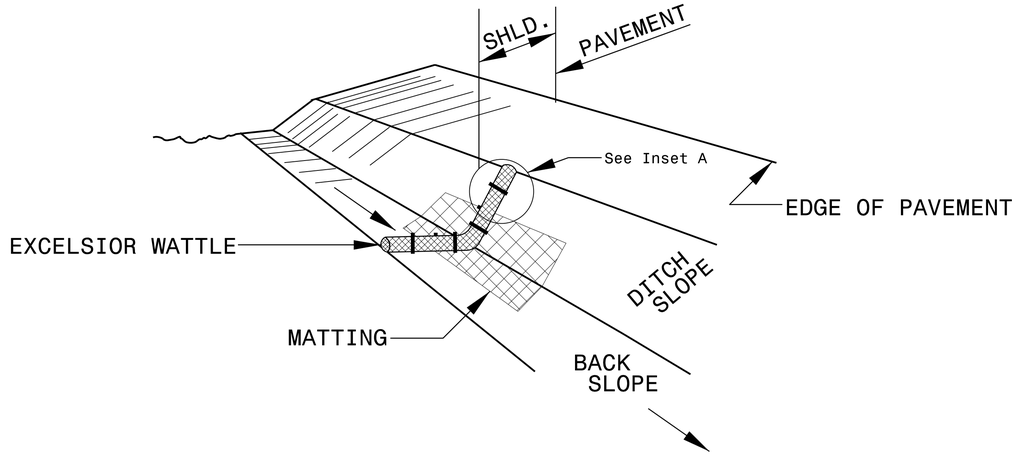
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

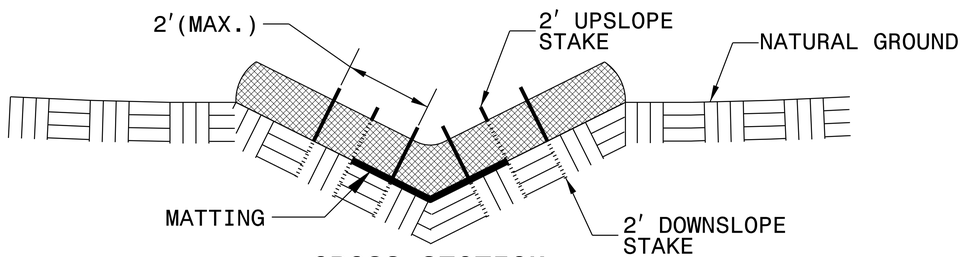
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

PROJECT REFERENCE NO.	SHEET NO.
HI-0006	EC-2

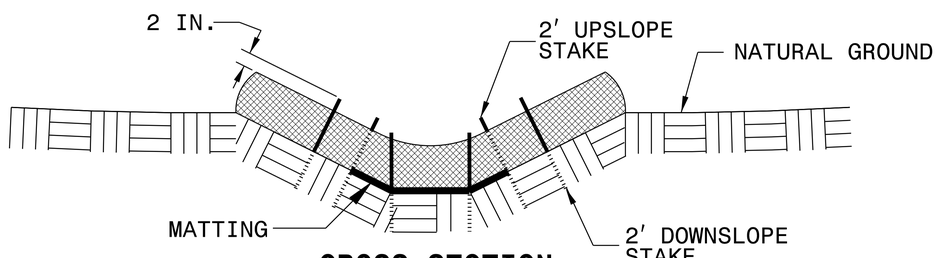
WATTLE DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

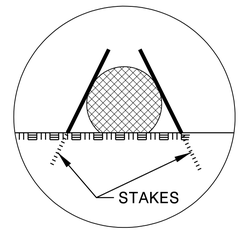
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

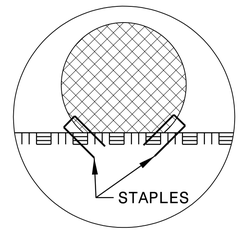
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

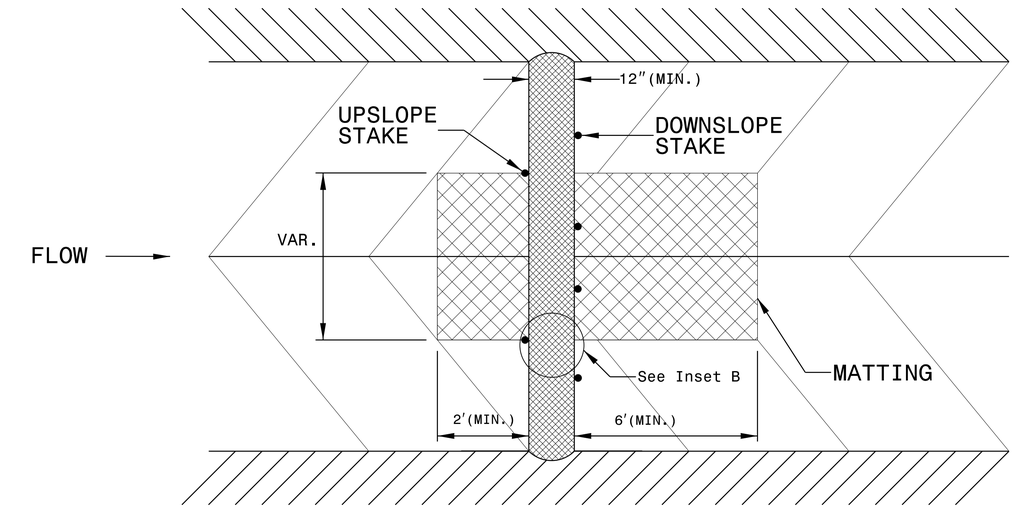
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



TOP VIEW

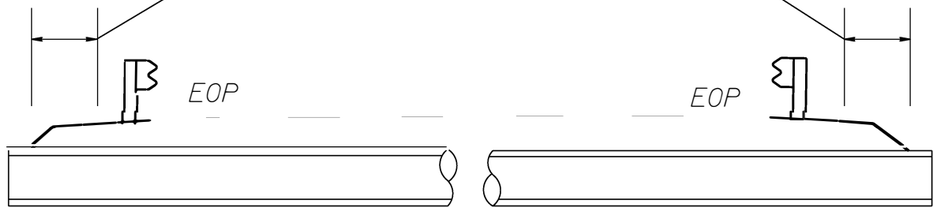
PROJECT REFERENCE NO.	SHEET NO.
HI-0006	EC-3

EROSION CONTROL DETAIL

NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

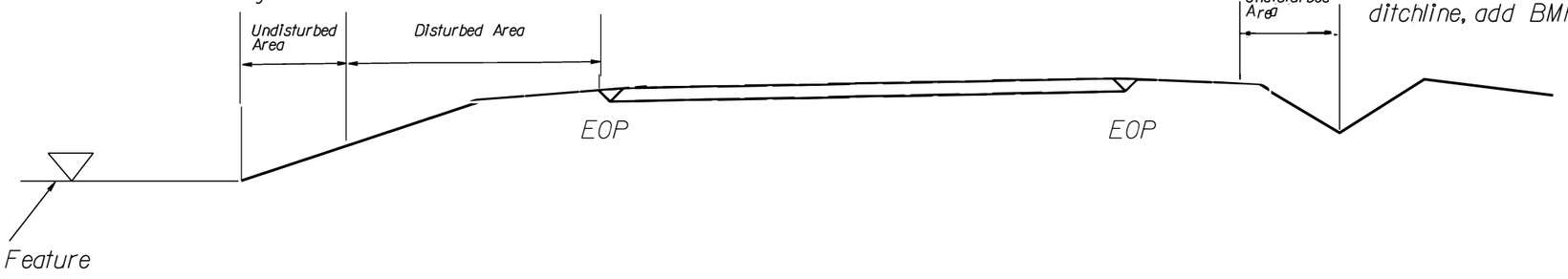
< 5' - 10' Undisturbed buffer add BMP



Pipe/Culvert

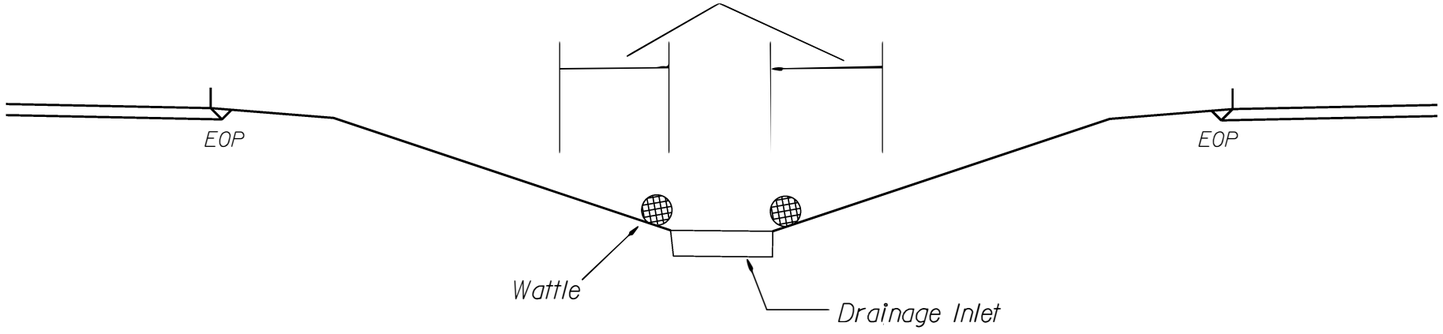
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP

< 5' - 10' Undisturbed buffer from ditchline, add BMP



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed

< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.
N.C.	HI-0006	ITS-1
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
49982.3.1	0264076	CONST.

TIP PROJECT: HI-0006

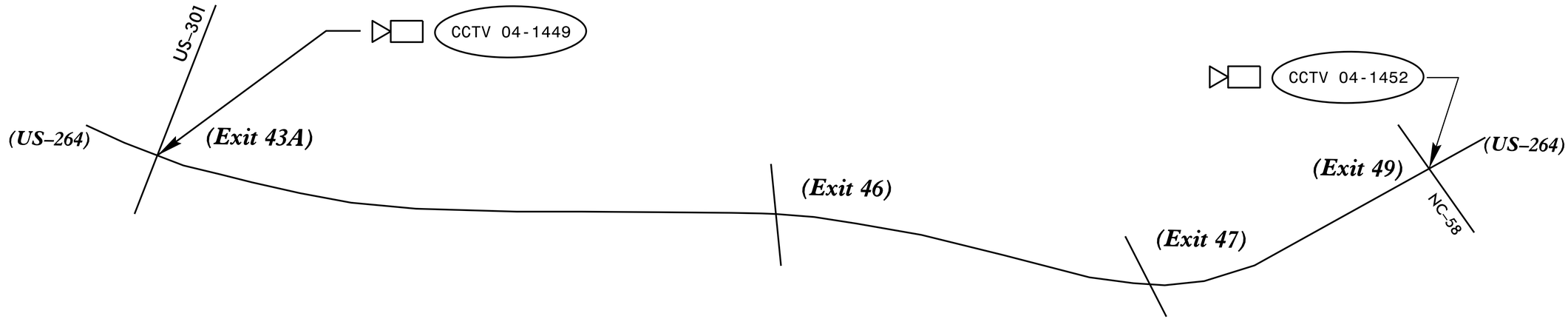
CONTRACT: C204743

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WILSON COUNTY

LOCATION: US–264 FROM I–795 TO TOISNOT SWAMP

TYPE OF WORK: UPDATE EXISTING CCTV INSTALLATIONS, BY REPLACING EXISTING CCTV ASSEMBLIES WITH NEW DIGITAL CCTV ASSEMBLIES.



2018 STANDARD SPECIFICATIONS

PROJECT LENGTH

PROJECT LENGTH = 0.0 MILES

LETTING DATE:

INDEX OF SHEETS

SHEET ITS 1 ..... TITLE SHEET
SHEET ITS 2–3 ..... ITS PLANS

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" ROADWAY DESIGN UNIT – N.C. DEPARTMENT OF TRANSPORTATION – RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1700.01	ELECTRICAL SERVICE OPTIONS
1700.02	ELECTRICAL SERVICE GROUNDING

2018 STANDARD SPECIFICATION

NCDOT CONTACT:
TRANSPORTATION MOBILITY AND SAFETY

M. M. MCDIARMID, P.E, CPM
STATE TRANSPORTATION SYSTEMS
MANAGEMENT & OPERATIONS ENGINEER

Prepared in the Offices of:

750 N. Greenfield Pkwy., Garner, NC 27529

ENGLISH

ALL DIMENSIONS IN THESE PLANS ARE IN FEET UNLESS OTHERWISE NOTED

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 050152 ENGINEER ANDREW J. SKUCE

DocuSigned by: Andrew J. Skuce D2928BBC885C464...

06/22/2022

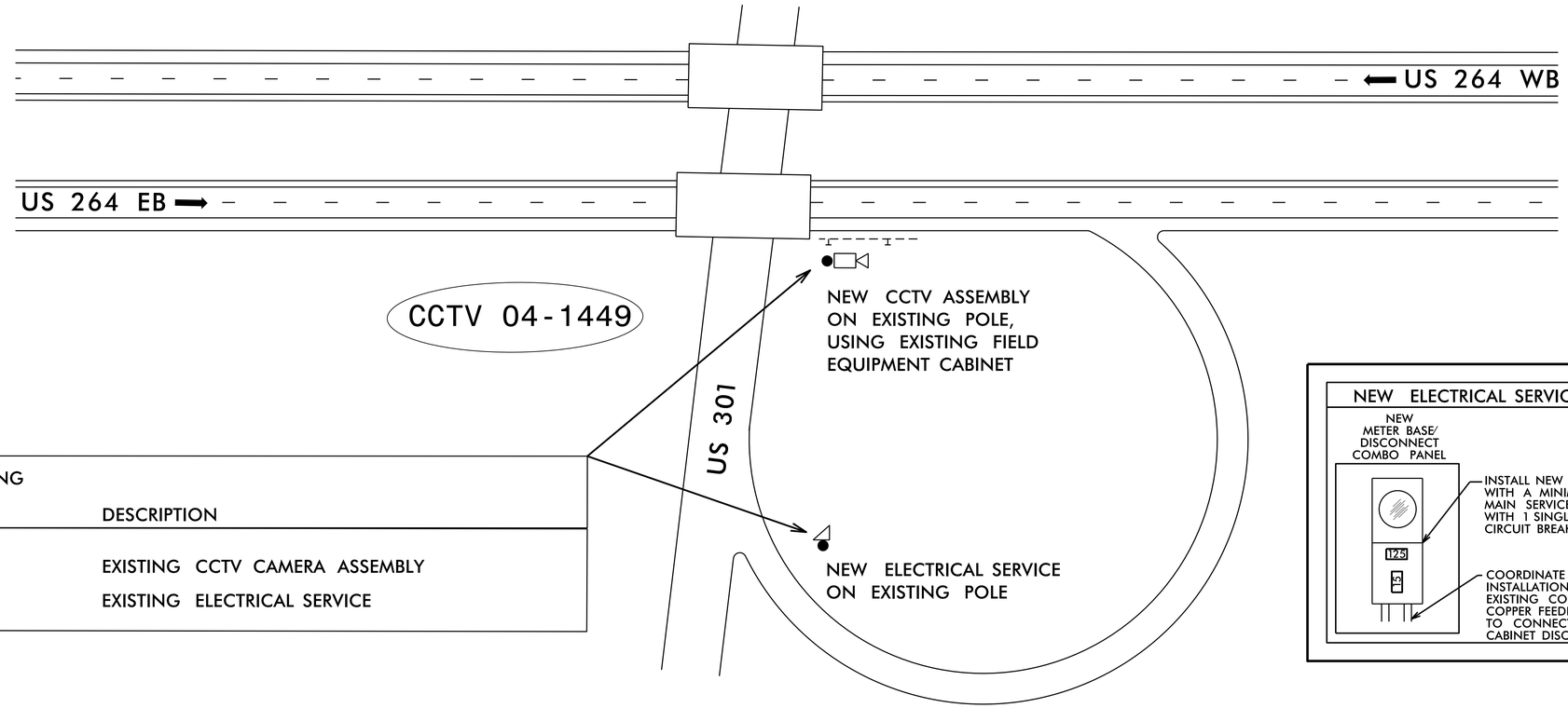
SIGNATURE *DATE*

PROJECT REFERENCE NO.	SHEET NO.
HI-0006	ITS-2

CCTV GPS COORDINATES

35° 40.733 N 77° 57.141 W

INSTALL THE FOLLOWING	
QUANTITY	DESCRIPTION
1 EA	DIGITAL CCTV CAMERA ASSEMBLY
1 EA	METER BASE/DISCONNECT COMBINATION PANEL



REMOVE THE FOLLOWING	
QUANTITY	DESCRIPTION
1 EA	EXISTING CCTV CAMERA ASSEMBLY
1 EA	EXISTING ELECTRICAL SERVICE

NOTES:
1. MOUNT CAMERA 45 FEET ABOVE GRADE.
2. PRESERVE AND REINSTALL CELL MODEM.
3. PRESERVE EXISTING POLE GROUNDING.
4. RETAIN EXISTING FEEDER CONDUCTORS TO FIELD EQUIPMENT CABINET.

NOTE:
ELECTRICAL SERVICE DETAILS AND CONSTRUCTION METHODS DEPICT FIELD CONDITIONS AT THE TIME OF DESIGN. CONTRACTOR TO VERIFY ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION AND OBTAIN APPROVAL FROM ENGINEER PRIOR TO MAKING ANY CHANGES.

EXIT 43A

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

ITS DEVICE REPLACEMENT

DIVISION 04 WILSON CO. WILSON

PLAN DATE: JUNE 2022 REVIEWED BY: A.J. SKUCE, PE

PREPARED BY: B. CHRISTIAN REVIEWED BY:

SCALE 0 NTS

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 050152 ENGINEER ANDREW J. SKUCE

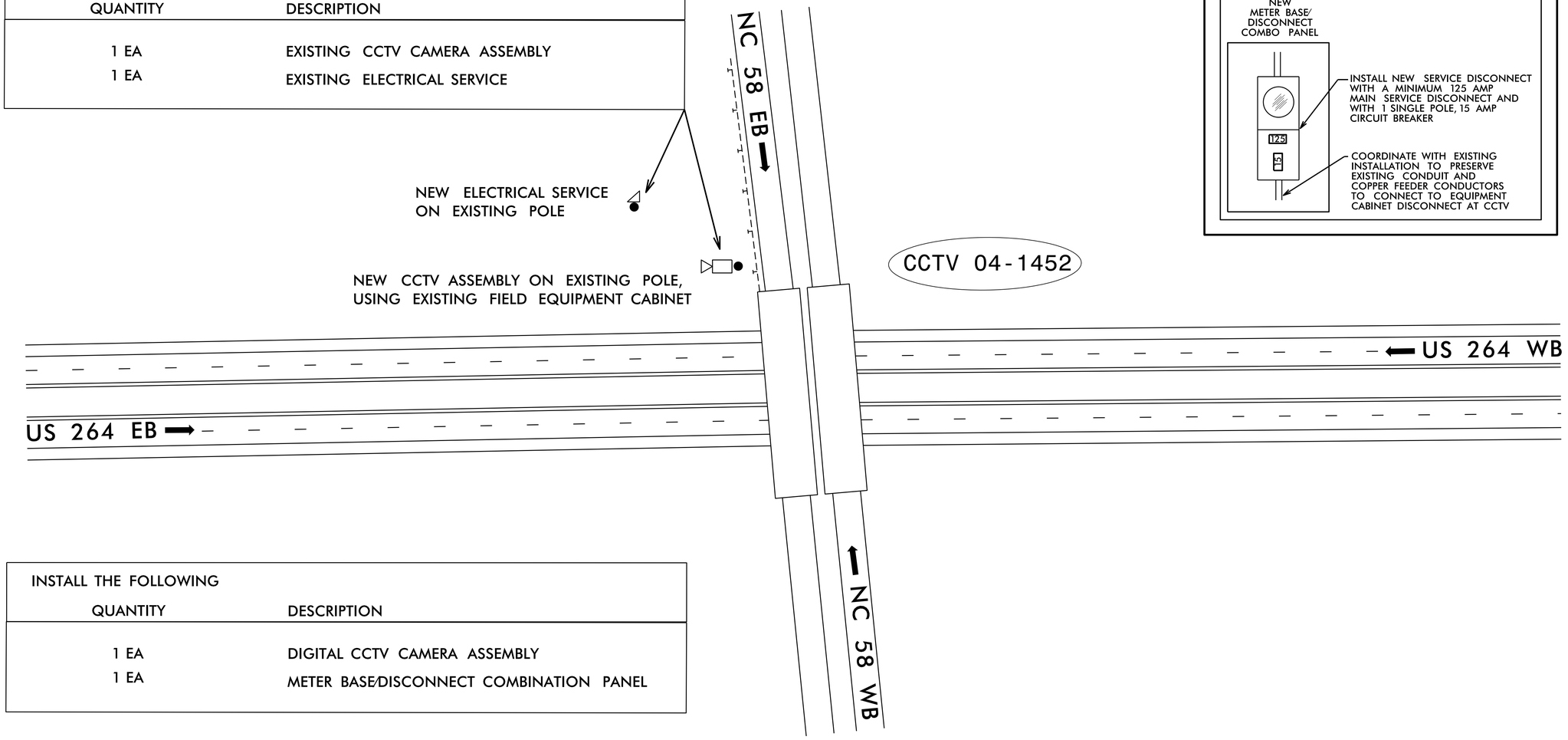
DocuSigned by: Andrew J. Skuce D262B88C8B5C464... 06/07/2022
DATE

PROJECT REFERENCE NO.	SHEET NO.
HI-0006	ITS-3

CCTV GPS COORDINATES

35° 40.491 N 77° 51.507 W

REMOVE THE FOLLOWING	
QUANTITY	DESCRIPTION
1 EA	EXISTING CCTV CAMERA ASSEMBLY
1 EA	EXISTING ELECTRICAL SERVICE



INSTALL THE FOLLOWING	
QUANTITY	DESCRIPTION
1 EA	DIGITAL CCTV CAMERA ASSEMBLY
1 EA	METER BASE/DISCONNECT COMBINATION PANEL

NOTES:
1. MOUNT CAMERA 45 FEET ABOVE GRADE.
2. PRESERVE AND REINSTALL CELL MODEM.
3. PRESERVE EXISTING POLE GROUNDING.
4. RETAIN EXISTING FEEDER CONDUCTORS TO FIELD EQUIPMENT CABINET.

NOTE:
ELECTRICAL SERVICE DETAILS AND CONSTRUCTION METHODS DEPICT FIELD CONDITIONS AT THE TIME OF DESIGN. CONTRACTOR TO VERIFY ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION AND OBTAIN APPROVAL FROM ENGINEER PRIOR TO MAKING ANY CHANGES.

EXIT 49

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

ITS DEVICE REPLACEMENT

DIVISION 04 WILSON CO. WILSON

PLAN DATE: JUNE 2022 REVIEWED BY: A.J. SKUCE, PE

PREPARED BY: B. CHRISTIAN REVIEWED BY:

REVISIONS	INIT.	DATE

SCALE 0 NTS

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 050152 ENGINEER ANDREW J. SKUCE

DocuSigned by: Andrew J. Skuce D262B8BC885C464...

06/07/2022
DATE