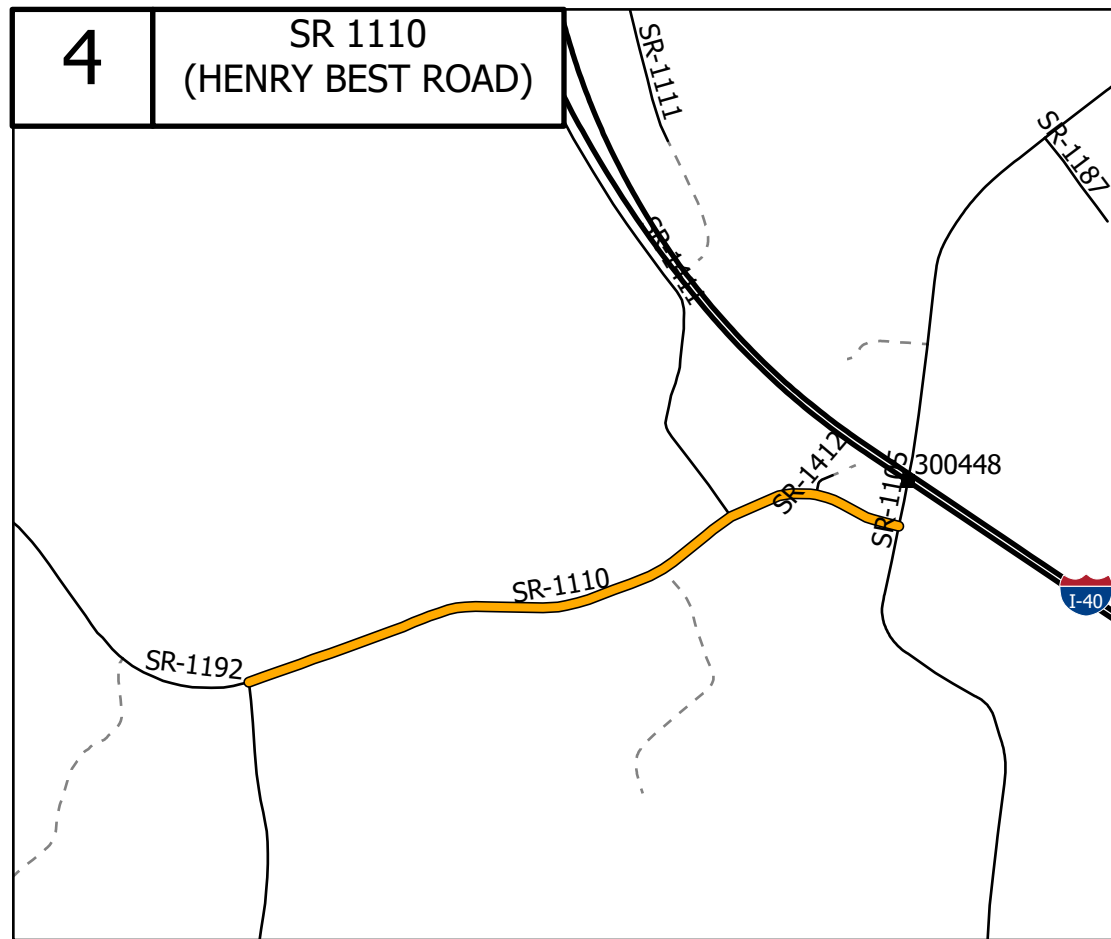
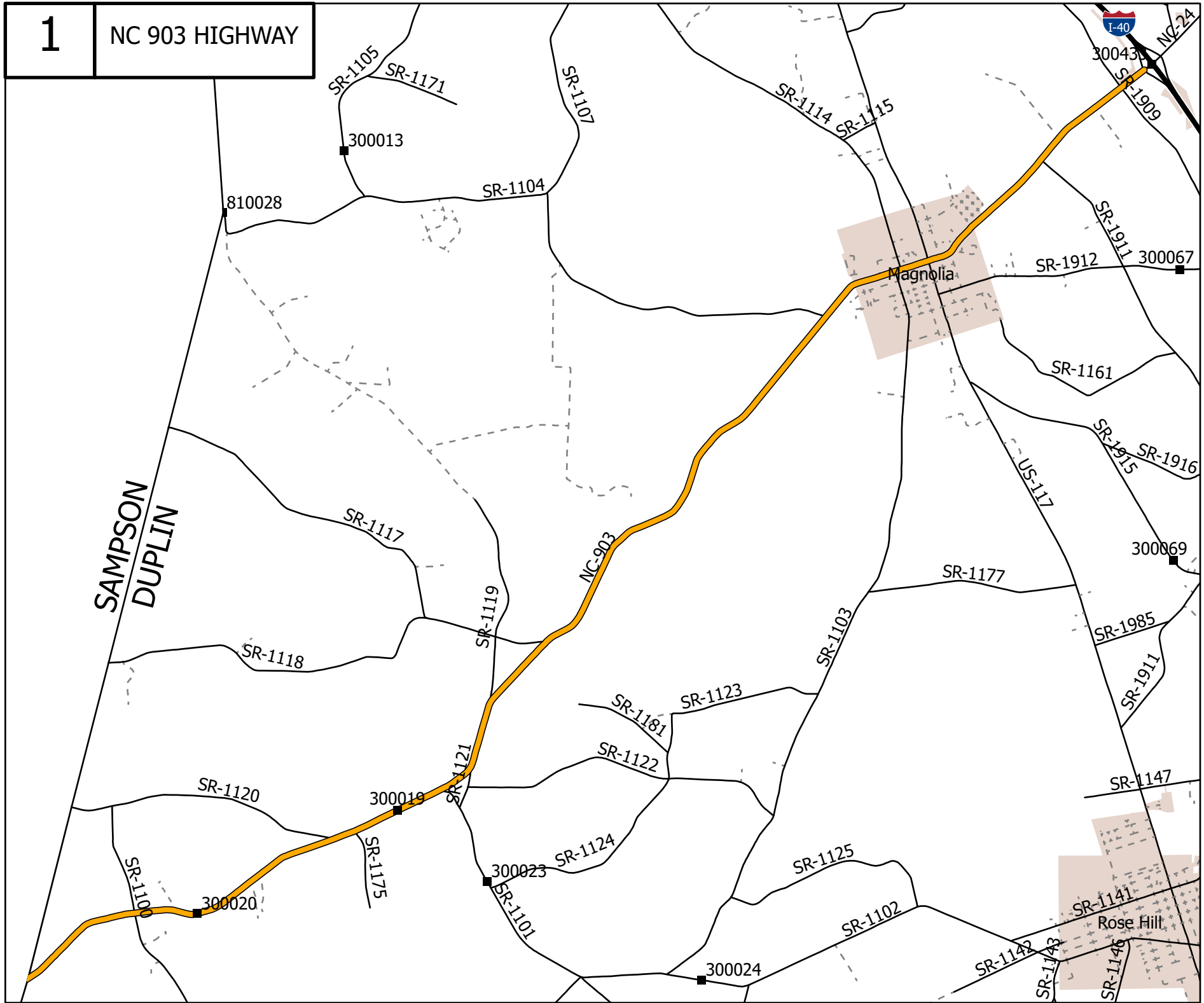






Duplin County 1,4

PROJECT REFERENCE NO.	SHEET NO.
2023CPT.03.10.10311, ETC	1



-  Resurfacing Routes
-  Preservation Routes
-  NonSystem
-  D3_bridges

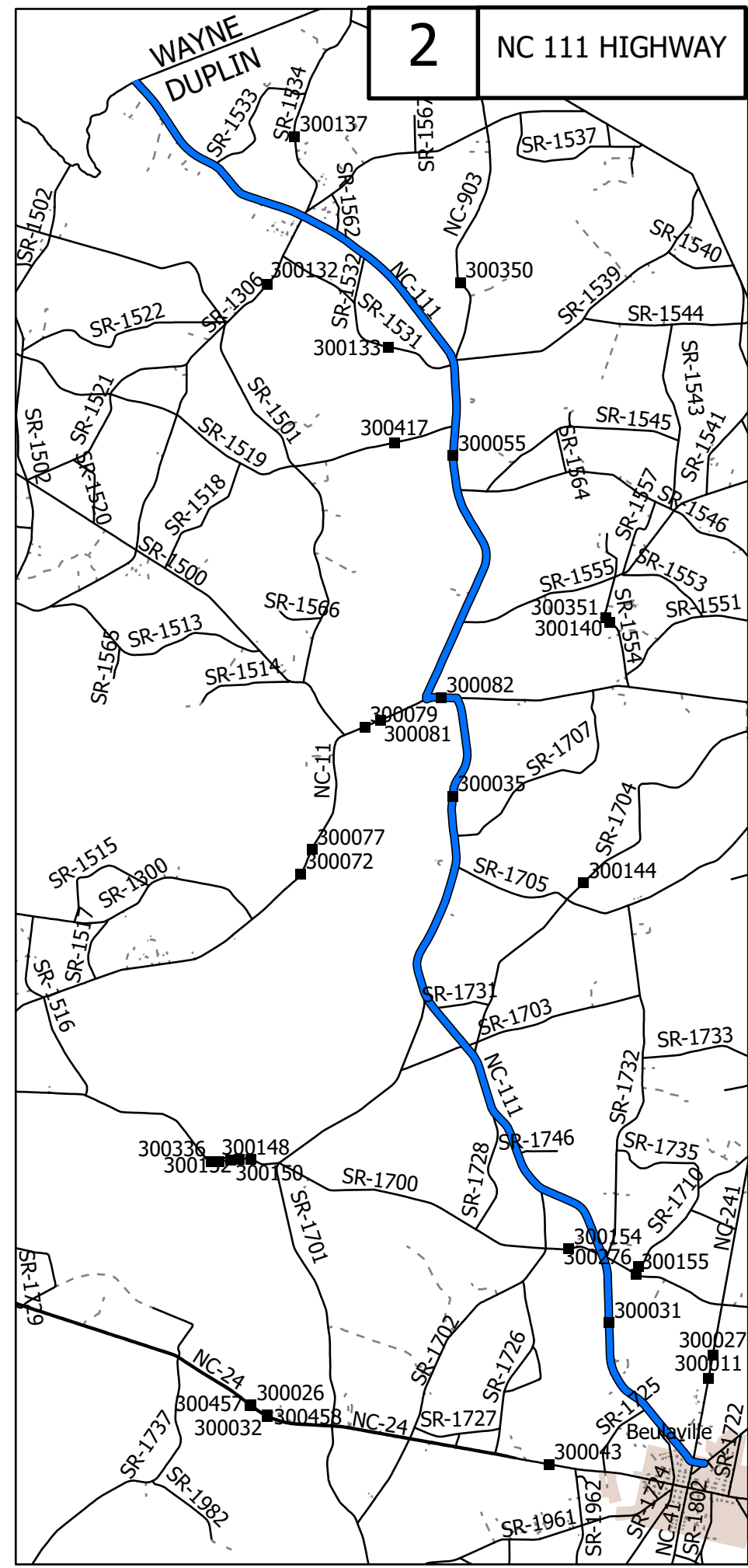
Duplin County 2



2
NC 111 HIGHWAY



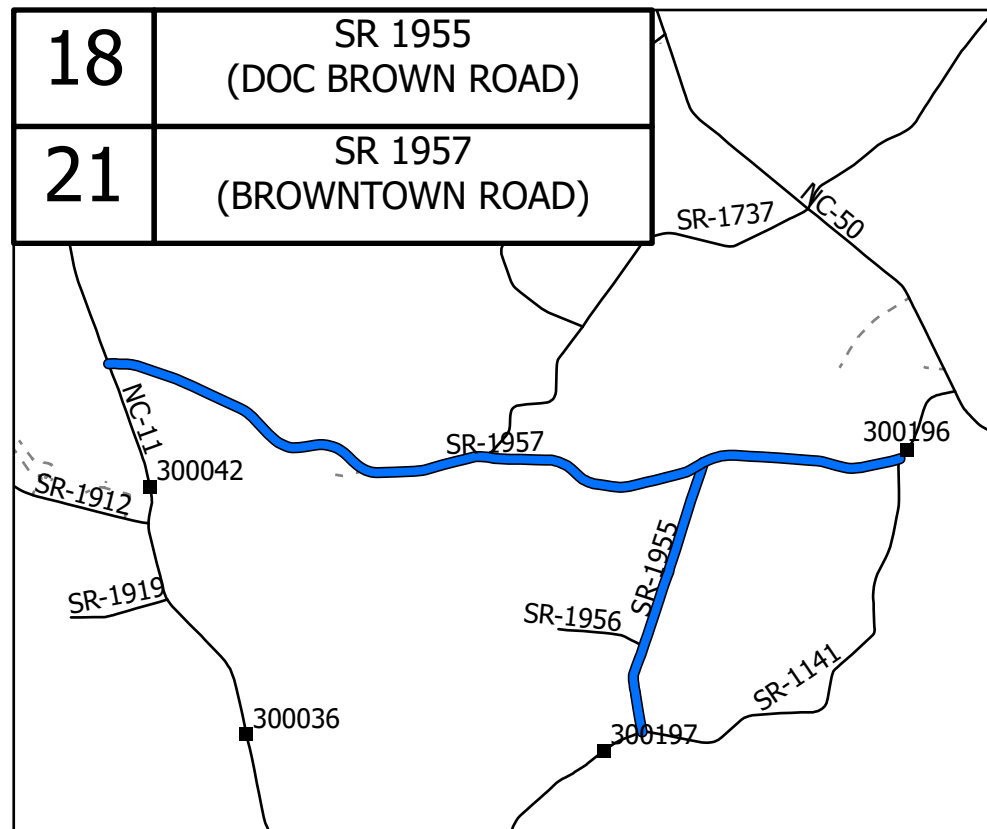
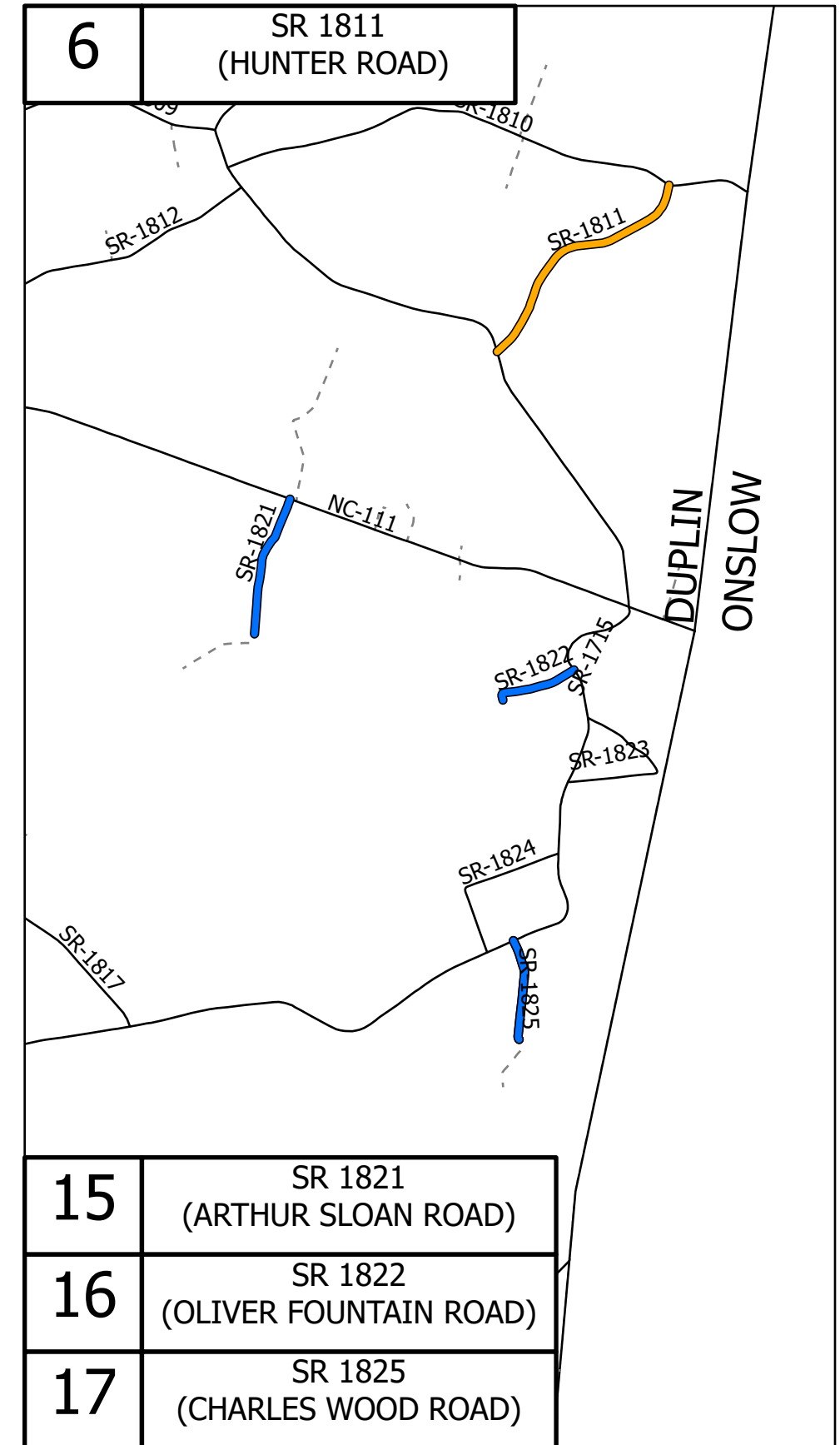
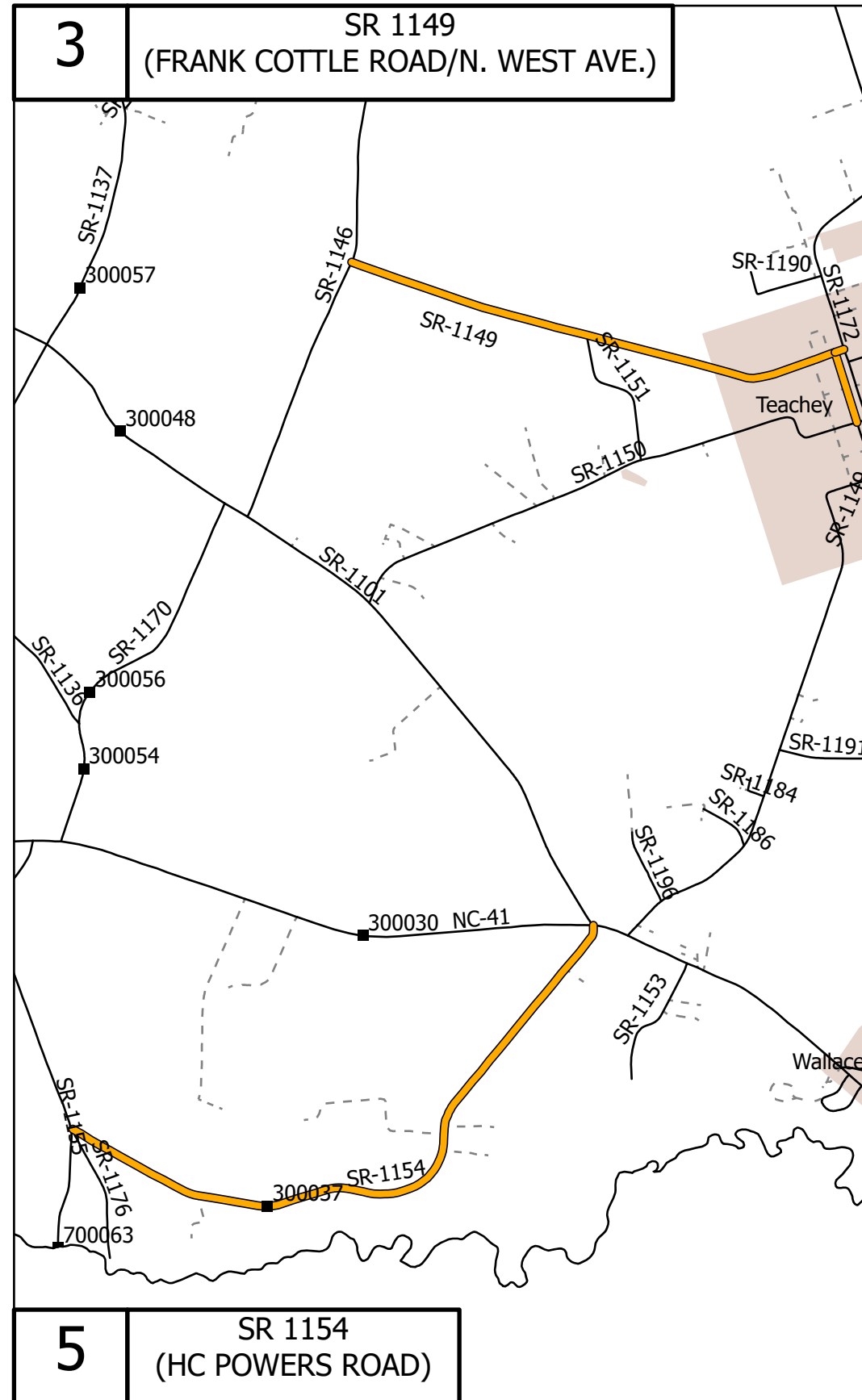
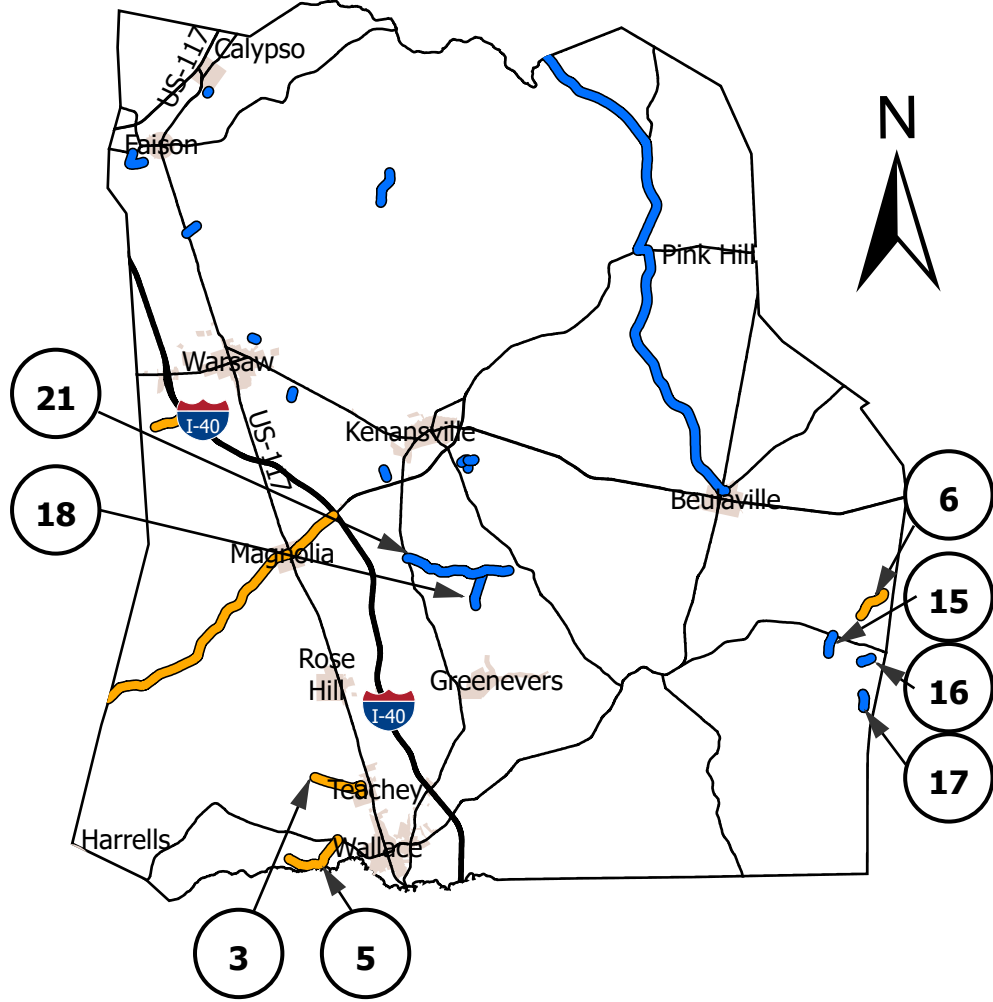
- Resurfacing Routes
- Preservation Routes
- - - NonSystem
- D3_bridges



PROJECT REFERENCE NO.	SHEET NO.
2023CPT.03.10.10311, ETC	2

Duplin County 3, 5-6, 15-18, 21

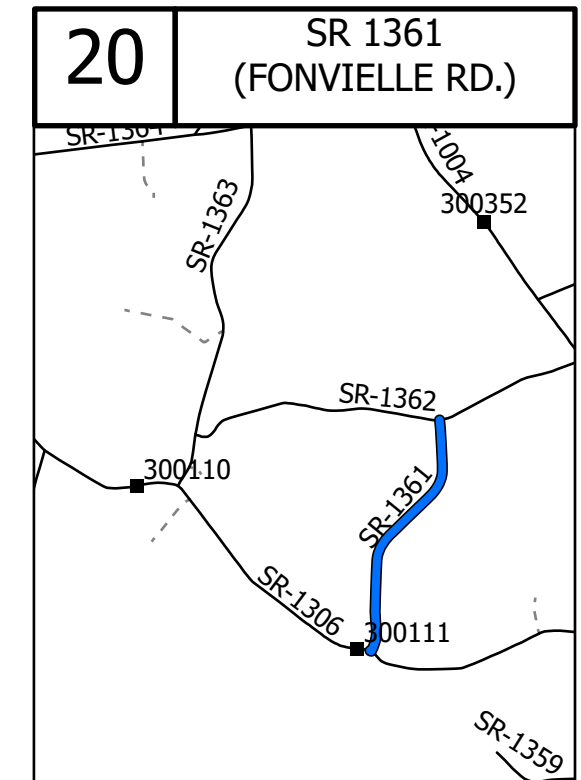
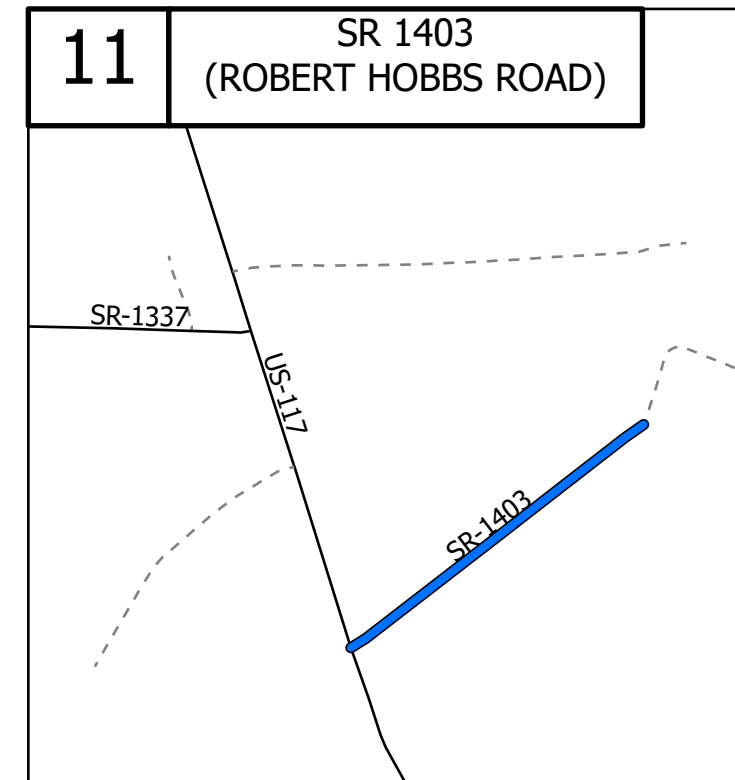
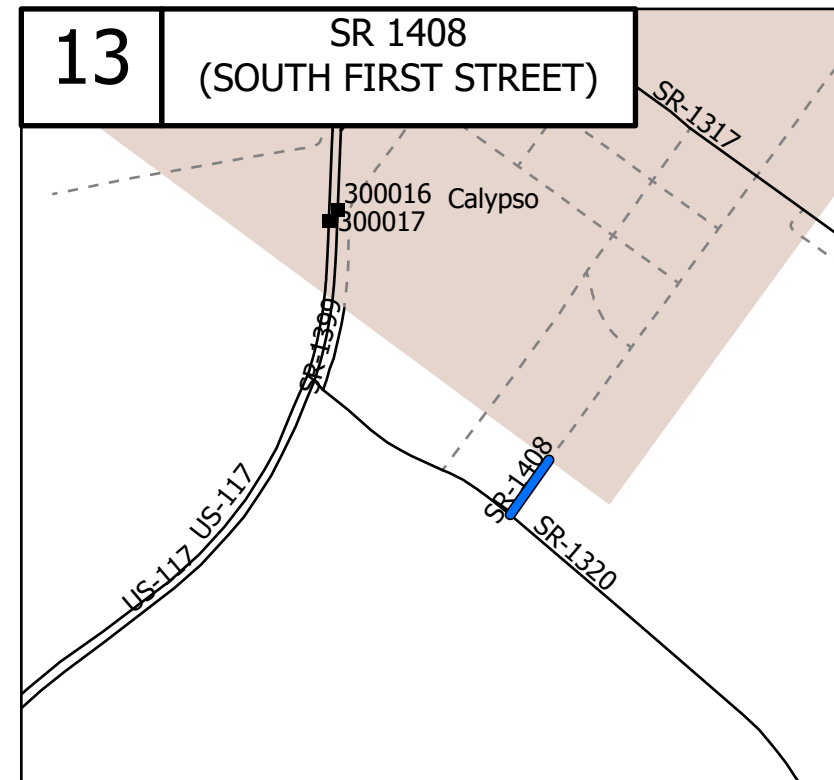
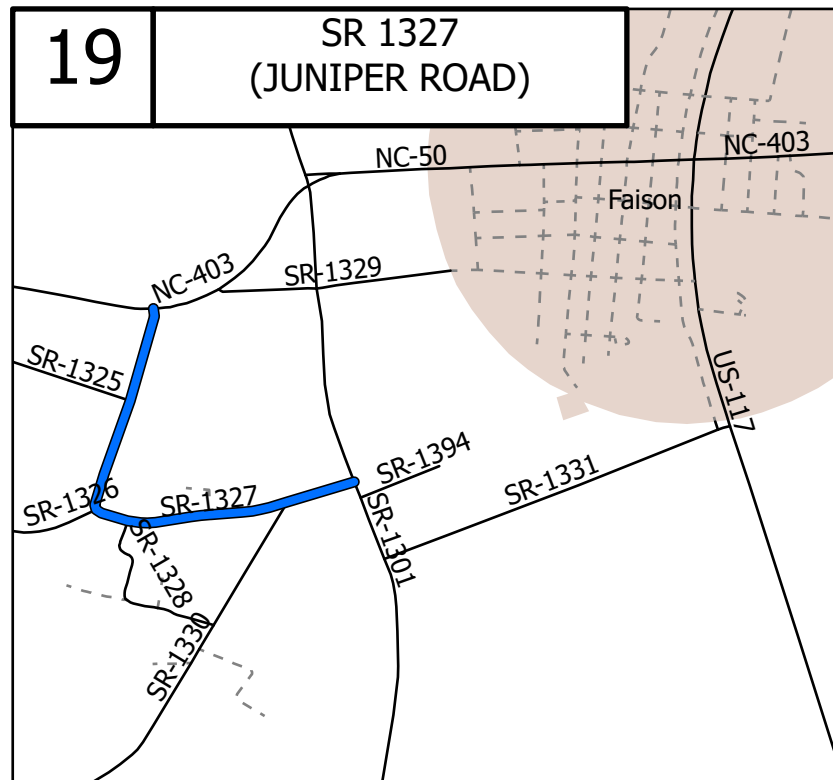
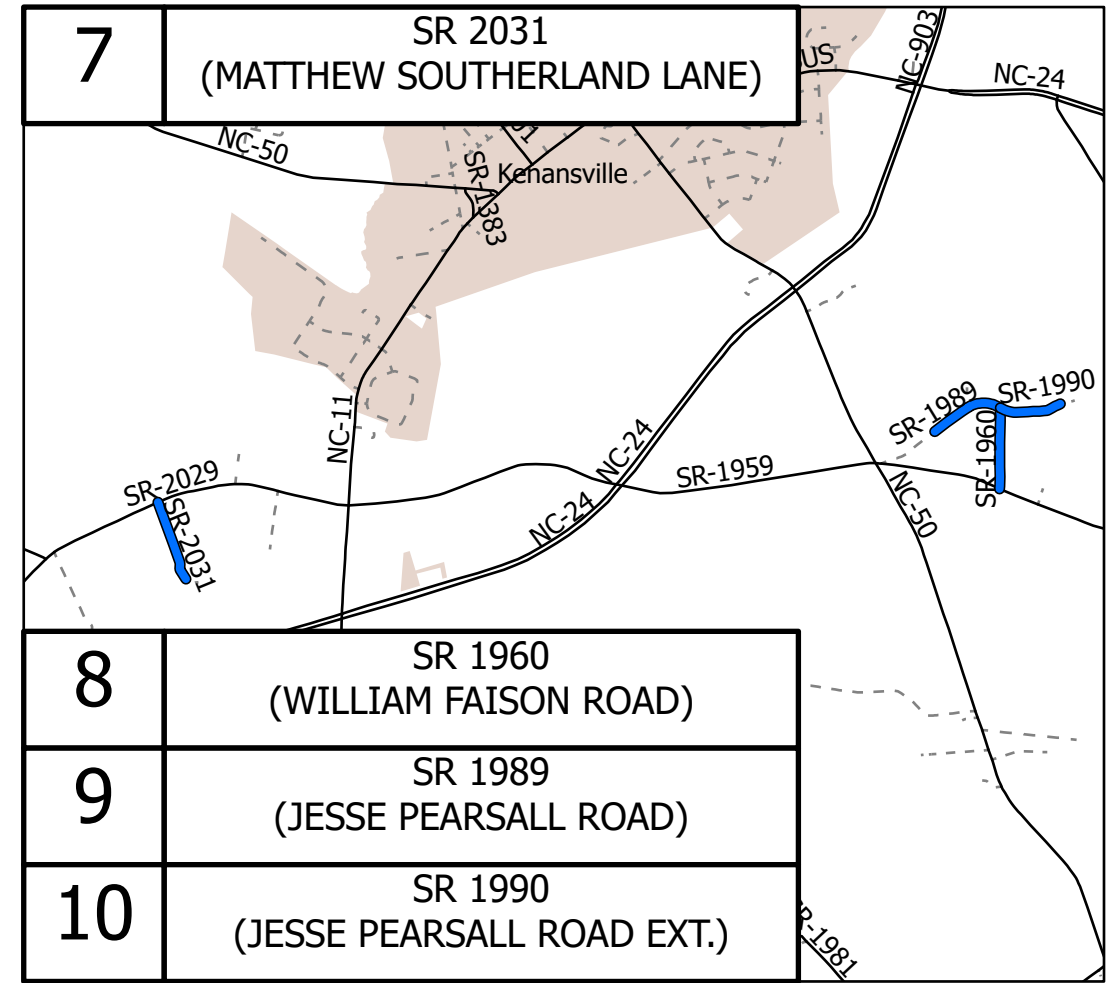
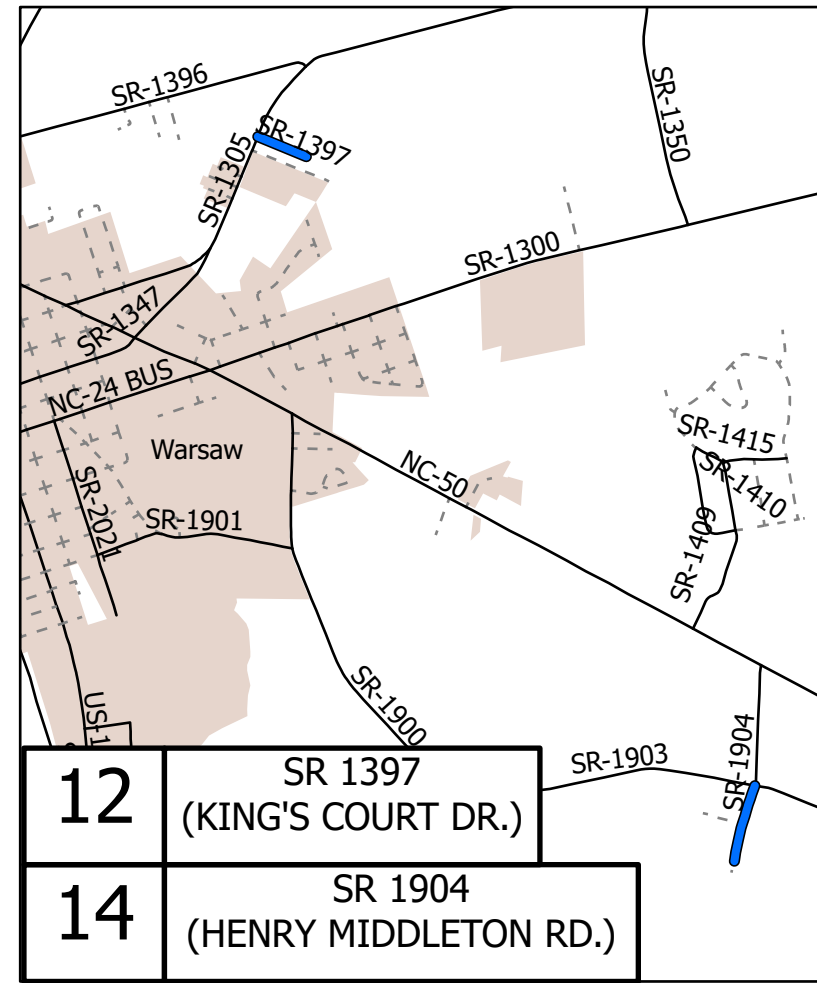
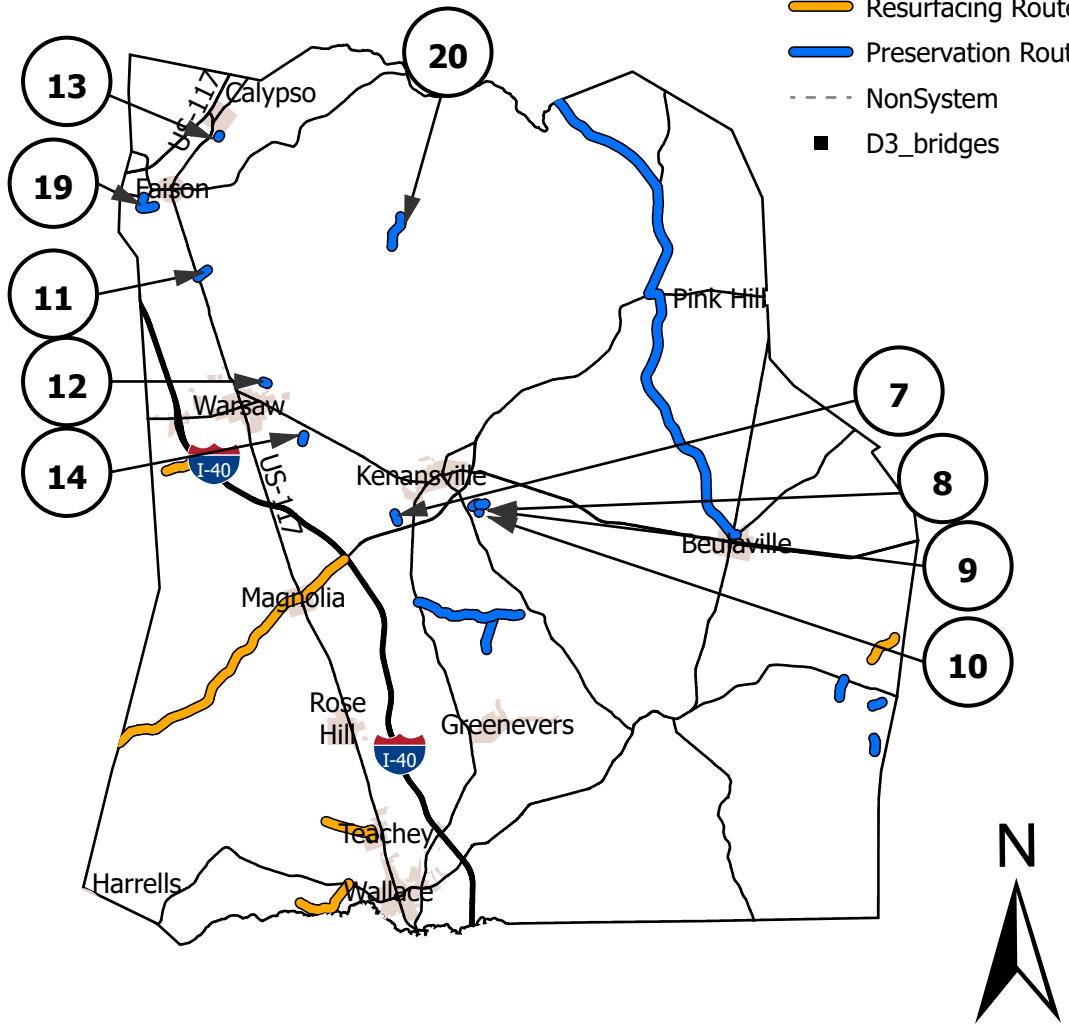
PROJECT REFERENCE NO.	SHEET NO.
2023CPT03.10.10311, ETC	3

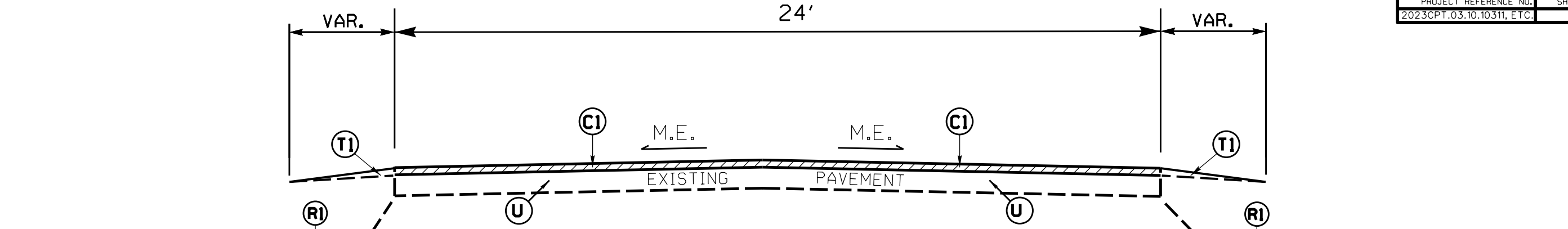


- Resurfacing Routes
- Preservation Routes
- D3_bridges
- - - NonSystem

Duplin County 7-14, 19-20

- Resurfacing Routes
- Preservation Routes
- - - NonSystem
- D3_bridges

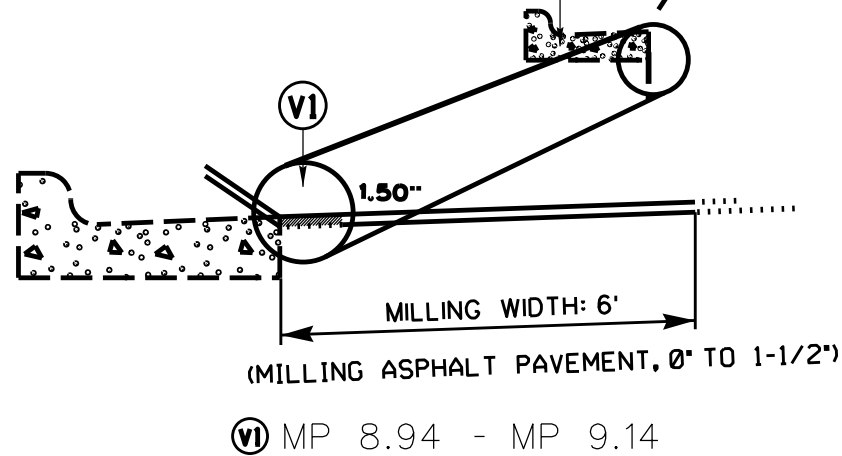




TYPICAL SECTION NO. 1

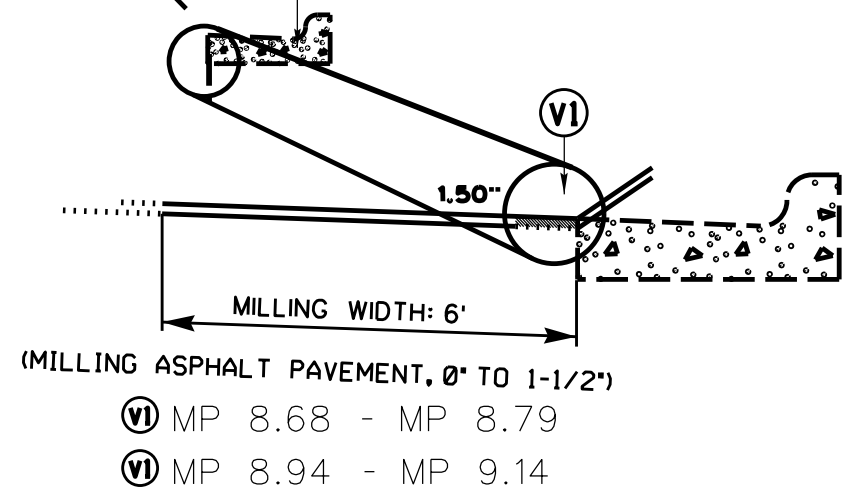
MAP NO. 1
NC 903 HWY.
MP 0.00 - MP 11.35

*ALSO SEE TYPICAL NO. 3

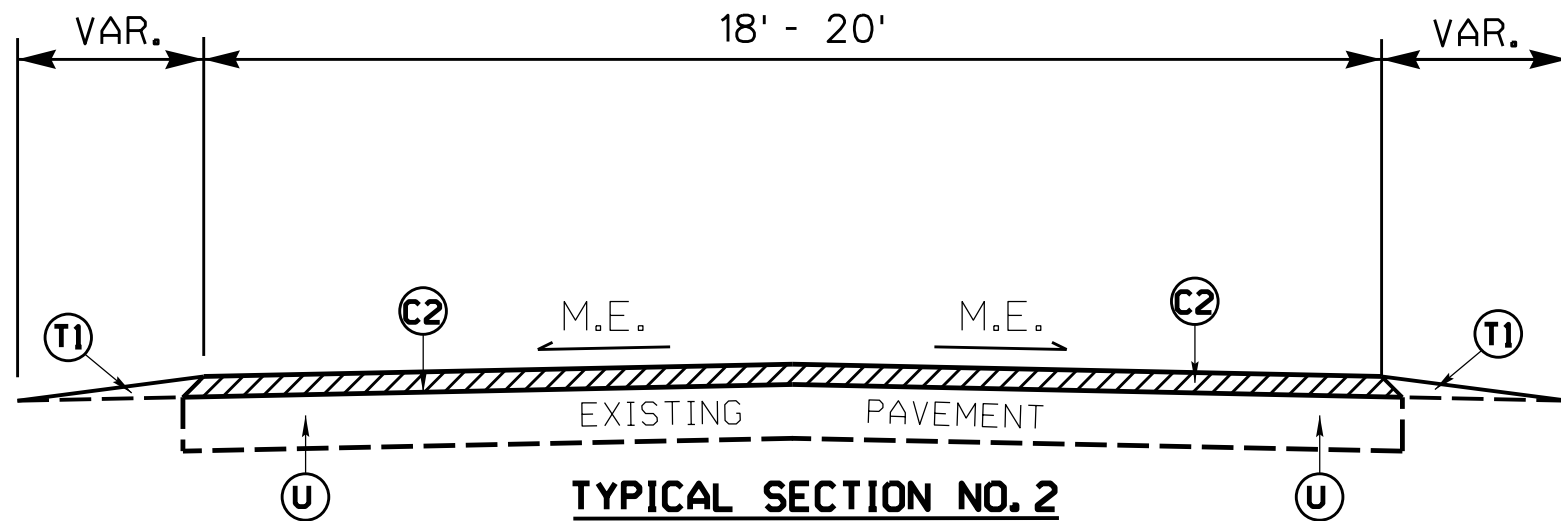


VI MP 8.94 - MP 9.14

E1 NOTE: STATE FORCES WILL MARK SPOT WIDENING LOCATIONS PRIOR TO RESURFACING FOR MAPS NO. 1



VI MP 8.68 - MP 8.79
VI MP 8.94 - MP 9.14



TYPICAL SECTION NO. 2

MAP NO. 3
SR 1149 (FRANK COTTLE RD./ N. WEST AVE.)
MP 0.00 - MP 2.00

MAP NO. 4
SR 1112 (HENRY BEST RD.)
MP 0.00 - MP 1.36

MAP NO. 5
SR 1154 (HC POWERS RD.)
MP 0.00 - MP 2.39

MAP NO. 6
SR 1811 (HUNTER RD.)
MP 0.00 - MP 1.26

NOTES: MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

SHOULDER WORK ON MAP NO. 1, 3- 6 AS NEEDED, TO BE DETERMINED BY ENGINEER.

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

V3 FRIS MILL 1-1/2"
MP 0.39 - MP 1.39

NO ASPHALT WORK ON DUPLIN BRIDGE NO. 037

MP 0.73 - MP 0.76

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ.YD.
C2	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C3	PROP. APPROX. 1/4" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ.YD.
C4	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 110 LBS. PER SQ.YD.
E1	PROP. APPROX. 5" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ.YD.
R1	EXISTING 2'-6" CURB & GUTTER
R2	EXISTING CONCRETE BRIDGE RAIL
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	VARIABLE MILLING, 0' - 1/2' DEPTH
V2	MILLING ASPHALT PAVEMENT, 1" DEPTH
V3	MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH

REVISIONS

8/17/99

SYSTEMS DESIGN

C3 NOTE: STATE FORCES WILL MARK SHORT OVERLAY MAPS NO. 2, 19 - 21.

MAP NO. 2
NC 111 HWY.
MP 15.20 - MP 34.97

MAP NO. 19
SR 1327 (JUNIPER RD.)
MP 0.00 - MP 0.94

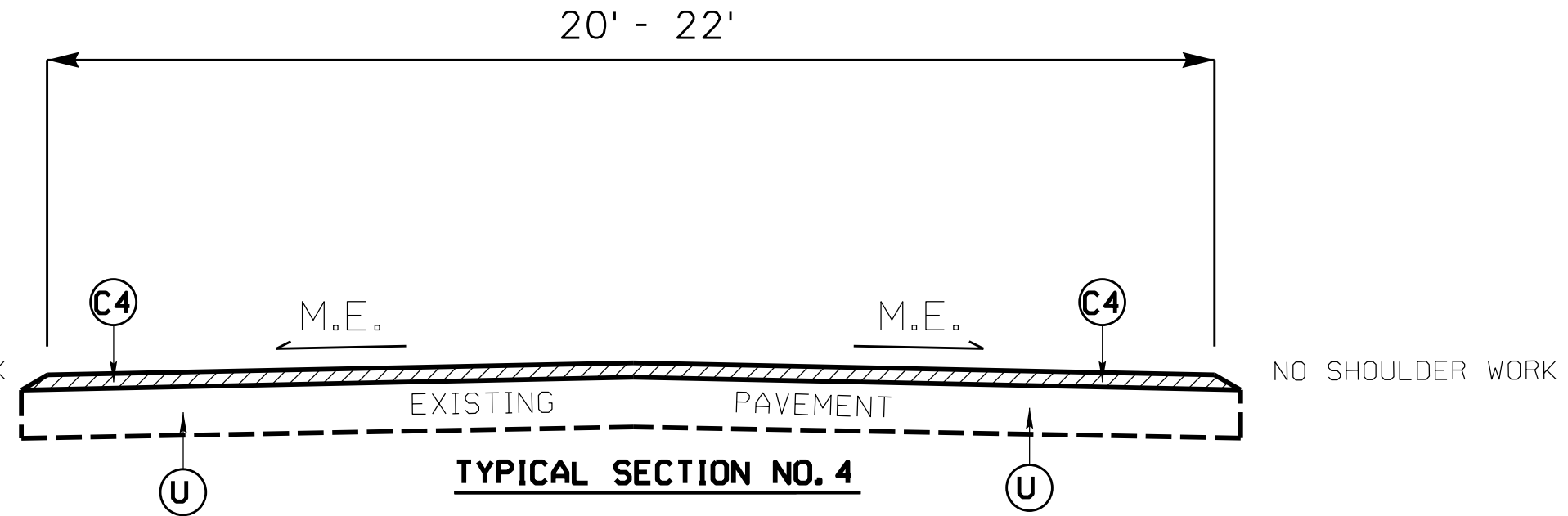
MAP NO. 20
SR 1361 (FONVIELLE RD.)
MP 0.00 - MP 1.22

MAP NO. 21
SR 1957 (BROWNTOWN RD.)
MP 0.00 - MP 3.99

PAVEMENT SCHEDULE	
C3	1¼" S9.5B
C4	1" S4.75A
U	EXISTING PAVEMENT

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

REVISIONS



MAP NO. 7
SR 2031 (MATTHEW SOUTHERN LN.)
MP 0.00 - MP 0.30

MAP NO. 8
SR 1960 (WILLIAM FAISON RD.)
MP 0.00 - MP 0.30

MAP NO. 9
SR 1989 (JESSE PEARSALL RD.)
MP 0.00 - MP 0.28

MAP NO. 10
SR 1990 (JESSE PEARSALL RD. EXT.)
MP 0.00 - MP 0.23

MAP NO. 11
SR 1403 (ROBERT HOBBS RD.)
MP 0.00 - MP 0.46

MAP NO. 12
SR 1397 (KING'S COURT DR.)
MP 0.00 - MP 0.16

MAP NO. 13
SR 1408 (SOUTH FIRST ST.)
MP 0.00 - MP 0.08

MAP NO. 14
SR 1904 (HENRY MIDDLETON RD.)
MP 0.37 - MP 0.61

MAP NO. 15
SR 1821 (ARTHUR SLOAN RD.)
MP 0.00 - MP 0.70

MAP NO. 16
SR 1822 (OLIVER FOUNTAIN RD.)
MP 0.00 - MP 0.41

MAP NO. 17
SR 1825 (CHARLES WOOD RD.)
MP 0.00 - MP 0.51

MAP NO. 18
SR 1955 (DOC. BROWN RD.)
MP 0.00 - MP 1.34

SYSTEMS DESIGN

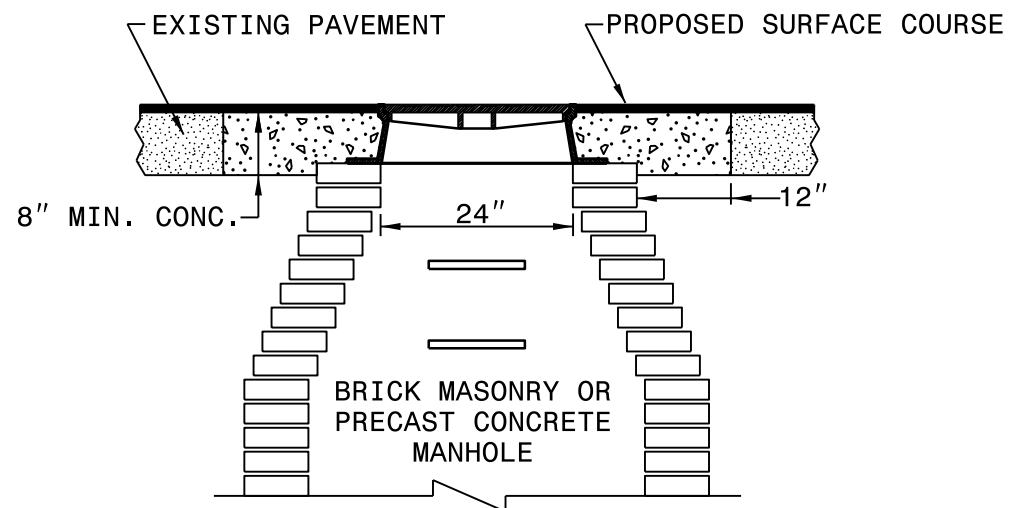
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

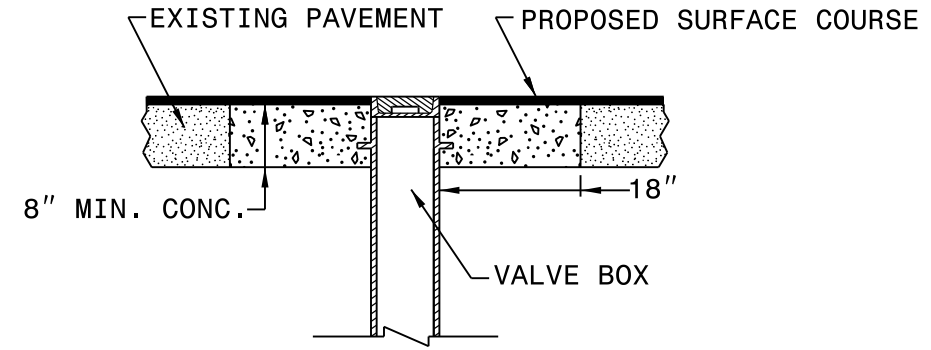
SHEET 1 OF 1
840D55

GENERAL NOTES:

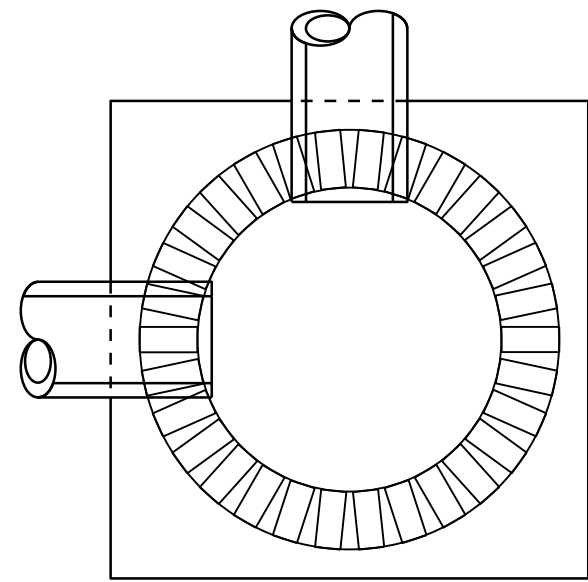
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL SIDES.
4. FILL AREA BELOW 8" DEPTH WITH 78M OR NO. 57 CLEAN STONE.
5. MIX MORTAR TO NCDOT SPECIFICATIONS.
6. MORTAR JOINTS $\frac{1}{2}$ " +/- $\frac{1}{8}$ "
7. CONSTRUCT AN ASPHALT RAMP IN ACCORDANCE WITH SECTION 858-3 OF THE 2018 STANDARD SPECIFICATIONS.



MANHOLE CONCRETE ENCASEMENT



VALVE BOX CONCRETE ENCASEMENT



ELEVATION VIEW

PLACE BRICK ACCORDING TO ELEVATION VIEW

SHEET 1 OF 1
840D55

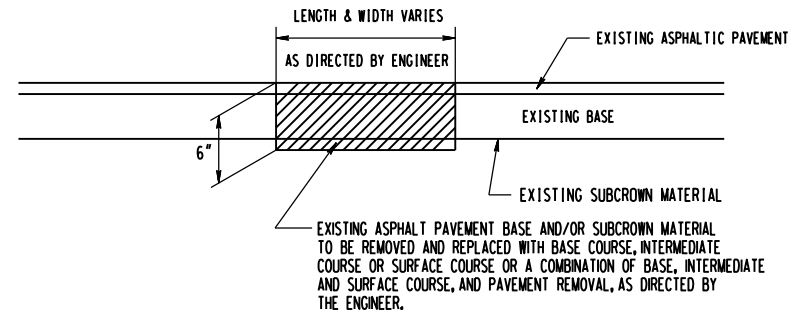
ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

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

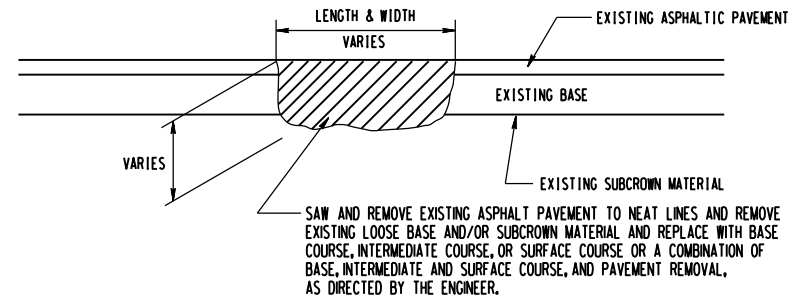
REVISIONS

28-NOV-2017 10:49
S:\Division Resurfacing\z Design Standards & CADD\CADD_Specs.Dwg\Typicals_Curb, Etc.dwg
\$\$\$\$\$

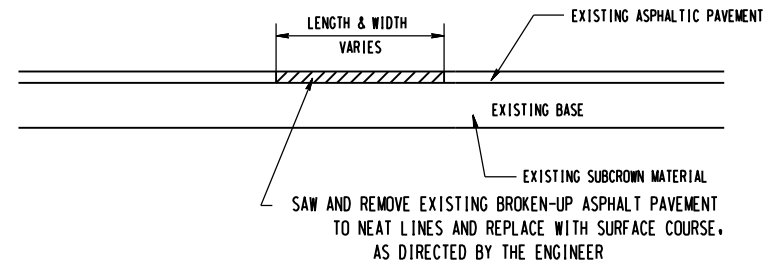
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



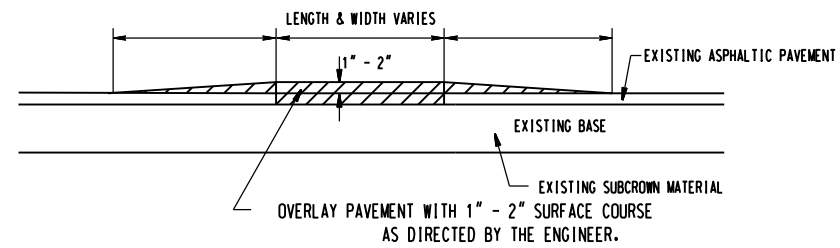
DETAIL NO. 1



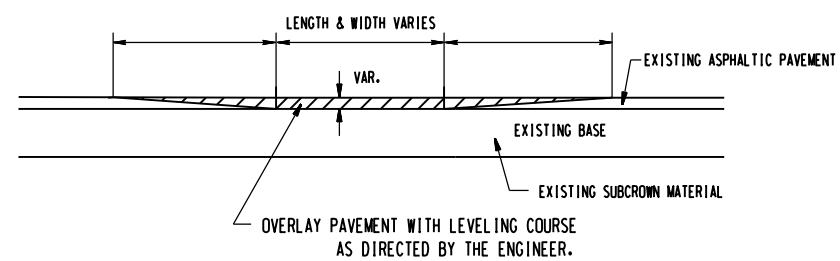
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4

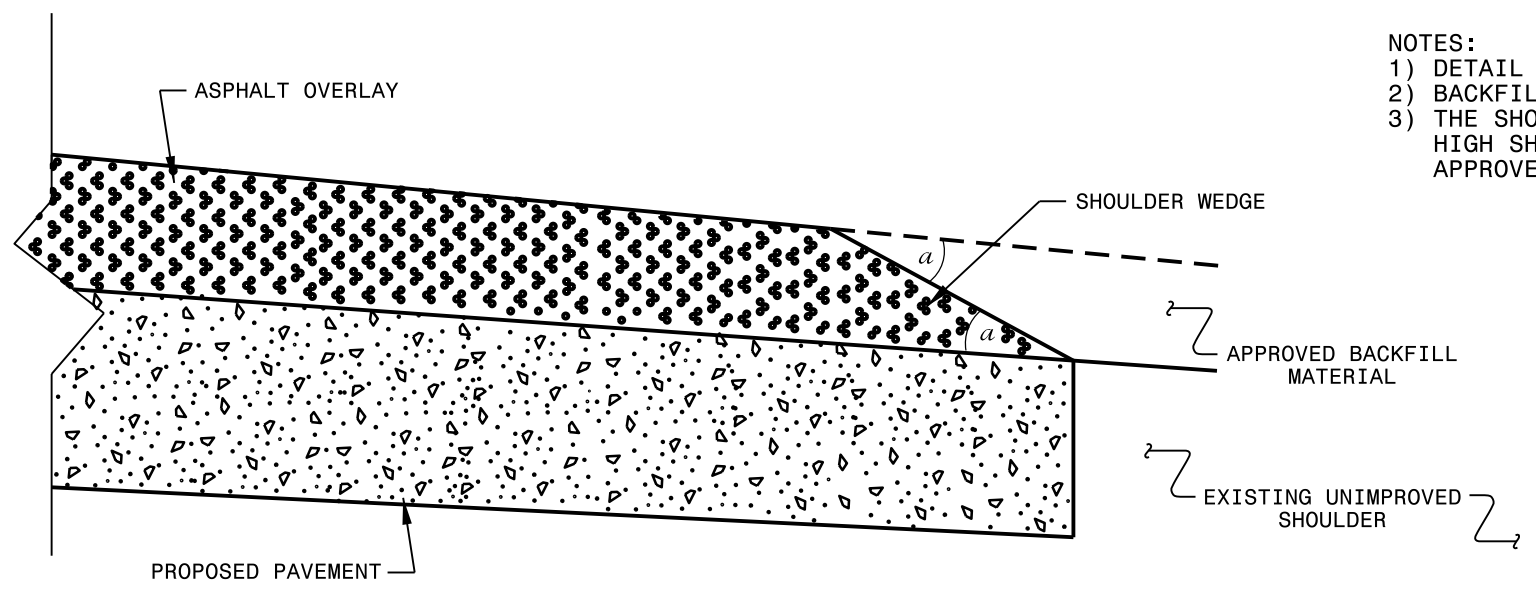


DETAIL NO. 5

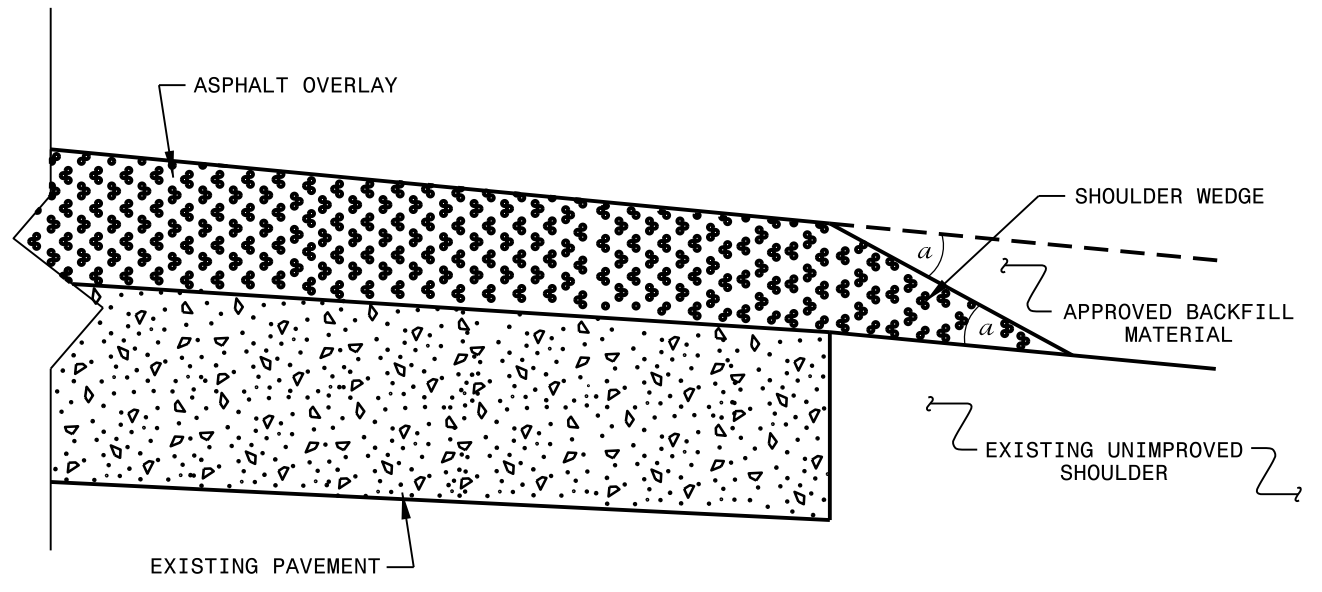
REVISIONS

20-APP-2015-1156
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 \$\$\$SUSFRNME\$\$\$

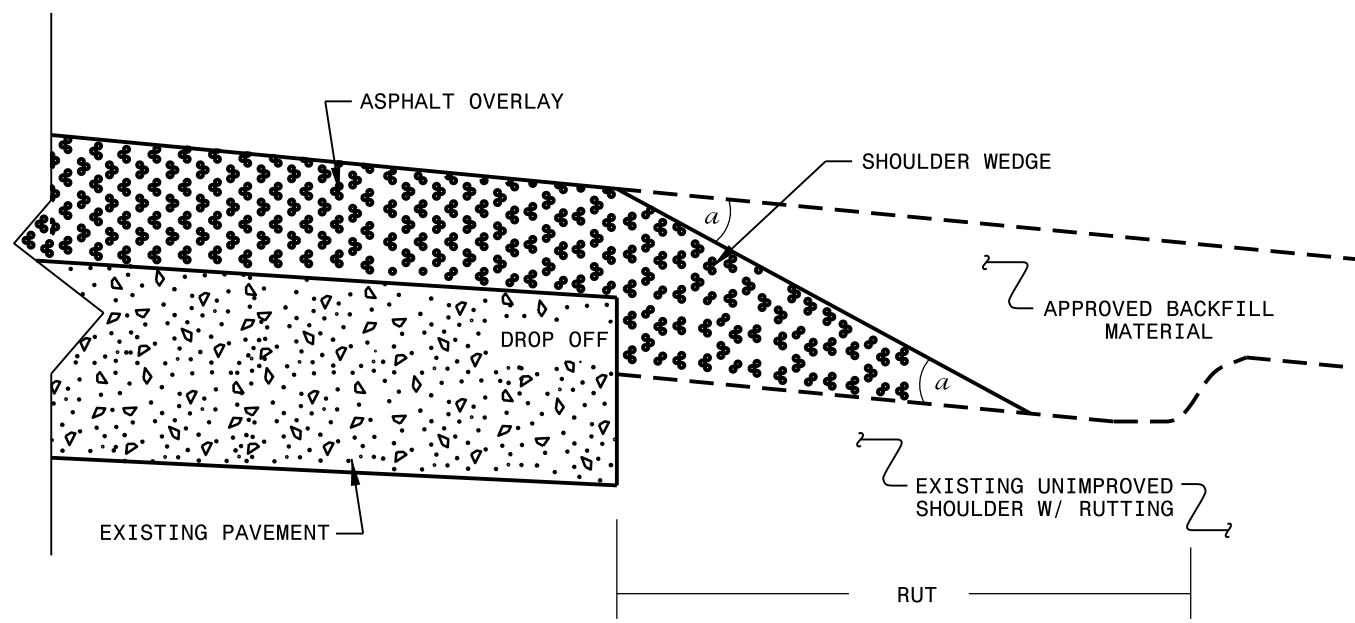
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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: 2/2/16		
CHECKED BY:	DATE:		
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn			

27 JUN 2018 13:22
 s:\usr\details\stand\shoulderwedgedetail.dgn
 3\Sampson August 2018 Revised Shoulder Wedge Detail.dgn
 2023CPT.03.10.10311, Etc.

PROJECT NO.	SHEET NO.
2023CPT.03.10.10311, Etc.	12

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0264000000-E	1220000000-E	1297000000-E	1297000000-E	1308000000-E	1330000000-E	1491000000-E	1519000000-E		1523000000-E	1526000000-E	1575000000-E	
												SHOULDER RECONSTRUCTION (STATE FURNISHED BORROW)	INCIDENTAL STONE BASE	1" MILLING	1.5" MILLING	0" - 1.5" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B SHORT OVERLAY	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	SURFACE COURSE, S4.75A	ASPHALT BINDER FOR PLANT MIX	
											MI	FT	SMI	TON	SY	SY	SY	SY	TON	TON	TON	TON	TON	TON
2023CPT.03.10.20312	Duplin	15	SR 1821 (ARTHUR SLOAN ROAD)	FROM NC 111 HWY. TO END OF MAINTENANCE [MP 0.00 - MP 0.70]	4	2	2WU	NO	NO	0.7	20											489	34	
TOTAL FOR MAP NO. 15											0.7												489	34
2023CPT.03.10.20312	Duplin	16	SR 1822 OLIVER FOUNTAIN ROAD)	FROM SR 1715 (FOUNTAIN TOWN RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.41]	4	2	2WU	NO	NO	0.41	20											287	20	
TOTAL FOR MAP NO. 16											0.41												287	20
2023CPT.03.10.20312	Duplin	17	SR 1825 (CHARLES WOOD ROAD)	FROM SR 1715 (FOUNTAIN TOWN RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.51]	4	2	2WU	NO	NO	0.51	20											356	26	
TOTAL FOR MAP NO. 17											0.51												356	26
2023CPT.03.10.20312	Duplin	18	SR 1955 (DOC BROWN ROAD)	FROM SR 1957 (BROWNTOWN RD.) TO SR 1141 (STOCKING HEAD RD.) [MP 0.00 - MP 1.34]	4	2	2WU	NO	NO	1.34	20											937	67	
TOTAL FOR MAP NO. 18											1.34												937	67
2023CPT.03.10.20312	Duplin	19	SR 1327 (JUNIPER ROAD)	FROM NC 403 HWY. TO SR 1301 (WARREN RD.) [MP 0.00 - MP 0.94]		2	2WU	NO	NO	0.94	20											140	9	
TOTAL FOR MAP NO. 19											0.94											140	9	
2023CPT.03.10.20312	Duplin	20	SR 1361 (FONVIELLE ROAD)	FROM SR 1306 (BEAUTANCUS RD.) TO SR 1362 (IVEY RD.) [MP 0.00 - MP 1.22]		2	2WU	NO	NO	1.22	20											170	11	
TOTAL FOR MAP NO. 20											1.22											170	11	
2023CPT.03.10.20312	Duplin	21	SR 1957 (BROWNTOWN ROAD)	FROM NC 11 HWY. TO SR 1141 (STOCKING HEAD RD.) [MP 0.00 - MP 3.99]		2	2WU	NO	NO	3.99	20											450	30	
TOTAL FOR MAP NO. 21											3.99											450	30	
TOTAL FOR PROJ NO. 2023CPT.03.10.20312											11.1											760	3,447	297
GRAND TOTAL											49.23		38	377	353	11,008	1,347	3,782	125	1,910	6,968	14,324	3,447	1,779
																					8,878			

PROJECT NO.	SHEET NO.
2023CPT.03.10.10311, Etc.	14

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1705500000-E	2845000000-N	2830000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E	6036000000-E	6042000000-E			
												PATCHING EXISTING PAVEMENT (MILL)	ADJUSTMENT OF VALVE BOXES	ADJUSTMENT OF MANHOLES	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	FERTILIZER FOR TEMPORARY SEEDING	MATTING FOR EROSION CONTROL	1/4" HARDWARE CLOTH			
												MI	FT	TON	EA	EA	LF	TON	TON	ACR	LBS	TON	SY	LF	
2023CPT.03.10.20312	Duplin	15	SR 1821 (ARTHUR SLOAN ROAD)	FROM NC 111 HWY. TO END OF MAINTENANCE [MP 0.00 - MP 0.70]	4	2	2WU	NO	NO	0.7	20	5													
TOTAL FOR MAP NO. 15												0.7		5											
2023CPT.03.10.20312	Duplin	16	SR 1822 OLIVER FOUNTAIN ROAD)	FROM SR 1715 (FOUNTAIN TOWN RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.41]	4	2	2WU	NO	NO	0.41	20														
TOTAL FOR MAP NO. 16												0.41													
2023CPT.03.10.20312	Duplin	17	SR 1825 (CHARLES WOOD ROAD)	FROM SR 1715 (FOUNTAIN TOWN RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.51]	4	2	2WU	NO	NO	0.51	20	15													
TOTAL FOR MAP NO. 17												0.51		15											
2023CPT.03.10.20312	Duplin	18	SR 1955 (DOC BROWN ROAD)	FROM SR 1957 (BROWNTOWN RD.) TO SR 1141 (STOCKING HEAD RD.) [MP 0.00 - MP 1.34]	4	2	2WU	NO	NO	1.34	20	25													
TOTAL FOR MAP NO. 18												1.34		25											
2023CPT.03.10.20312	Duplin	19	SR 1327 (JUNIPER ROAD)	FROM NC 403 HWY. TO SR 1301 (WARREN RD.) [MP 0.00 - MP 0.94]		2	2WU	NO	NO	0.94	20														
TOTAL FOR MAP NO. 19												0.94													
2023CPT.03.10.20312	Duplin	20	SR 1361 (FONVIELLE ROAD)	FROM SR 1306 (BEAUTANCUS RD.) TO SR 1362 (IVEY RD.) [MP 0.00 - MP 1.22]		2	2WU	NO	NO	1.22	20														
TOTAL FOR MAP NO. 20												1.22													
2023CPT.03.10.20312	Duplin	21	SR 1957 (BROWNTOWN ROAD)	FROM NC 11 HWY. TO SR 1141 (STOCKING HEAD RD.) [MP 0.00 - MP 3.99]		2	2WU	NO	NO	3.99	20														
TOTAL FOR MAP NO. 21												3.99													
TOTAL FOR PROJ NO. 2023CPT.03.10.20312												11.1		125											
GRAND TOTAL												49.23		1,618	12	4	1,827	457	457	18.26	916	4.57	140	916	

PROJECT NO.	SHEET NO.
2023CPT.03.10.10311, Etc.	16

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N	7444000000-E	0234000000-E
												WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL	INDUCTIVE LOOP SAWCUT	STATE FURNISHED BORROW EXCAVATION
												LF	AC	LB	TON	EA	LF	CY
2023CPT.03.10.20312	Duplin	15	SR 1821 (ARTHUR SLOAN ROAD)	FROM NC 111 HWY. TO END OF MAINTENANCE [MP 0.00 - MP 0.70]	4	2	2WU	NO	NO	0.7	20							
TOTAL FOR MAP NO. 15										0.7								
2023CPT.03.10.20312	Duplin	16	SR 1822 OLIVER FOUNTAIN ROAD)	FROM SR 1715 (FOUNTAIN TOWN RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.41]	4	2	2WU	NO	NO	0.41	20							
TOTAL FOR MAP NO. 16										0.41								
2023CPT.03.10.20312	Duplin	17	SR 1825 (CHARLES WOOD ROAD)	FROM SR 1715 (FOUNTAIN TOWN RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.51]	4	2	2WU	NO	NO	0.51	20							
TOTAL FOR MAP NO. 17										0.51								
2023CPT.03.10.20312	Duplin	18	SR 1955 (DOC BROWN ROAD)	FROM SR 1957 (BROWNTOWN RD.) TO SR 1141 (STOCKING HEAD RD.) [MP 0.00 - MP 1.34]	4	2	2WU	NO	NO	1.34	20							
TOTAL FOR MAP NO. 18										1.34								
2023CPT.03.10.20312	Duplin	19	SR 1327 (JUNIPER ROAD)	FROM NC 403 HWY. TO SR 1301 (WARREN RD.) [MP 0.00 - MP 0.94]		2	2WU	NO	NO	0.94	20							
TOTAL FOR MAP NO. 19										0.94								
2023CPT.03.10.20312	Duplin	20	SR 1361 (FONVIELLE ROAD)	FROM SR 1306 (BEAUTANCUS RD.) TO SR 1362 (IVEY RD.) [MP 0.00 - MP 1.22]		2	2WU	NO	NO	1.22	20							
TOTAL FOR MAP NO. 20										1.22								
2023CPT.03.10.20312	Duplin	21	SR 1957 (BROWNTOWN ROAD)	FROM NC 11 HWY. TO SR 1141 (STOCKING HEAD RD.) [MP 0.00 - MP 3.99]		2	2WU	NO	NO	3.99	20							
TOTAL FOR MAP NO. 21										3.99								
TOTAL FOR PROJ NO. 2023CPT.03.10.20312										11.1								
GRAND TOTAL										49.23		290	17.71	916	4.57	40	570	2,806

PROJECT NO.	SHEET NO.
2023CPT.03.10.10311, Etc.	18

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4510000000-N	4685000000-E		4704000000-E	4709000000-E	4720000000-E	4725000000-E		4810000000-E			
								MI	FT	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	4" X 90 M YELLOW THERMO	4" X 90 M WHITE THERMO	THERMOPLASTIC PAVEMENT MARKING LINES (16" X 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (24" X 90 MILS)	THERMO RXR 90 MILS	THERMO RT ARROW (90 MIL)	THERMO STR & LT ARROW (90 MIL)	4" WHITE PAINT	4" YELLOW PAINT		
									SF	LS	HR	LF	LF	LF	LF	EA	EA	EA	LF	LF			
2023CPT.03.10.20312	Duplin	13	SR 1408 (SOUTH FIRST STREET)	FROM SR 1320 (EDWINA KONEGAY RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	4	2	2WU	0.08	20		0.01												
TOTAL FOR MAP NO. 13									0.08														
2023CPT.03.10.20312	Duplin	14	SR 1904 (HENRY MIDDLETON ROAD)	SR 1903 (CLAUDE SCOTT RD.) TO END OF PAVEMENT [MP 0.37 - MP 0.61]	4	2	2WU	0.24	20		0.01												
TOTAL FOR MAP NO. 14									0.24														
2023CPT.03.10.20312	Duplin	15	SR 1821 (ARTHUR SLOAN ROAD)	FROM NC 111 HWY. TO END OF MAINTENANCE [MP 0.00 - MP 0.70]	4	2	2WU	0.7	20		0.01												
TOTAL FOR MAP NO. 15									0.7														
2023CPT.03.10.20312	Duplin	16	SR 1822 OLIVER FOUNTAIN ROAD)	FROM SR 1715 (FOUNTAIN TOWN RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.41]	4	2	2WU	0.41	20		0.01												
TOTAL FOR MAP NO. 16									0.41														
2023CPT.03.10.20312	Duplin	17	SR 1825 (CHARLES WOOD ROAD)	FROM SR 1715 (FOUNTAIN TOWN RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.51]	4	2	2WU	0.51	20		0.01												
TOTAL FOR MAP NO. 17									0.51														
2023CPT.03.10.20312	Duplin	18	SR 1955 (DOC BROWN ROAD)	FROM SR 1957 (BROWNTOWN RD.) TO SR 1141 (STOCKING HEAD RD.) [MP 0.00 - MP 1.34]	4	2	2WU	1.34	20		0.04		5,600	14,418									
TOTAL FOR MAP NO. 18									1.34				5,600	14,418									
2023CPT.03.10.20312	Duplin	19	SR 1327 (JUNIPER ROAD)	FROM NC 403 HWY. TO SR 1301 (WARREN RD.) [MP 0.00 - MP 0.94]		2	2WU	0.94	20		0.02									2,400	2,400		
TOTAL FOR MAP NO. 19									0.94											2,400	2,400		
2023CPT.03.10.20312	Duplin	20	SR 1361 (FONVIELLE ROAD)	FROM SR 1306 (BEAUTANCUS RD.) TO SR 1362 (IVEY RD.) [MP 0.00 - MP 1.22]		2	2WU	1.22	20		0.02									4,000	4,000		
TOTAL FOR MAP NO. 20									1.22												4,000	4,000	
2023CPT.03.10.20312	Duplin	21	SR 1957 (BROWNTOWN ROAD)	FROM NC 11 HWY. TO SR 1141 (STOCKING HEAD RD.) [MP 0.00 - MP 3.99]		2	2WU	3.99	20	448	0.08									10,000	10,000		
TOTAL FOR MAP NO. 21									3.99			448	0.08								10,000	10,000	
TOTAL FOR PROJ NO. 2023CPT.03.10.20312									11.1			448	0.27		5,600	14,418						16,400	16,400
													20,018								32,800		
GRAND TOTAL									49.23			4,448	1.00	40.00	132,297	198,274	120	260	6	2	1	57,168	57,168
													330,571					3		114,336			

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4850000000-E	4900000000-N	4905100000-N		
								MI	FT	REMOVAL OF PAVEMENT MARKING LINES (4")	YELLOW & YELLOW MARKERS	NON CAST IRON SNOWPLOWABLE MARKERS (C/R)	NON CAST IRON SNOWPLOWABLE MARKERS (Y/Y)	
									LF	EA	EA	EA		
2023CPT.03.10.10311	Duplin	1	NC 903 HIGHWAY	FROM SAMPSON COUNTY LINE TO I-40 [MP 0.00 - P 11.35]	1,3,5	2	2WU	11.35	24	320		6	760	
TOTAL FOR MAP NO. 1									11.35		320		6	760
TOTAL FOR PROJ NO. 2023CPT.03.10.10311									11.35		320		6	760
											766			
2023CPT.03.10.10312	Duplin	2	NC 111 HIGHWAY	FROM NC 41 (N. JACKSON ST.) TO WAYNE CO. LINE [MP 15.20 - MP 34.97]		2	2WU	19.77	24		250			
TOTAL FOR MAP NO. 2									19.77		250			
TOTAL FOR PROJ NO. 2023CPT.03.10.10312									19.77		250			
2023CPT.03.10.20311	Duplin	3	SR 1149 (FRANK COTTLE ROAD/ N. WEST AVE.)	FROM SR 1146 (WELLSTOWN RD.) TO SR 1149 (S. WEST AVE.) [MP 0.00 - MP 2.00]	2	2	2WU	2	20		140			
TOTAL FOR MAP NO. 3									2		140			
2023CPT.03.10.20311	Duplin	4	SR 1110 (HENRY BEST ROAD)	FROM SR 1192 (CARROLLS RD.) TO SR 1105 (CARLTON CHAPEL RD.) [MP 0.00 - MP 1.36]	2	2	2WU	1.36	20		90			
TOTAL FOR MAP NO. 4									1.36		90			
2023CPT.03.10.20311	Duplin	5	SR 1154 (HC POWERS ROAD)	FROM SR 1155 (SHAW RD.) TO NC 41 HWY. [MP 0.00 - MP 2.39]	2	2	2WU	2.39	18	448	160			
TOTAL FOR MAP NO. 5									2.39		448	160		
2023CPT.03.10.20311	Duplin	6	SR 1811 (HUNTER ROAD)	FROM SR 1810 (CEDAR FORK RD.) TO SR 1715 (FOUNTAIN TOWN RD.) [MP 0.00 - MP 1.26]	2	2	2WU	1.26	20		83			
TOTAL FOR MAP NO. 6									1.26		83			
TOTAL FOR PROJ NO. 2023CPT.03.10.20311									7.01		448	473		
2023CPT.03.10.20312	Duplin	7	SR 2031 (MATTHEW SOUTHERLAND LANE)	SR 2029 (OLD NC 903 HWY.) TO END OF MAINTENANCE [MP 0.00 - MP 0.30]	4	2	2WU	0.3	20					
TOTAL FOR MAP NO. 7									0.3					
2023CPT.03.10.20312	Duplin	8	SR 1960 (WILLIAM FAISON ROAD)	FROM SR 1959 (PAUL ED DAIL RD.) TO SR 1989 (JESSE PEARSALL RD.) [MP 0.00 - MP 0.30]	4	2	2WU	0.3	20					
TOTAL FOR MAP NO. 8									0.3					
2023CPT.03.10.20312	Duplin	9	SR 1989 (JESSE PEARSALL ROAD)	FROM SR 1960 (WILLIAM FAISON RD.) TO END OF PAVEMENT [MP 0.00 - MP 0.22]	4	2	2WU	0.22	20					
TOTAL FOR MAP NO. 9									0.22					
2023CPT.03.10.20312	Duplin	10	SR 1990 (JESSE PEARSALL ROAD EXT.)	FROM SR 1960 (WILLIAM FAISON RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.23]	4	2	2WU	0.23	20					
TOTAL FOR MAP NO. 10									0.23					
2023CPT.03.10.20312	Duplin	11	SR 1403 (ROBERT HOBBS ROAD)	FROM US 117 HWY. TO END OF MAINTENANCE [MP 0.00 - MP 0.46]	4	2	2WU	0.46	20					
TOTAL FOR MAP NO. 11									0.46					
2023CPT.03.10.20312	Duplin	12	SR 1397 (KING'S COURT DRIVE)	FROM SR 1305 (REVELLE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.16]	4	2	2WU	0.16	22					
TOTAL FOR MAP NO. 12									0.16					

PROJECT NO.	SHEET NO.
2023CPT.03.10.10311, Etc.	20

THERMOPLASTIC AND PAINT QUANTITIES

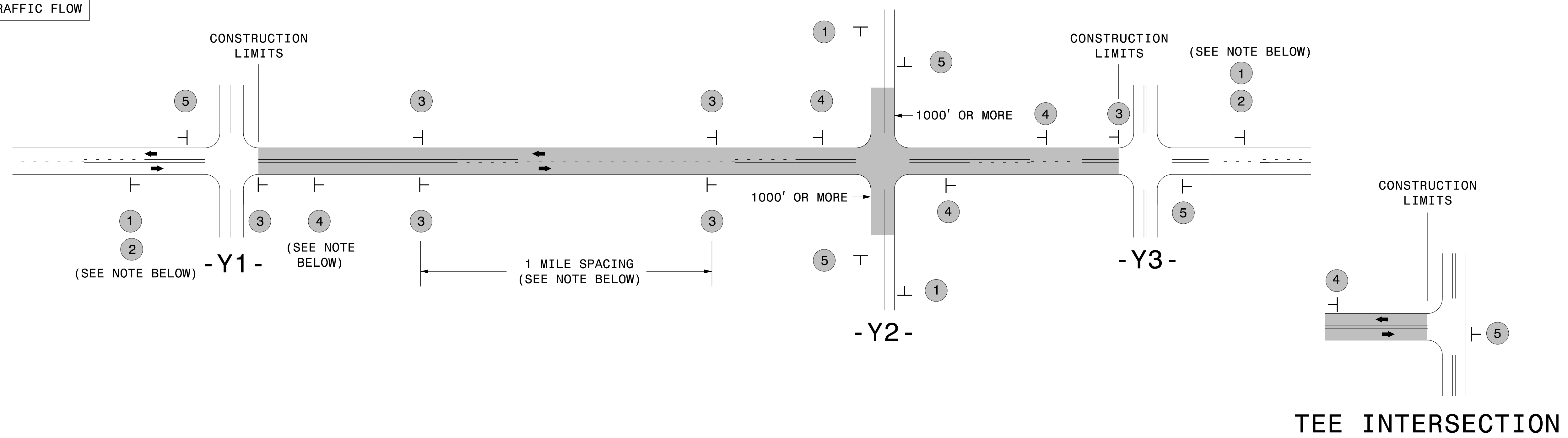
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4850000000-E	4900000000-N	4905100000-N		
								MI	FT	REMOVAL OF PAVEMENT MARKING LINES (4")	YELLOW & YELLOW MARKERS	NON CAST IRON SNOWPLOWABLE MARKERS (C/R)	NON CAST IRON SNOWPLOWABLE MARKERS (Y/Y)	
									LF	EA	EA	EA		
2023CPT.03.10.20312	Duplin	13	SR 1408 (SOUTH FIRST STREET)	FROM SR 1320 (EDWINA KONEGAY RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	4	2	2WU	0.08	20					
TOTAL FOR MAP NO. 13									0.08					
2023CPT.03.10.20312	Duplin	14	SR 1904 (HENRY MIDDLETON ROAD)	SR 1903 (CLAUDE SCOTT RD.) TO END OF PAVEMENT [MP 0.37 - MP 0.61]	4	2	2WU	0.24	20					
TOTAL FOR MAP NO. 14									0.24					
2023CPT.03.10.20312	Duplin	15	SR 1821 (ARTHUR SLOAN ROAD)	FROM NC 111 HWY. TO END OF MAINTENANCE [MP 0.00 - MP 0.70]	4	2	2WU	0.7	20					
TOTAL FOR MAP NO. 15									0.7					
2023CPT.03.10.20312	Duplin	16	SR 1822 OLIVER FOUNTAIN ROAD)	FROM SR 1715 (FOUNTAIN TOWN RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.41]	4	2	2WU	0.41	20					
TOTAL FOR MAP NO. 16									0.41					
2023CPT.03.10.20312	Duplin	17	SR 1825 (CHARLES WOOD ROAD)	FROM SR 1715 (FOUNTAIN TOWN RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.51]	4	2	2WU	0.51	20					
TOTAL FOR MAP NO. 17									0.51					
2023CPT.03.10.20312	Duplin	18	SR 1955 (DOC BROWN ROAD)	FROM SR 1957 (BROWNTOWN RD.) TO SR 1141 (STOCKING HEAD RD.) [MP 0.00 - MP 1.34]	4	2	2WU	1.34	20			90		
TOTAL FOR MAP NO. 18									1.34			90		
2023CPT.03.10.20312	Duplin	19	SR 1327 (JUNIPER ROAD)	FROM NC 403 HWY. TO SR 1301 (WARREN RD.) [MP 0.00 - MP 0.94]		2	2WU	0.94	20			10		
TOTAL FOR MAP NO. 19									0.94			10		
2023CPT.03.10.20312	Duplin	20	SR 1361 (FONVIELLE ROAD)	FROM SR 1306 (BEAUTANCUS RD.) TO SR 1362 (IVEY RD.) [MP 0.00 - MP 1.22]		2	2WU	1.22	20			14		
TOTAL FOR MAP NO. 20									1.22			14		
2023CPT.03.10.20312	Duplin	21	SR 1957 (BROWNTOWN ROAD)	FROM NC 11 HWY. TO SR 1141 (STOCKING HEAD RD.) [MP 0.00 - MP 3.99]		2	2WU	3.99	20			36		
TOTAL FOR MAP NO. 21									3.99			36		
TOTAL FOR PROJ NO. 2023CPT.03.10.20312									11.1			150		
GRAND TOTAL									49.23		768	873	6	760
													766	

SIGNING FOR RESURFACING PROJECTS

LEGEND

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 W20-1 48" X 48"	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <p>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.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> W20-1 48" X 48" </div> <div style="text-align: center;"> W20-7 A 48" X 48" </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> <p>PLACED 250' IN ADVANCE OF FLAGGER.</p>
	2	 NEXT XX MILES W7-3aP 24" X 18"	#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)	
	3	 SP 13107 48" X 48"	<ul style="list-style-type: none"> - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER. 	
	4	 SP 13106 48" X 48"	<ul style="list-style-type: none"> - 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.

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

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

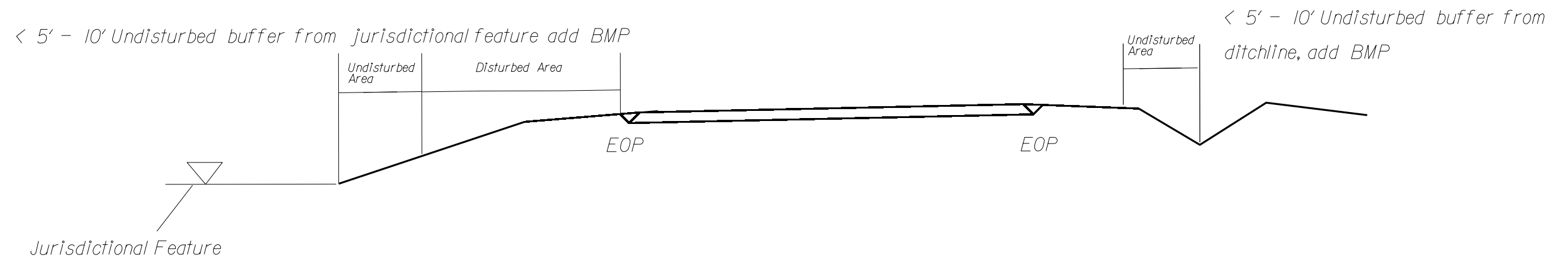
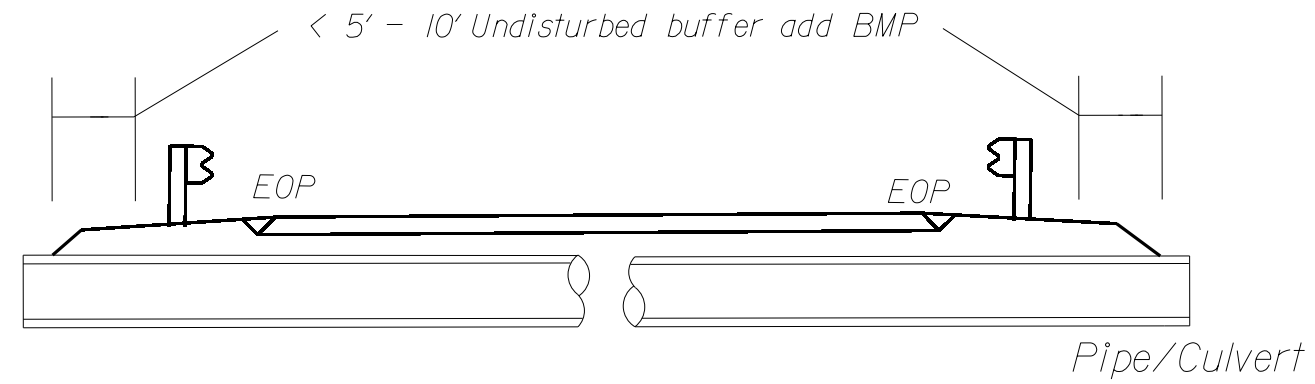
SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
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.

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

BMP Options: Wattle or Silt Fence

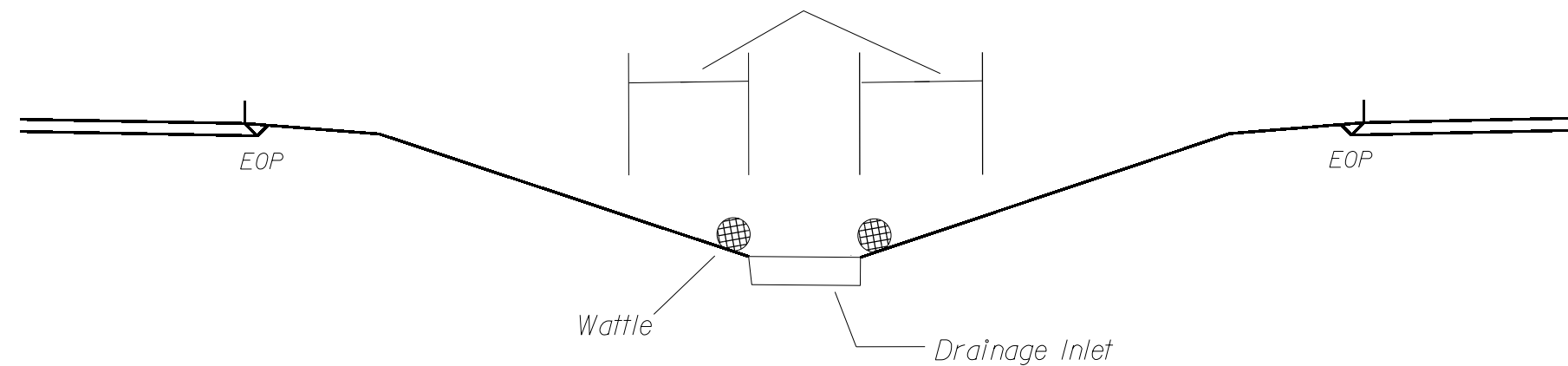
EROSION CONTROL DETAIL



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

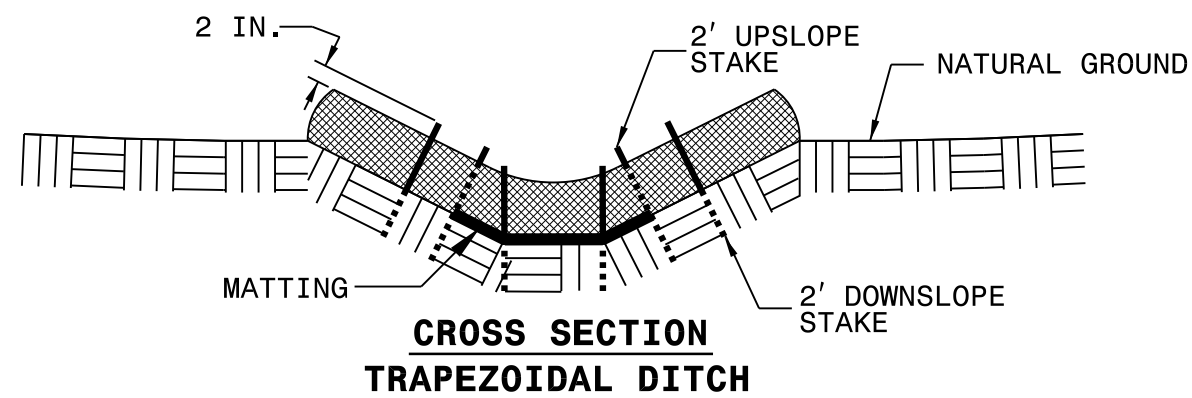
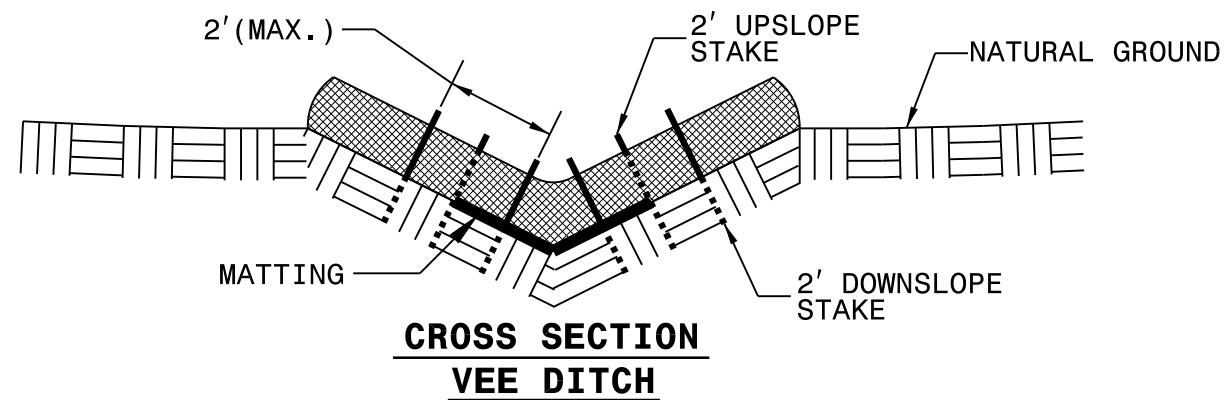
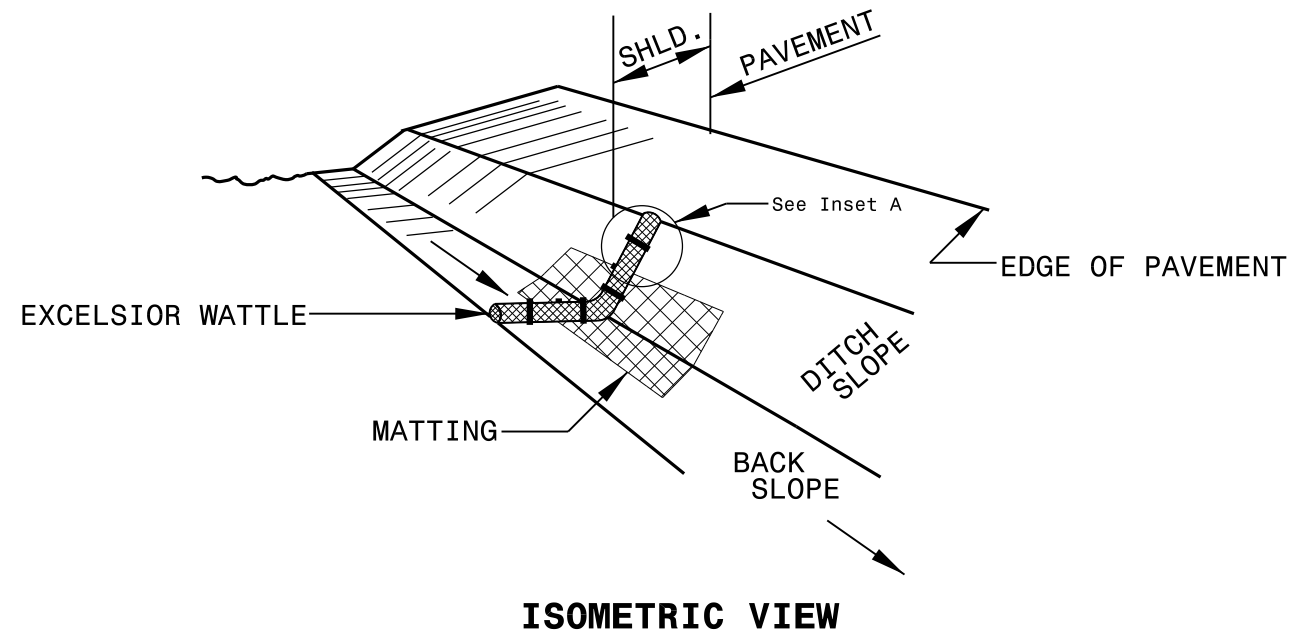


< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

WATTLE DETAIL



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.

