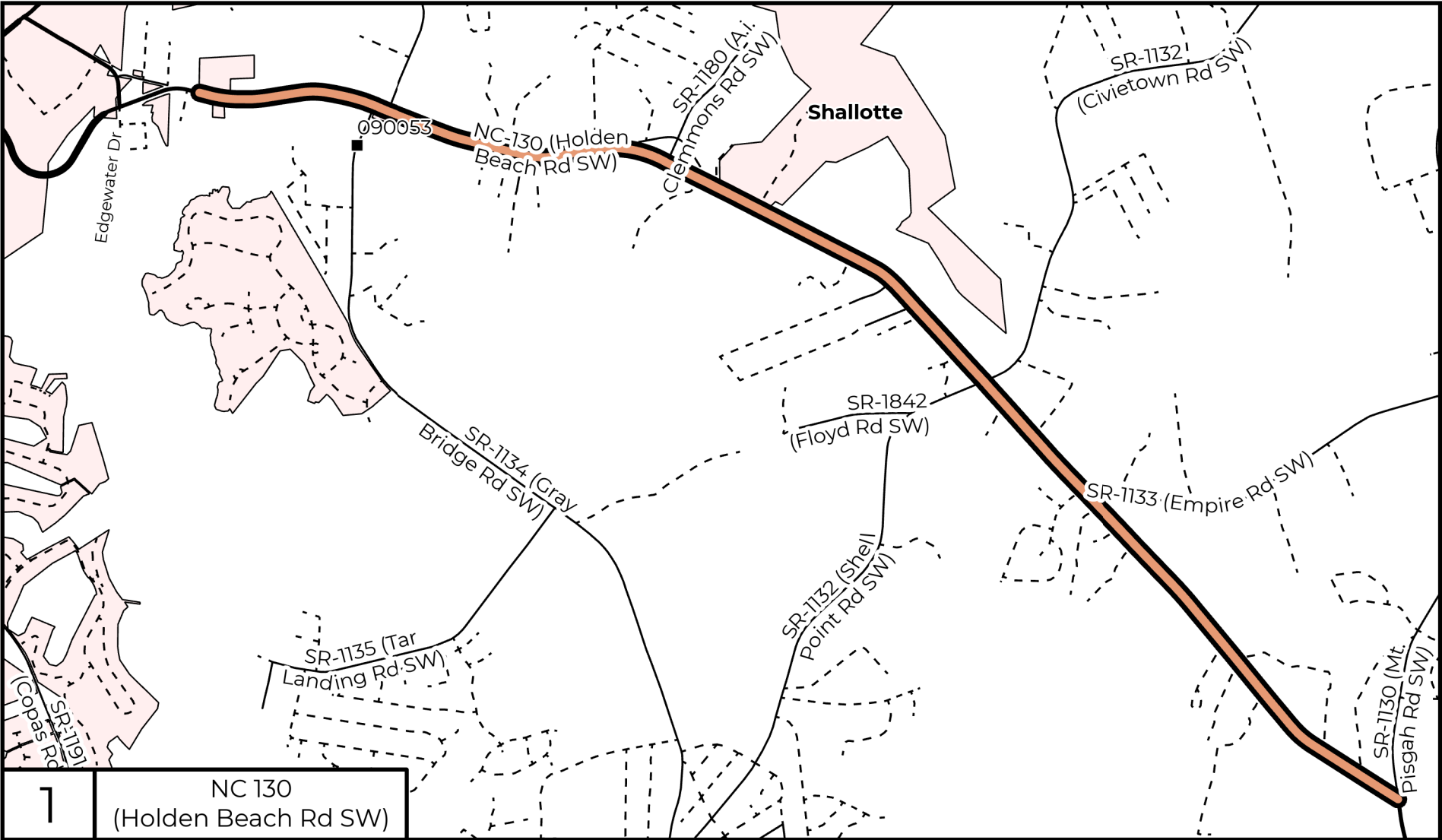
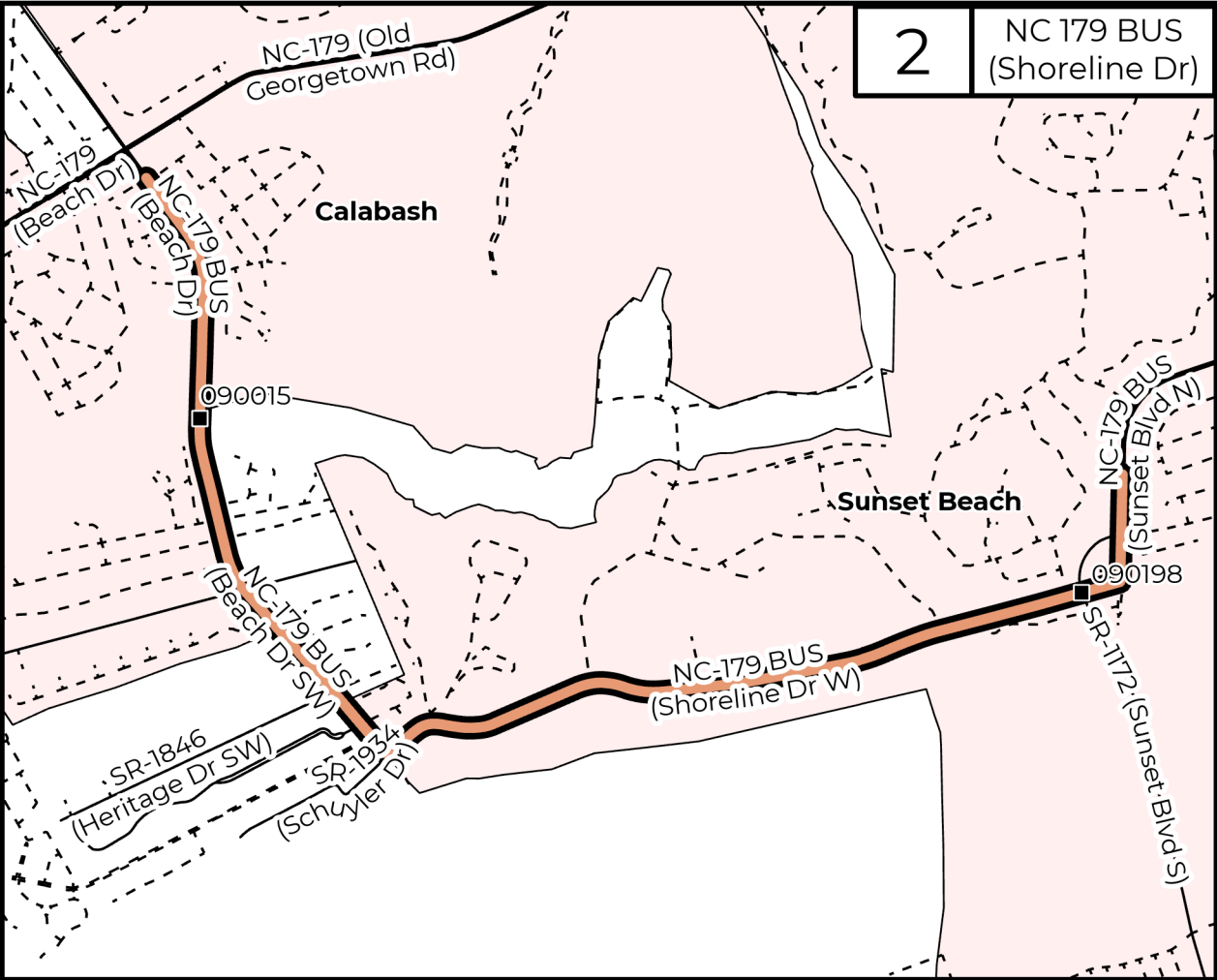
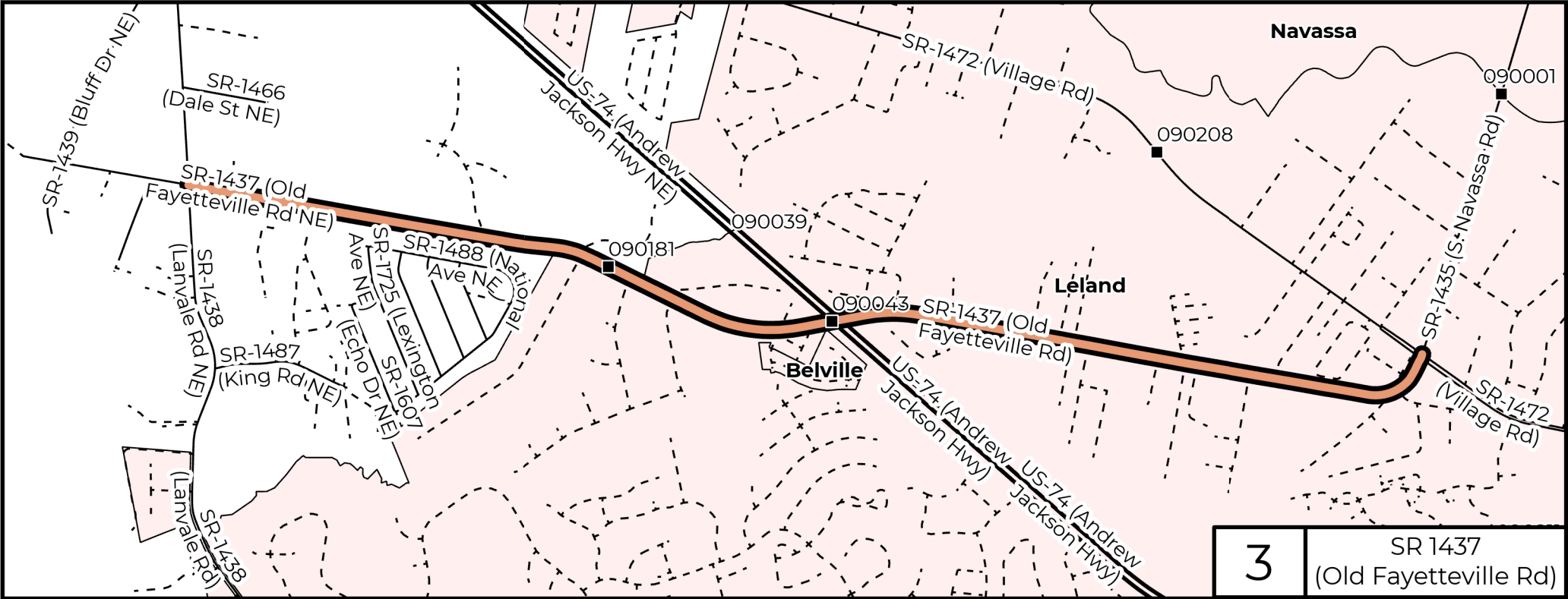
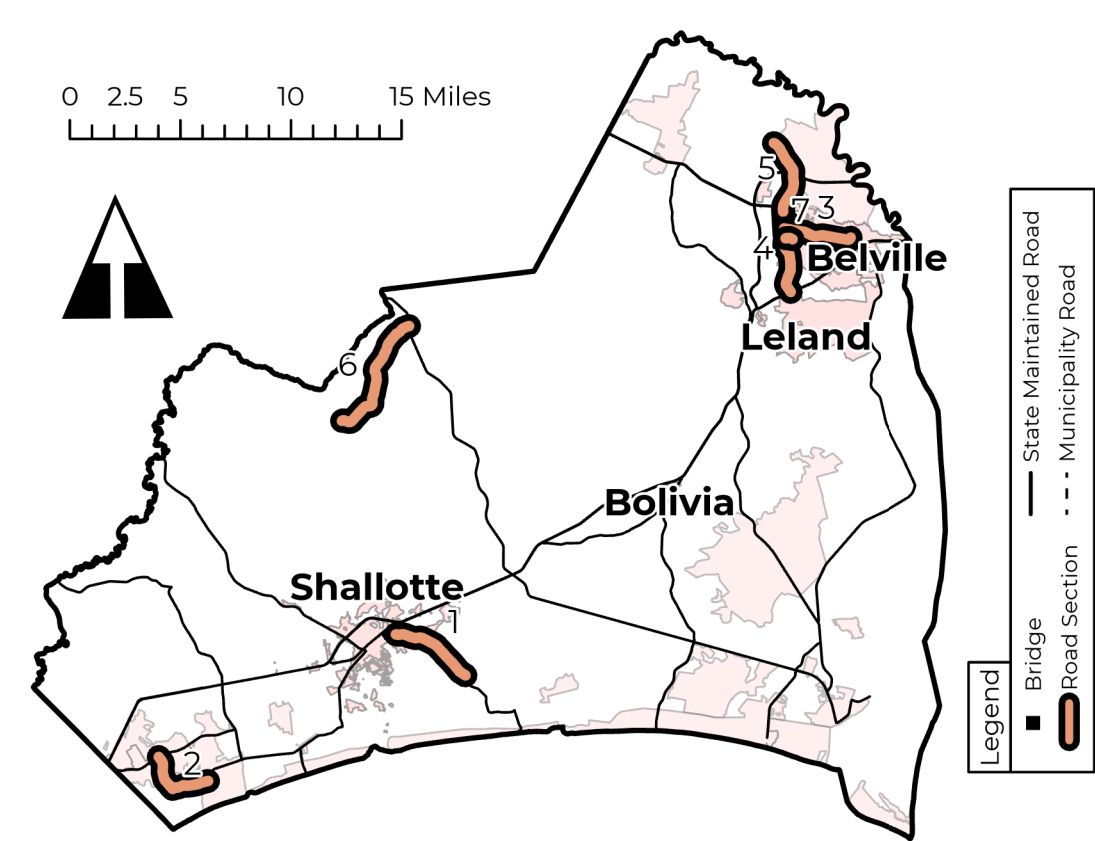
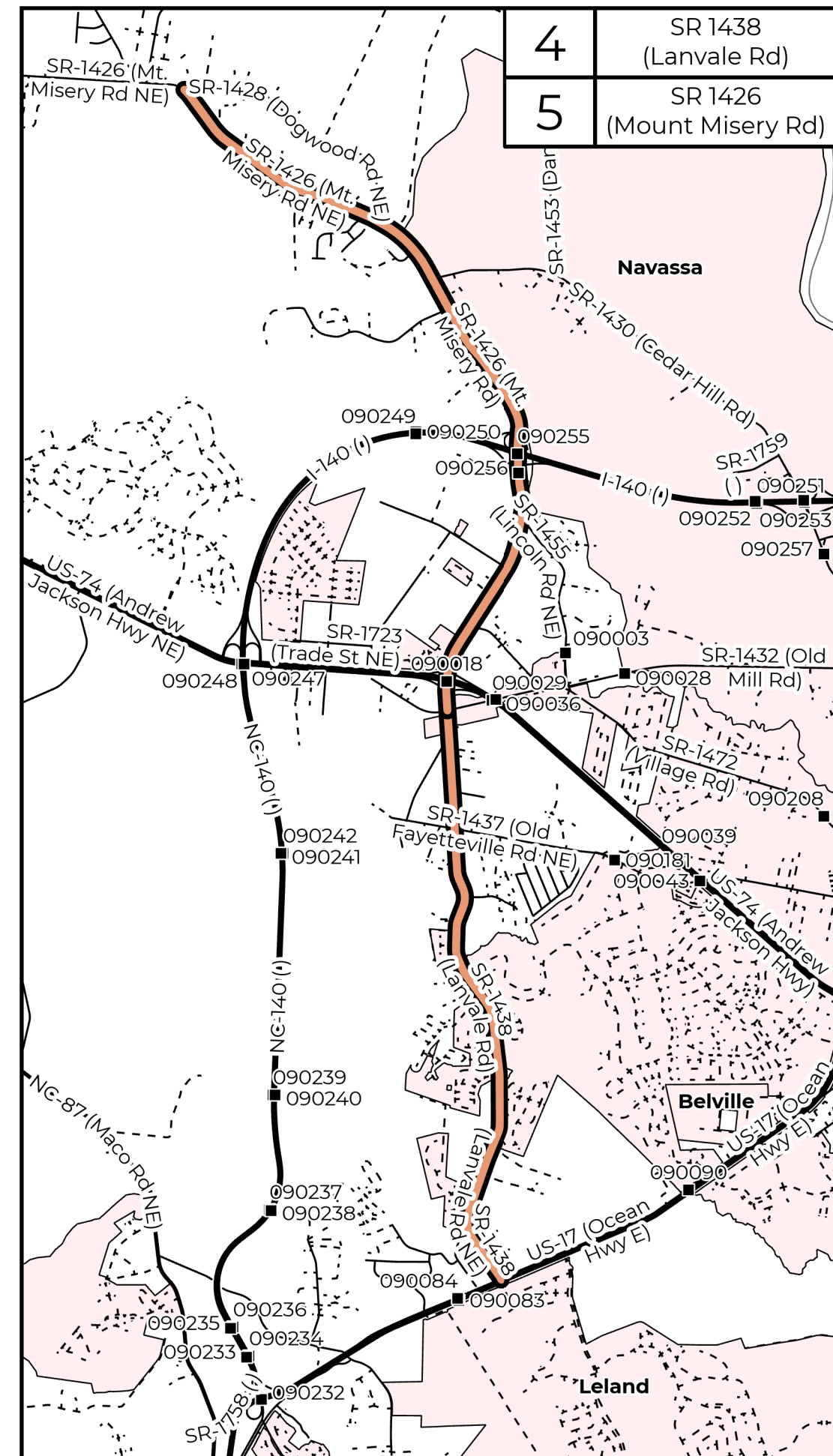
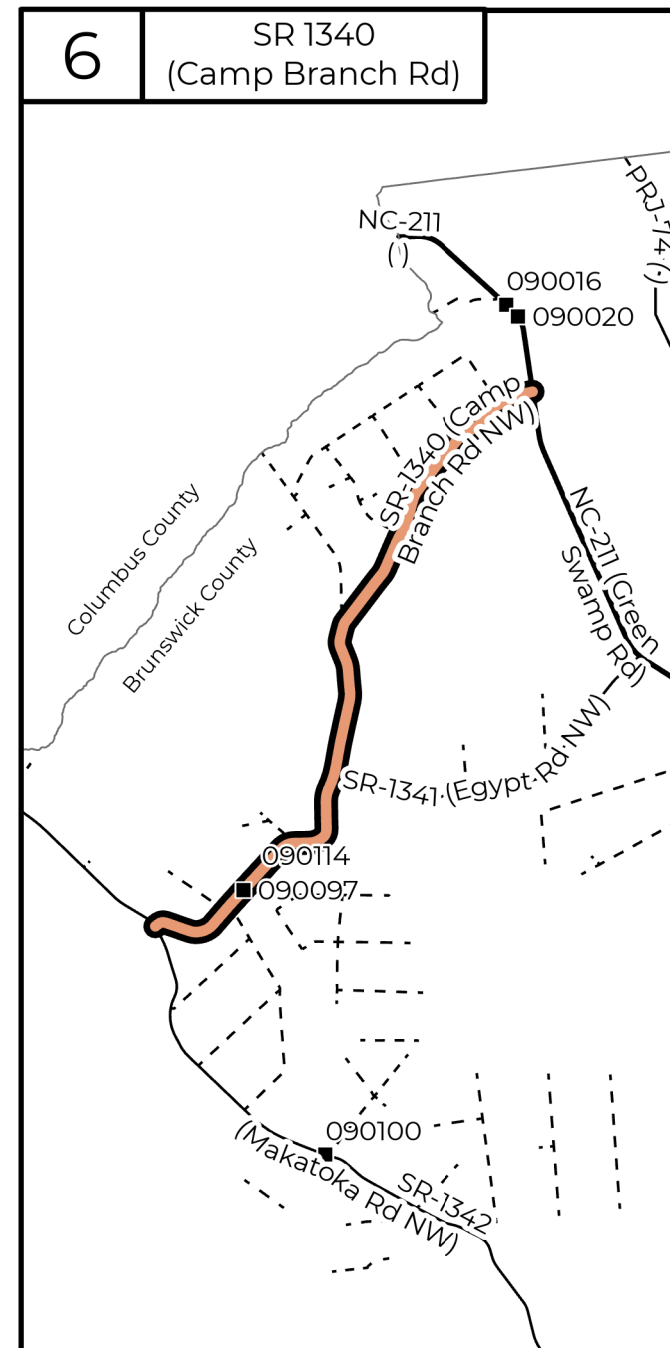
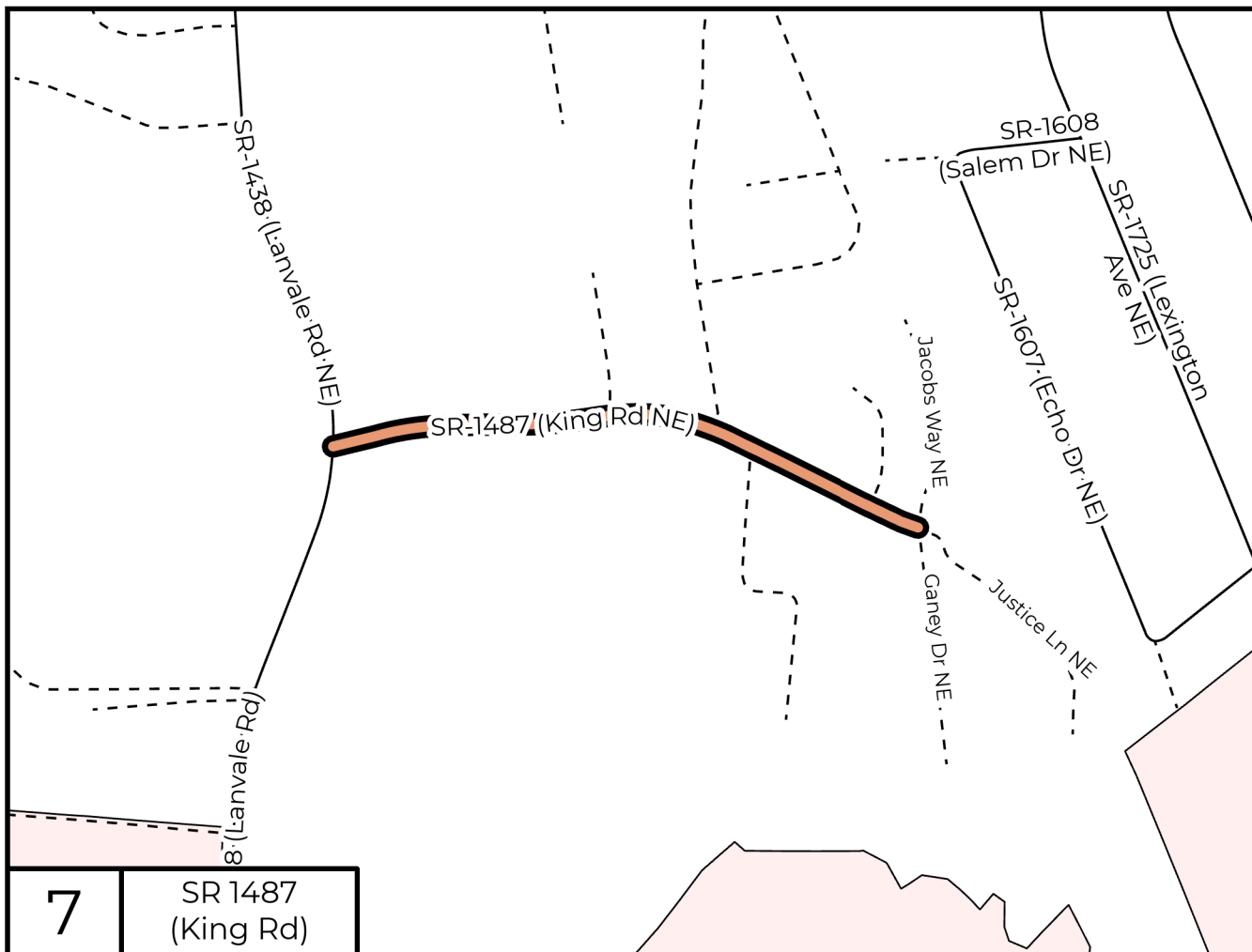


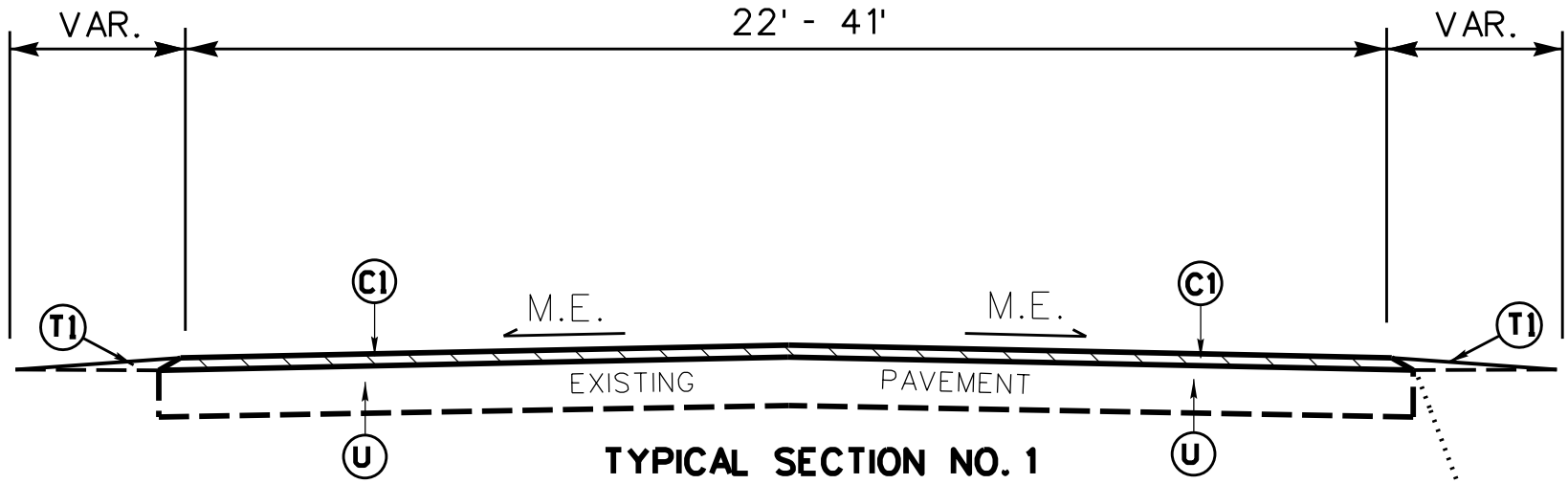
Brunswick County Contract B 1 - 3

PROJECT REFERENCE NO.	SHEET NO.
2021CPT.03.32.10101, ETC.	1



PROJECT REFERENCE NO.	SHEET NO.
2021CPT.03.32.10101, ETC.	2





MAP NO. 1
NC 130 (HOLDEN BEACH RD.)
MP 4.41 - MP 8.24

MAP NO. 4
SR 1438 (LANVALE RD.)
MP 0.04 - MP 3.81

MAP NO. 5
SR 1426 (MT. MISERY RD.)
MP 3.80 - MP 8.89

*NO WORK BETWEEN
MP 6.80 - MP 7.57

MAP NO. 2
NC 179 BUS. (SHORELINE DR.)
MP 0.03 - MP 3.52

[NO ASPHALT WORK ON
BRIDGE NO. 015]
MP 0.68 - MP 0.73

MAP NO. 3
SR 1437 (OLD FAYETTEVILLE RD.)
MP 0.23 - MP 3.11

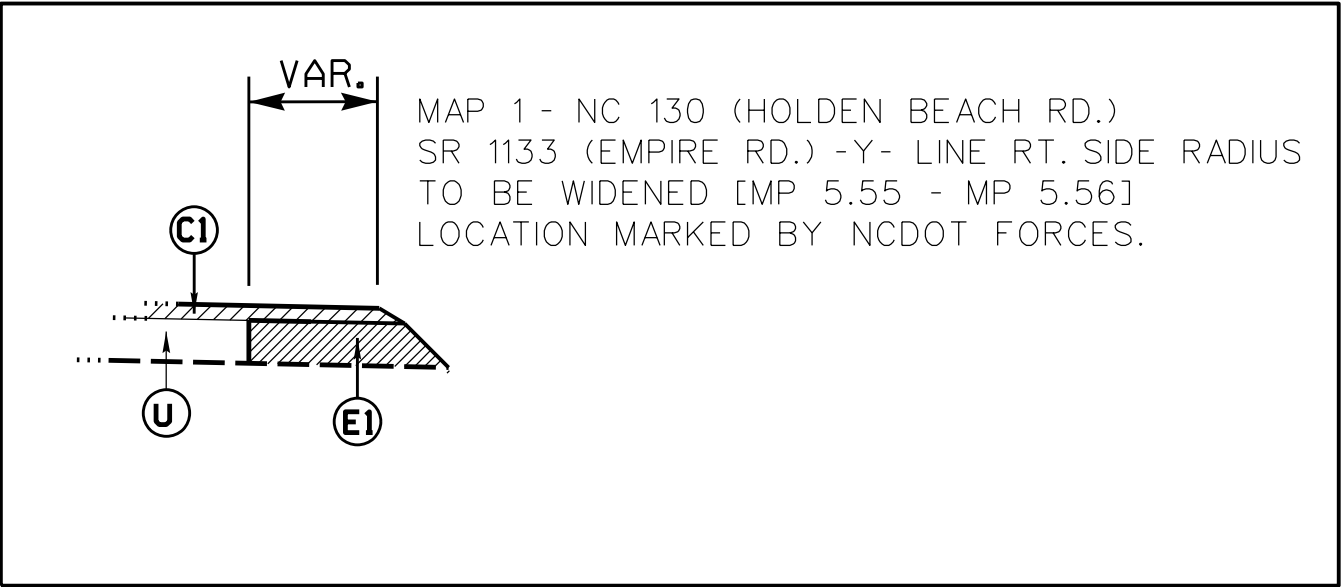
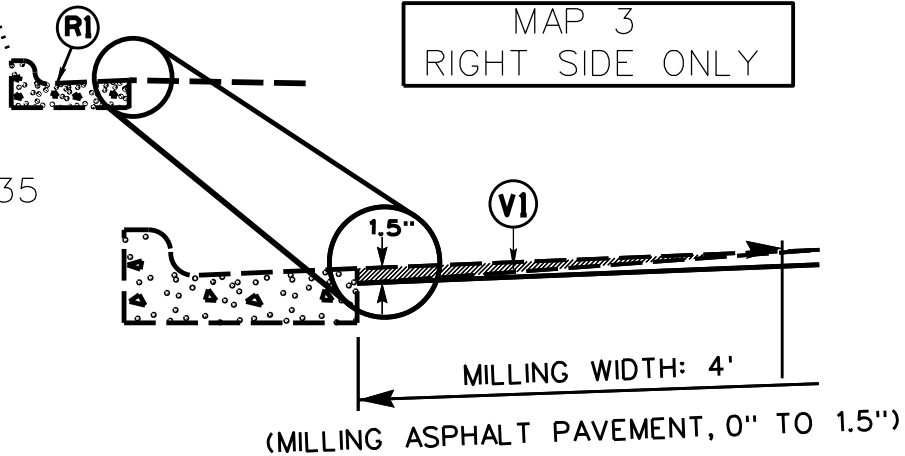
*NO WORK BETWEEN MP 0.39 - MP 1.35
*NO WORK ON BRIDGE NO. 181
MP 2.00 - MP 2.15

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C2	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 CONCRETE 2'-6" CURB & GUTTER
R2	EXISTING ROLLED ASPHALT CURB
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
T2	EXISTING EARTH MATERIAL
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 0" TO 1½" DEPTH

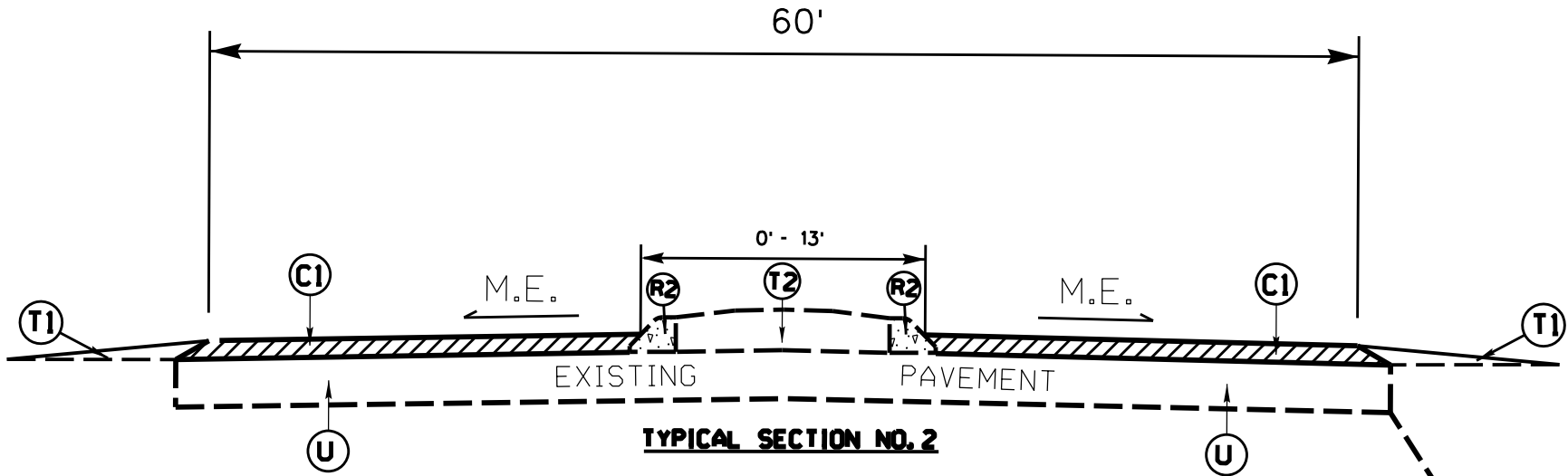
PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

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

..SHOULDER WORK ON MAP NO. 1 - 5 AS NEEDED, TO BE DETERMINED BY ENGINEER.

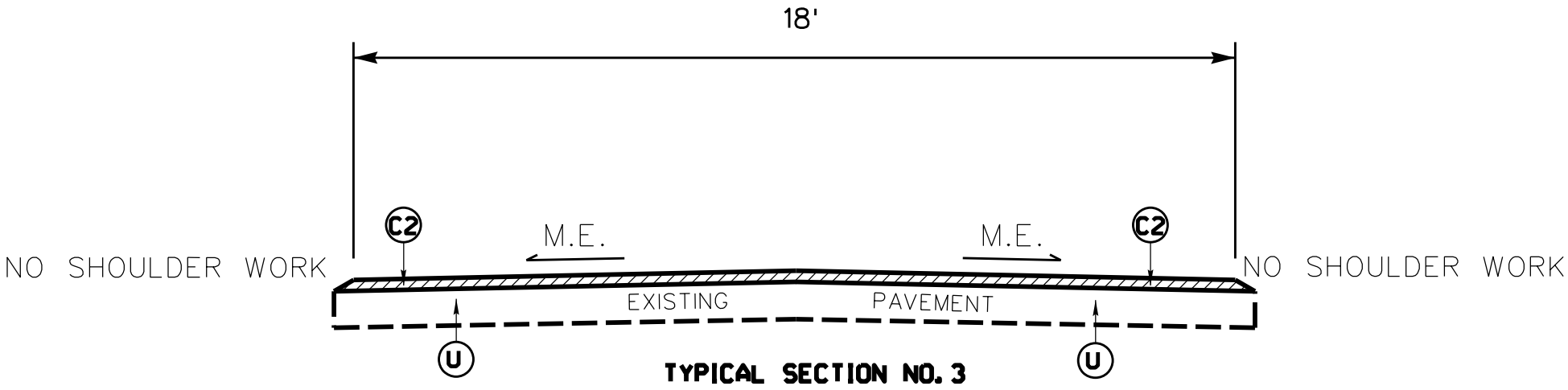
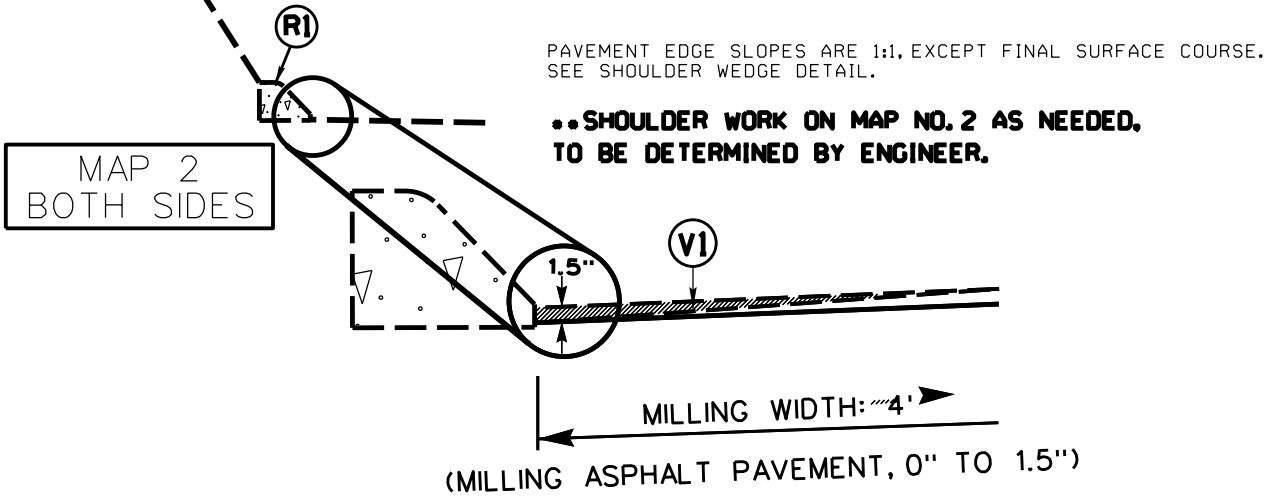


PAVEMENT SCHEDULE	
C1	1½" S9.5B
C2	1" S4.75A
R2	EXISTING ROLLED ASPHALT CURB
T1	EARTH MATERIAL SHOULDER RECONST.
T2	EXISTING EARTH MATERIAL
U	EXISTING PAVEMENT
V1	VARIABLE MILLING 0" - 1½" DEPTH



MAP NO. 2
NC 179 BUS. (SHORELINE DR.)
MP 3.52 - MP 3.55

MAP NO. 6
SR 1340 (CAMP BRANCH RD.)
MP 4.15 - MP 10.08
NCDOT FORCES WILL LOCATE
FULL DEPTH PATCHING & SHALLOW UNDERCUT



MAP NO. 7
SR 1487 (KING RD.)
MP 0.00 - MP 0.33

NO SHOULDER WORK

NO SHOULDER WORK

2018 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - 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

DIVISION 12 - PVMT MARKING, MARKERS AND DELINEATION

- 1205.06 Lane Drops
- 1205.08 Pavement Markings - Symbols & Word Messages

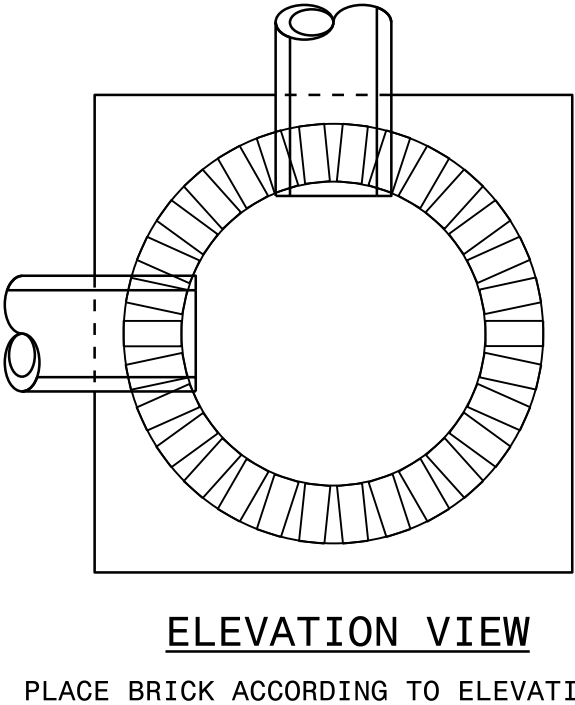
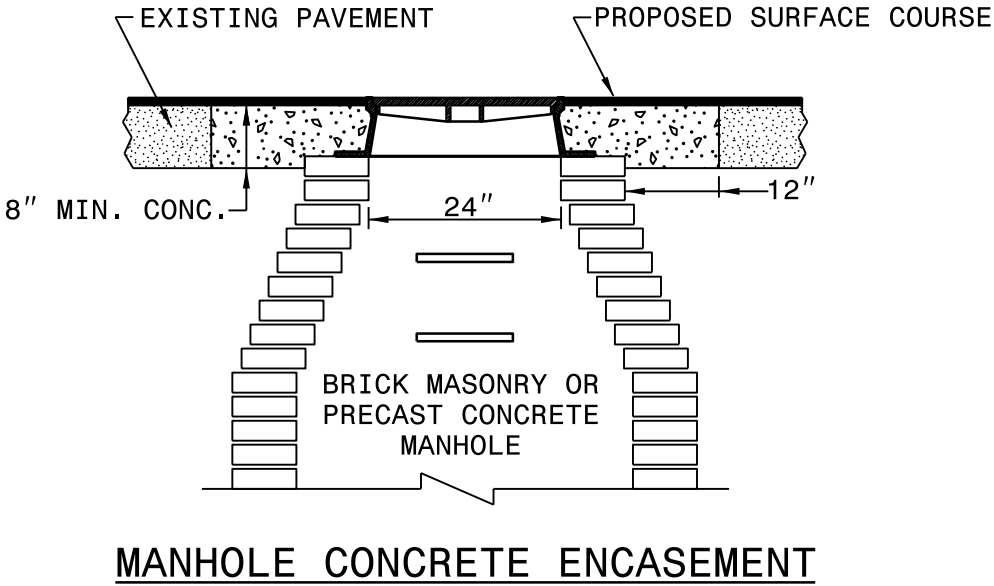
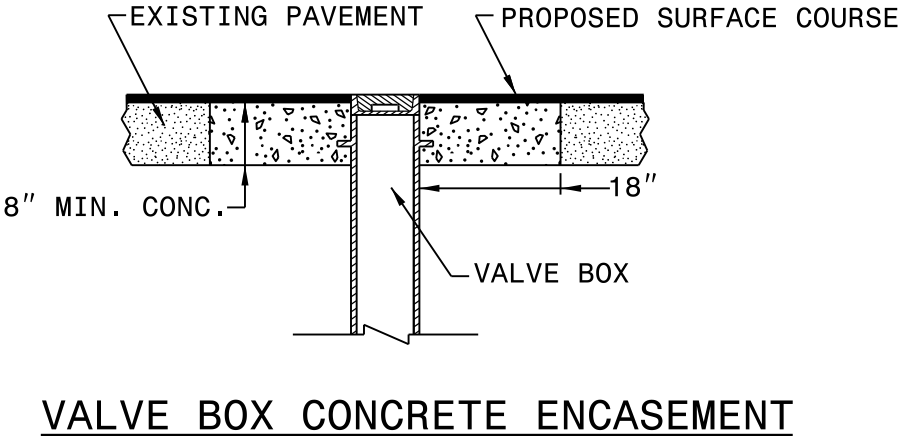
EFF. 01-16-2018
REV.

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.



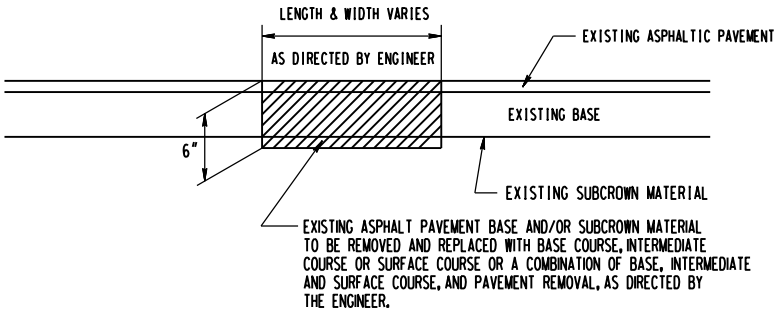
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

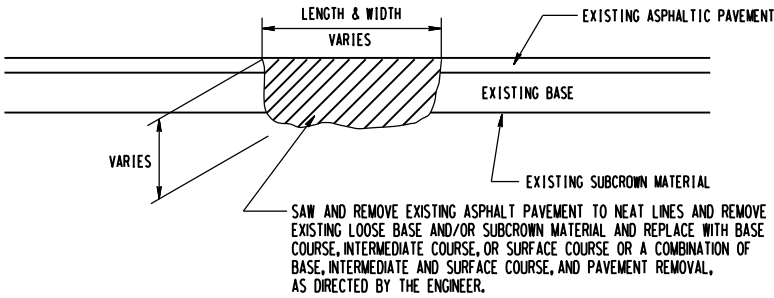
SHEET 1 OF 1
840D55

REVISIONS

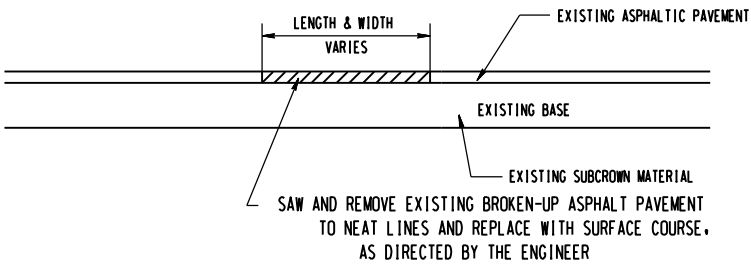
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR
TO RESURFACING FOR FULL DEPTH AND MILLING



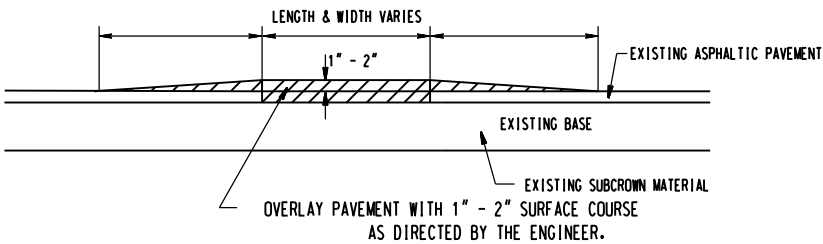
DETAIL NO. 1



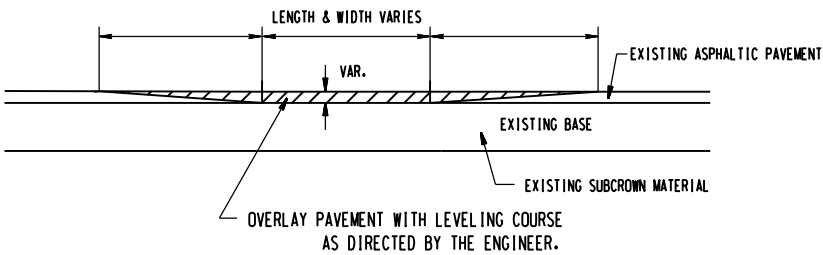
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4

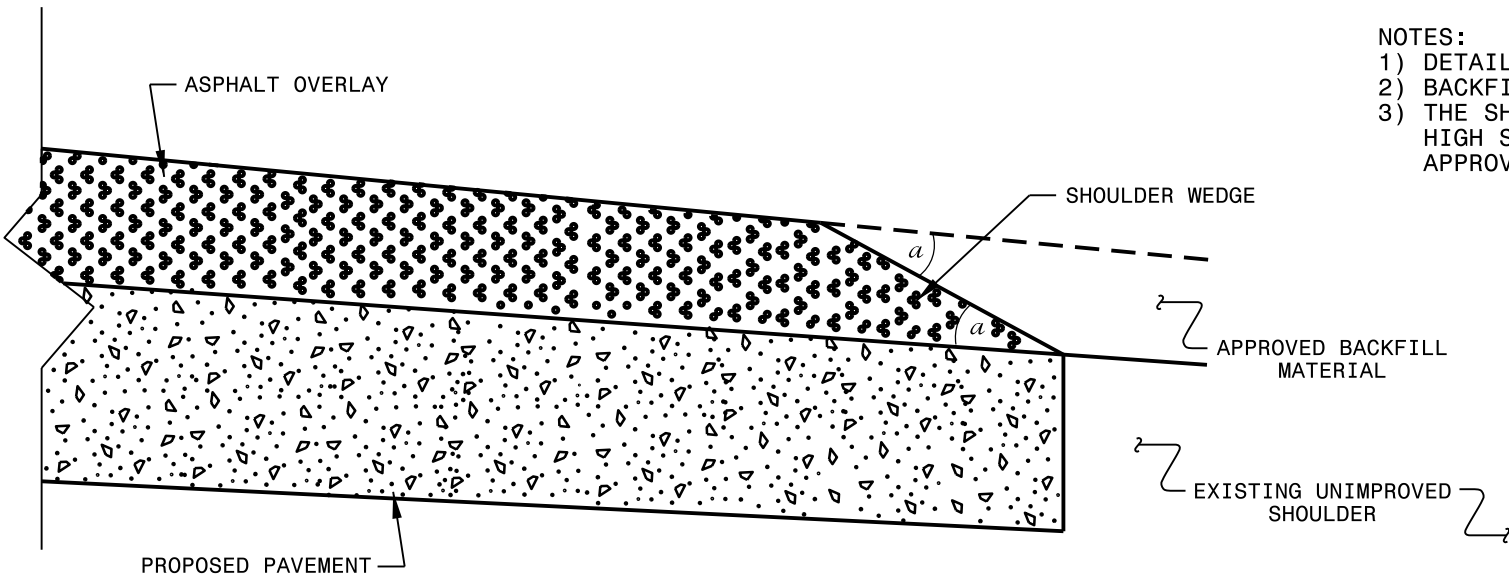


DETAIL NO. 5

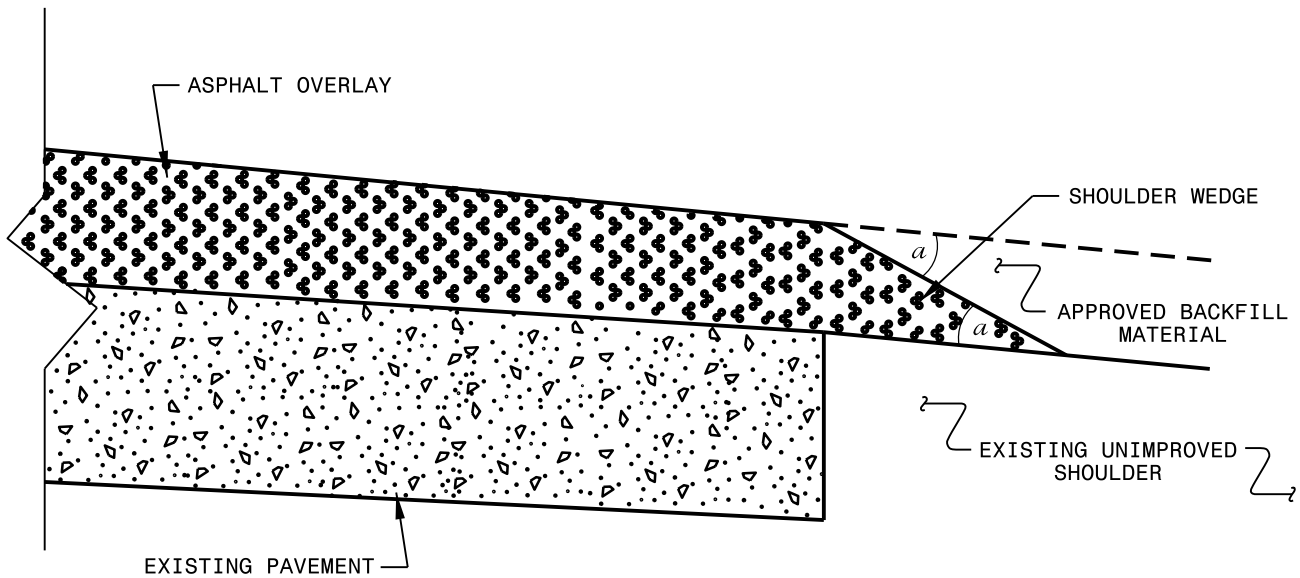
20-APP-2015-1155
F:\Users\jmkim\OneDrive\Documents\DETAIL_PSHS\Microsoft\Files\3CR.20711.173_Patch.dgn
\$\$\$\$\$
8/27/2015

REVISIONS

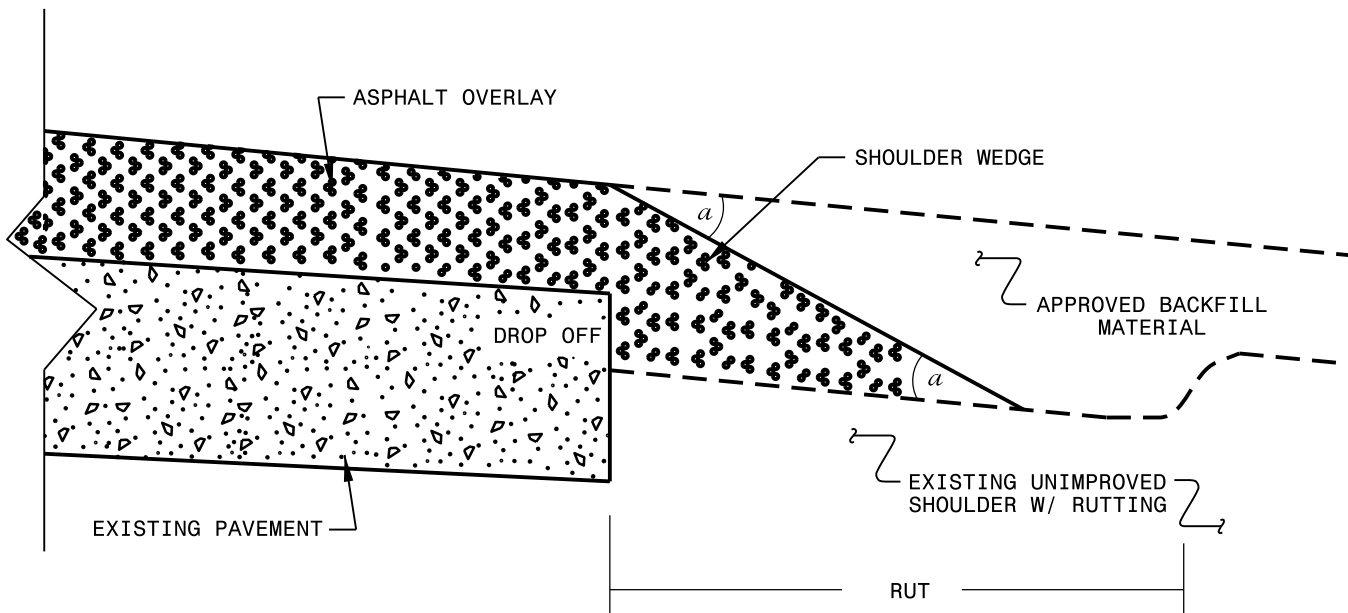
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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		

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

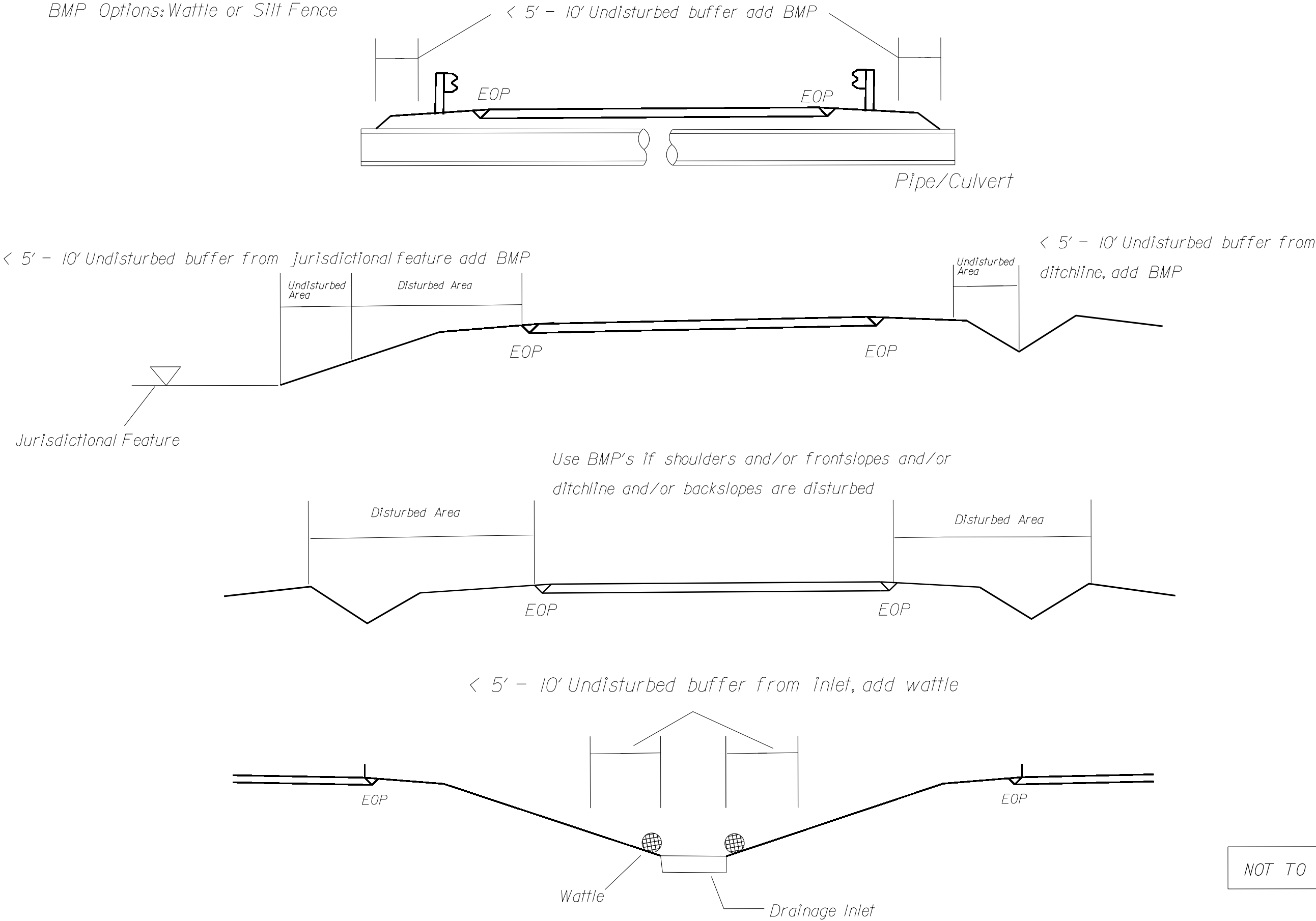
SOIL STABILIZATION TIMEFRAMES

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.

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

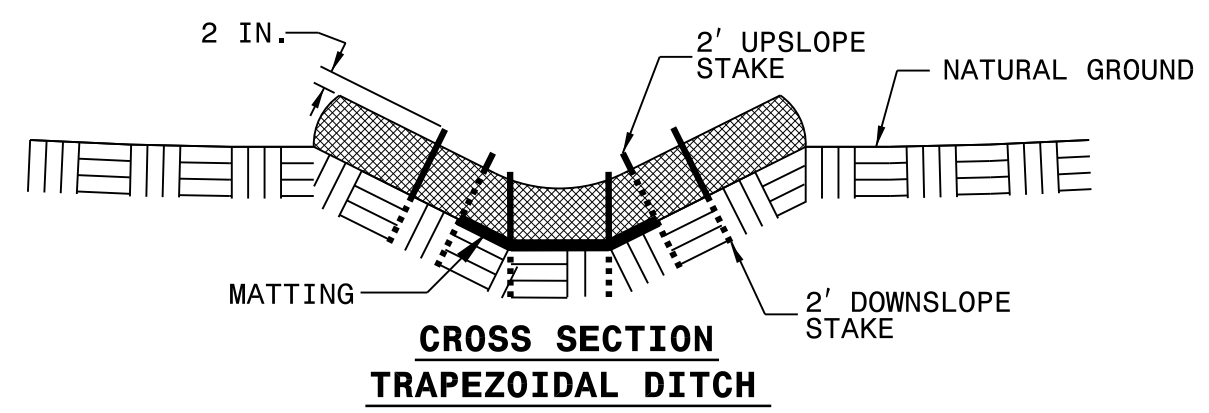
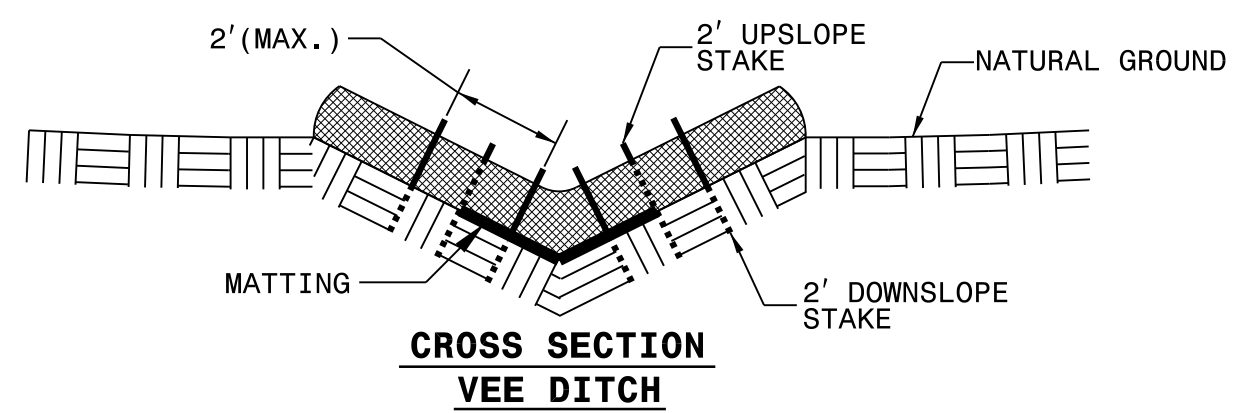
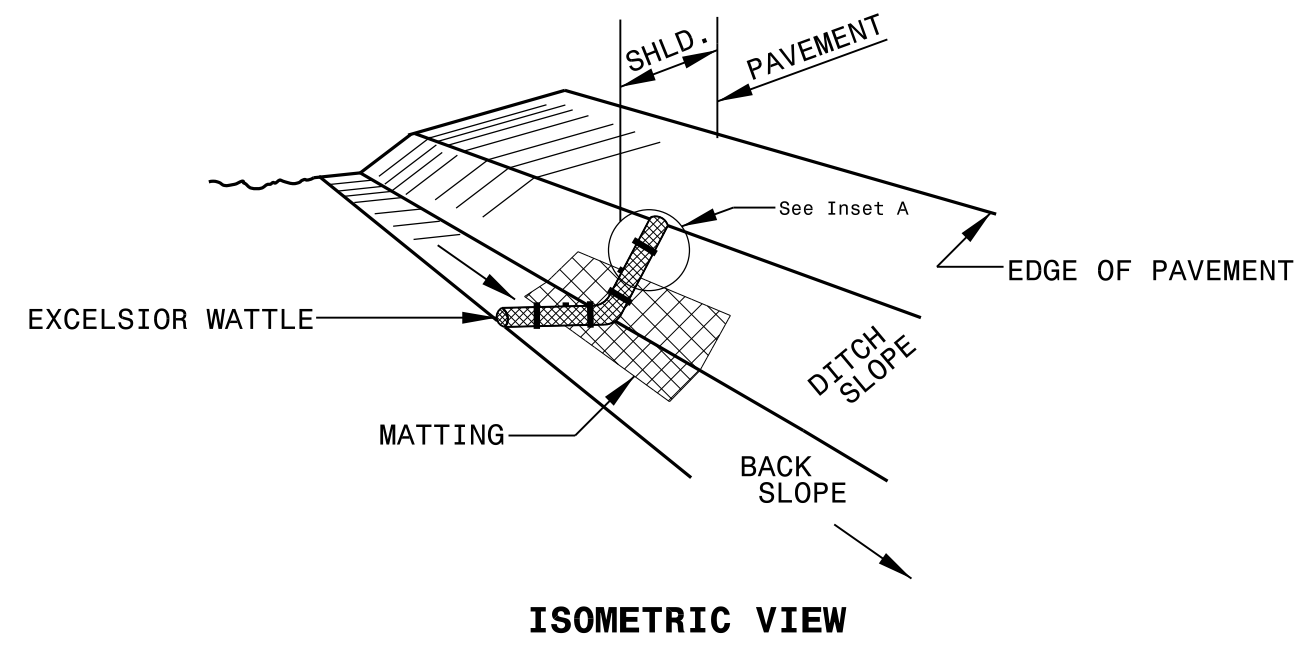
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL



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.

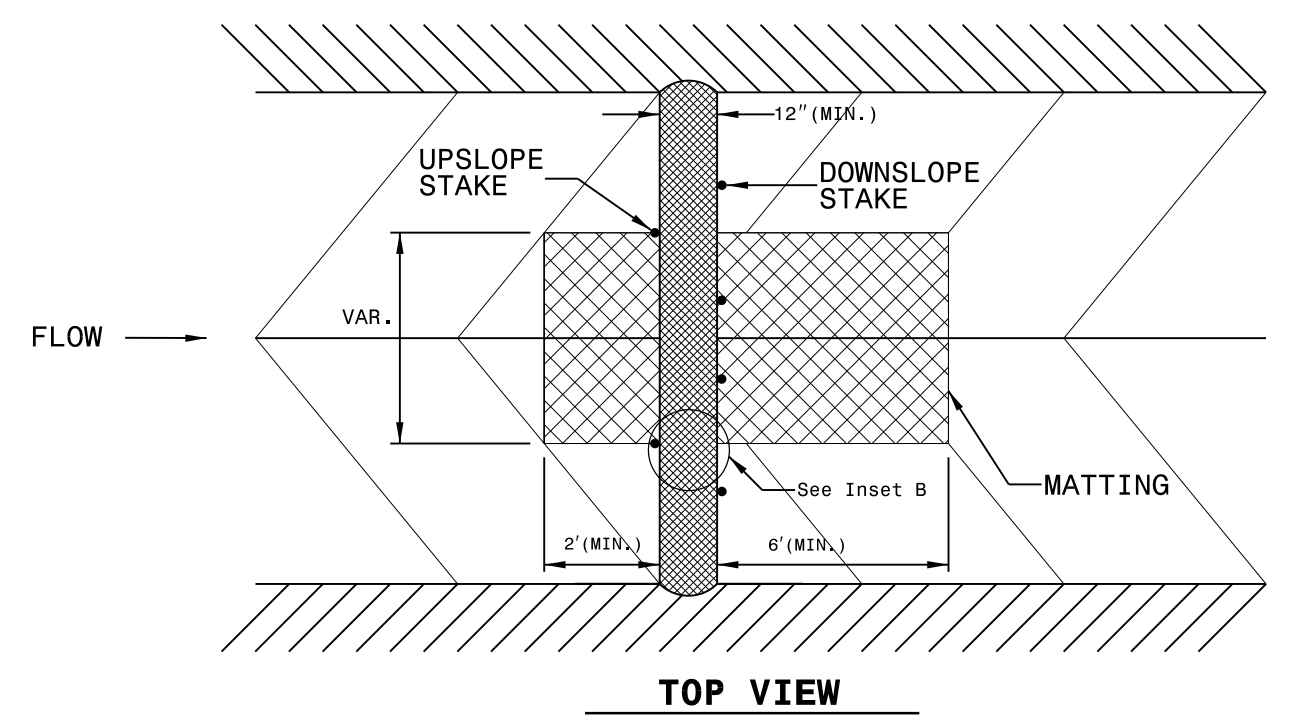
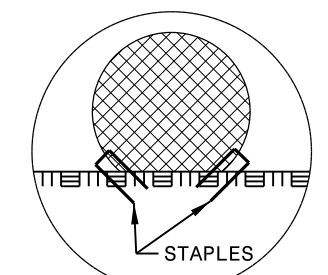
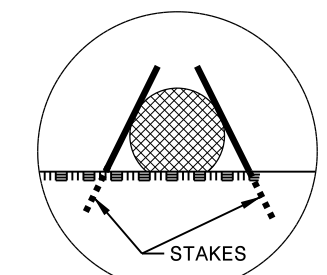
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.



IL-FEB-2015 11:41
D:\Resurfacing\2015 Resurfacing\Pender County\Plan Sheets\3CR.20711.173- EC RESURF_2015.dgn
User: jh
Sheet: 3

PROJECT NO.	SHEET NO.
2021CPT.03.32.10101, Etc.	8

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	0106000000-E BORROW EXCAVATION	0196000000-E GEOTEXTILE FOR SOIL STABILIZATION	1099500000-E SHALLOW UNDERCUT	1099700000-E CLASS IV SUBGRADE STABILIZATION	1220000000-E INCIDENTAL STONE BASE	1245000000-E SHOULDER RECONSTRUCTION	1308000000-E 0" - 1.5" MILLING (GENERIC)	1330000000-E INCIDENTAL MILLING	1491000000-E BASE COURSE, B25.0C	1519000000-E SURFACE COURSE, S9.5B	1526000000-E SURFACE COURSE, S4.75A
										MI	FT	CY	SY	CY	TON	TON	SMI	SY	SY	TONS	TON	TON
2021CPT.03.32.10101	Brunswick	1	NC 130 (HOLDEN BEACH ROAD SW)	FROM SR 1130 (MT. PISGAH RD.) TO 0.23 MILES E. OF EDGEWATER DRIVE SW (NON SYSTEM) [MP 4.41 - MP 8.24]	1	2 - 3	2WU	NO	NO	3.83	26 - 41	468				190	7.66		1,202	46	6,295	
TOTAL FOR MAP NO. 1										3.83		468				190	7.66		1,202	46	6,295	
2021CPT.03.32.10101	Brunswick	2	NC 179 BUSINESS (SHORELINE DRIVE)	FROM NC 179 (OLD GEORGETOWN RD.) TO 0.07 MILES S. OF SR 1172 (SUNSET BLVD. S.) [MP 0.03 - MP 3.55]	1,2	2 - 3	2WU	NO	NO	3.52	28 - 36	430				96	7.04	160	1,511		5,794	
TOTAL FOR MAP NO. 2										3.52		430				96	7.04	160	1,511		5,794	
TOTAL FOR PROJ NO. 2021CPT.03.32.10101										7.35		898				286	14.70	160	2,713	46	12,089	
2021CPT.03.32.20101	Brunswick	3	SR 1437 (OLD FAYETTEVILLE ROAD)	FROM SR 1472 (VILLAGE RD.) TO SR 1438 (LANVALE RD.) [MP 0.23 - MP 3.11]	1	2 - 3	2WU	NO	NO	2.88	26 - 34	290				62	3.80	143	4,381		2,770	
TOTAL FOR MAP NO. 3										2.88		290				62	3.80	143	4,381		2,770	
2021CPT.03.32.20101	Brunswick	4	SR 1438 (LANVALE ROAD)	FROM US 17 (OCEAN HWY.) TO SR 1472 (VILLAGE/FLETCHER RD.) [MP 0.04 - MP 3.81]	1	2	2WU	NO	NO	3.77	22	576					7.54		590		4,834	
TOTAL FOR MAP NO. 4										3.77		576					7.54		590		4,834	
2021CPT.03.32.20101	Brunswick	5	SR 1426 (MOUNT MISERY ROAD)	FROM SR 1428 (DOGWOOD RD. NE) TO SR 1472 (VILLAGE RD.) [MP 3.80 - MP 8.89]	1	2	2WU	NO	NO	5.09	24	156				126	10.18		2,282		5,664	
TOTAL FOR MAP NO. 5										5.09		156				126	10.18		2,282		5,664	
TOTAL FOR PROJ NO. 2021CPT.03.32.20101										11.74		1,022				188	21.52	143	7,253		13,268	
2021CPT.03.32.20102	Brunswick	6	SR 1340 (CAMP BRANCH ROAD)	FROM SR 1342 (MAKATOKA RD. NW) TO NC 211 HWY. (GREENSWAMP RD.) [MP 4.15 - MP 10.08]	N/A	2	2WU	NO	NO	5.93	18		4,500	750	905							
TOTAL FOR MAP NO. 6										5.93			4,500	750	905							
2021CPT.03.32.20102	Brunswick	7	SR 1487 (KING ROAD NORTHEAST)	FROM SR 1438 (LANVALE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.33]	3	2	2WU	NO	NO	0.33	18											198
TOTAL FOR MAP NO. 7										0.33												198
TOTAL FOR PROJ NO. 2021CPT.03.32.20102										6.26			4,500	750	905							198
GRAND TOTAL										25.35		1,920	4,500	750	905	474	36.22	303	9,966	46	25,357	198

PROJECT NO.	SHEET NO.
2021CPT.03.32.10101, Etc.	10

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	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N	7444000000-E
												1/4" HARDWARE CLOTH	WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL	INDUCTIVE LOOP SAWCUT
										MI	FT	LF	LF	AC	LB	TON	EA	LF
2021CPT.03.32.10101	Brunswick	1	NC 130 (HOLDEN BEACH ROAD SW)	FROM SR 1130 (MT. PISGAH RD.) TO 0.23 MILES E. OF EDGEWATER DRIVE SW (NON SYSTEM) [MP 4.41 - MP 8.24]	1	2 - 3	2WU	NO	NO	3.83	26 - 41	192	60	3.71	192	0.96	3	1,500
TOTAL FOR MAP NO. 1										3.83		192	60	3.71	192	0.96	3	1,500
2021CPT.03.32.10101	Brunswick	2	NC 179 BUSINESS (SHORELINE DRIVE)	FROM NC 179 (OLD GEORGETOWN RD.) TO 0.07 MILES S. OF SR 1172 (SUNSET BLVD. S.) [MP 0.03 - MP 3.55]	1,2	2 - 3	2WU	NO	NO	3.52	28 - 36	176	60	3.41	176	0.88	3	
TOTAL FOR MAP NO. 2										3.52		176	60	3.41	176	0.88	3	
TOTAL FOR PROJ NO. 2021CPT.03.32.10101										7.35		368	120	7.12	368	1.84	6	1,500
2021CPT.03.32.20101	Brunswick	3	SR 1437 (OLD FAYETTEVILLE ROAD)	FROM SR 1472 (VILLAGE RD.) TO SR 1438 (LANVALE RD.) [MP 0.23 - MP 3.11]	1	2 - 3	2WU	NO	NO	2.88	26 - 34	100	30	1.84	95	0.48	4	500
TOTAL FOR MAP NO. 3										2.88		100	30	1.84	95	0.48	4	500
2021CPT.03.32.20101	Brunswick	4	SR 1438 (LANVALE ROAD)	FROM US 17 (OCEAN HWY.) TO SR 1472 (VILLAGE/FLETCHER RD.) [MP 0.04 - MP 3.81]	1	2	2WU	NO	NO	3.77	22	189	60	3.66	189	0.94	8	1,000
TOTAL FOR MAP NO. 4										3.77		189	60	3.66	189	0.94	8	1,000
2021CPT.03.32.20101	Brunswick	5	SR 1426 (MOUNT MISERY ROAD)	FROM SR 1428 (DOGWOOD RD. NE) TO SR 1472 (VILLAGE RD.) [MP 3.80 - MP 8.89]	1	2	2WU	NO	NO	5.09	24	255	80	4.94	255	1.27	10	
TOTAL FOR MAP NO. 5										5.09		255	80	4.94	255	1.27	10	
TOTAL FOR PROJ NO. 2021CPT.03.32.20101										11.74		544	170	10.44	539	2.69	22	1,500
2021CPT.03.32.20102	Brunswick	6	SR 1340 (CAMP BRANCH ROAD)	FROM SR 1342 (MAKATOKA RD. NW) TO NC 211 HWY. (GREENSWAMP RD.) [MP 4.15 - MP 10.08]	N/A	2	2WU	NO	NO	5.93	18							
TOTAL FOR MAP NO. 6										5.93								
2021CPT.03.32.20102	Brunswick	7	SR 1487 (KING ROAD NORTHEAST)	FROM SR 1438 (LANVALE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.33]	3	2	2WU	NO	NO	0.33	18							
TOTAL FOR MAP NO. 7										0.33								
TOTAL FOR PROJ NO. 2021CPT.03.32.20102										6.26								
GRAND TOTAL										25.35		912	290	17.56	907	4.53	28	3,000

PROJECT NO.	SHEET NO.
2021CPT.03.32.10101, Etc.	11

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E WORK ZONE ADVANCE/G ENERAL WARNING SIGNING	4457000000-N TEMPORARY TRAFFIC CONTROL	4510000000-N LAW ENFORCEMENT	4685000000-E		4695000000-E	4700000000-E	4720000000-E			4725000000-E			
													4" X 90 M YELLOW THERMO	4" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	12" X 90 M YELLOW THERMO	THERMO MSG ONLY (90 MIL)	THERMO MSG SCHOOL (90 MIL)	THERMO RXR (90 MIL)	THERMO STR ARROW (90 MIL)	THERMO LT ARROW (90 MIL)	THERMO RT ARROW (90 MIL)	THERMO STR & RT ARROW (90 MIL)
								MI	FT	SF	LS	HR	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA
2021CPT.03.32.10101	Brunswick	1	NC 130 (HOLDEN BEACH ROAD SW)	FROM SR 1130 (MT. PISGAH RD.) TO 0.23 MILES E. OF EDGEWATER DRIVE SW (NON SYSTEM) [MP 4.41 - MP 8.24]	1	2 - 3	2WU	3.83	26 - 41	432	0.15	80	34,376	42,425		413				3	5	2	7
TOTAL FOR MAP NO. 1								3.83		432	0.15	80	34,376	42,425		413				3	5	2	7
2021CPT.03.32.10101	Brunswick	2	NC 179 BUSINESS (SHORELINE DRIVE)	FROM NC 179 (OLD GEORGETOWN RD.) TO 0.07 MILES S. OF SR 1172 (SUNSET BLVD. S.) [MP 0.03 - MP 3.55]	1,2	2 - 3	2WU	3.52	28 - 36	400	0.13		40,594	37,875	65	770	4			3	13	15	2
TOTAL FOR MAP NO. 2								3.52		400	0.13		40,594	37,875	65	770	4			3	13	15	2
TOTAL FOR PROJ NO. 2021CPT.03.32.10101								7.35		832	0.28	80	74,970	80,300	65	1,183	4			6	18	17	9
													155,270				4			50			
2021CPT.03.32.20101	Brunswick	3	SR 1437 (OLD FAYETTEVILLE ROAD)	FROM SR 1472 (VILLAGE RD.) TO SR 1438 (LANVALE RD.) [MP 0.23 - MP 3.11]	1	2 - 3	2WU	2.88	26 - 34	320	0.12	40	20,538	21,053	750			18		1	5	5	
TOTAL FOR MAP NO. 3								2.88		320	0.12	40	20,538	21,053	750			18		1	5	5	
2021CPT.03.32.20101	Brunswick	4	SR 1438 (LANVALE ROAD)	FROM US 17 (OCEAN HWY.) TO SR 1472 (VILLAGE/FLETCHER RD.) [MP 0.04 - MP 3.81]	1	2	2WU	3.77	22	416	0.15	40	33,960	40,565	867			4			11	6	
TOTAL FOR MAP NO. 4								3.77		416	0.15	40	33,960	40,565	867			4			11	6	
2021CPT.03.32.20101	Brunswick	5	SR 1426 (MOUNT MISERY ROAD)	FROM SR 1428 (DOGWOOD RD. NE) TO SR 1472 (VILLAGE RD.) [MP 3.80 - MP 8.89]	1	2	2WU	5.09	24	576	0.19		54,475	46,533	1,044	206			4	10	12	1	3
TOTAL FOR MAP NO. 5								5.09		576	0.19		54,475	46,533	1,044	206			4	10	12	1	3
TOTAL FOR PROJ NO. 2021CPT.03.32.20101								11.74		1,312	0.46	80	108,973	108,151	2,661	206		18	8	11	28	12	3
													217,124				26			54			
2021CPT.03.32.20102	Brunswick	6	SR 1340 (CAMP BRANCH ROAD)	FROM SR 1342 (MAKATOKA RD. NW) TO NC 211 HWY. (GREENSWAMP RD.) [MP 4.15 - MP 10.08]	N/A	2	2WU	5.93	18	672	0.22												
TOTAL FOR MAP NO. 6								5.93		672	0.22												
2021CPT.03.32.20102	Brunswick	7	SR 1487 (KING ROAD NORTHEAST)	FROM SR 1438 (LANVALE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.33]	3	2	2WU	0.33	18		0.04												
TOTAL FOR MAP NO. 7								0.33			0.04												
TOTAL FOR PROJ NO. 2021CPT.03.32.20102								6.26		672	0.26												
GRAND TOTAL								25.35		2,816	1.00	160	183,943	188,451	2,726	1,389	4	18	8	17	46	29	12
													372,394				30			104			

PROJECT NO.	SHEET NO.
2021CPT.03.32.10101, Etc.	12

THERMOPLASTIC AND PAINT QUANTITIES

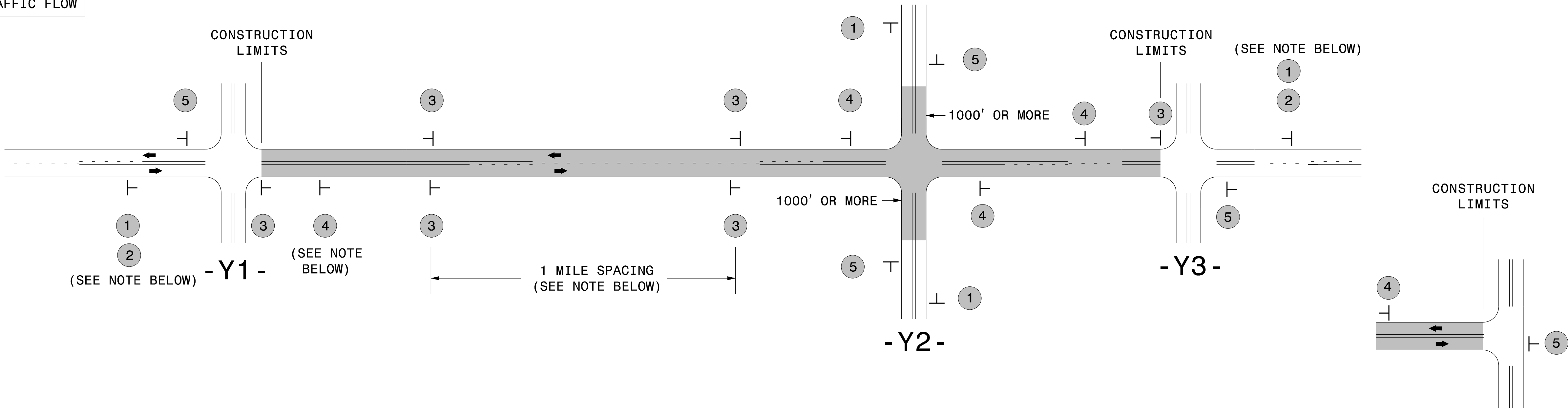
										4810000000-E		4850000000-E	4891000000-E		4895000000-N		4900000000-N	
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4" WHITE PAINT	4" YELLOW PAINT	REMOVAL OF PAVEMENT MARKING LINES (4")	GENERIC MARKING, 24" X 90 M WHITE THERMO	GENERIC MARKING, 16 X 90 M WHITE THERMO	NON CAST IRON SNOWPLOWABLE MARKERS (C/R)	NON CAST IRON SNOWPLOWABLE MARKERS (Y/Y)	YELLOW & YELLOW MARKERS	CRYSTAL & RED MARKERS
								MI	FT	LF	LF		LF	LF	LF	EA	EA	EA
2021CPT.03.32.10101	Brunswick	1	NC 130 (HOLDEN BEACH ROAD SW)	FROM SR 1130 (MT. PISGAH RD.) TO 0.23 MILES E. OF EDGEWATER DRIVE SW (NON SYSTEM) [MP 4.41 - MP 8.24]	1	2 - 3	2WU	3.83	26 - 41				245		30	344	6	4
TOTAL FOR MAP NO. 1								3.83					245		30	344	6	4
2021CPT.03.32.10101	Brunswick	2	NC 179 BUSINESS (SHORELINE DRIVE)	FROM NC 179 (OLD GEORGETOWN RD.) TO 0.07 MILES S. OF SR 1172 (SUNSET BLVD. S.) [MP 0.03 - MP 3.55]	1,2	2 - 3	2WU	3.52	28 - 36	1,200	1,200	1,200	70		41	375	4	
TOTAL FOR MAP NO. 2								3.52		1,200	1,200	1,200	70		41	375	4	
TOTAL FOR PROJ NO. 2021CPT.03.32.10101								7.35		1,200	1,200	1,200	315		71	719	10	4
										2,400			315		790		14	
2021CPT.03.32.20101	Brunswick	3	SR 1437 (OLD FAYETTEVILLE ROAD)	FROM SR 1472 (VILLAGE RD.) TO SR 1438 (LANVALE RD.) [MP 0.23 - MP 3.11]	1	2 - 3	2WU	2.88	26 - 34	1,400	1,400	1,400	175				289	34
TOTAL FOR MAP NO. 3								2.88		1,400	1,400	1,400	175				289	34
2021CPT.03.32.20101	Brunswick	4	SR 1438 (LANVALE ROAD)	FROM US 17 (OCEAN HWY.) TO SR 1472 (VILLAGE/FLETCHER RD.) [MP 0.04 - MP 3.81]	1	2	2WU	3.77	22				150	80			389	68
TOTAL FOR MAP NO. 4								3.77					150	80			389	68
2021CPT.03.32.20101	Brunswick	5	SR 1426 (MOUNT MISERY ROAD)	FROM SR 1428 (DOGWOOD RD. NE) TO SR 1472 (VILLAGE RD.) [MP 3.80 - MP 8.89]	1	2	2WU	5.09	24				150	80			656	47
TOTAL FOR MAP NO. 5								5.09					150	80			656	47
TOTAL FOR PROJ NO. 2021CPT.03.32.20101								11.74		1,400	1,400	1,400	475	160			1,334	149
										2,800			635				1,483	
2021CPT.03.32.20102	Brunswick	6	SR 1340 (CAMP BRANCH ROAD)	FROM SR 1342 (MAKATOKA RD. NW) TO NC 211 HWY. (GREENSWAMP RD.) [MP 4.15 - MP 10.08]	N/A	2	2WU	5.93	18	1,000	1,000							
TOTAL FOR MAP NO. 6								5.93		1,000	1,000							
2021CPT.03.32.20102	Brunswick	7	SR 1487 (KING ROAD NORTHEAST)	FROM SR 1438 (LANVALE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.33]	3	2	2WU	0.33	18									
TOTAL FOR MAP NO. 7								0.33										
TOTAL FOR PROJ NO. 2021CPT.03.32.20102								6.26		1,000	1,000							
										2,000								
GRAND TOTAL								25.35		3,600	3,600	2,600	790	160	71	719	1,344	153
										7,200			950		790		1,497	

SIGNING FOR RESURFACING PROJECTS

LEGEND

STATIONARY SIGN

DIRECTION OF TRAFFIC FLOW

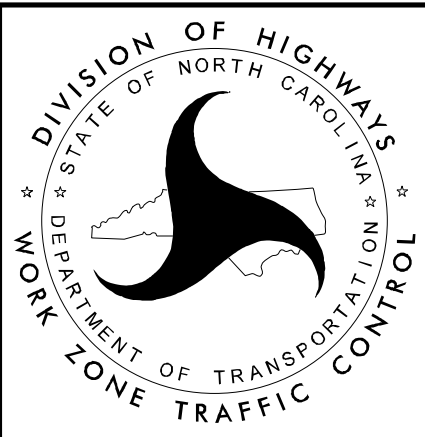


TEE INTERSECTION

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1 ROAD WORK AHEAD W20-1 48" X 48" NEXT XX MILES W7-3aP 24" X 18" PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. #2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)	NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS: 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK. ROAD WORK AHEAD W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. WORK ZONE TRAFFIC CONTROL STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER.
	3 LOW/SOFT SHOULDER SP 13107 48" X 48" - 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 ROAD UNDER CONST SP 13106 48" X 48" - THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. - FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. - A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	5 END ROAD WORK G20-2 A 48" X 24" PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	
	THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.	
LESS 2 MILES	FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.	



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