

WBS NO: 2027CPT.01.04.10371, ETC.

CONTRACT: DA00685

STATE OF NORTH CAROLINA

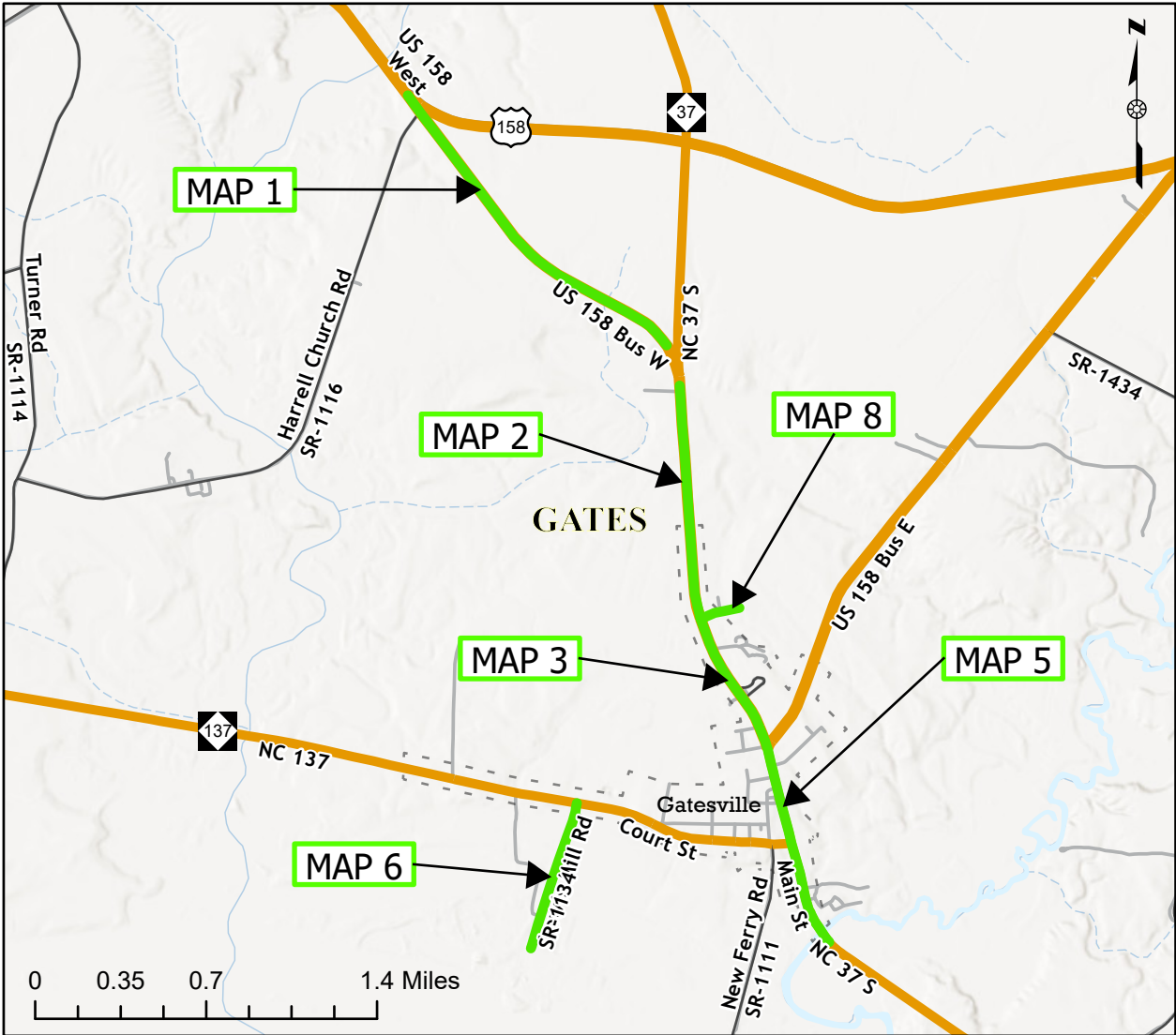
DIVISION OF HIGHWAYS

GATES

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.01.04.10371, ETC.	1
STATE PROJECT NUMBER		DESCRIPTION
2027CPT.01.04.10371		P.E., CONST.
2027CPT.01.04.20371		P.E., CONST.
2027CPT.01.04.20372		P.E., CONST.

TYPE OF WORK: MILLING, RESURFACING, & SHOULDER RECONSTRUCTION

MAP	ROUTE	FROM	TO
01	US 158 Bus.	US 158	NC 37
02	US 158 Bus.	US 158 MP 1.34	SR 1437 (Savage St.)
03	US 158 Bus.	SR 1437 (Savage St.)	NC 37
05	NC 37	Bridge #13	US 158 Bus.
06	SR 1134 (Lewis Mill Rd.)	NC 137	End of Maintenance
08	SR 1437 (Savage St.)	NC 37	End of Pavement



PROJECT LENGTH

MAP	MILES	MAP	MILES
01	1.2	05	0.67
02	0.77	06	0.5
03	0.48	08	0.13

Prepared in the Office of:
DIVISION OF HIGHWAYS
113 AIRPORT DR., EDENTON, NC 27932

B. N. BRASWELL, PE
DIV. PROJ. DEVELOPMENT ENGINEER

M. S. WINSLOW
DIVISION CONTRACT ENGINEER

D. J. CLODGO, PE, PMP
DIVISION PROJECT TEAM LEAD

D. H. STALLINGS
DIVISION DESIGN ENGINEER



WBS NO: 2027CPT.01.04.10371, ETC.

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STATE OF NORTH CAROLINA

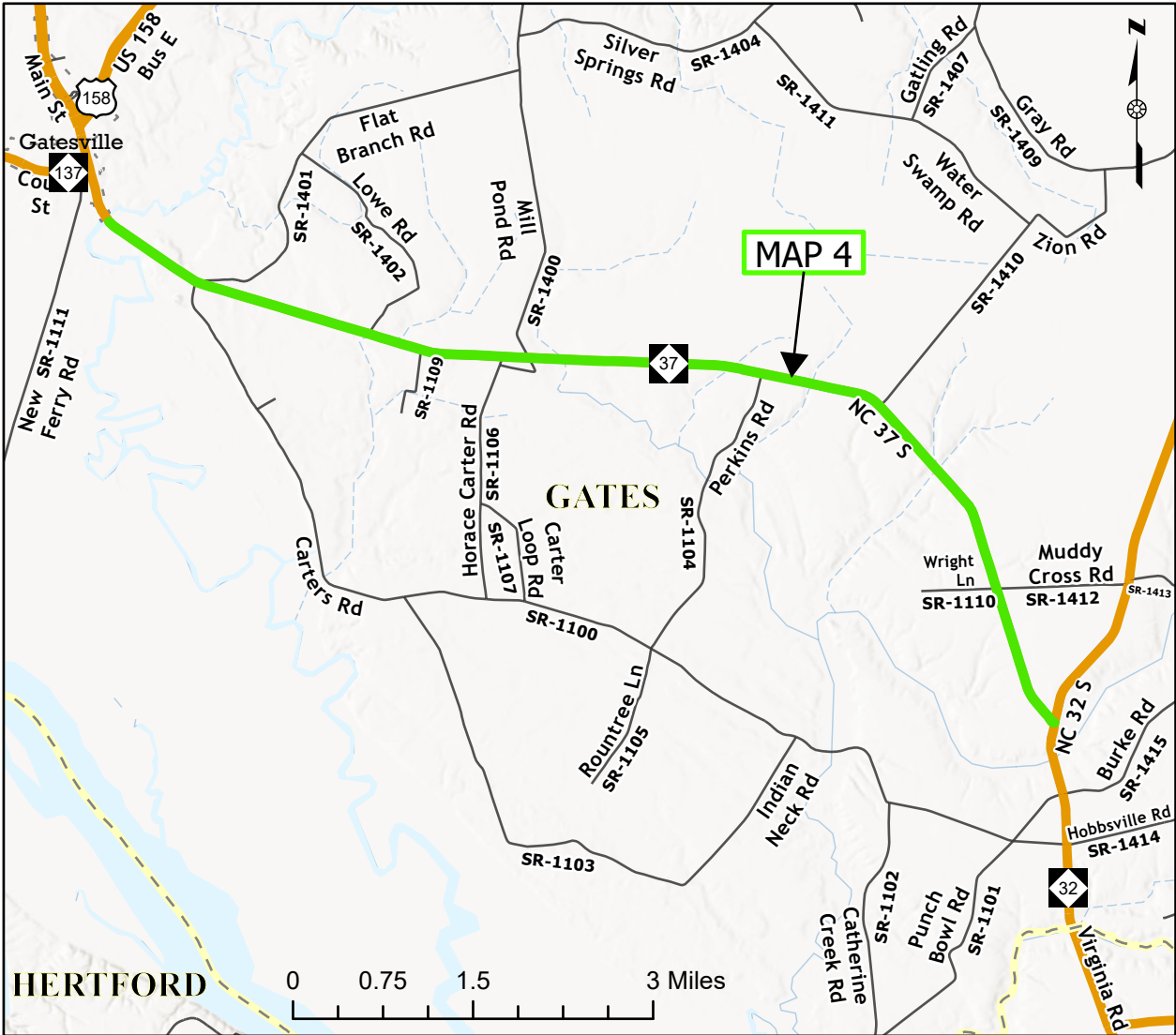
DIVISION OF HIGHWAYS

GATES

TYPE OF WORK: MILLING & RESURFACING

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.01.04.10371, ETC.	2
STATE PROJECT NUMBER		DESCRIPTION
2027CPT.01.04.10371		P.E., CONST.

MAP	ROUTE	FROM	TO
04	NC 37	NC 32	Bridge #13



PROJECT LENGTH

MAP	MILES
04	7.89

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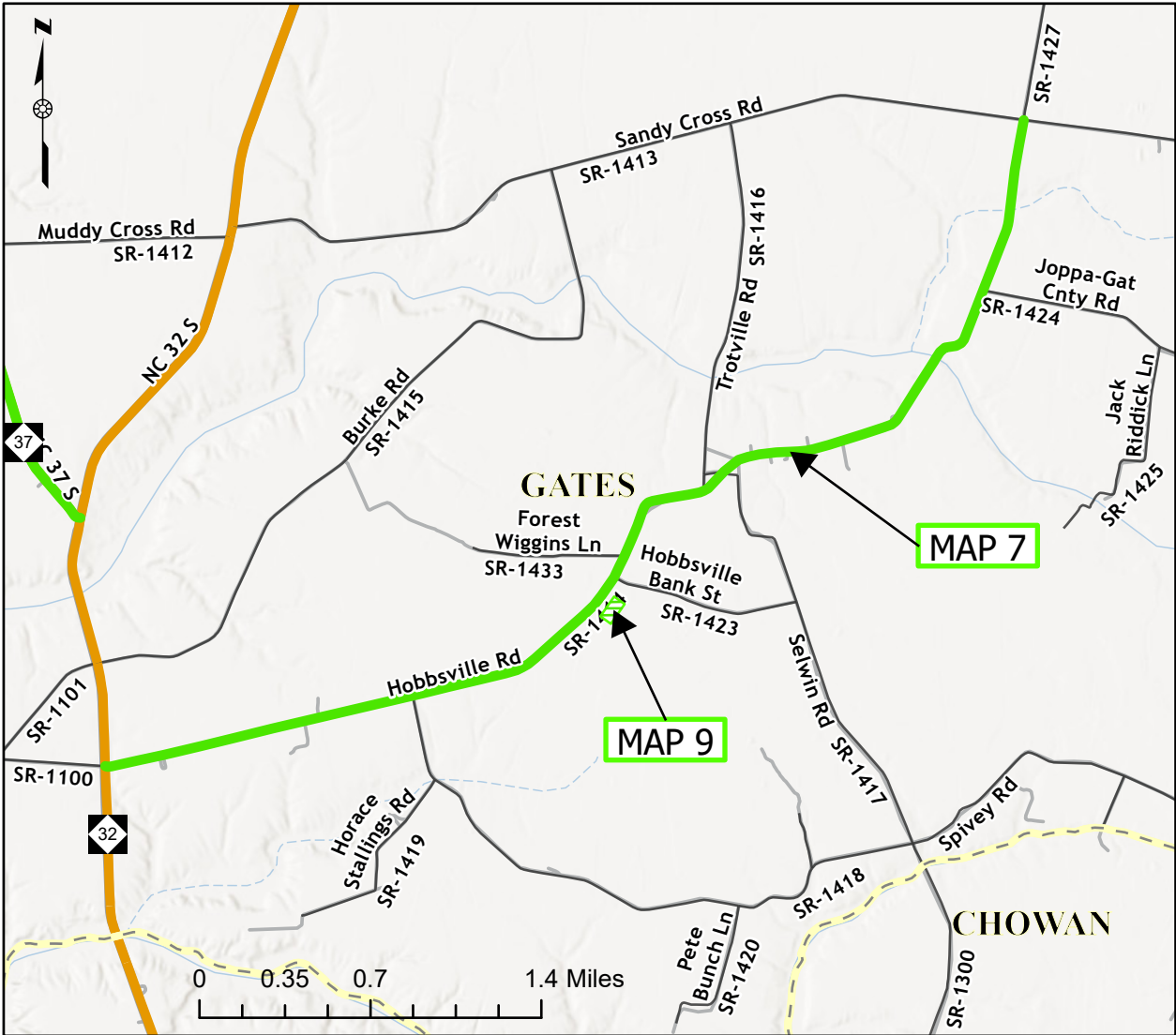
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

GATES

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2027CPT.01.04.10371, ETC.	3
STATE PROJECT NUMBER		DESCRIPTION
2027CPT.01.04.20371		P.E., CONST.
2027CPT.01.04.20372		P.E., CONST.

TYPE OF WORK: MILLING, RESURFACING, & SHOULDER RECONSTRUCTION

MAP	ROUTE	FROM	TO
04	NC 37	NC 32	Bridge #13
07	SR 1414 (Hobbsville Rd.)	NC 32	SR 1413 (Sandy Cross Rd.)



PROJECT LENGTH

MAP	MILES
04	7.89
07	4.11

Prepared in the Office of:
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113 AIRPORT DR., EDENTON, NC 27932

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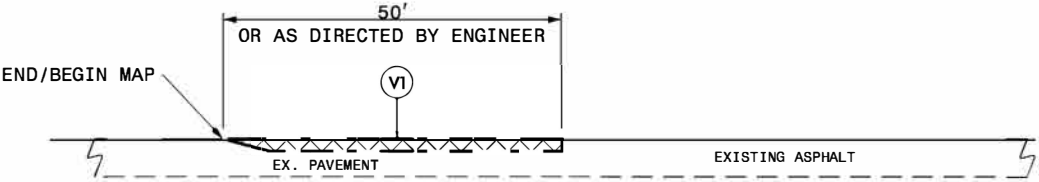


PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V2	MILLING ASPHALT PAVEMENT, 1.5" DEPTH
U	EXISTING PAVEMENT
V1	INCIDENTAL MILLING

NOTES:

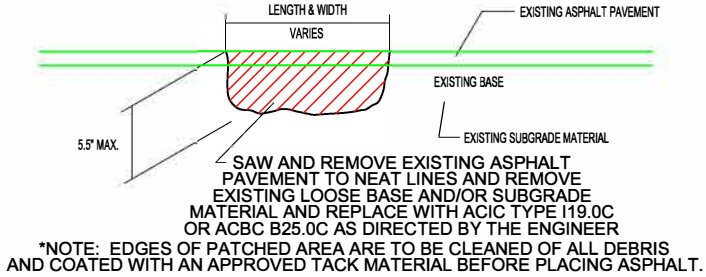
- * ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- * 1.5" OF S9.5C TO BE APPLIED THE FULL WIDTH OF THE ROADWAY
- * INCIDENTAL MILLING AND PATCHING WILL NOT BE PERFORMED ON MAP #2
- * SHOULDER WEDGE IS TO BE USED ON ALL ROADS 22' OR WIDER OR AS DIRECTED BY THE ENGINEER
- * CONTRACTOR IS TO PERFORM PATCHING EXISTING PAVEMENT, FULL DEPTH BEFORE APPLICATION OF 1.5" S9.5C
- * AN MTV IS REQUIRED ON MAP 1, 2, 4, & 5



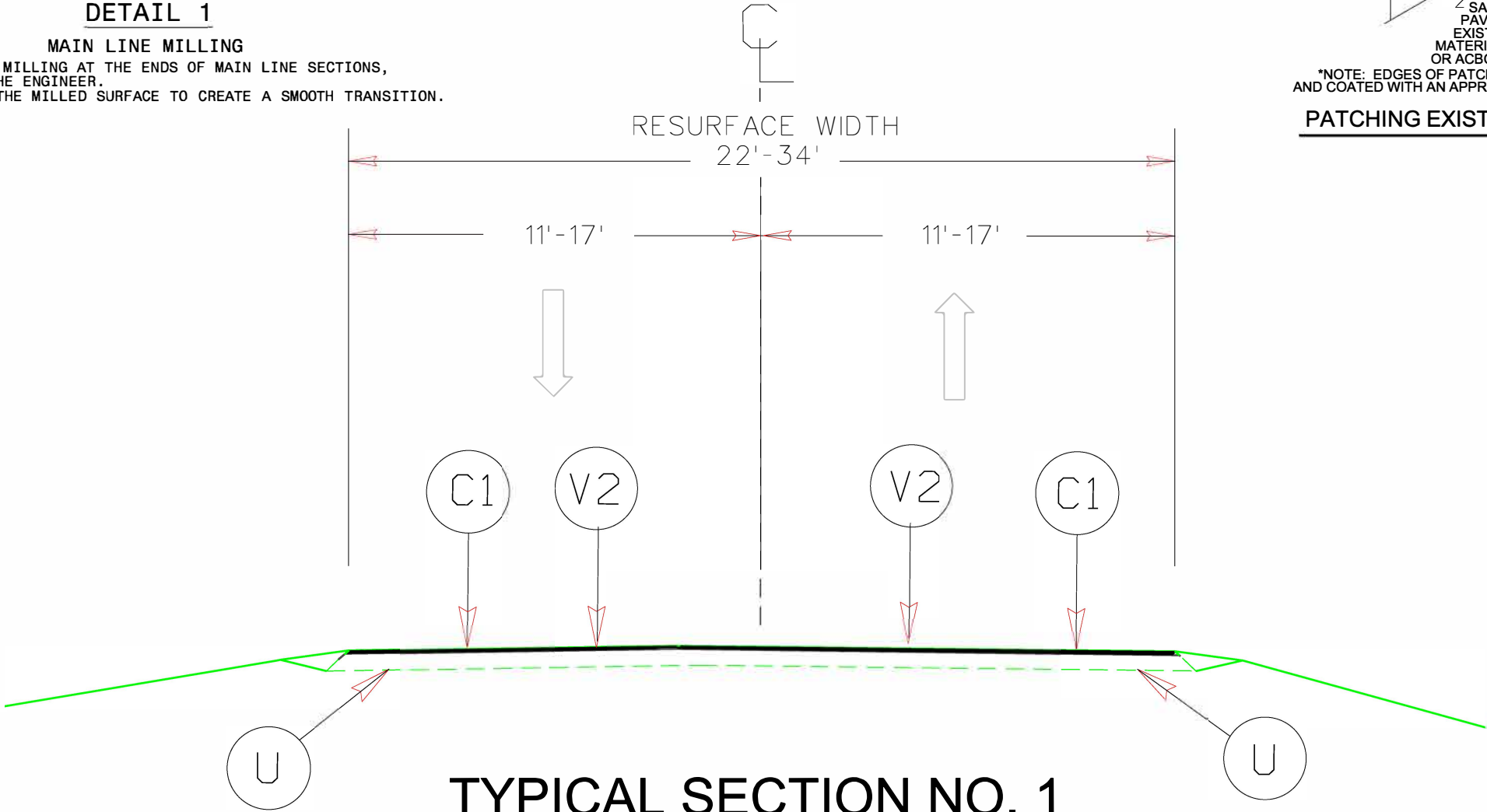
DETAIL 1

MAIN LINE MILLING

- NOTE:
1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS, OR AS DIRECTED BY THE ENGINEER.
 2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.



PATCHING EXISTING PAVEMENT (FULL DEPTH)



TYPICAL SECTION NO. 1

USE WITH MAPS 1, 2, 4, & 5

NTS

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING
U	EXISTING PAVEMENT
V3	MILLING ASPHALT PAVEMENT, 3" DEPTH

NOTES:

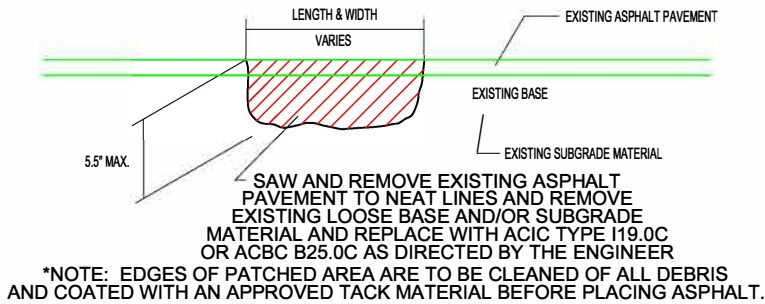
- * ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- * CONTRACTOR IS TO MILL 3" AND ONLY PAVE BACK 1.5". ELEVATION OF EXISTING EDGE OF PAVEMENT IS WELL ABOVE LEVEL OF CURRENT CURB.
- * CONTRACTOR IS TO PERFORM PATCHING EXISTING PAVEMENT, FULL DEPTH BEFORE APPLICATION OF 1.5" OF S9.5C
- * AN MTV IS REQUIRED FOR MAP #3

PROJECT REFERENCE NO.

SHEET NO.

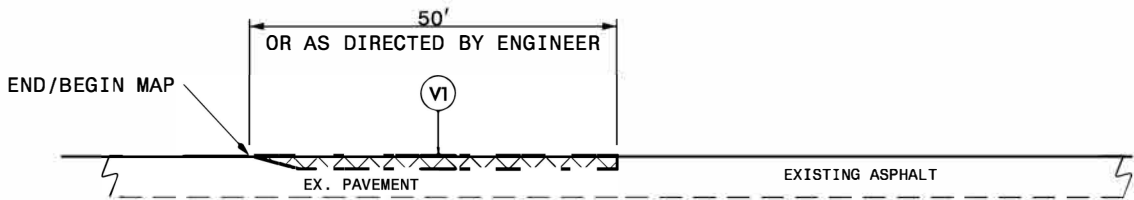
2027CPT.01.04.10371, ETC.

5



*NOTE: EDGES OF PATCHED AREA ARE TO BE CLEANED OF ALL DEBRIS AND COATED WITH AN APPROVED TACK MATERIAL BEFORE PLACING ASPHALT.

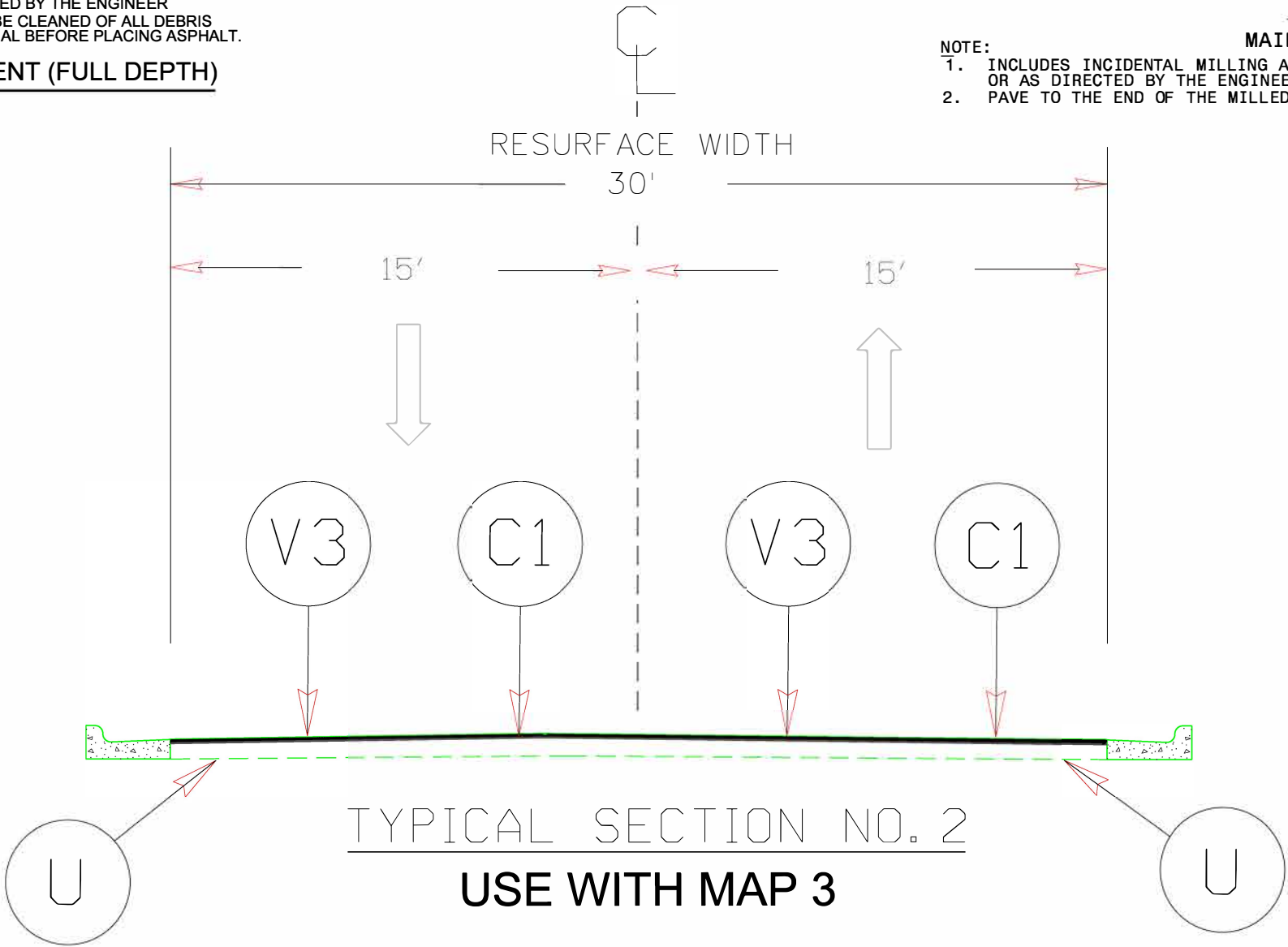
PATCHING EXISTING PAVEMENT (FULL DEPTH)



DETAIL 1

MAIN LINE MILLING

- NOTE:
1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS, OR AS DIRECTED BY THE ENGINEER.
 2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.



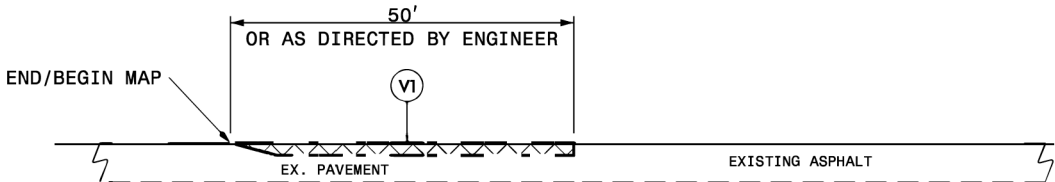
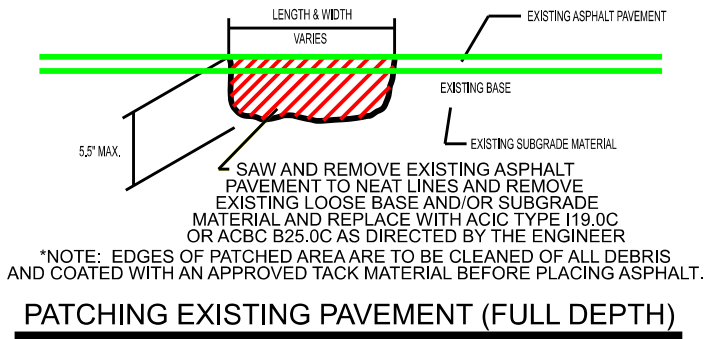
USE WITH MAP 3

PAVEMENT SCHEDULE	
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
T	SHOULDER RECONSTRUCTION

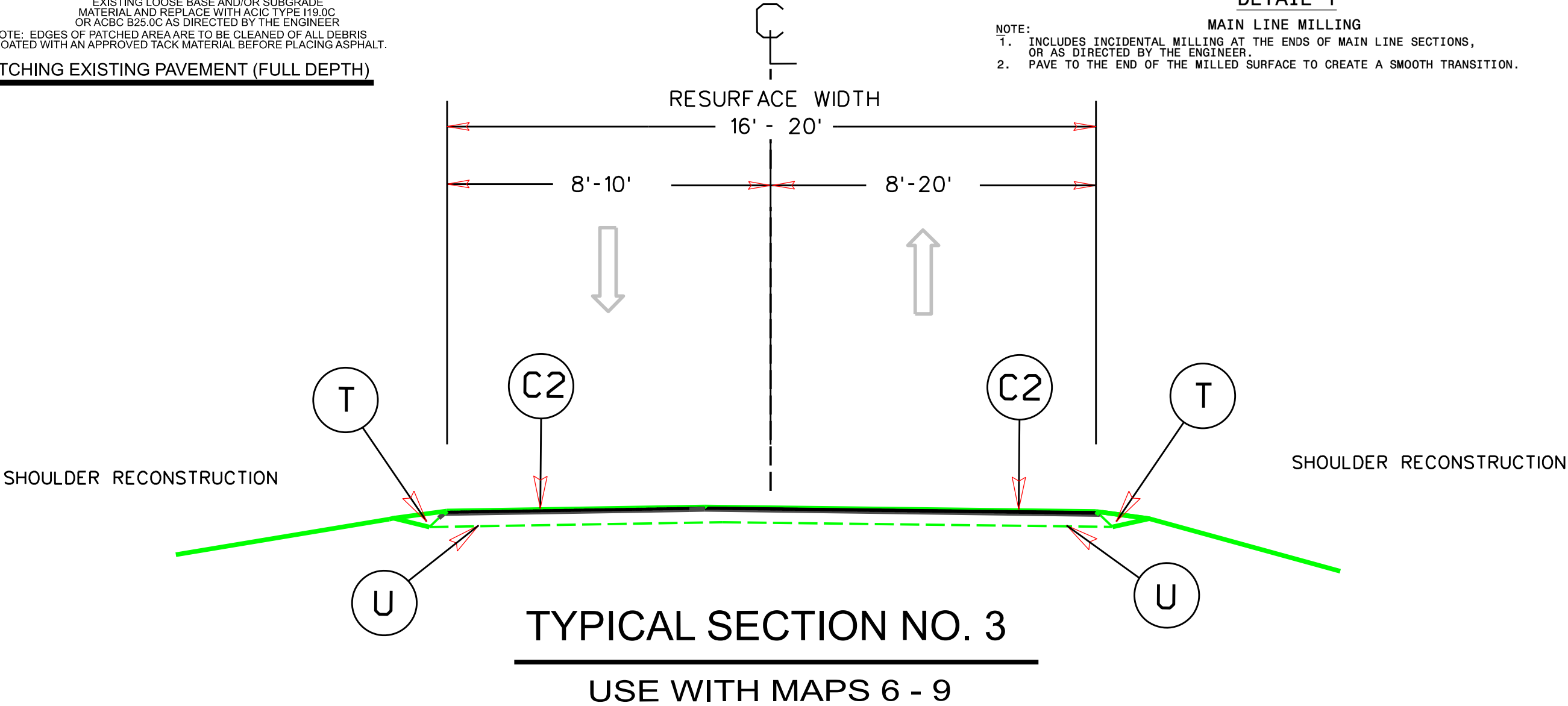
PROJECT REFERENCE NO.	SHEET NO.
2027CPT.01.04.10371, ETC.	6

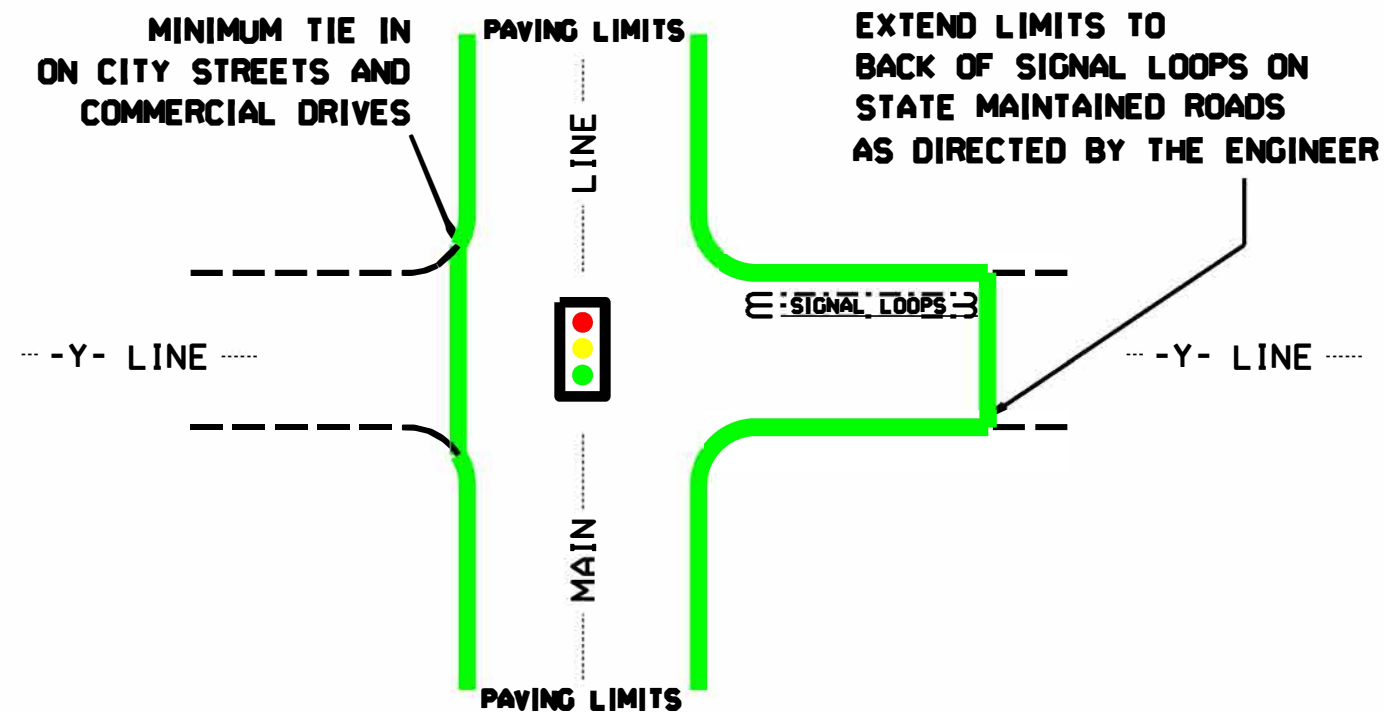
NOTES:

- * ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- * 1.5" OF S9.5B TO BE APPLIED THE FULL WIDTH OF THE ROADWAY
- * CONTRACTOR SHALL PERFORM PATCHING EXISTING PAVEMENT, FULL DEPTH BEFORE APPLICATION OF 1.5" OF S9.5B
- * FULL DEPTH PATCHING WILL ONLY BE PERFORMED ON MAP # 7
- * MAP # 9 IS A FIRE STATION PARKING LOT

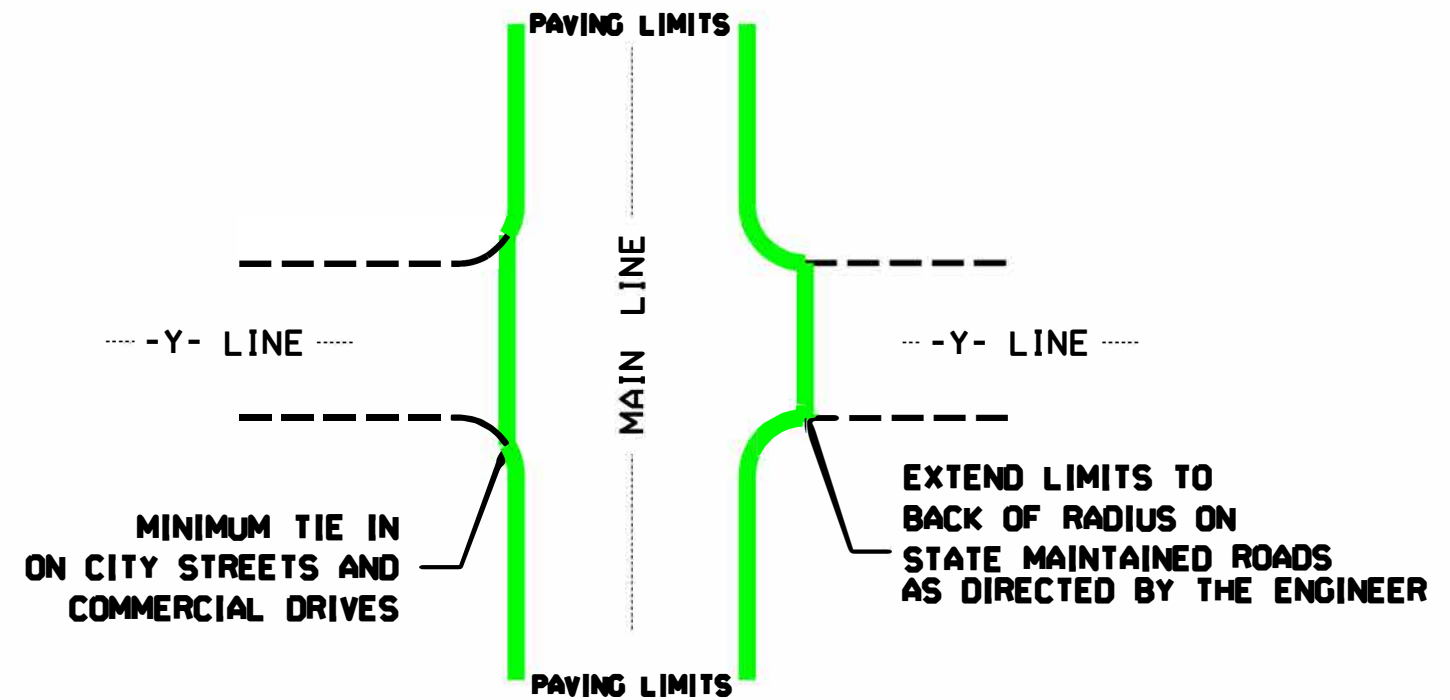


- NOTE:
1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS, OR AS DIRECTED BY THE ENGINEER.
 2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.





TYPICAL DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES



TYPICAL DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES

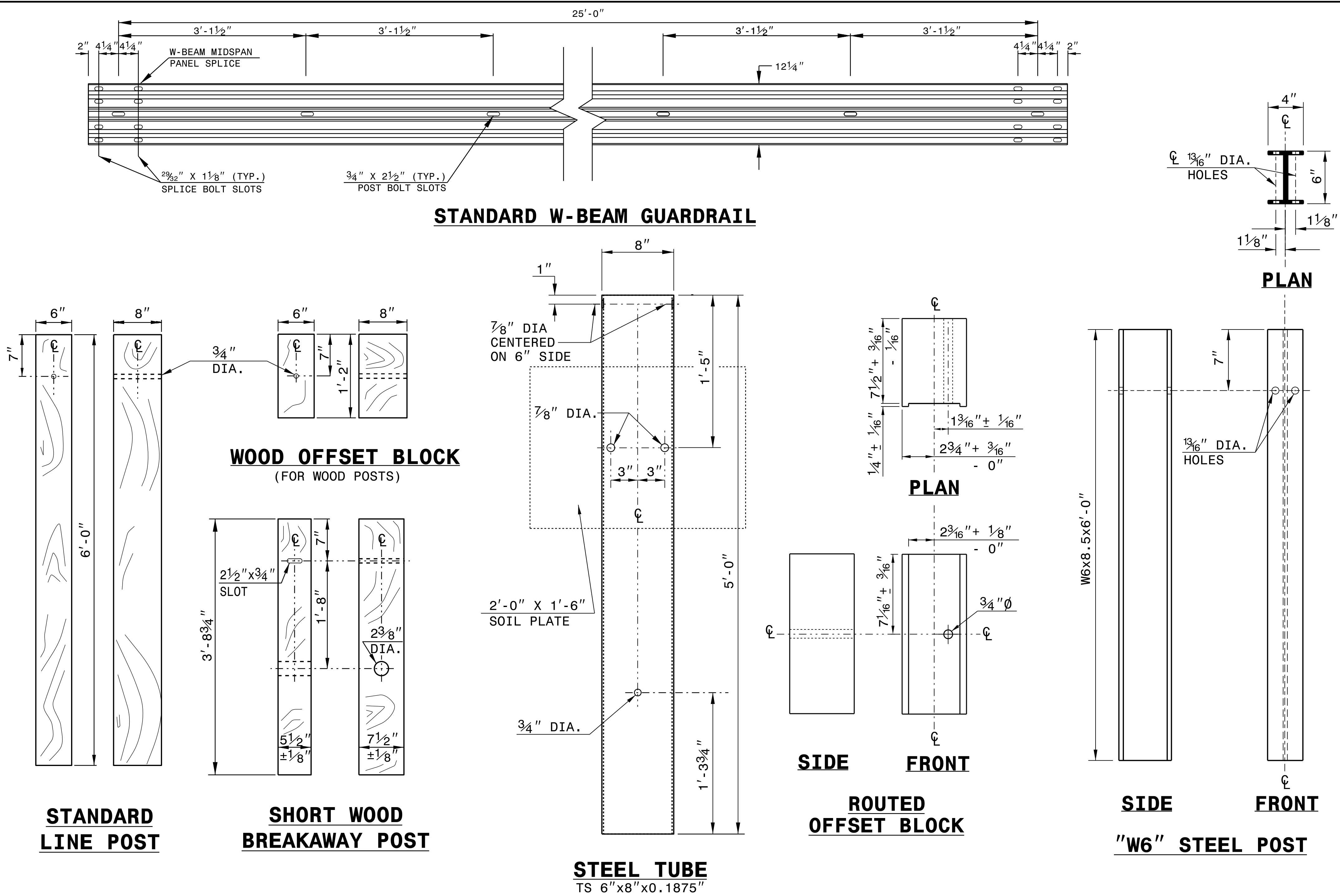
ADDITIONAL INTERSECTIONS (NON-TYPICAL)		
Extend paving limits to back of radius or loop on the following intersections:		
MAP#	STREET NAME	COMMENTS
	PAVE ALL STATE OWNED & TOWN STREETS TO BACK OF RADIUS FOR THIS PROJECT	

[illegible]

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

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

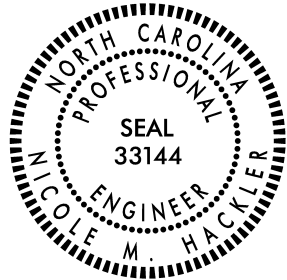
SHEET 6 OF 8
862D02



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

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 6 OF 8
862D02



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Howerton AT CSO-252595

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

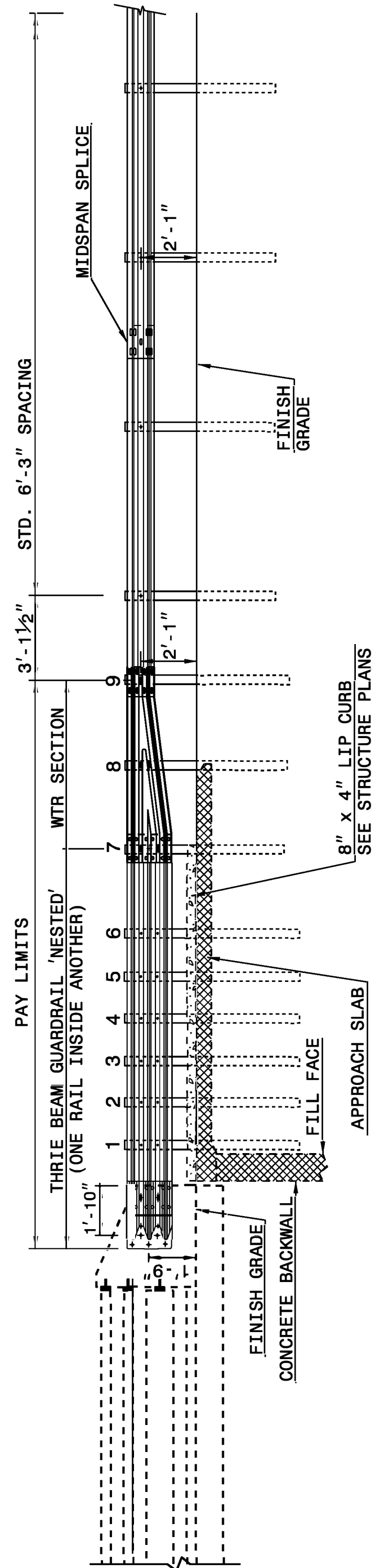
ROADWAY DETAIL DRAWING FOR
STRUCTURE ANCHOR UNITS
GUARDRAIL ANCHOR UNIT, TYPE III
FOR ATTACHMENT TO RAIL ON BRIDGE

SHEET 1 OF 7
862D03

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

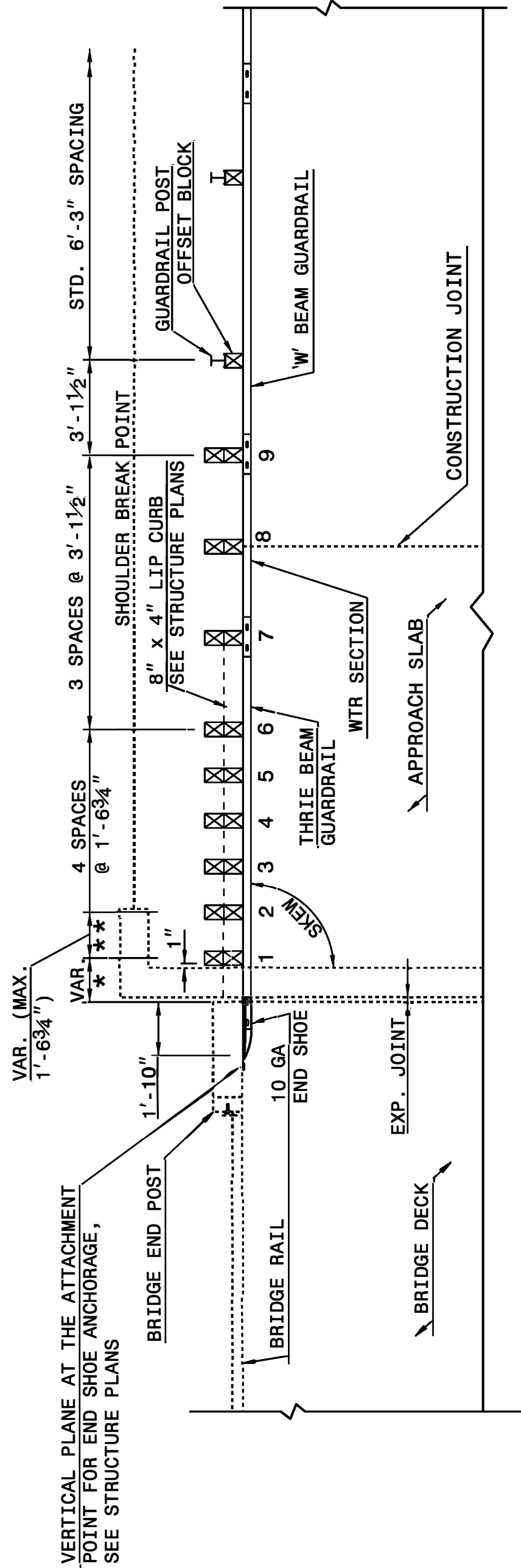
ROADWAY DETAIL DRAWING FOR
STRUCTURE ANCHOR UNITS
GUARDRAIL ANCHOR UNIT, TYPE III
FOR ATTACHMENT TO RAIL ON BRIDGE

SHEET 1 OF 7
862D03



ELEVATION

NOTE:
**POST NOT REQUIRED FOR SKEW ANGLES GREATER THAN 150° OR LESS THAN 30° UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
*THE DISTANCE FROM END OF BRIDGE RAIL TO CENTER LINE OF THE FIRST POST SHOULD BE 11 1/2" IF CONCRETE BACKWALL IS NOT PRESENT.
-SHOULDER BERM GUTTER MUST BE INSTALLED TO THE LIMITS 8" x 4" LIP CURB IS SHOWN IF ANCHOR UNIT IS NOT ADJACENT TO AN APPROACH SLAB.
-MEASURE GUARDRAIL HEIGHT FROM THE TOP OF ADJACENT SURFACE (SHOULDER, BERM, OR GUTTER).
-LAP JOINTS IN THE DIRECTION OF TRAFFIC FLOW.
-SEE SHEET 3 FOR POST SECTIONS 1 THRU 9.



PLAN VIEW

**GUARDRAIL ANCHOR UNIT, TYPE III
FOR ATTACHMENT TO RAIL ON BRIDGE**

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

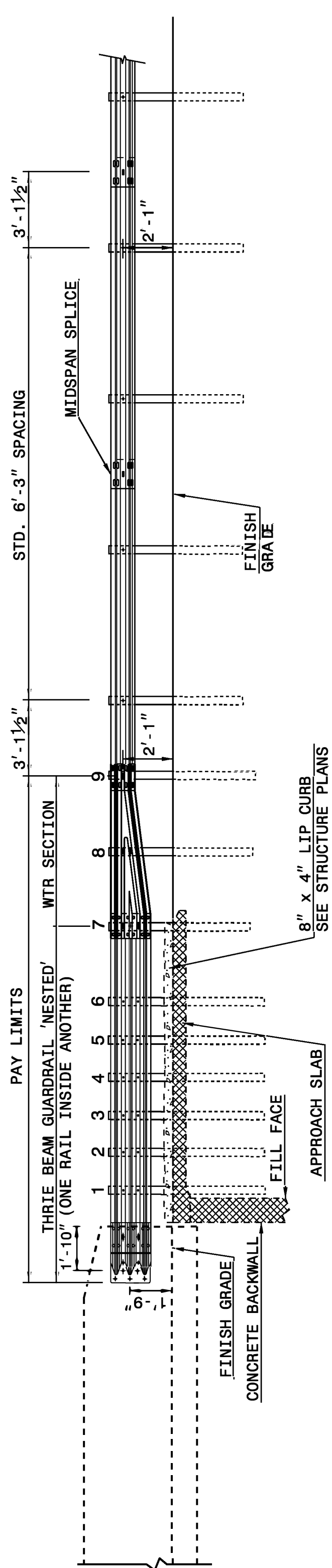
ROADWAY DETAIL DRAWING FOR
STRUCTURE ANCHOR UNITS
GUARDRAIL ANCHOR UNIT, TYPE III FOR ATTACHMENT TO
RAIL ON BRIDGE - SUB REGIONAL TIER

SHEET 2 OF 7
862D03

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

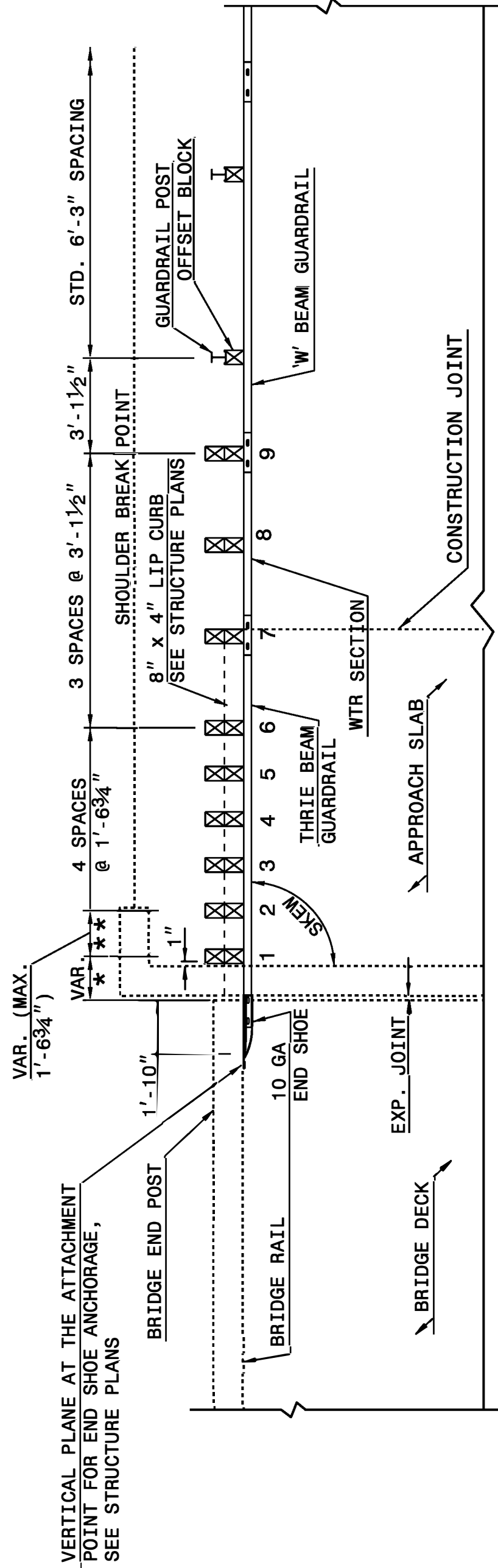
ROADWAY DETAIL DRAWING FOR
STRUCTURE ANCHOR UNITS
GUARDRAIL ANCHOR UNIT, TYPE III FOR ATTACHMENT TO
RAIL ON BRIDGE - SUB REGIONAL TIER

SHEET 2 OF 7
862D03



ELEVATION

NOTE:
**POST NOT REQUIRED FOR SKEW ANGLES GREATER THAN 150° OR LESS THAN 30° UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
*THE DISTANCE FROM END OF BRIDGE RAIL TO CENTER LINE OF THE FIRST POST SHOULD BE 11 1/2" IF CONCRETE BACKWALL IS NOT PRESENT.
-SHOULDER BERM GUTTER MUST BE INSTALLED TO THE LIMITS 8" x 4" LIP CURB IS SHOWN IF ANCHOR UNIT IS NOT ADJACENT TO AN APPROACH SLAB.
-MEASURE GUARDRAIL HEIGHT FROM THE TOP OF ADJACENT SURFACE (SHOULDER, BERM, OR GUTTER).
-LAP JOINTS IN THE DIRECTION OF TRAFFIC FLOW.
-SEE SHEET 3 FOR POST SECTIONS 1 THRU 9.



PLAN VIEW

**GUARDRAIL ANCHOR UNIT, TYPE III FOR ATTACHMENT TO
RAIL ON BRIDGE - SUB REGIONAL TIER**



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: J HOWERTON DATE: 06-22-12
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.:

PROJECT NO.	SHEET NO.	TOTAL NO.
2027CPT.01.04.10371, ETC	11	

SUMMARY OF QUANTITIES

													0000100000-N	0106000000-E	1220000000-E	1245000000-E	1297000000-E		1330000000-E	1519000000-E	1523000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGI N MP	END MP	MTV REQUIRED	MOBILIZATION	BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	MILLING ASPHALT PAVEMENT (1 1/2")	MILLING ASPHALT PAVEMENT (3")	INCIDENTAL MILLING	ASPHALT CONC SURFACE COURSE, S9.5B	ASPHALT CONC SURFACE COURSE, S9.5C
								MI	FT				LS	CY	TONS	SMI	SY	SY	SY	TONS	TONS
2027CPT.01.04.10371	Gates	1	US-158 BUS E / US 158 BUS W/NC 37 S	FROM US 158 TO NC 37	1	2	2WU	1.200	22	0.000	1.200	YES	1				15,488		266		1,398
2027CPT.01.04.10371	Gates	2	US-158 BUS	FROM NC 37 TO SR 1437 (SAVAGE ST.)	1	2	2WU	0.770	25	1.340	2.110	YES	*				11,293				1,001
2027CPT.01.04.10371	Gates	3	US-158 BUS E / NC 37 S/MAIN ST	FROM SR 1437 (SAVAGE ST.) TO NC 37	2	2	2WU	0.480	30	2.110	2.590	YES	*					8,448	261		763
2027CPT.01.04.10371	Gates	4	NC-37 N / NC 37 S/MAIN ST	FROM NC 32 TO BRIDGE #13	1	2	2WU	7.890	24	1.390	9.280	YES	*				111,091		2,924		10,072
2027CPT.01.04.10371	Gates	5	NC-37 N / MAIN ST	FROM BRIDGE #13 TO US 158 BUS.	1	2	2WU	0.670	34	9.280	9.950	YES	*				13,364		702		996
TOTAL FOR PROJ NO. 2027CPT.01.04.10371								11.010					*				151,236	8,448	4,153		14,230
																	159,684				
2027CPT.01.04.20371	Gates	6	SR-1134 / LEWIS MILL RD	FROM NC 137 TO END OF MAINTENANCE	3	2	2WU	0.500	20	0.000	0.500		*	90	18	1.00				593	
2027CPT.01.04.20371	Gates	7	SR-1414 / HOBBSVILLE RD	FROM NC 32 TO SR 1413 (SANDY CROSS RD.)	3	2	2WU	4.110	21	0.000	4.110		*	740	65	8.22				4,494	
TOTAL FOR PROJ NO. 2027CPT.01.04.20371								4.610					*	830	83	9.22				5,087	
2027CPT.01.04.20372	Gates	8	SR-1437 / SAVAGE ST	FROM NC 37 TO END OF PAVEMENT	3	2	2WU	0.130	16	0.000	0.130		*		7					89	
2027CPT.01.04.20372	Gates	9	HOBBSVILLE VOLUNTEER FIRE DEPT.		3	2	PL	0.010	57	1.120	1.130		*				197			18	
TOTAL FOR PROJ NO. 2027CPT.01.04.20372								0.140					*		7		197			107	
																	197				
GRAND TOTAL								15.760					1	830	90	9.22	151,433	8,448	4,153	5,194	14,230
																	159,881				

SUMMARY OF QUANTITIES

												1575000000-E	1705000000-E	3287000000-N	3288000000-N	3317000000-N	3030000000-E	3360000000-E	6084000000-E	6117000000-N	
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGI	END	MTV REQUIRED	ASP FOR PLANT MIX	PATCHING EXISTING PAVEMENT (FULL DEPTH)	GUARDRAIL END UNITS, TYPE TL-3 (SP)	GUARDRAIL END UNITS, TYPE TL-2 (SP)	GR ANCH B-77	STEEL BEAM GAURDRAIL	REMOVE EXISTING GUARDRAIL	SEEDING & MULCHING	RESPONSE FOR EROSION CONTROL
								MI	FT	N MP	MP		TONS	TONS	EA	EA	EA	LF	LF	ACR	EA
2027CPT.01.04.10371	Gates	1	US-158 BUS E / US 158 BUS W/NC 37 S	FROM US 158 TO NC 37	1	2	2WU	1.200	22	0.000	1.200	YES	84	36							
2027CPT.01.04.10371	Gates	2	US-158 BUS	FROM NC 37 TO SR 1437 (SAVAGE ST.)	1	2	2WU	0.770	25	1.340	2.110	YES	59								
2027CPT.01.04.10371	Gates	3	US-158 BUS E / NC 37 S/MAIN ST	FROM SR 1437 (SAVAGE ST.) TO NC 37	2	2	2WU	0.480	30	2.110	2.590	YES	46	17							
2027CPT.01.04.10371	Gates	4	NC-37 N / NC 37 S/MAIN ST	FROM NC 32 TO BRIDGE #13	1	2	2WU	7.890	24	1.390	9.280	YES	595	17							
2027CPT.01.04.10371	Gates	5	NC-37 N / MAIN ST	FROM BRIDGE #13 TO US 158 BUS.	1	2	2WU	0.670	34	9.280	9.950	YES	60	20	2	2	4.00	200.00	462.50		
TOTAL FOR PROJ NO. 2027CPT.01.04.10371								11.010					844	90	2	2	4.00	200.00	462.50		
2027CPT.01.04.20371	Gates	6	SR-1134 / LEWIS MILL RD	FROM NC 137 TO END OF MAINTENANCE	3	2	2WU	0.500	20	0.000	0.500		39						0.5	1	
2027CPT.01.04.20371	Gates	7	SR-1414 / HOBBSVILLE RD	FROM NC 32 TO SR 1413 (SANDY CROSS RD.)	3	2	2WU	4.110	21	0.000	4.110		295	67					4.1		
TOTAL FOR PROJ NO. 2027CPT.01.04.20371								4.610					334	67					4.6	1	
2027CPT.01.04.20372	Gates	8	SR-1437 / SAVAGE ST	FROM NC 37 TO END OF PAVEMENT	3	2	2WU	0.130	16	0.000	0.130		6								
2027CPT.01.04.20372	Gates	9	HOBBSVILLE VOLUNTEER FIRE DEPT.		3	2	PL	0.010	57	1.120	1.130		1								
TOTAL FOR PROJ NO. 2027CPT.01.04.20372								0.140					7								
GRAND TOTAL								15.760					1,185	157	2	2	4.00	200.00	462.50	4.6	1

PROJECT NO.	SHEET NO.	TOTAL NO.
2027CPT.01.04.10371	12	

THERMOPLASTIC AND PAINT QUANTITIES

												4413000000-E	4457000000-N	4688000000-E		4709000000-E	4720000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL (SP)	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS) WHITE	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS) YELLOW	THERMO PAVEMENT MARKING LINES (24" 90 MILS) (SP)	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS), SCHOOL
								MI	FT			SF	LS	LF	LF	LF	EA
2027CPT.01.04.10371	Gates	1	US-158 BUS E / US 158 BUS W/NC 37 S	FROM US 158 TO NC 37	1	2	2WU	1.2	22	0	1.2	118	1	12,672	7,920		
2027CPT.01.04.10371	Gates	2	US-158 BUS	FROM NC 37 TO SR 1437 (SAVAGE ST.)	1	2	2WU	0.77	25	1.34	2.11	86	*	8,131	5,082		
2027CPT.01.04.10371	Gates	3	US-158 BUS E / NC 37 S/MAIN ST	FROM SR 1437 (SAVAGE ST.) TO NC 37	2	2	2WU	0.48	30	2.11	2.59	86	*	3,780	5,069	159	12
2027CPT.01.04.10371	Gates	4	NC-37 N / NC 37 S/MAIN ST	FROM NC 32 TO BRIDGE #13	1	2	2WU	7.89	24	1.39	9.28	278	*	83,318	52,074		
2027CPT.01.04.10371	Gates	5	NC-37 N / MAIN ST	FROM BRIDGE #13 TO US 158 BUS.	1	2	2WU	0.67	34	9.28	9.95	134	*	2,851	4,422	19	
TOTAL FOR PROJ NO. 2027CPT.01.04.10371							11.01					702	*	110,752	74,567	178	12
														185,319			
2027CPT.01.04.20371	Gates	6	SR-1134 / LEWIS MILL RD	FROM NC 137 TO END OF MAINTENANCE	3	2	2WU	0.5	20	0	0.5		*				
2027CPT.01.04.20371	Gates	7	SR-1414 / HOBBSVILLE RD	FROM NC 32 TO SR 1413 (SANDY CROSS RD.)	3	2	2WU	4.11	21	0	4.11	206	*				
TOTAL FOR PROJ NO. 2027CPT.01.04.20371							4.61					206	*				
2027CPT.01.04.20372	Gates	8	SR-1437 / SAVAGE ST	FROM NC 37 TO END OF PAVEMENT	3	2	2WU	0.13	16	0	0.13		*				
2027CPT.01.04.20372	Gates	9	HOBBSVILLE VOLUNTEER FIRE DEPT.		3	2	PL	0.01	57	1.12	1.13						
TOTAL FOR PROJ NO. 2027CPT.01.04.20372							0.14						*				
GRAND TOTAL							15.76					908	1	110,752	74,567	178	12
														185,319			

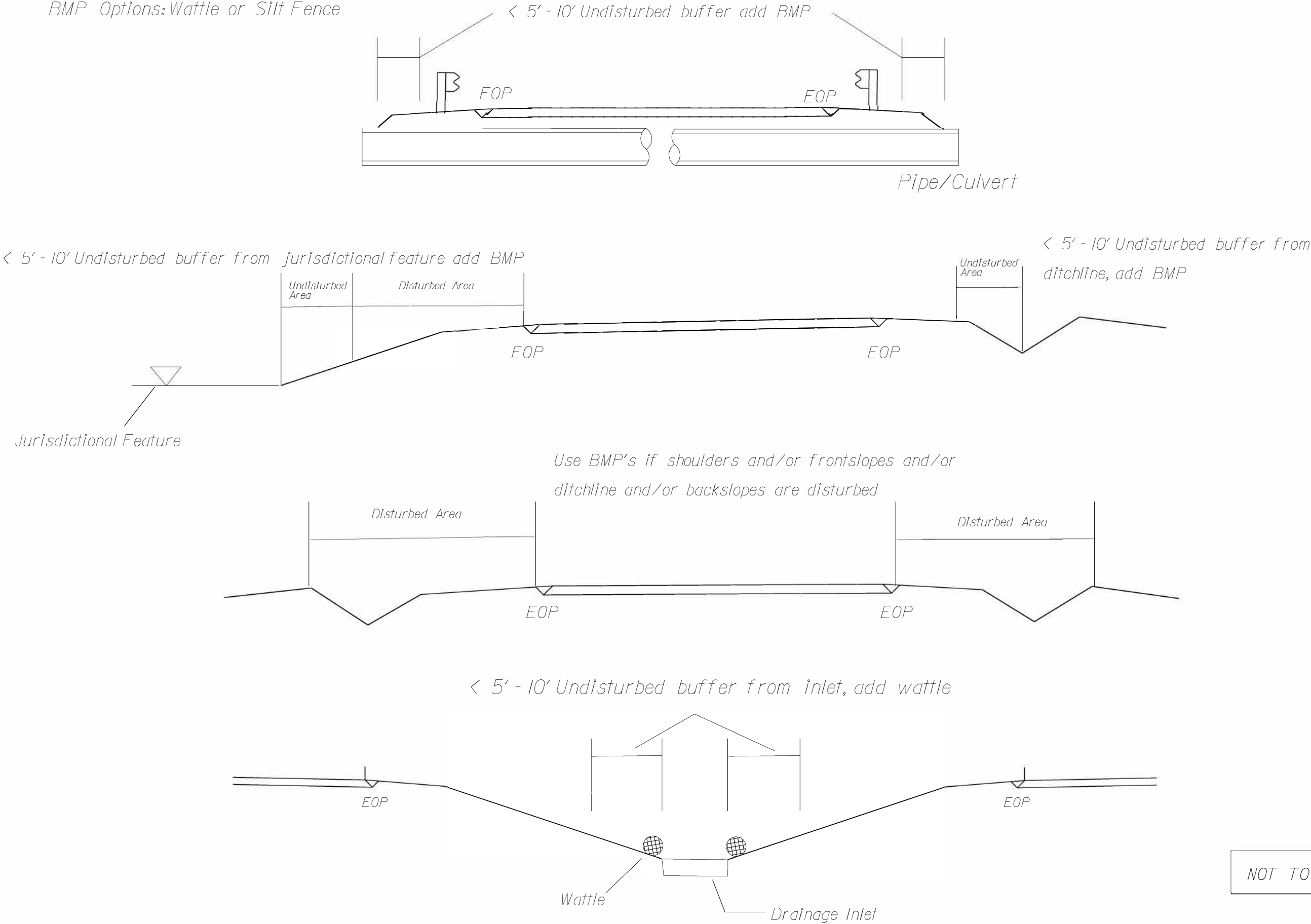
THERMOPLASTIC AND PAINT QUANTITIES

												4810000000-E		4835000000-E	4840000000-N	4890000000-E		4895000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW	PAINT PAVEMENT MARKING LINES (24")	PAINT PAVEMENT MARKING CHARACTER (MSG SCHOOL)	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, (4", 65 MILS) WHITE	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, (4", 65 MILS) YELLOW	GENERIC PAVEMENT MARKING ITEM POLYCARBONATE H-SHAPED MARKERS
								MI	FT			LF	LF	LF	EA	LF	LF	EA
2027CPT.01.04.10371	Gates	1	US-158 BUS E / US 158 BUS W/NC 37 S	FROM US 158 TO NC 37	1	2	2WU	1.2	22	0	1.2	12,672	7,920					79
2027CPT.01.04.10371	Gates	2	US-158 BUS	FROM NC 37 TO SR 1437 (SAVAGE ST.)	1	2	2WU	0.77	25	1.34	2.11	8,131	5,082					51
2027CPT.01.04.10371	Gates	3	US-158 BUS E / NC 37 S/MAIN ST	FROM SR 1437 (SAVAGE ST.) TO NC 37	2	2	2WU	0.48	30	2.11	2.59	3,780	5,069	159	12			32
2027CPT.01.04.10371	Gates	4	NC-37 N / NC 37 S/MAIN ST	FROM NC 32 TO BRIDGE #13	1	2	2WU	7.89	24	1.39	9.28	83,318	52,074					521
2027CPT.01.04.10371	Gates	5	NC-37 N / MAIN ST	FROM BRIDGE #13 TO US 158 BUS.	1	2	2WU	0.67	34	9.28	9.95	7,075		19				44
TOTAL FOR PROJ NO. 2027CPT.01.04.10371								11.01				114,976	70,145	178	12			727
												185,121						
2027CPT.01.04.20371	Gates	6	SR-1134 / LEWIS MILL RD	FROM NC 137 TO END OF MAINTENANCE	3	2	2WU	0.5	20	0	0.5							
2027CPT.01.04.20371	Gates	7	SR-1414 / HOBBSVILLE RD	FROM NC 32 TO SR 1413 (SANDY CROSS RD.)	3	2	2WU	4.11	21	0	4.11	43,402	27,126			43,402	27,126	
TOTAL FOR PROJ NO. 2027CPT.01.04.20371								4.61				43,402	27,126			43,402	27,126	
												70,528				70,528		
2027CPT.01.04.20372	Gates	8	SR-1437 / SAVAGE ST	FROM NC 37 TO END OF PAVEMENT	3	2	2WU	0.13	16	0	0.13							
2027CPT.01.04.20372	Gates	9	HOBBSVILLE VOLUNTEER FIRE DEPT.		3	2	PL	0.01	57	1.12	1.13							
TOTAL FOR PROJ NO. 2027CPT.01.04.20372								0.14										
GRAND TOTAL								15.76				158,378	97,271	178	12	43,402	27,126	727
												255,649				70,528		

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



DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

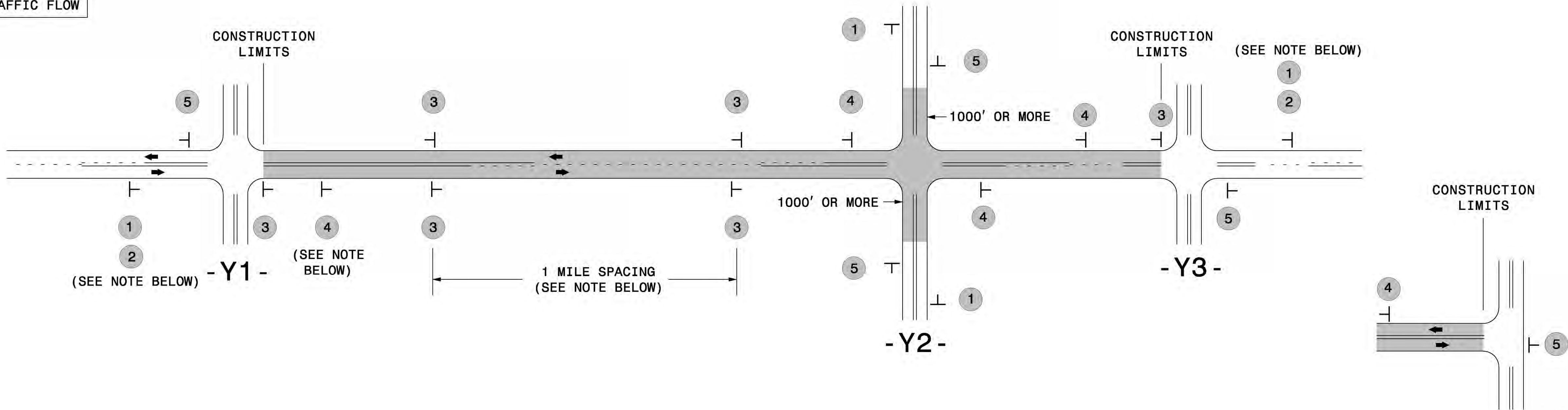
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS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

SIGNING FOR RESURFACING PROJECTS

LEGEND

STATIONARY SIGN

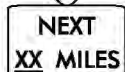
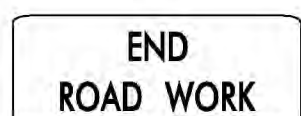
DIRECTION OF TRAFFIC FLOW



TEE INTERSECTION

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1  W20-1 48" X 48" 2  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.
	3  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  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  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.	



W20-1
48" X 48"

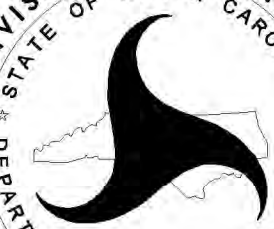
PLACED 500' IN ADVANCE
OF FLAGGER.



W20-7 A
48" X 48"

PLACED 250' IN ADVANCE
OF FLAGGER.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL



AD