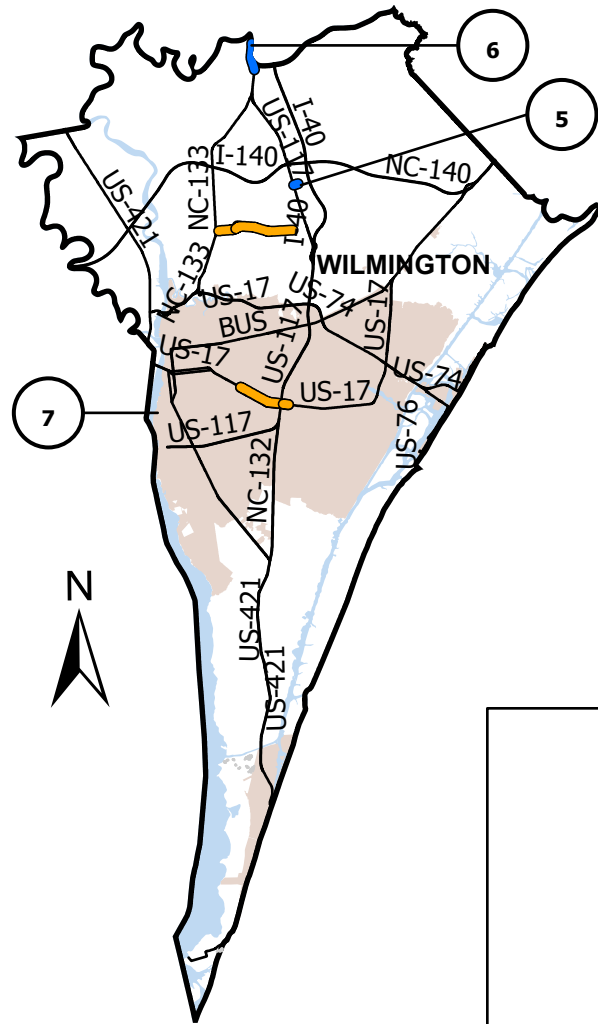


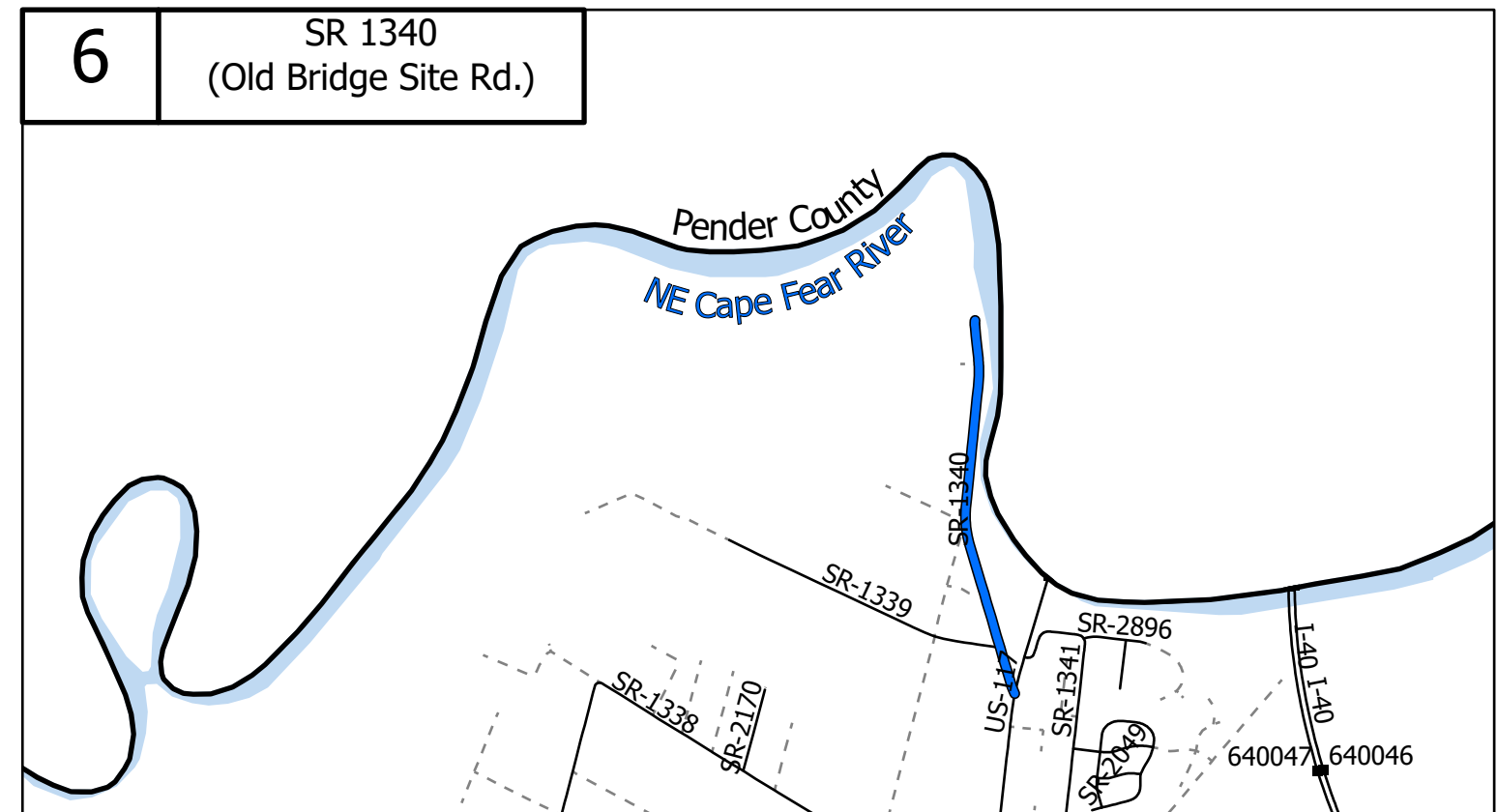
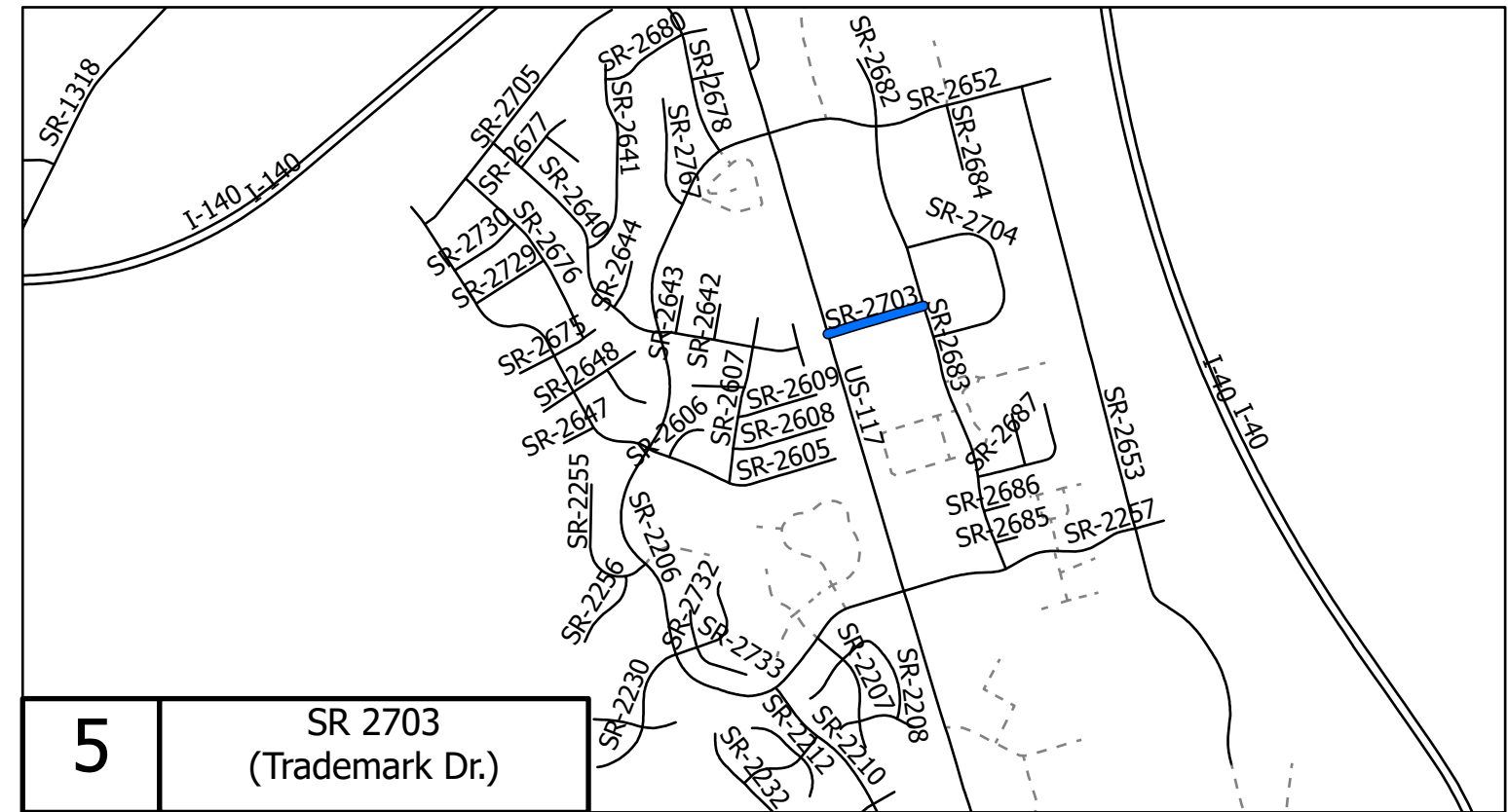
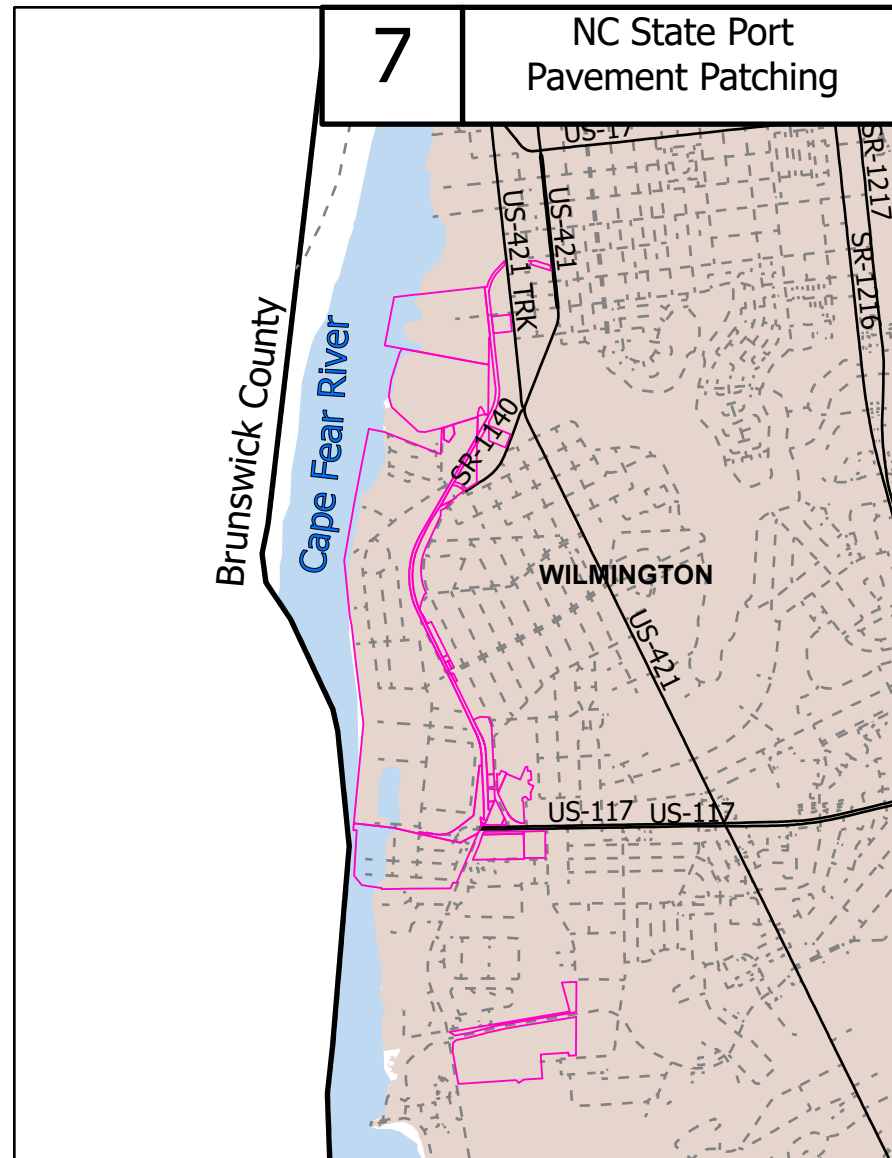
New Hanover County 5-7

PROJECT REFERENCE NO.	SHEET NO.
2023CPT.03.01.10651, ETC.	2



Legend

- Resurfacing Routes
- Preservation Routes
- - - Non-System
- D3 Bridges
- NC Port Parcels



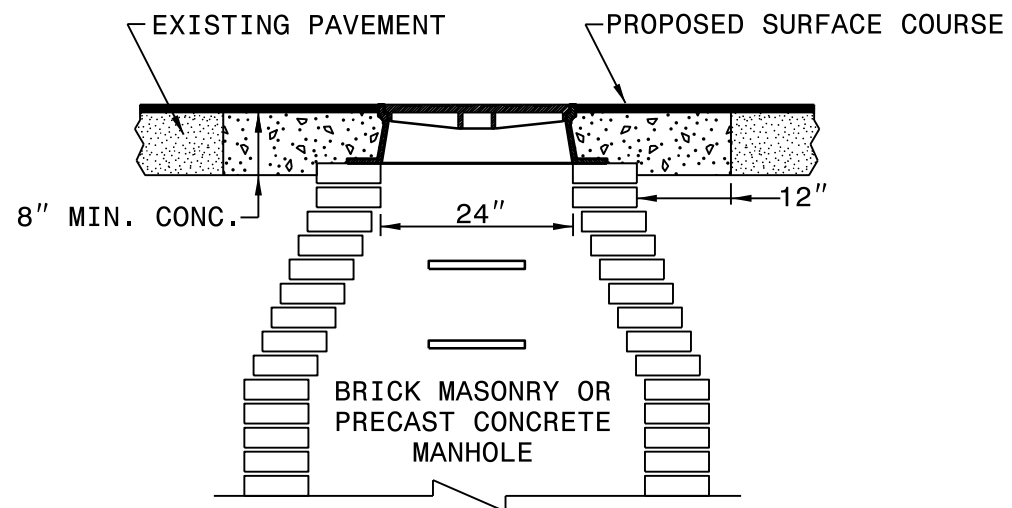
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

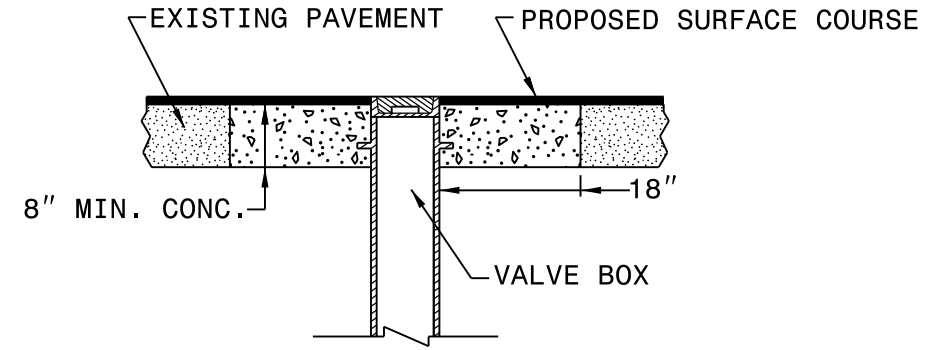
SHEET 1 OF 1
840D55

GENERAL NOTES:

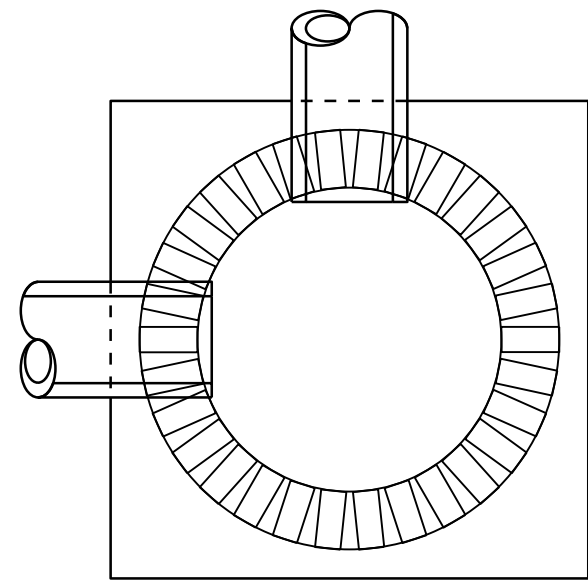
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL 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

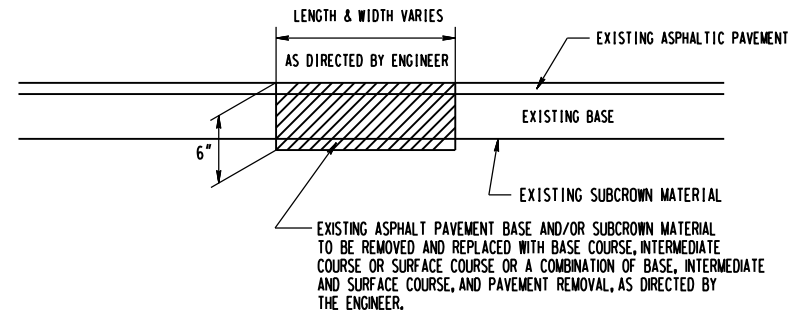
ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

SHEET 1 OF 1
840D55

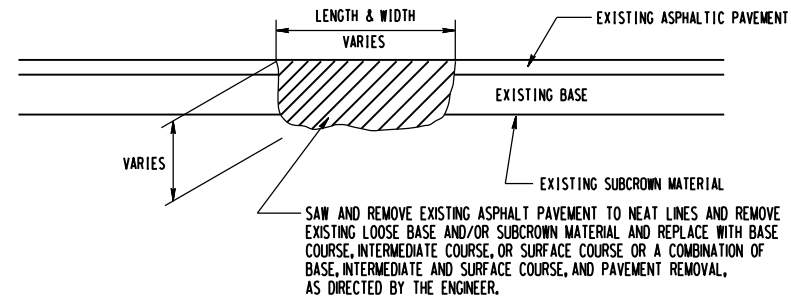
REVISIONS

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

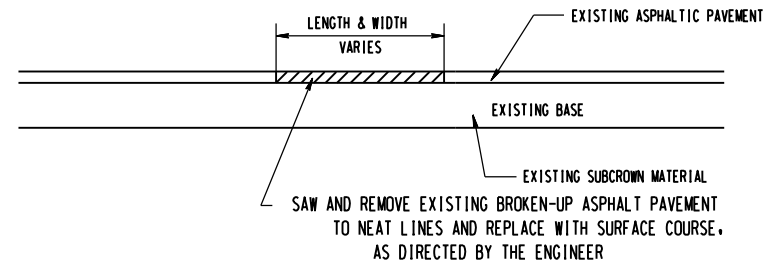
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



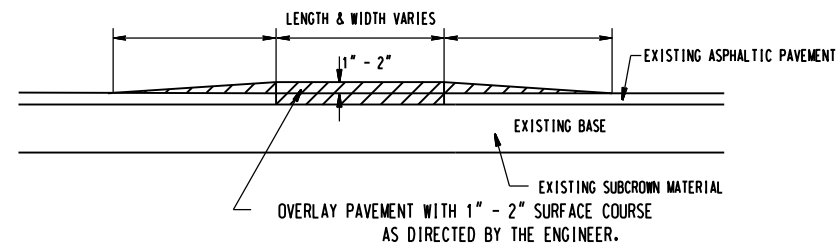
DETAIL NO. 1



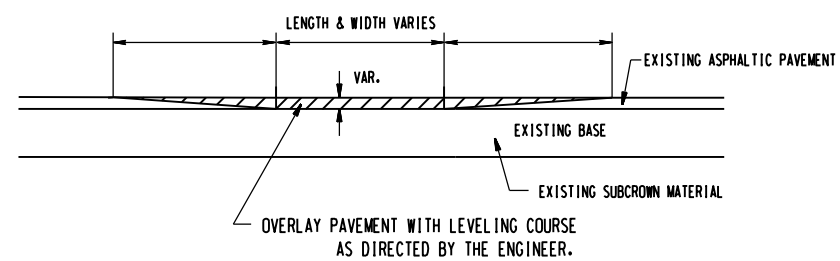
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4

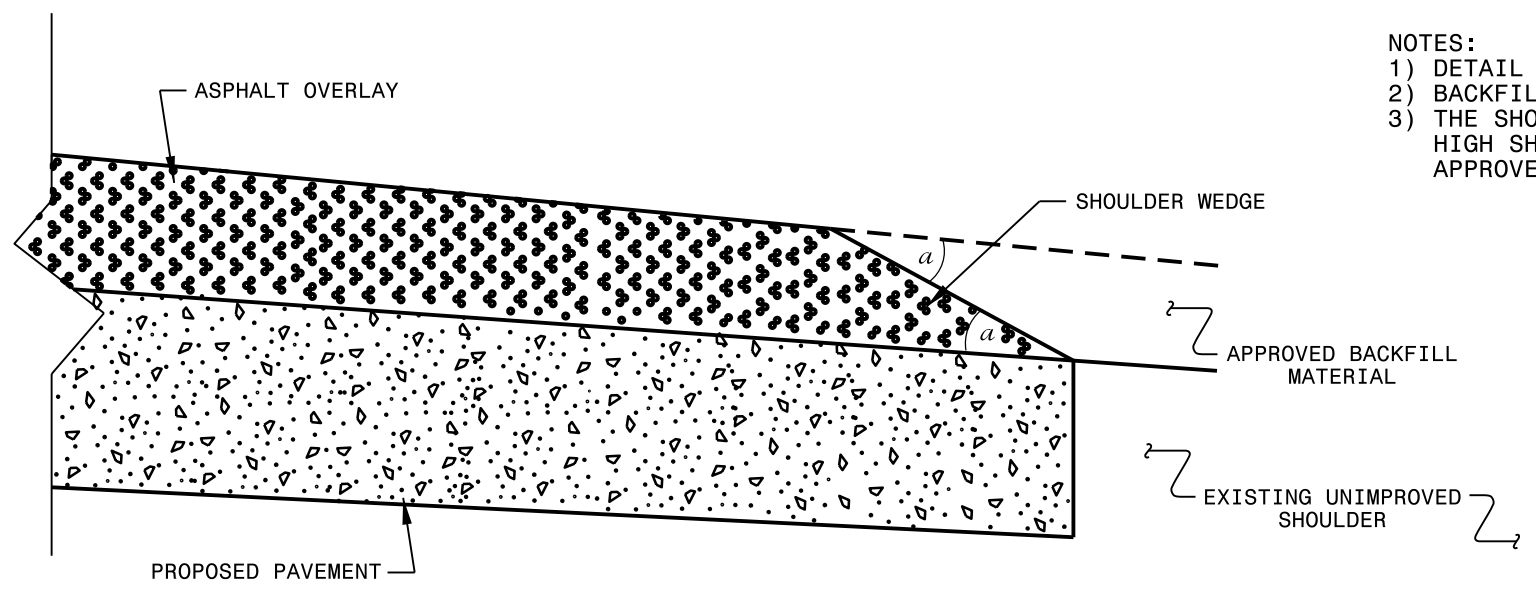


DETAIL NO. 5

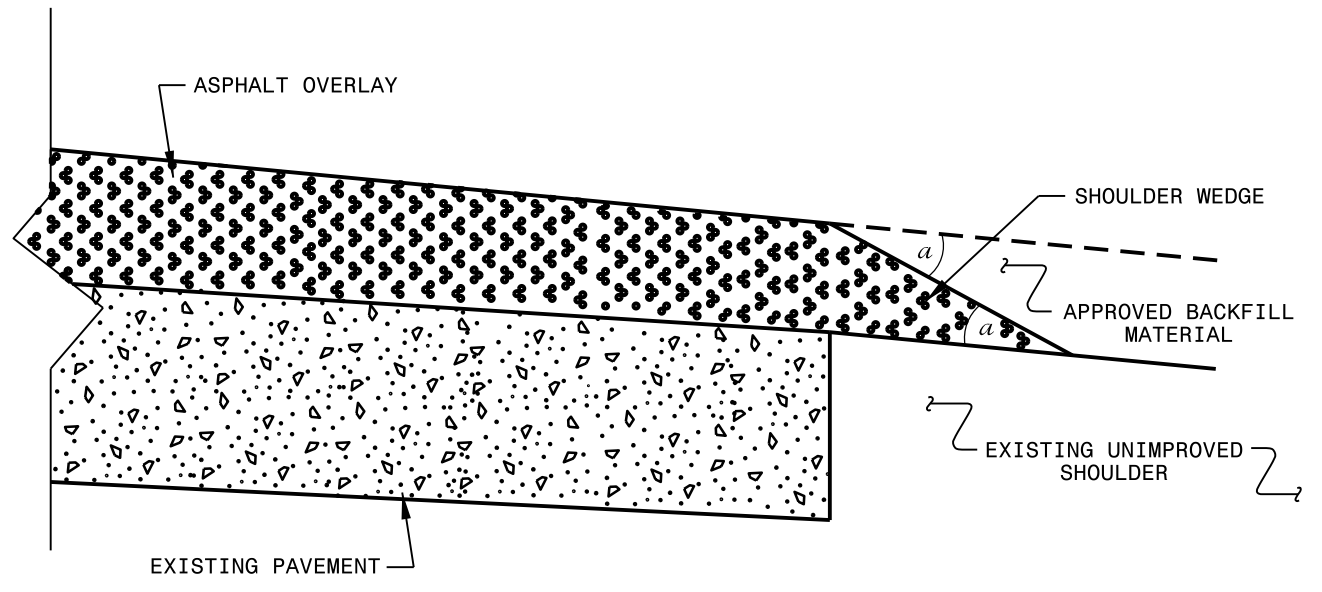
REVISIONS

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

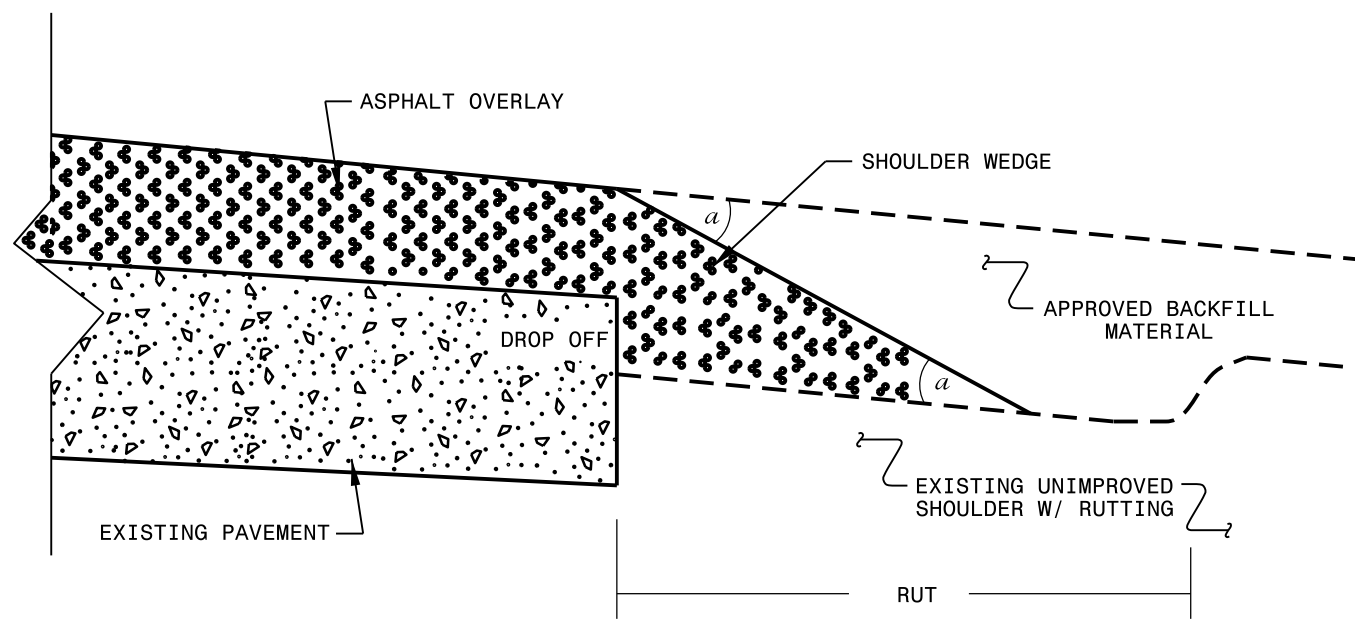
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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:\projects\Resurfacing Projects\Division 3\Sampson August 2018\Revised Shoulder Wedge Detail.dgn
 P:\porter\A1\CSO\2015\2542

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

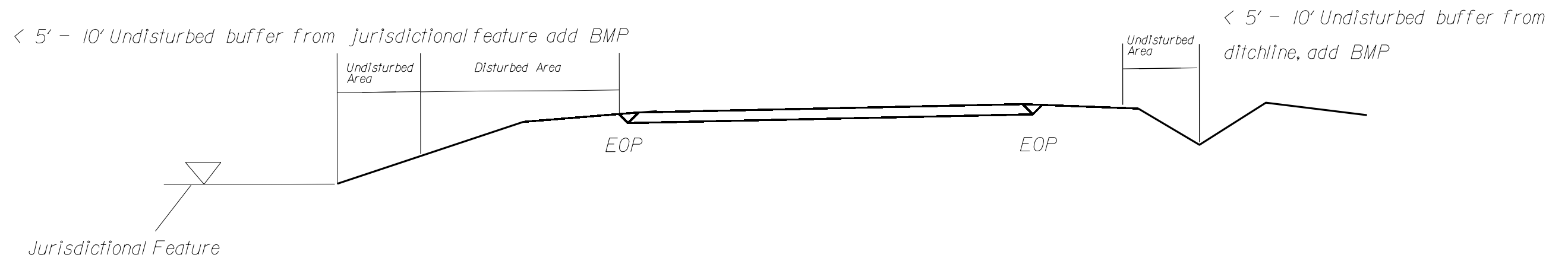
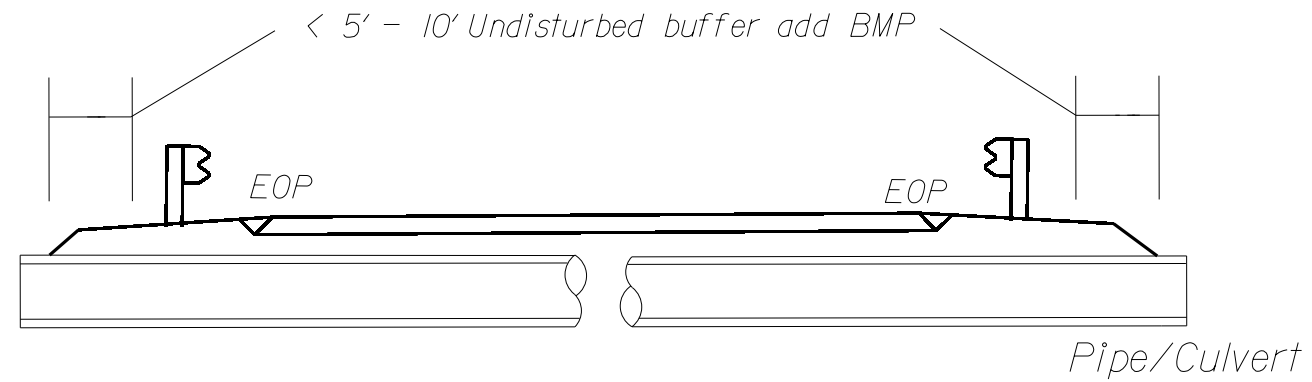
SOIL STABILIZATION TIMEFRAMES

<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

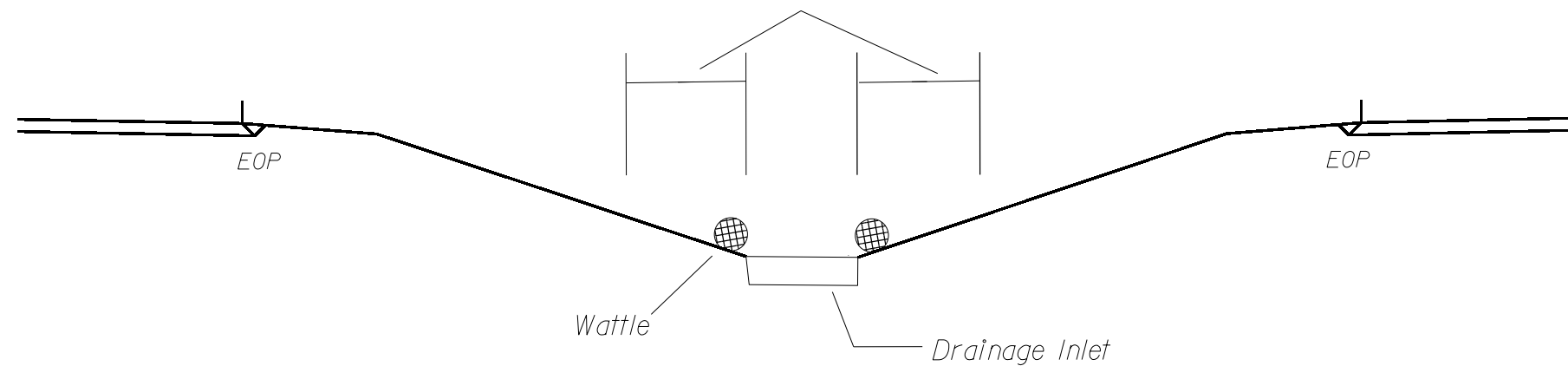
EROSION CONTROL DETAIL



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

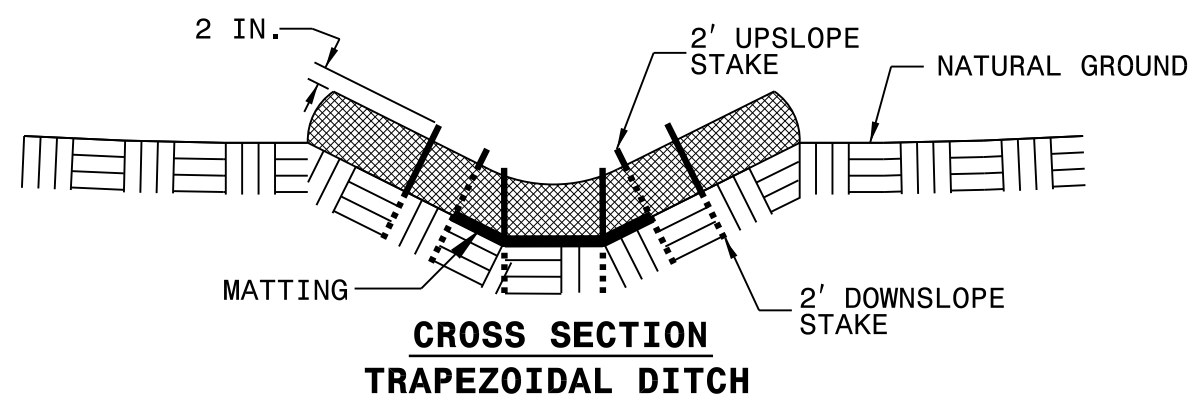
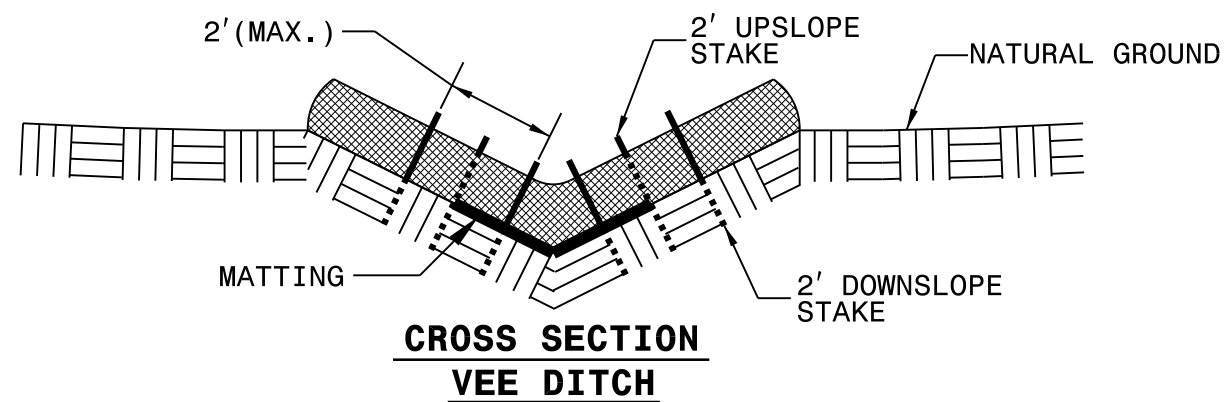
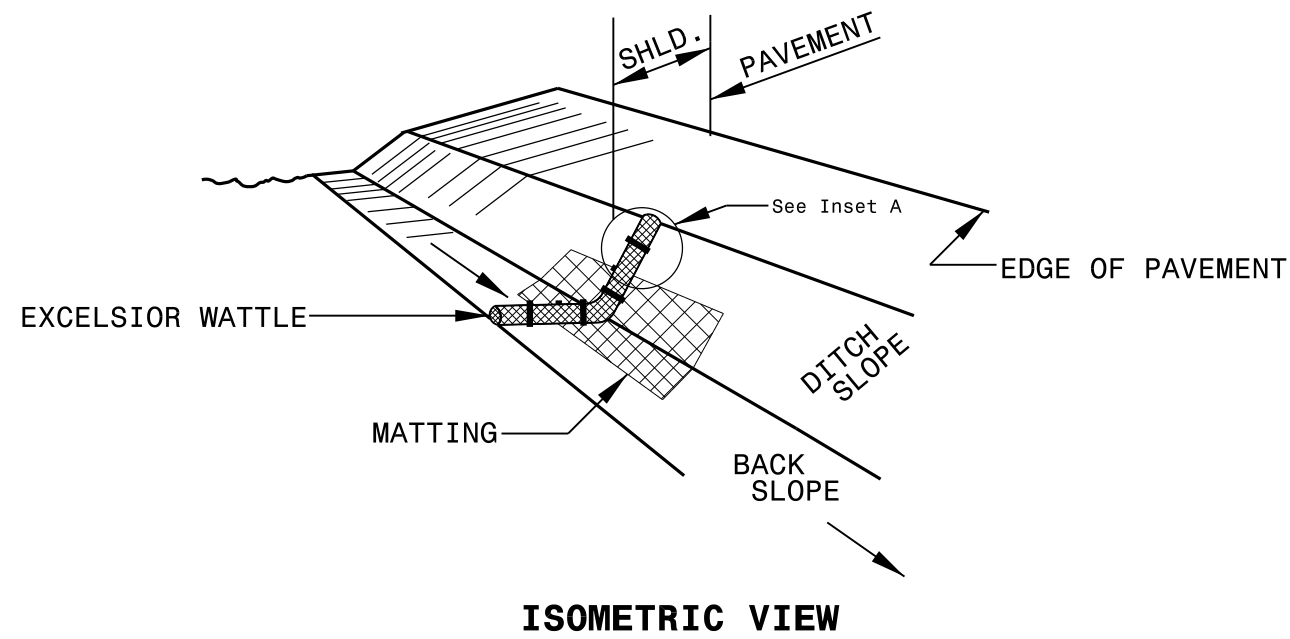


< 5' - 10' Undisturbed buffer from inlet, add wattle



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.

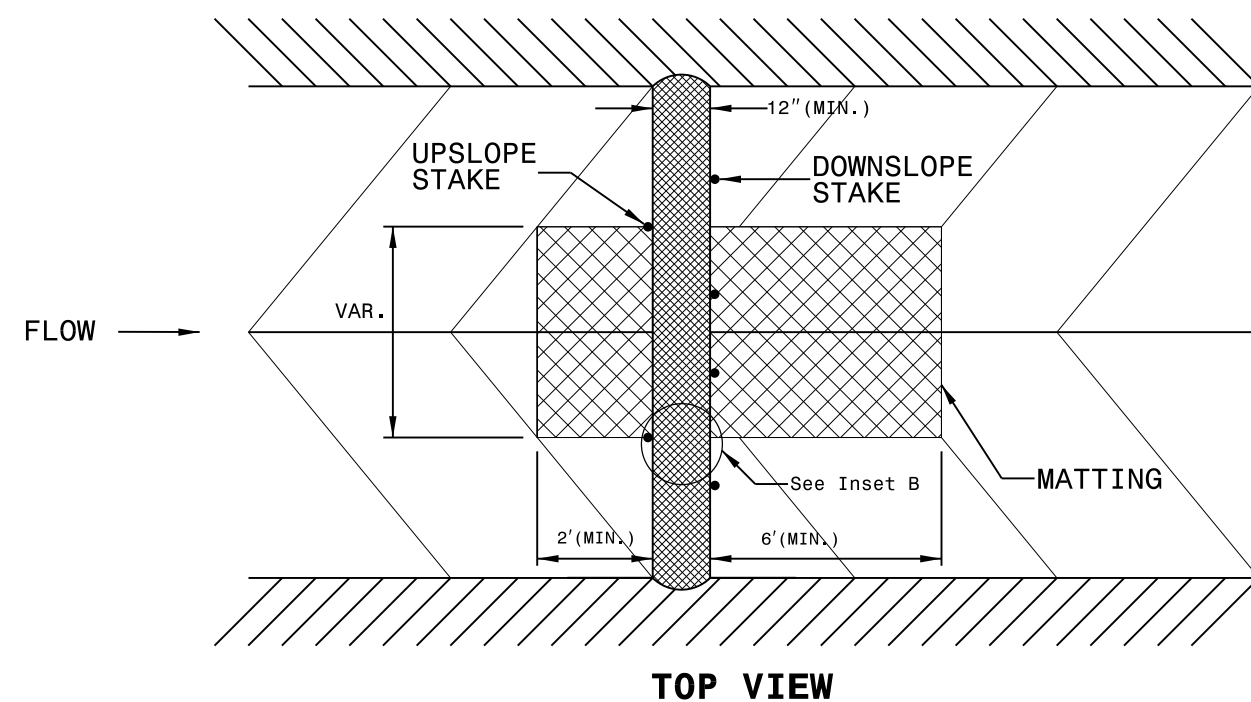
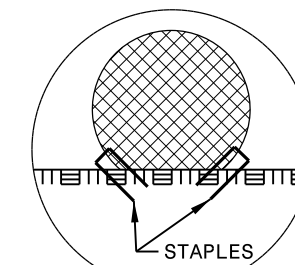
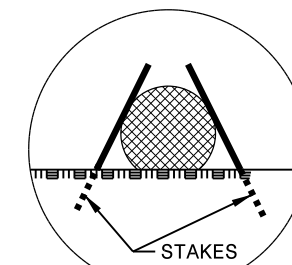
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.



I:\FEB-2015\1141\01\Resurfacing\1\Plan_Sheets\3CR.20711.173. EC RESURF. 2015.dgn

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

2-19

ENGLISH TYPICAL DRAWING FOR
PAVEMENT MARKINGS
HI-VISIBILITY CROSSWALKS
NO-TRACK MARKING GUIDANCE

SHEET 1 OF 1

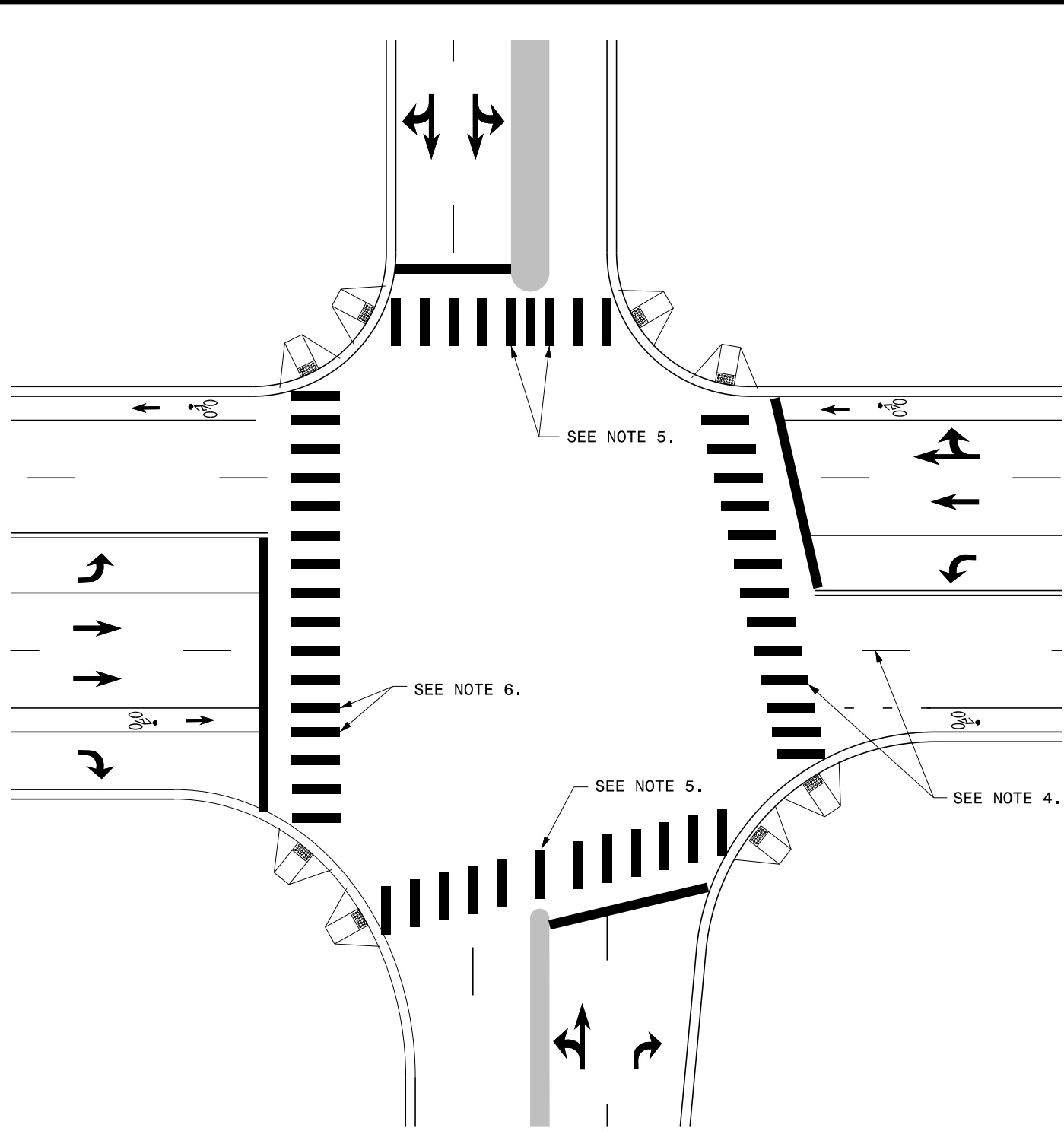
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

2-19

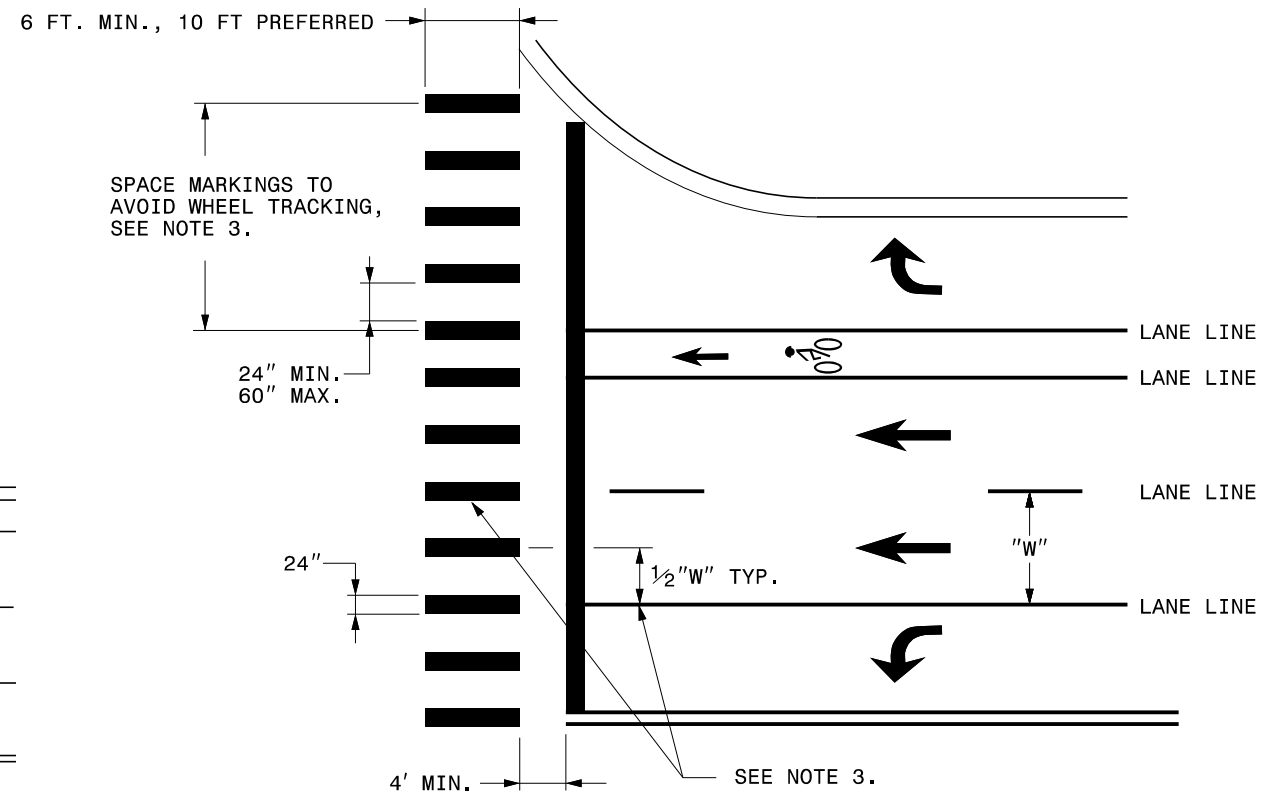
ENGLISH TYPICAL DRAWING FOR
PAVEMENT MARKINGS
HI-VISIBILITY CROSSWALKS
NO-TRACK MARKING GUIDANCE

SHEET 1 OF 1

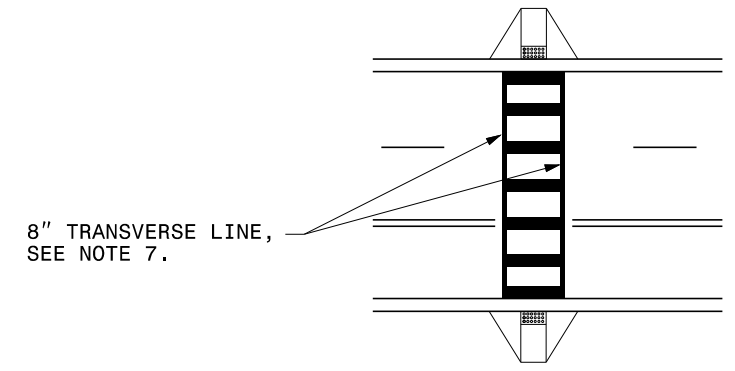
2-28-18



CROSSWALK INTERSECTION DETAIL



CROSSWALK MARKING DETAIL



MID-BLOCK CROSSWALK DETAIL

GENERAL NOTES:

- 1- THE GUIDANCE IN THIS DETAIL IS TO BE USED WHEN NO-TRACK SPACING OF HI-VISIBILITY MARKINGS IS REQUESTED.
- 2- USE THE GUIDANCE SHOWN ON THE ABOVE DETAILS IN CONJUNCTION WITH PAVEMENT MARKING GUIDANCE SHOWN ON ROADWAY STANDARD DRAWINGS 1205.01 AND 1205.07.
- 3- PLACE MARKINGS TO AVOID WHEELPATH OF VEHICLES. MARKINGS TYPICALLY WILL BE LOCATED CENTERED AT THE LANE LINES AND EDGE LINES WITH ONE ADDITIONAL MARKING CENTERED IN THE MIDDLE OF THE LANE. AT WIDE LANE WIDTHS DUE TO TAPERS AND LARGE RADII, LOCATE MARKINGS AT BEST SPACING TO AVOID WHEEL TRACKING. THE SPACE BETWEEN MARKINGS SHALL NOT BE LESS THAN 24 INCHES OR GREATER THAN 60 INCHES.

- 4- WHERE THE CROSSWALK IS SKEWED TO THE LANE LINES, THE MARKINGS SHOULD BE PARALLEL TO THE LANE LINES.
- 5- PLACE MARKINGS ON BOTH EDGES OF THE NOSE OF A MEDIAN. FOR NARROW MEDIANS LESS THAN 4 FEET, A SINGLE MARKING MAY BE USED. FOR WIDE MEDIANS, INSTALL ADDITIONAL MARKINGS IN THE MEDIAN AREA. THE SPACE BETWEEN THE MARKINGS SHALL NOT TO BE LESS THAN 24 INCHES OR GREATER THAN 60 INCHES.
- 6- LOCATE MARKINGS CENTERED ON BICYCLE LANE LINES. MARKINGS SHALL NOT BE LOCATED IN THE CENTER OF THE BICYCLE PATH.
- 7- INCLUDE 8" TRANSVERSE LINES WITH 24" LONGITUDINAL MARKINGS AT MID-BLOCK CROSSINGS.

PROJECT NO.	SHEET NO.
2023CPT.03.01.10651, Etc.	9

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	1245000000-E	1297000000-E	1308000000-E	1330000000-E	1519000000-E	1520000000-E	1523000000-E	1526000000-E						
												BORROW EXCAVATION	SHOULDER RECONSTRUCTION	2" MILLING	2" - 3" MILLING	0" - 1.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	LEVELING COURSE, S9.5B	SURFACE COURSE, S9.5C	SURFACE COURSE, S4.75A					
											MI	FT	CY	SMI	SY	SY	SY	SY	TON	TON	TON	TON				
2023CPT.03.01.10651	New Hanover	1	US 17 (OLEANDER DRIVE) EASTBOUND	FROM HAWTHORNE RD. (NON-SYSTEM) TO .09 MI. WEST OF PINE GROVE RD. [MP 3.06 - MP 4.67]	1	3	MD	NO	NO	1.61	32 - 44				31,248	1,929		5,483			4,219					
TOTAL FOR MAP NO. 1											1.61					31,248	1,929		5,483			4,219				
2023CPT.03.01.10651	New Hanover	2	US 17 (OLEANDER DRIVE) WESTBOUND	FROM .09 MI. WEST OF PINE GROVE DR. (NON-SYSTEM) TO HAWTHORNE RD. (NON-SYSTEM) [MP 11.56 - MP 13.17]	1	3	MD	NO	NO	1.61	32 - 44				30,716	1,929		3,025			4,529					
TOTAL FOR MAP NO. 2											1.61					30,716	1,929		3,025			4,529				
TOTAL FOR PROJ NO. 2023CPT.03.01.10651											3.22					61,964	3,858		8,508			8,748				
																	3,858									
2023CPT.03.01.20651	New Hanover	3	SR 1323 (MUTUAL ROAD)	FROM SR 1322 (N. KERR AVE.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	3	2	2WU	NO	NO	0.08	20		12					56	65	52						
TOTAL FOR MAP NO. 3											0.08					12			56	65	52					
2023CPT.03.01.20651	New Hanover	4	SR 1322 (NORTH KERR AVENUE)	FROM NC 133 (CASTLE HAYNE RD.) TO .10 MI. WEST OF SR 1175 (N. KERR AVE.) [MP 0.00 - MP 2.42]	2	2	2WU	NO	NO	2.42	24		358				600	525	3,620	10						
TOTAL FOR MAP NO. 4											2.42					358			600	525	3,620	10				
TOTAL FOR PROJ NO. 2023CPT.03.01.20651											2.50					370			600	581	3,685	62				
																		600								
2023CPT.03.01.20652	New Hanover	5	SR 2703 (TRADEMARK DRIVE)	FROM US 117 HWY. (N. COLLEGE RD.) TO SR 2683 (ENTERPRISE DR.) [MP 0.00 - MP 0.14]	4	2	2WU	NO	NO	0.14	24										109					
TOTAL FOR MAP NO. 5											0.14											109				
2023CPT.03.01.20652	New Hanover	6	SR 1340 (OLD BRIDGE SITE ROAD)	FROM US 117 HWY. (CASTLE HAYNE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.84]	4	2	2WU	NO	NO	0.84	21										571					
TOTAL FOR MAP NO. 6											0.84											571				
TOTAL FOR PROJ NO. 2023CPT.03.01.20652											0.98											680				
2023CPT.03.01.20651.1	New Hanover	7	NC STATE PORT	PATCHING EXISTING PAVEMENT ON NC STATE PORT PROPERTY	N/A	2		NO	NO	N/A	24															
TOTAL FOR MAP NO. 7											0															
TOTAL FOR PROJ NO. 2023CPT.03.01.20651.1											0															
GRAND TOTAL											6.70					370			61,964	3,858	600	9,089	3,685	62	8,748	680
																		4,458								

PROJECT NO.	SHEET NO.
2023CPT.03.01.10651, 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	1575000000-E	1705500000-E	1880000000-E		2815000000-N	2830000000-N	2845000000-N	5255000000-N	6000000000-E		
												ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (MILL)	LEVELING COURSE, S4.75A GENERIC	PATCHING EXISTING PAVEMENT I19.0C (MILL) GENERIC	ADJUSTMENT OF DROP INLET	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER OR VALVE BOX	PORTABLE LIGHTING	TEMPORARY SILT FENCE		
												MI	FT	TON	TON	TON	TON	EA	EA	EA	LS	LF
2023CPT.03.01.10651	New Hanover	1	US 17 (OLEANDER DRIVE) EASTBOUND	FROM HAWTHORNE RD. (NON-SYSTEM) TO .09 MI. WEST OF PINE GROVE RD. [MP 3.06 - MP 4.67]	1	3	MD	NO	NO	1.61	32 - 44			249			1	51	23	0.30		
TOTAL FOR MAP NO. 1										1.61		249			1	51	23	0.30				
2023CPT.03.01.10651	New Hanover	2	US 17 (OLEANDER DRIVE) WESTBOUND	FROM .09 MI. WEST OF PINE GROVE DR. (NON-SYSTEM) TO HAWTHORNE RD. (NON-SYSTEM) [MP 11.56 - MP 13.17]	1	3	MD	NO	NO	1.61	32 - 44			267				44	33	0.30		
TOTAL FOR MAP NO. 2										1.61		267				44	33	0.30				
TOTAL FOR PROJ NO. 2023CPT.03.01.10651										3.22		516			1	95	56	0.60				
2023CPT.03.01.20651	New Hanover	3	SR 1323 (MUTUAL ROAD)	FROM SR 1322 (N. KERR AVE.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	3	2	2WU	NO	NO	0.08	20			8							10	
TOTAL FOR MAP NO. 3										0.08		8								10		
2023CPT.03.01.20651	New Hanover	4	SR 1322 (NORTH KERR AVENUE)	FROM NC 133 (CASTLE HAYNE RD.) TO .10 MI. WEST OF SR 1175 (N. KERR AVE.) [MP 0.00 - MP 2.42]	2	2	2WU	NO	NO	2.42	24			283	972					0.40	234	
TOTAL FOR MAP NO. 4										2.42		283	972						0.40	234		
TOTAL FOR PROJ NO. 2023CPT.03.01.20651										2.50		291	972						0.40	244		
2023CPT.03.01.20652	New Hanover	5	SR 2703 (TRADEMARK DRIVE)	FROM US 117 HWY. (N. COLLEGE RD.) TO SR 2683 (ENTERPRISE DR.) [MP 0.00 - MP 0.14]	4	2	2WU	NO	NO	0.14	24			8	5	10					1	
TOTAL FOR MAP NO. 5										0.14		8	5	10					1			
2023CPT.03.01.20652	New Hanover	6	SR 1340 (OLD BRIDGE SITE ROAD)	FROM US 117 HWY. (CASTLE HAYNE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.84]	4	2	2WU	NO	NO	0.84	21			41	15	15						
TOTAL FOR MAP NO. 6										0.84		41	15	15								
TOTAL FOR PROJ NO. 2023CPT.03.01.20652										0.98		49	20	25				1				
2023CPT.03.01.20651.1	New Hanover	7	NC STATE PORT	PATCHING EXISTING PAVEMENT ON NC STATE PORT PROPERTY	N/A	2		NO	NO	N/A	24			46								
TOTAL FOR MAP NO. 7										0		46		950								
TOTAL FOR PROJ NO. 2023CPT.03.01.20651.1										0		46		950								
GRAND TOTAL										6.70		902	992	25	950	1	96	56	1.00	244		
													992	975								

PROJECT NO.	SHEET NO.
2023CPT.03.01.10651, Etc.	11

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	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E	6036000000-E	6042000000-E	6071010000-E	6084000000-E		
												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	WATTLE	SEED & MULCHING		
											MI	FT	TON	TON	ACR	LBS	TON	SY	LF	LF	AC	
2023CPT.03.01.10651	New Hanover	1	US 17 (OLEANDER DRIVE) EASTBOUND	FROM HAWTHORNE RD. (NON-SYSTEM) TO .09 MI. WEST OF PINE GROVE RD. [MP 3.06 - MP 4.67]	1	3	MD	NO	NO	1.61	32 - 44											
TOTAL FOR MAP NO. 1											1.61											
2023CPT.03.01.10651	New Hanover	2	US 17 (OLEANDER DRIVE) WESTBOUND	FROM .09 MI. WEST OF PINE GROVE DR. (NON-SYSTEM) TO HAWTHORNE RD. (NON-SYSTEM) [MP 11.56 - MP 13.17]	1	3	MD	NO	NO	1.61	32 - 44											
TOTAL FOR MAP NO. 2											1.61											
TOTAL FOR PROJ NO. 2023CPT.03.01.10651											3.22											
2023CPT.03.01.20651	New Hanover	3	SR 1323 (MUTUAL ROAD)	FROM SR 1322 (N. KERR AVE.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	3	2	2WU	NO	NO	0.08	20	5	5	0.08	4	0.02	10	10	10	10	0.08	
TOTAL FOR MAP NO. 3											0.08		5	5	0.08	4	0.02	10	10	10	10	0.08
2023CPT.03.01.20651	New Hanover	4	SR 1322 (NORTH KERR AVENUE)	FROM NC 133 (CASTLE HAYNE RD.) TO .10 MI. WEST OF SR 1175 (N. KERR AVE.) [MP 0.00 - MP 2.42]	2	2	2WU	NO	NO	2.42	24	59	59	2.34	117	0.59	20	120	40	2.27		
TOTAL FOR MAP NO. 4											2.42		59	59	2.34	117	0.59	20	120	40	2.27	
TOTAL FOR PROJ NO. 2023CPT.03.01.20651											2.50		64	64	2.42	121	0.61	30	130	50	2.35	
2023CPT.03.01.20652	New Hanover	5	SR 2703 (TRADEMARK DRIVE)	FROM US 117 HWY. (N. COLLEGE RD.) TO SR 2683 (ENTERPRISE DR.) [MP 0.00 - MP 0.14]	4	2	2WU	NO	NO	0.14	24											
TOTAL FOR MAP NO. 5											0.14											
2023CPT.03.01.20652	New Hanover	6	SR 1340 (OLD BRIDGE SITE ROAD)	FROM US 117 HWY. (CASTLE HAYNE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.84]	4	2	2WU	NO	NO	0.84	21											
TOTAL FOR MAP NO. 6											0.84											
TOTAL FOR PROJ NO. 2023CPT.03.01.20652											0.98											
2023CPT.03.01.20651.1	New Hanover	7	NC STATE PORT	PATCHING EXISTING PAVEMENT ON NC STATE PORT PROPERTY	N/A	2		NO	NO	N/A	24											
TOTAL FOR MAP NO. 7											0											
TOTAL FOR PROJ NO. 2023CPT.03.01.20651.1											0											
GRAND TOTAL											6.70		64	64	2.42	121	0.61	30	130	50	2.35	

PROJECT NO.	SHEET NO.
2023CPT.03.01.10651, 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	6090000000-E	6093000000-E	6117000000-N	7060000000-E	7120000000-E	7324000000-N	7420000000-E	7444000000-E	7456000000-E		
												SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL	SIGNAL CABLE 16-7	VEHICLE SIGNAL HEAD (12", 3 SECTION)	JUNCTION BOX (STANDARD SIZE)	2" RISER WITH WEATHERHEAD	INDUCTIVE LOOP SAWCUT	LEAD-IN CABLE (14-2)		
											MI	FT	LB	TON	EA	LF	EA	EA	EA	LF	LF	
2023CPT.03.01.10651	New Hanover	1	US 17 (OLEANDER DRIVE) EASTBOUND	FROM HAWTHORNE RD. (NON-SYSTEM) TO .09 MI. WEST OF PINE GROVE RD. [MP 3.06 - MP 4.67]	1	3	MD	NO	NO	1.61	32 - 44					300	2	13	7	9,490	350	
TOTAL FOR MAP NO. 1											1.61					300	2	13	7	9,490	350	
2023CPT.03.01.10651	New Hanover	2	US 17 (OLEANDER DRIVE) WESTBOUND	FROM .09 MI. WEST OF PINE GROVE DR. (NON-SYSTEM) TO HAWTHORNE RD. (NON-SYSTEM) [MP 11.56 - MP 13.17]	1	3	MD	NO	NO	1.61	32 - 44											
TOTAL FOR MAP NO. 2											1.61											
TOTAL FOR PROJ NO. 2023CPT.03.01.10651											3.22					300	2	13	7	9,490	350	
2023CPT.03.01.20651	New Hanover	3	SR 1323 (MUTUAL ROAD)	FROM SR 1322 (N. KERR AVE.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	3	2	2WU	NO	NO	0.08	20	4	0.02	2								
TOTAL FOR MAP NO. 3											0.08		4	0.02	2							
2023CPT.03.01.20651	New Hanover	4	SR 1322 (NORTH KERR AVENUE)	FROM NC 133 (CASTLE HAYNE RD.) TO .10 MI. WEST OF SR 1175 (N. KERR AVE.) [MP 0.00 - MP 2.42]	2	2	2WU	NO	NO	2.42	24	117	0.59	6						450		
TOTAL FOR MAP NO. 4											2.42		117	0.59	6						450	
TOTAL FOR PROJ NO. 2023CPT.03.01.20651											2.50		121	0.61	8						450	
2023CPT.03.01.20652	New Hanover	5	SR 2703 (TRADEMARK DRIVE)	FROM US 117 HWY. (N. COLLEGE RD.) TO SR 2683 (ENTERPRISE DR.) [MP 0.00 - MP 0.14]	4	2	2WU	NO	NO	0.14	24											
TOTAL FOR MAP NO. 5											0.14											
2023CPT.03.01.20652	New Hanover	6	SR 1340 (OLD BRIDGE SITE ROAD)	FROM US 117 HWY. (CASTLE HAYNE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.84]	4	2	2WU	NO	NO	0.84	21											
TOTAL FOR MAP NO. 6											0.84											
TOTAL FOR PROJ NO. 2023CPT.03.01.20652											0.98											
2023CPT.03.01.20651.1	New Hanover	7	NC STATE PORT	PATCHING EXISTING PAVEMENT ON NC STATE PORT PROPERTY	N/A	2		NO	NO	N/A	24											
TOTAL FOR MAP NO. 7											0											
TOTAL FOR PROJ NO. 2023CPT.03.01.20651.1											0											
GRAND TOTAL											6.70		121	0.61	8	300	2	13	7	9,940	350	

PROJECT NO.	SHEET NO.
2023CPT.03.01.10651, Etc.	13

THERMOPLASTIC AND PAINT QUANTITIES

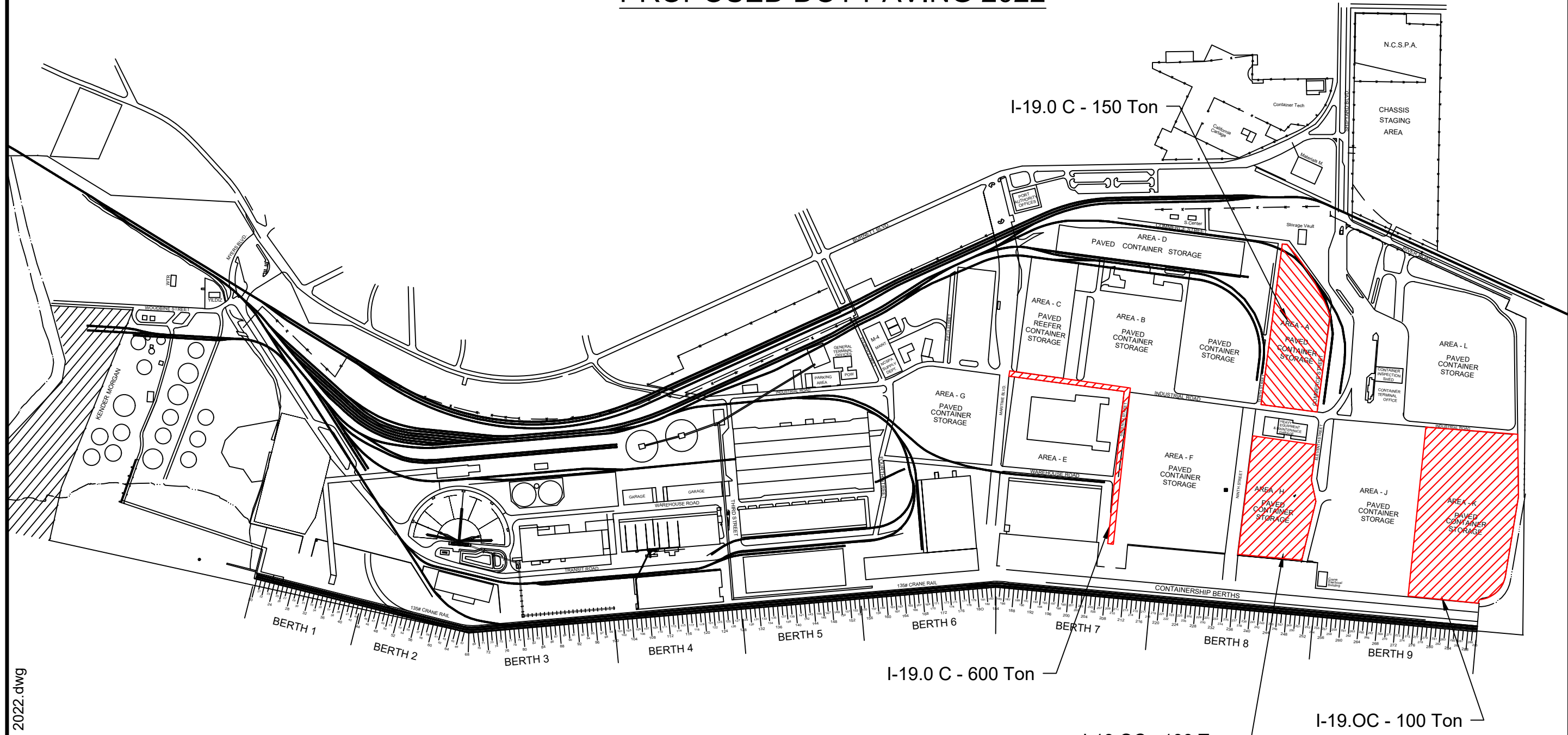
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH		WORK ZONE ADVANCE/GENERAL WARNING SIGNING	FLASHING ARROW BOARD	PORT CHANG MSG SIGN	SEQUENTIAL FLASHING WARNING LIGHTS	TEMPORARY TRAFFIC CONTROL	TMA	LAW ENFORCEMENT	468500000-E		469500000-E		470400000-E	470900000-E		
								MI	FT								SF	EA	EA	EA	LS	EA	HR	LF
2023CPT.03.01.10651	New Hanover	1	US 17 (OLEANDER DRIVE) EASTBOUND	FROM HAWTHORNE RD. (NON-SYSTEM) TO .09 MI. WEST OF PINE GROVE RD. [MP 3.06 - MP 4.67]	1	3	MD	1.61	32 - 44	80	2	1	15	0.32	2	320	1,463	6,596	220	110		1,234		
TOTAL FOR MAP NO. 1								1.61		80	2	1	15	0.32	2	320	1,463	6,596	220	110		1,234		
2023CPT.03.01.10651	NewHanover	2	US 17 (OLEANDER DRIVE) WESTBOUND	FROM .09 MI. WEST OF PINE GROVE DR. (NON-SYSTEM) TO HAWTHORNE RD. (NON-SYSTEM) [MP 11.56 - MP 13.17]	1	3	MD	1.61	32 - 44	80	2	1	15	0.32	2	320	463	3,456				978		
TOTAL FOR MAP NO. 2								1.61		80	2	1	15	0.32	2	320	463	3,456					978	
TOTAL FOR PROJ NO. 2023CPT.03.01.10651								3.22		160	4	2	30	0.64	4	640		1,926	10,052	220	110		2,212	
																	11,978		330					
2023CPT.03.01.20651	New Hanover	3	SR 1323 (MUTUAL ROAD)	FROM SR 1322 (N. KERR AVE.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	3	2	2WU	0.08	20					0.04										
TOTAL FOR MAP NO. 3								0.08							0.04									
2023CPT.03.01.20651	NewHanover	4	SR 1322 (NORTH KERR AVENUE)	FROM NC 133 (CASTLE HAYNE RD.) TO .10 MI. WEST OF SR 1175 (N. KERR AVE.) [MP 0.00 - MP 2.42]	2	2	2WU	2.42	24	272	2	2	30	0.19	2	80	22,413	26,789	103	267	80	244		
TOTAL FOR MAP NO. 4								2.42		272	2	2	30	0.19	2	80	22,413	26,789	103	267	80	244		
TOTAL FOR PROJ NO. 2023CPT.03.01.20651								2.50		272	2	2	30	0.23	2	80	22,413	26,789	103	267	80	244		
																	49,202		370					
2023CPT.03.01.20652	New Hanover	5	SR 2703 (TRADEMARK DRIVE)	FROM US 117 HWY. (N. COLLEGE RD.) TO SR 2683 (ENTERPRISE DR.) [MP 0.00 - MP 0.14]	4	2	2WU	0.14	24					0.04										
TOTAL FOR MAP NO. 5								0.14							0.04									
2023CPT.03.01.20652	New Hanover	6	SR 1340 (OLD BRIDGE SITE ROAD)	FROM US 117 HWY. (CASTLE HAYNE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.84]	4	2	2WU	0.84	21					0.09										
TOTAL FOR MAP NO. 6								0.84							0.09									
TOTAL FOR PROJ NO. 2023CPT.03.01.20652								0.98							0.13									
2023CPT.03.01.20651.1	New Hanover	7	NC STATE PORT	PATCHING EXISTING PAVEMENT ON NC STATE PORT PROPERTY	N/A	2		N/A	24															
TOTAL FOR MAP NO. 7								0																
TOTAL FOR PROJ NO. 2023CPT.03.01.20651.1								0																
GRAND TOTAL								6.70		432	6	4	60	1.00	6	720		24,339	36,841	323	377	80	2,456	
																	61,180		700					

PROJECT NO.	SHEET NO.
2023CPT.03.01.10651, Etc.	14

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	472000000-E			4725000000-E				4810000000-E		4900000000-N	4905100000-N			
										THERMO MSG ONLY (90 MIL)	THERMO MSG BUS 90M	THERMO RXR 90 MILS	THERMO STR ARROW 90 M	THERMO RT ARROW 90 M	THERMO LT ARROW 90 M	THERMO STR & RT ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	YELLOW & YELLOW MARKERS	NON CAST IRON SNOW PLOWABLE MARKERS (C/R)	NON CAST IRON SNOW PLOWABLE MARKERS (Y/Y)		
										EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA		
2023CPT.03.01.10651	New Hanover	1	US 17 (OLEANDER DRIVE) EASTBOUND	FROM HAWTHORNE RD. (NON-SYSTEM) TO .09 MI. WEST OF PINE GROVE RD. [MP 3.06 - MP 4.67]	1	3	MD	1.61	32 - 44				46	10	30	18			334	433	5		
TOTAL FOR MAP NO. 1									1.61			46	10	30	18			334	433	5			
2023CPT.03.01.10651	New Hanover	2	US 17 (OLEANDER DRIVE) WESTBOUND	FROM .09 MI. WEST OF PINE GROVE DR. (NON-SYSTEM) TO HAWTHORNE RD. (NON-SYSTEM) [MP 11.56 - MP 13.17]	1	3	MD	1.61	32 - 44				32	8	25	14			306	286	5		
TOTAL FOR MAP NO. 2									1.61			32	8	25	14			306	286	5			
TOTAL FOR PROJ NO. 2023CPT.03.01.10651									3.22			78	18	55	32			640	719	10			
										43			183						729				
2023CPT.03.01.20651	New Hanover	3	SR 1323 (MUTUAL ROAD)	FROM SR 1322 (N. KERR AVE.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	3	2	2WU	0.08	20														
TOTAL FOR MAP NO. 3									0.08														
2023CPT.03.01.20651	New Hanover	4	SR 1322 (NORTH KERR AVENUE)	FROM NC 133 (CASTLE HAYNE RD.) TO .10 MI. WEST OF SR 1175 (N. KERR AVE.) [MP 0.00 - MP 2.42]	2	2	2WU	2.42	24				4	6	9	33	4			45	356		
TOTAL FOR MAP NO. 4									2.42			4	6	9	33	4			45	356			
TOTAL FOR PROJ NO. 2023CPT.03.01.20651									2.50			6	9	33	4			45	356				
										4			52						401				
2023CPT.03.01.20652	New Hanover	5	SR 2703 (TRADEMARK DRIVE)	FROM US 117 HWY. (N. COLLEGE RD.) TO SR 2683 (ENTERPRISE DR.) [MP 0.00 - MP 0.14]	4	2	2WU	0.14	24														
TOTAL FOR MAP NO. 5									0.14														
2023CPT.03.01.20652	New Hanover	6	SR 1340 (OLD BRIDGE SITE ROAD)	FROM US 117 HWY. (CASTLE HAYNE RD.) TO END OF MAINTENANCE [MP 0.00 - MP 0.84]	4	2	2WU	0.84	21								17,646	13,764	55				
TOTAL FOR MAP NO. 6									0.84							17,646	13,764	55					
TOTAL FOR PROJ NO. 2023CPT.03.01.20652									0.98							17,646	13,764	55					
																31,410							
2023CPT.03.01.20651.1	New Hanover	7	NC STATE PORT	PATCHING EXISTING PAVEMENT ON NC STATE PORT PROPERTY	N/A	2		N/A	24								16,000	16,000					
TOTAL FOR MAP NO. 7									0							16,000	16,000						
TOTAL FOR PROJ NO. 2023CPT.03.01.20651.1									0							16,000	16,000						
																32,000							
GRAND TOTAL									6.70			40	3	4	84	27	88	36	33,646	29,764	695	764	366
										47			235				63,410		1,130				

PROPOSED DOT PAVING 2022



POW Paving Locations Map 2022.dwg

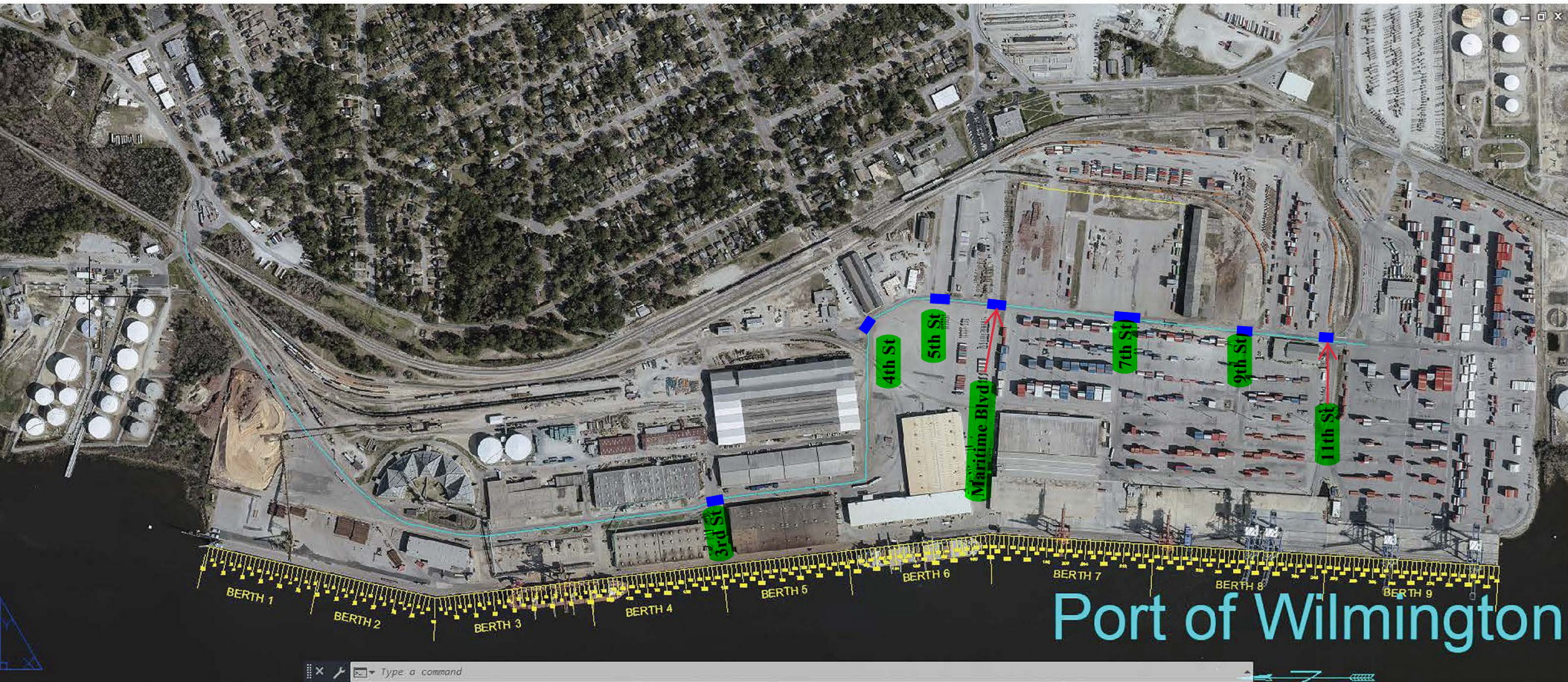
NOTES:

1. All areas are approximate locations and quantities are subject to change.
2. All repairs are 2" - 2 1/2" mill / fill.
3. Assume 950 Tons I-19.0 C Total.
4. Full road closures not allowed without coordination with (NCSPA Operations).
5. All work will occur from hours of 6pm to 6am (Monday - Sunday).

POW Paving Locations Map 2022.dwg
 The North Carolina State Ports Authority does not and cannot guarantee the accuracy of this drawing(s).
 Use of the information and data contained within this drawing(s) is at your sole risk. If you rely on this information
 on this drawing you are responsible for ensuring by independent verification its accuracy, currency or completeness.

REV#	DESCRIPTION	DATE	ISSUED BY	APP BY
A		10/07/2020		BWA
NORTH CAROLINA STATE PORTS AUTHORITY DEPARTMENT OF ENGINEERING AND MAINTENANCE PO BOX 9102 WILMINGTON, NC 28402 MARK A. BLAKE, P.E. DIRECTOR				
DESIGNED BY:	DRAWN BY:	CHECKED BY:	PROJ. MAN.	
NAME	RDM	BWA	BS	
NORTH CAROLINA STATE PORTS AUTHORITY Asphalt Patching Locations Proposed DOT Paving - 2022 Port of Wilmington				
SHEET# 1				
SCALE: AS SHOWN				
PROJECT # N/A				
GA				

Proposed Pavement Marking Location



Blue Squares = Intersections

32,000+/- LF of striping

(1) one coat of paint for Double Yellow (centerline)

(1) one coat of paint for White (edge line)

Start at end of new South Gate Painting

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING & PAVEMENT MARKING PLAN
NEW HANOVER COUNTY**

LOCATION: SOUTH 41ST STREET AND OLEANDER DRIVE

PROJECT REFERENCE NO.	SHEET NO.
	SIGN- 1
APPROVED: _____	
DATE: <u>8/31/2022</u>	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES 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
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE

GENERAL NOTES

SIGNING NOTES

- . SIGNS FURNISHED BY STATE
- . CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.

PAVEMENT MARKING NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:
- | | | |
|----------------|---------------|----------------------------|
| ROAD NAME | MARKING | MARKER |
| OLEANDER DRIVE | THERMOPLASTIC | NON-CAST IRON SNOWPLOWABLE |
| S 41ST ST | THERMOPLASTIC | NONE |
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

SUMMARY OF QUANTITIES

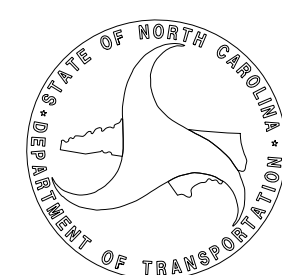
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4026000000	902	DEPARTMENT FURNISHED, TYPE E SIGN	9	S.F.
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	14	L.F.
4102000000	904	SIGN ERECTION, TYPE E	1	EA.
4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	3011	L.F.
4695000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	330	L.F.
4709000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	288	L.F.
4725000000-E	1205	THERMOPLASTIC (90 MILS)	53	EA.
4905100000-E	SP	NON-CAST IRON SNOWPLOWABLE MARKER	116	EA.

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING
SIGN-3	TYPE "E" SIGNS
SIGN-4-5	SIGNING AND PAVEMENT MARKING PLAN SHEETS

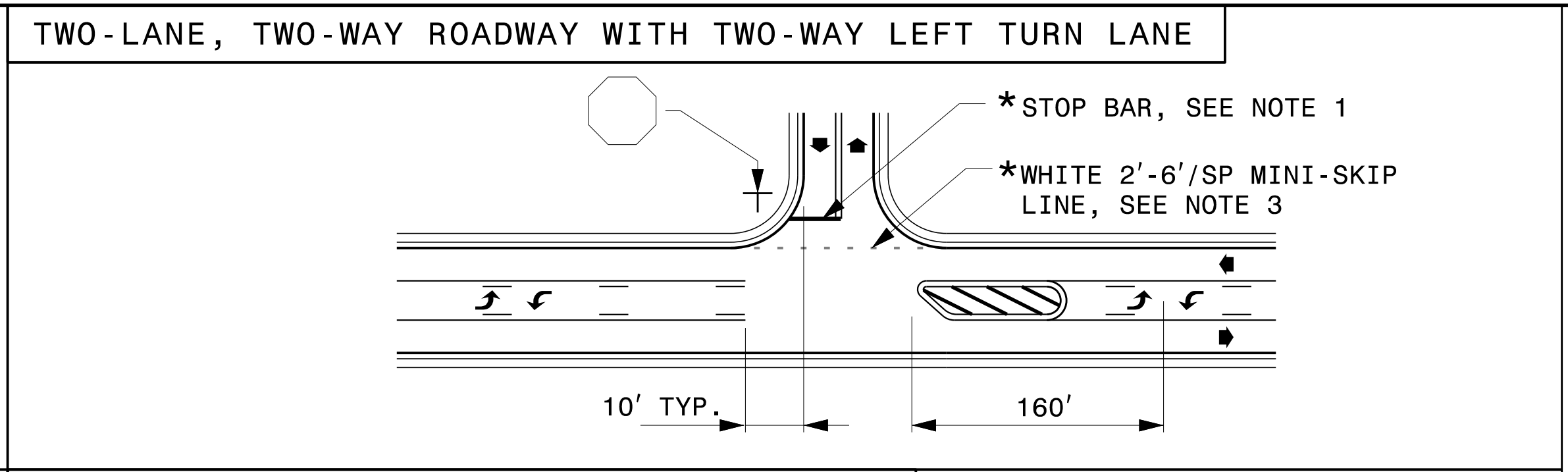
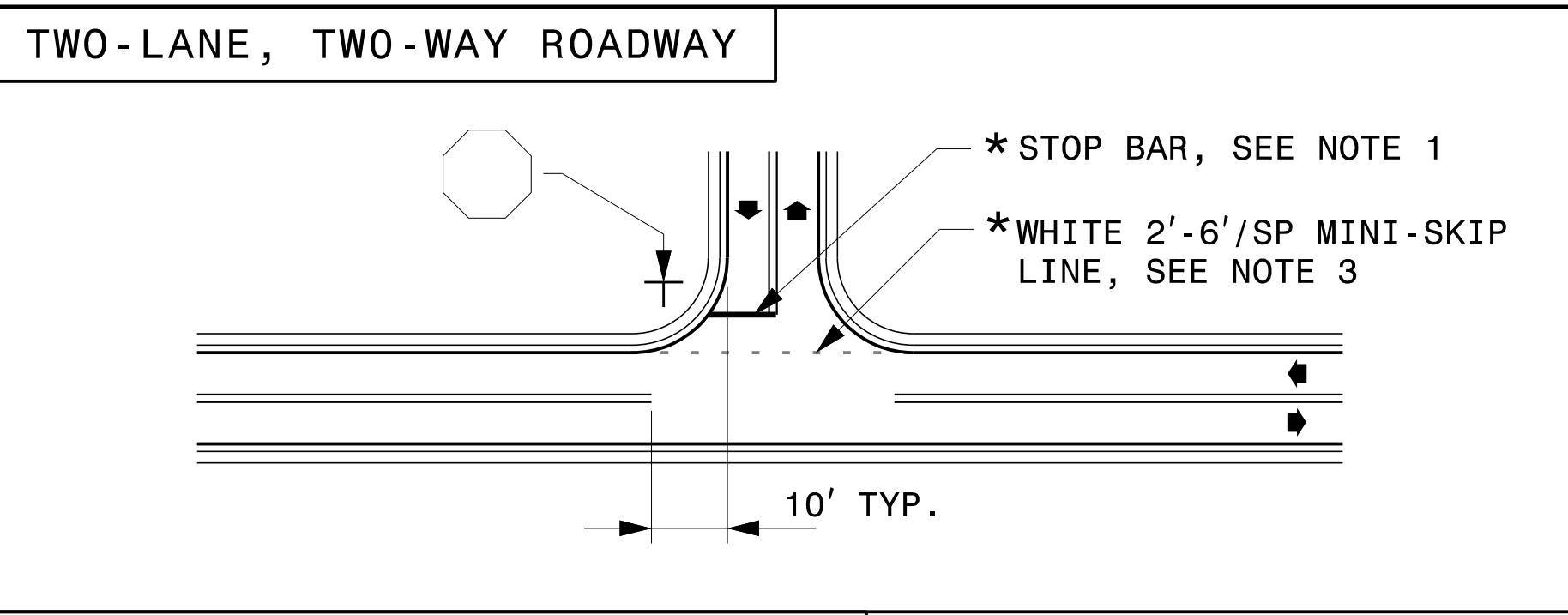
PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

AYMAN ALQUDWAH SIGNING & DELINEATION REGIONAL ENGINEER
ANDREW SCOTT SIGNING & DELINEATION PROJECT DESIGN ENGINEER

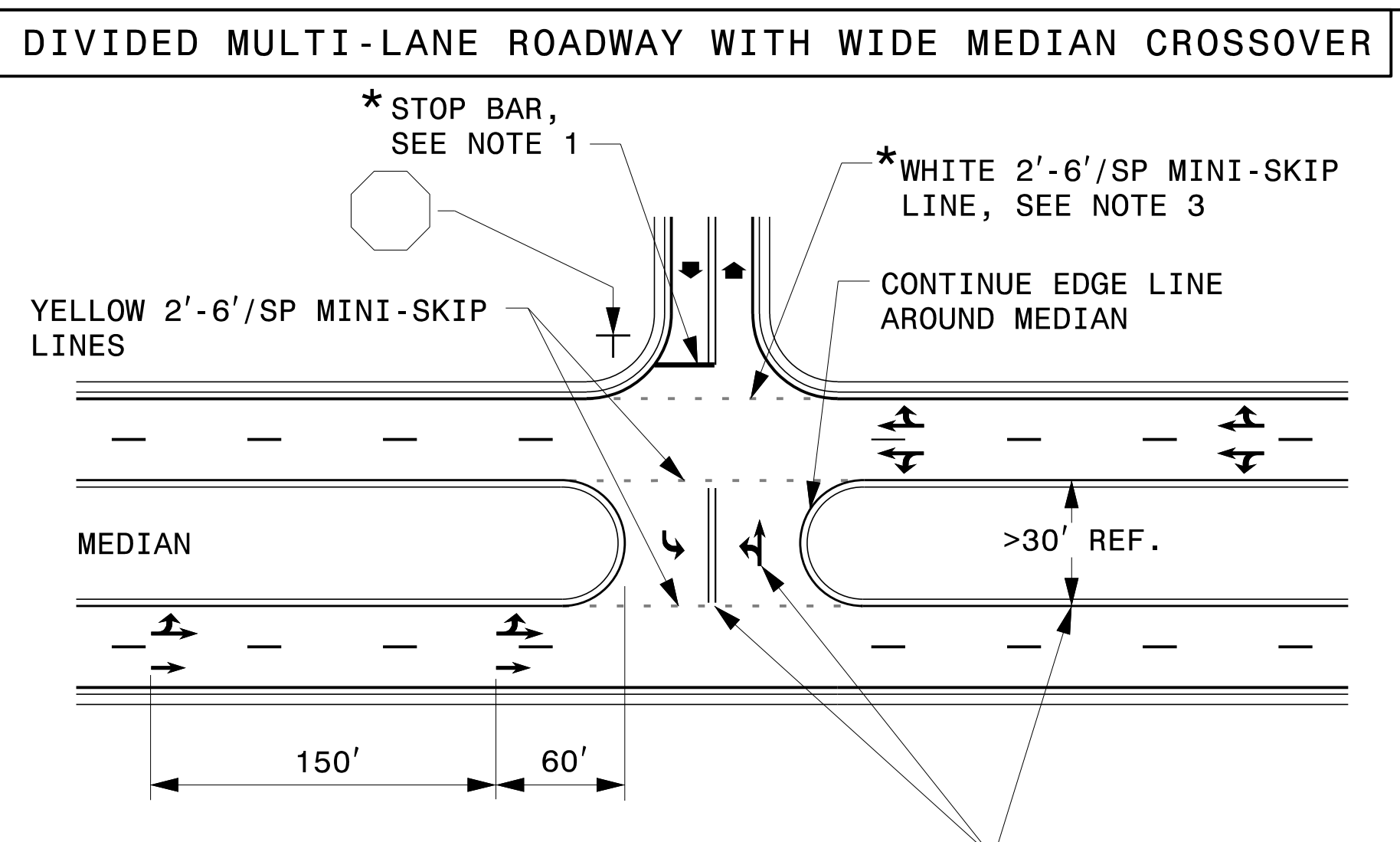
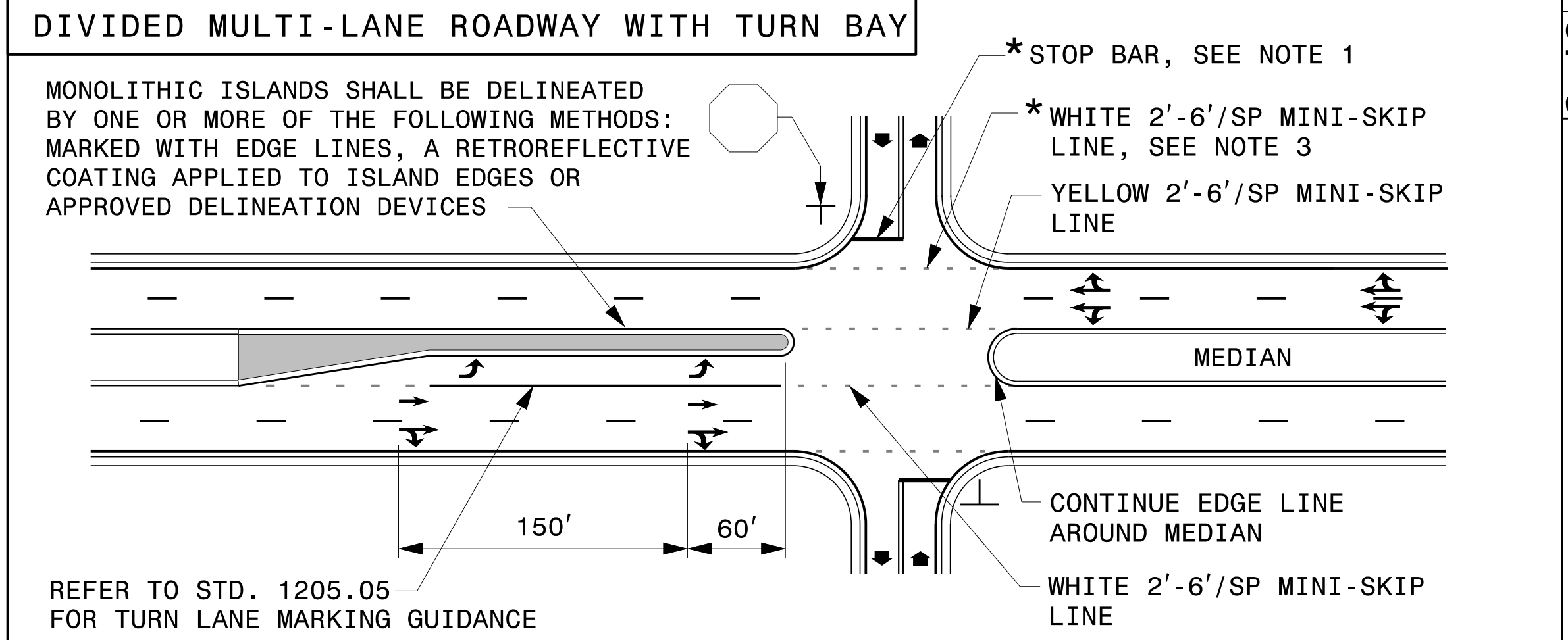
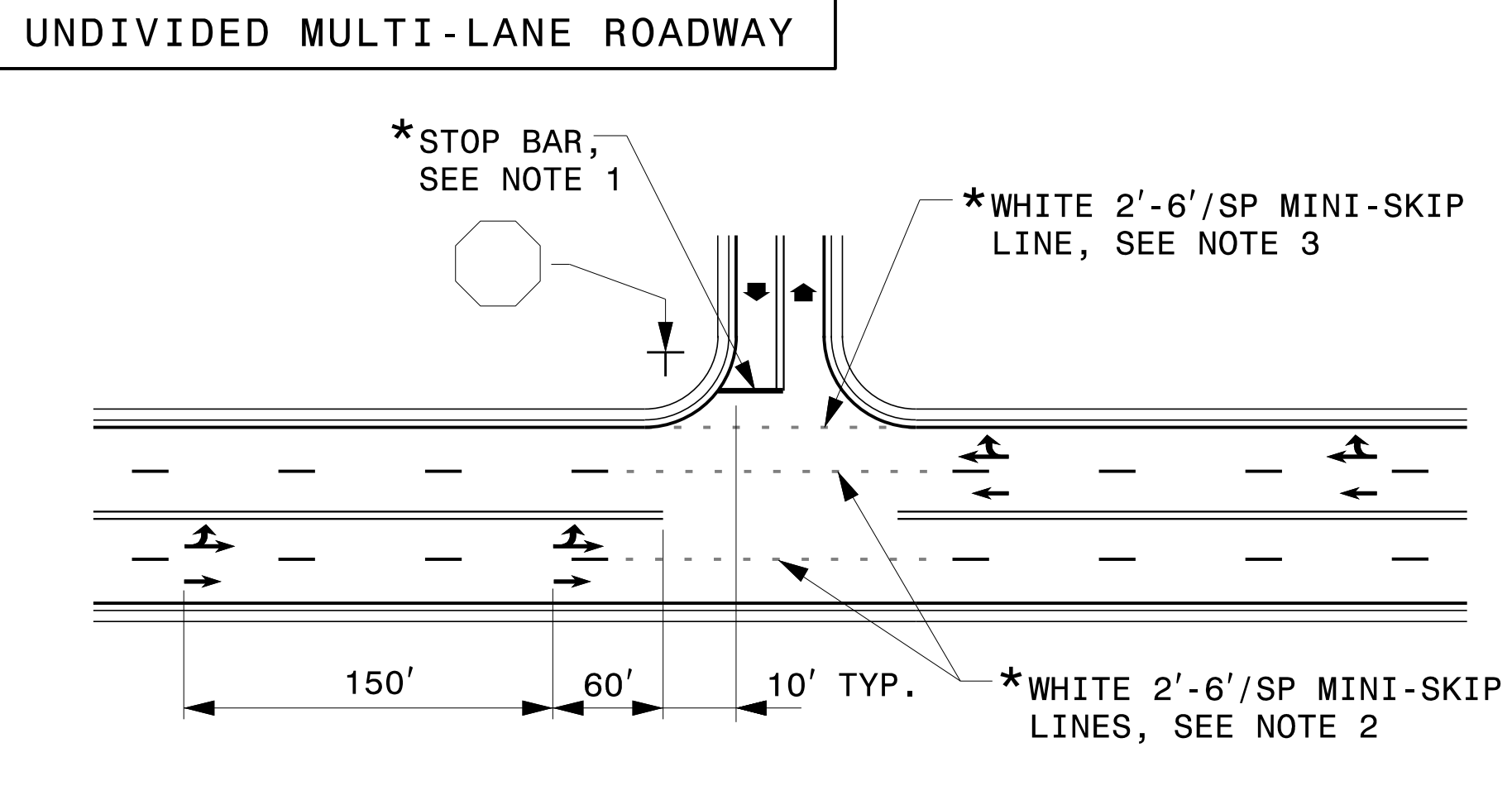


08/31/22 9:58:00 Eastern\Andrew\Special Projects\Wilmington-Oleander at 41st\Revisions\Engseed_Templates.dgn

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



ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
INTERSECTIONS



- GENERAL NOTES:
- 1- PLACEMENT OF STOP BARS AT NON-SIGNALIZED INTERSECTIONS IS OPTIONAL AND USED WHERE IT IS IMPORTANT TO INDICATE THE POINT WHICH VEHICLES ARE REQUIRED TO STOP. PLACE STOP BARS NO LESS THAN 4 FEET AND NO MORE THAN 30 FEET FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY. USE 10 FEET AS THE TYPICAL SETBACK DISTANCE OR AS DIRECTED BY THE ENGINEER.
 - 2- MINI-SKIP LANE LINE EXTENSIONS SHOULD BE USED AT INTERSECTIONS THAT HAVE REDUCED VISIBILITY CONDITIONS SUCH AS OFFSET, SKEWED, OR CURVED ROADWAYS.
 - 3- MINI-SKIP EDGE LINE EXTENSIONS MAY BE PLACED THROUGH INTERSECTIONS AND MAJOR DRIVEWAYS.
 - 4- REFER TO ROADWAY STANDARD DRAWINGS 1205.01, 1205.02, 1205.05, 1205.08 AND 1205.09 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

LEGEND	
STOP SIGN	STATIONARY SIGN
DIRECTION OF TRAFFIC FLOW	PAVEMENT MARKING SYMBOLS
* OPTIONAL	

SHEET 2 OF 2
1205D04

USE DOUBLE YELLOW CENTER LINE AND ARROW SYMBOLS IN MEDIAN CROSSOVER WHEN WIDTH OF MEDIAN EXCEEDS 30 FT, OTHERWISE THEY ARE NOT REQUIRED.

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

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
INTERSECTIONS

SHEET 2 OF 2
1205D04

REVISED PAVEMENT MARKING ROADWAY STANDARD DRAWING

APPROVED: _____
 DATE: 8/31/2022

SEAL

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

401 QUANTITY REQ'D 1



ONE "U" POST PER SIGN

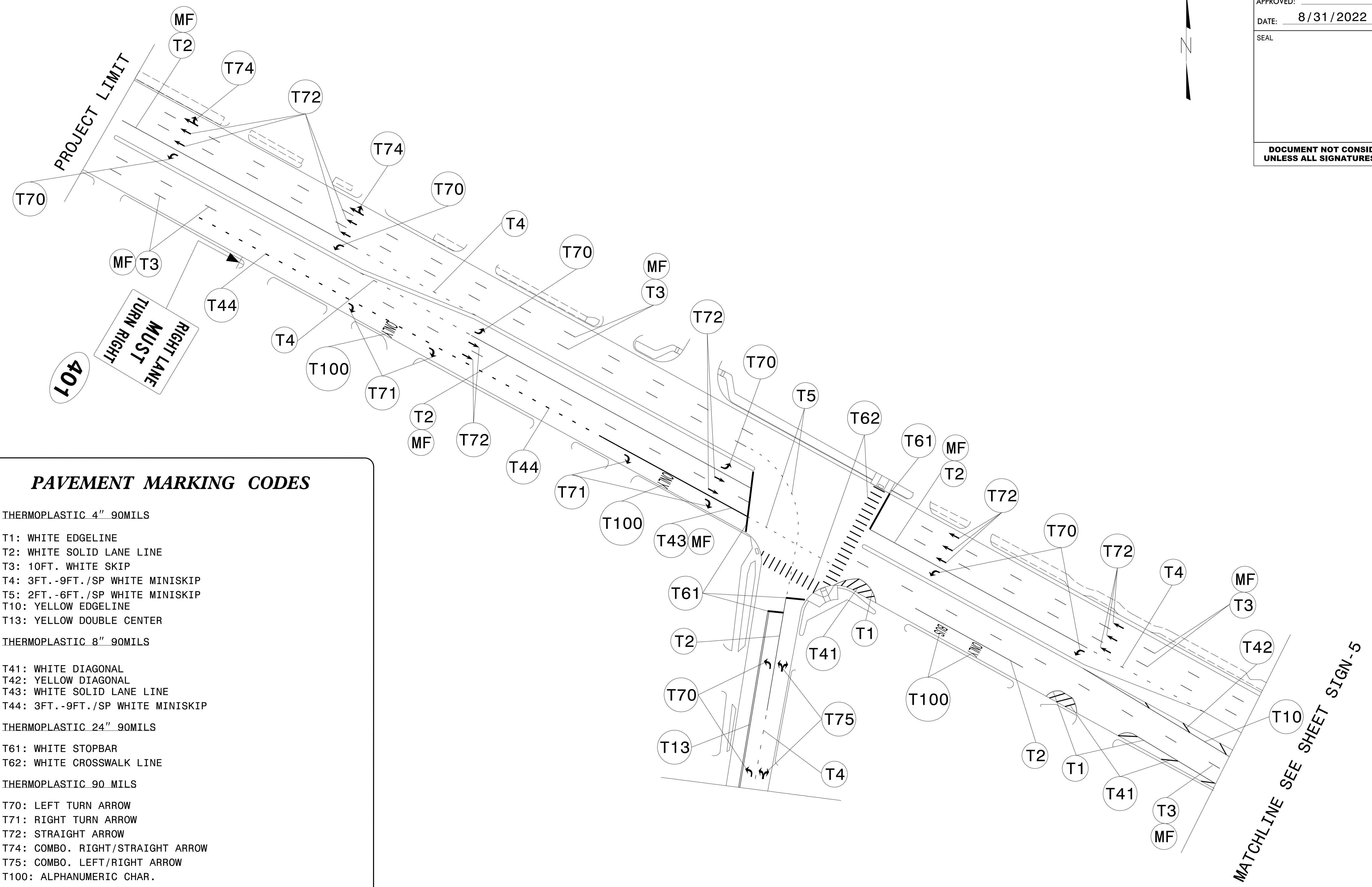
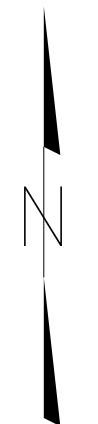
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 User: ascott8

TYPE "E" SIGNS

APPROVED: _____
 DATE: 8/31/2022

SEAL

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



PAVEMENT MARKING CODES

THERMOPLASTIC 4" 90MILS

- T1: WHITE EDGELINE
- T2: WHITE SOLID LANE LINE
- T3: 10FT. WHITE SKIP
- T4: 3FT.-9FT./SP WHITE MINISKIP
- T5: 2FT.-6FT./SP WHITE MINISKIP
- T10: YELLOW EDGELINE
- T13: YELLOW DOUBLE CENTER

THERMOPLASTIC 8" 90MILS

- T41: WHITE DIAGONAL
- T42: YELLOW DIAGONAL
- T43: WHITE SOLID LANE LINE
- T44: 3FT.-9FT./SP WHITE MINISKIP

THERMOPLASTIC 24" 90MILS

- T61: WHITE STOPBAR
- T62: WHITE CROSSWALK LINE

THERMOPLASTIC 90 MILS

- T70: LEFT TURN ARROW
- T71: RIGHT TURN ARROW
- T72: STRAIGHT ARROW
- T74: COMBO. RIGHT/STRAIGHT ARROW
- T75: COMBO. LEFT/RIGHT ARROW
- T100: ALPHANUMERIC CHAR.

PAVEMENT MARKERS

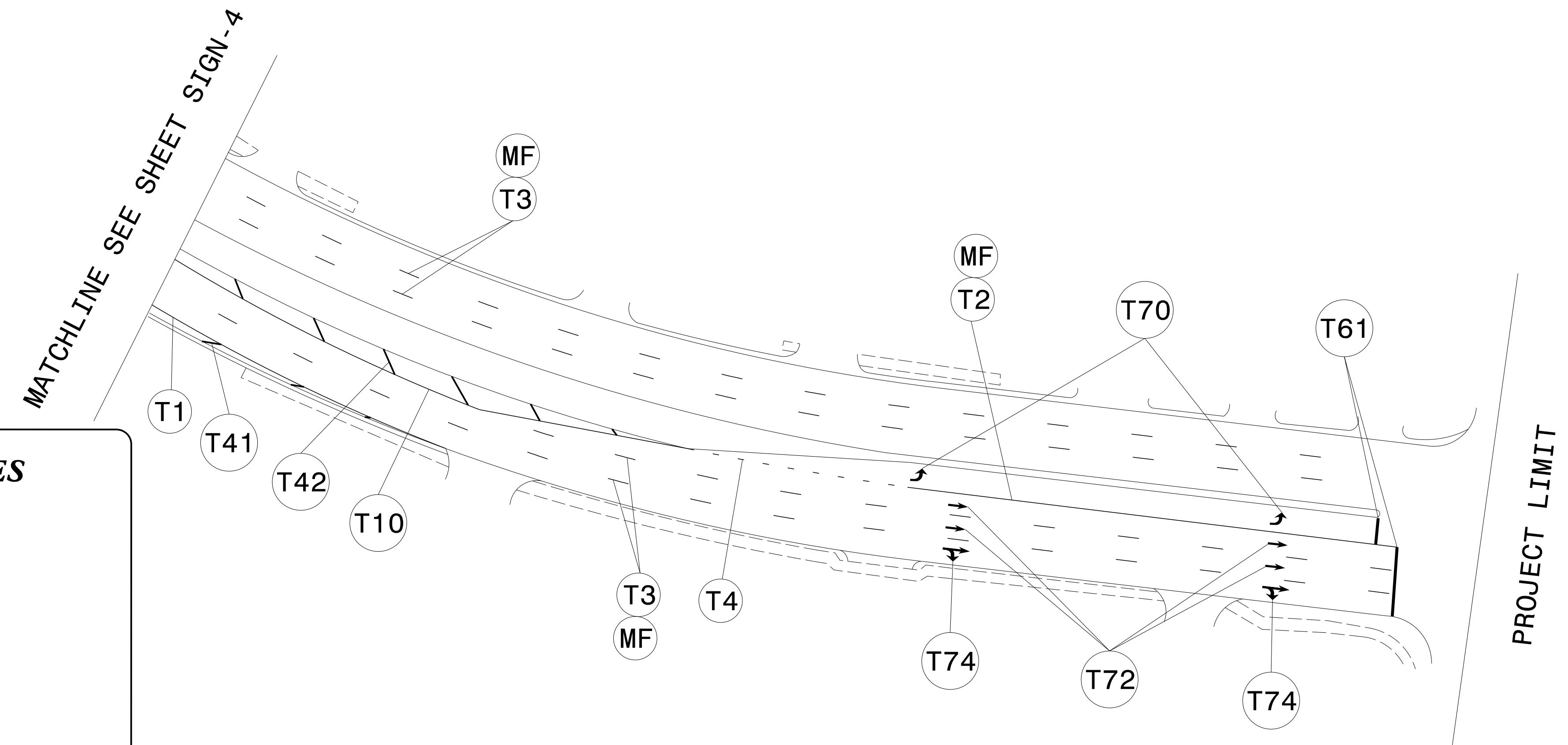
MF: NON-CAST IRON SNOWPLOWABLE MARKER, CRYSTAL AND RED

**SIGNING AND
 PAVEMENT MARKING PLAN**

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SEAL

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



PAVEMENT MARKING CODES

THERMOPLASTIC 4" 90MILS

T1: WHITE EDGELINE
T2: WHITE SOLID LANE LINE
T3: 10FT. WHITE SKIP
T4: 3FT.-9FT./SP WHITE MINISKIP
T5: 2FT.-6FT./SP WHITE MINISKIP
T10: YELLOW EDGELINE
T13: YELLOW DOUBLE CENTER

THERMOPLASTIC 8" 90MILS

T41: WHITE DIAGONAL
T42: YELLOW DIAGONAL
T43: WHITE SOLID LANE LINE
T44: 3FT.-9FT./SP WHITE MINISKIP

THERMOPLASTIC 24" 90MILS

T61: WHITE STOPBAR
T62: WHITE CROSSWALK LINE

THERMOPLASTIC 90 MILS

T70: LEFT TURN ARROW
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PAVEMENT MARKERS

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**SIGNING AND
PAVEMENT MARKING PLAN**

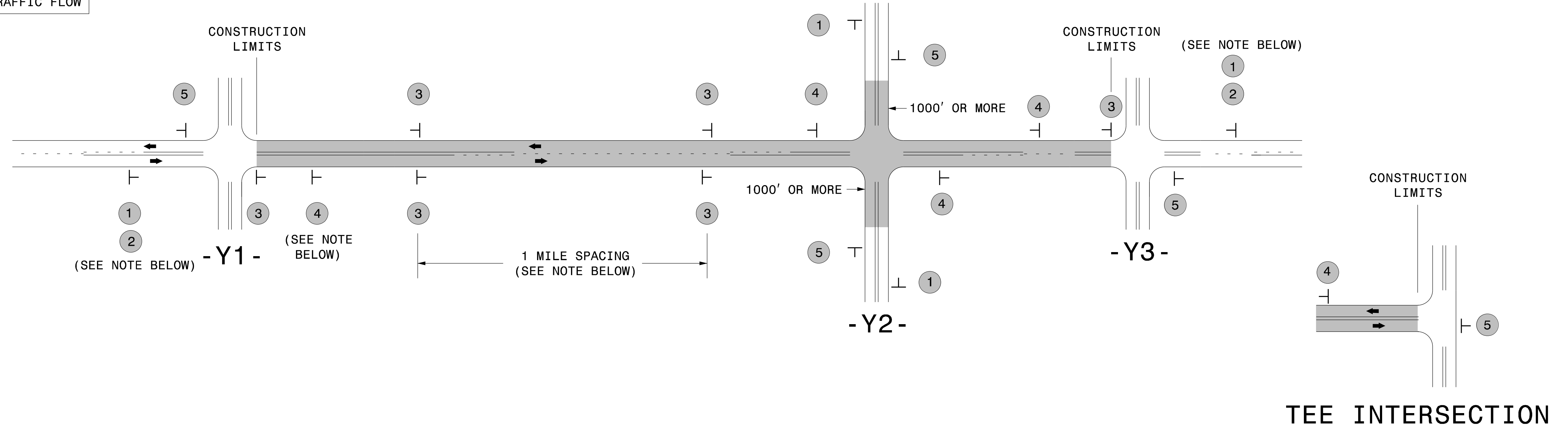
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SIGNING FOR RESURFACING PROJECTS

LEGEND

┃ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

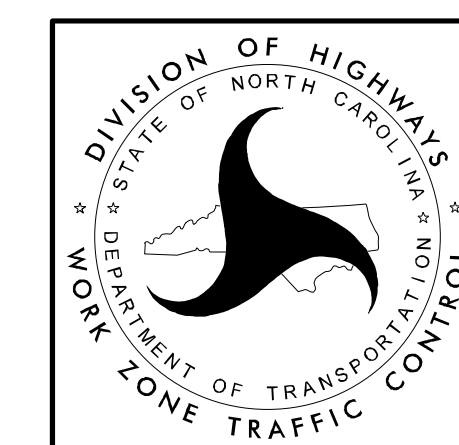
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1		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;"> PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	2		#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		<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		<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		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.

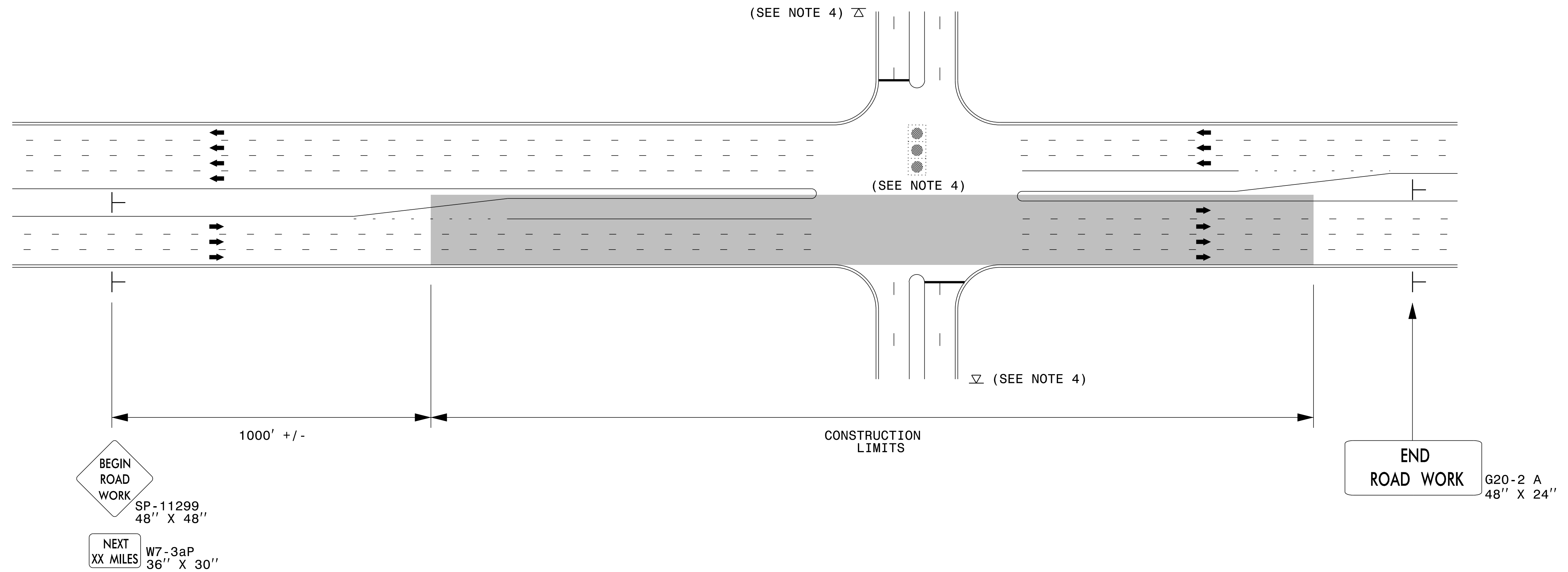
MAPS LESS THAN 2 MILES

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

URBAN / SUBURBAN WORKZONES

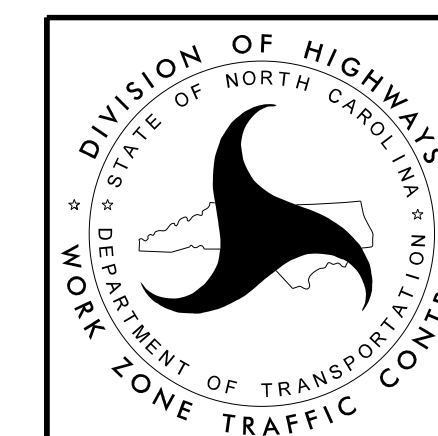


NOTES:

- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

- ┆ STATIONARY SIGN
- ➔ DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES**