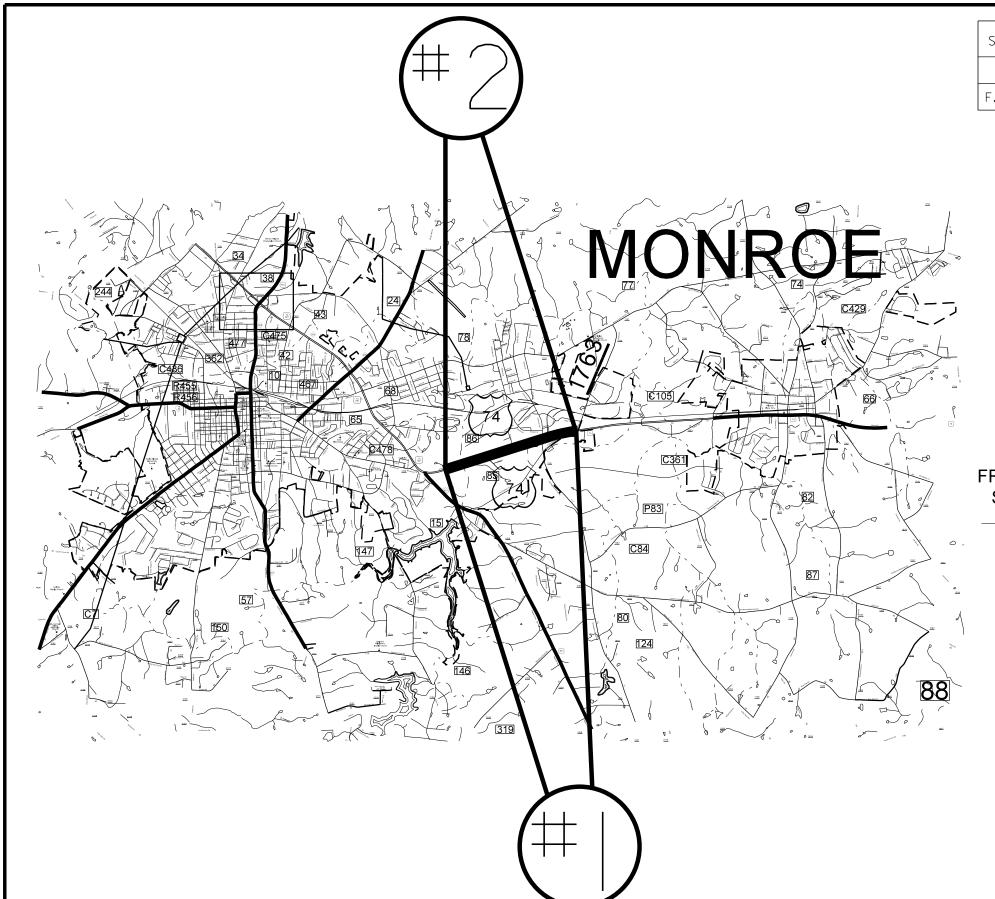
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STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	1	



ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

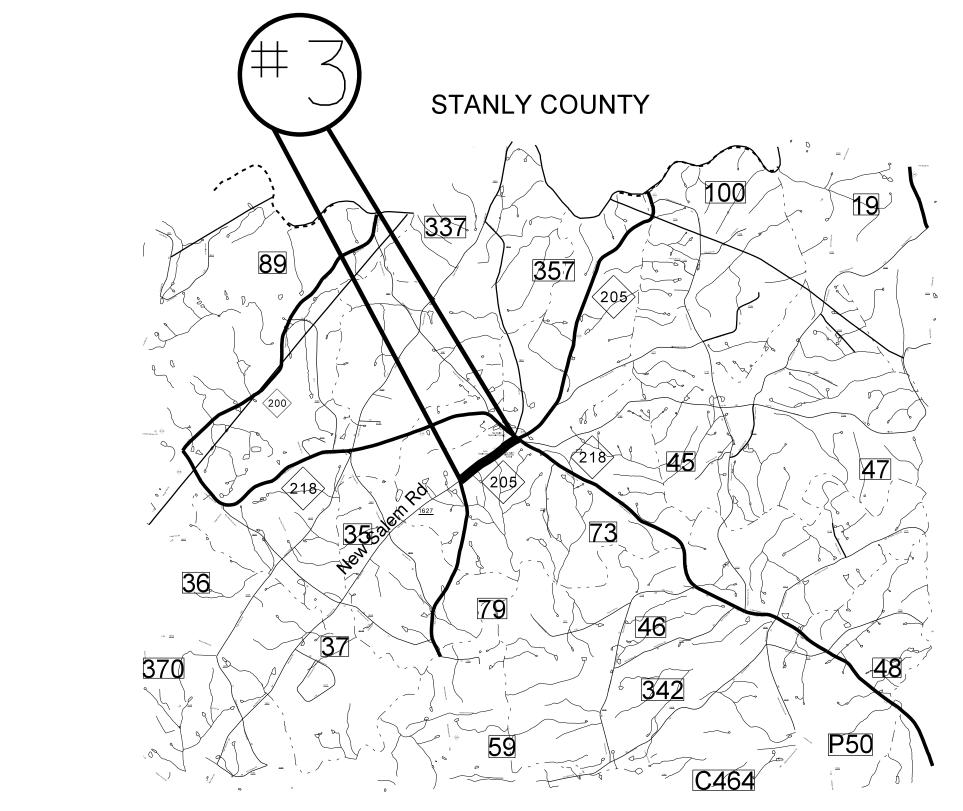
NORTH CAROLINA

PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

MAP #1 US 74 EAST BOUND (1.47 MILES)
FROM END CURB AND GUTTER SECTION CLOSE TO
SOUTHERN STATES TO SR 1763 S.BIVENS ROAD

MAP #2 US 74 WEST BOUND (1.35 MILES)
FROM SR 1763 S.BIVENS ROAD TO BEGINNING
CURB AND GUTTER SECTION
CLOSE TO SOUTHERN STATES



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	2	



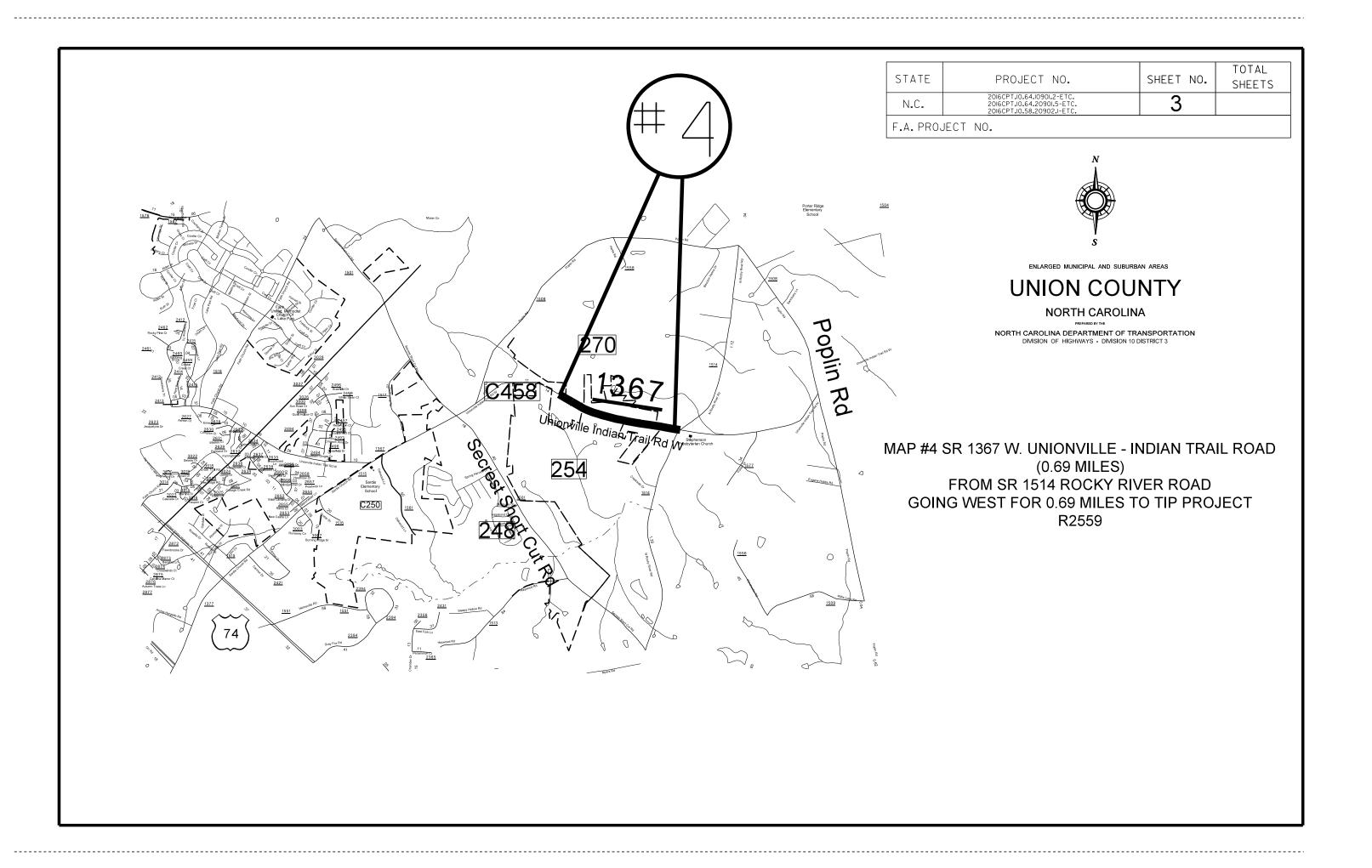
ENLARGED MUNICIPAL AND SUBURBAN AREA

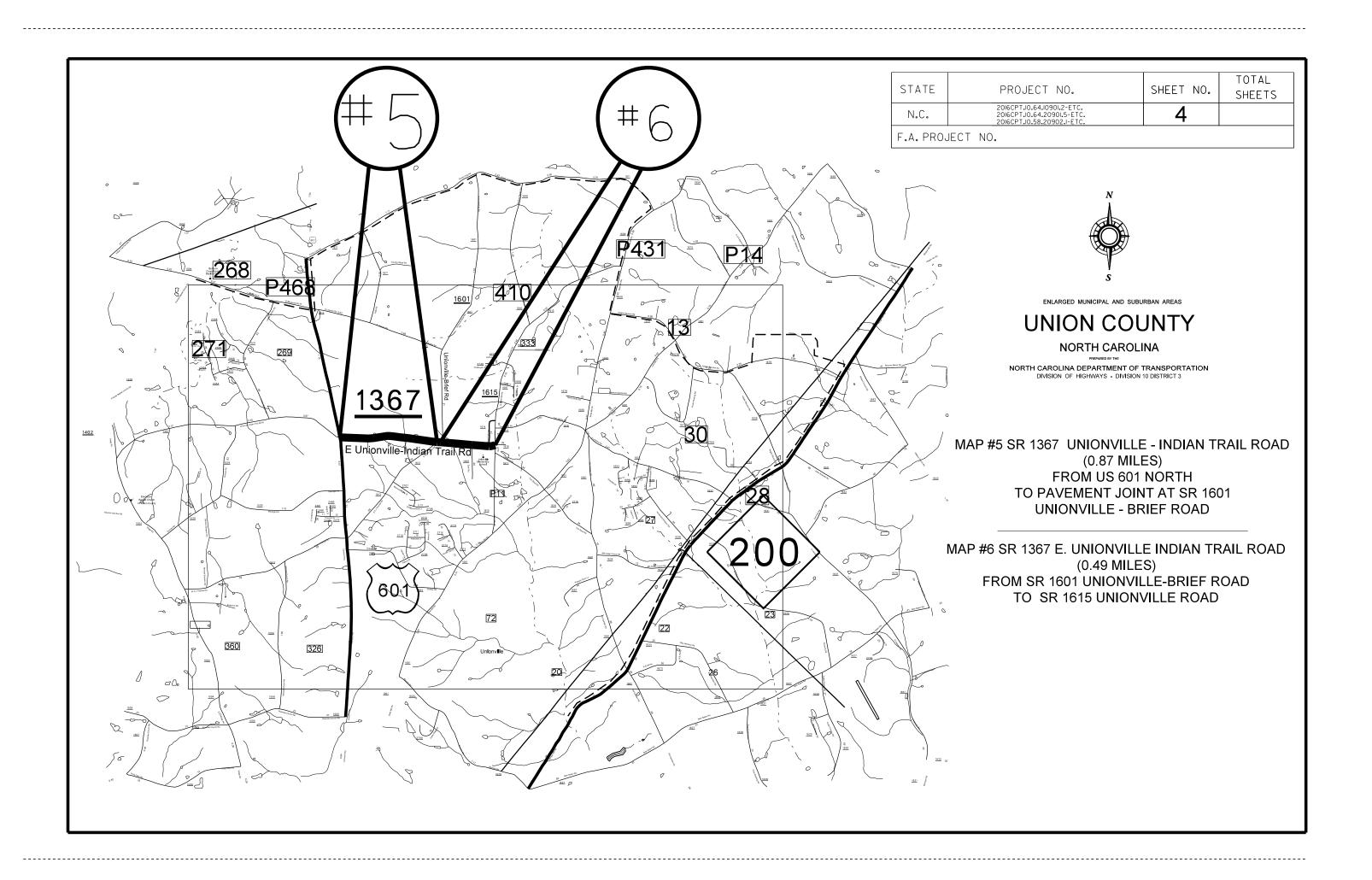
UNION COUNTY

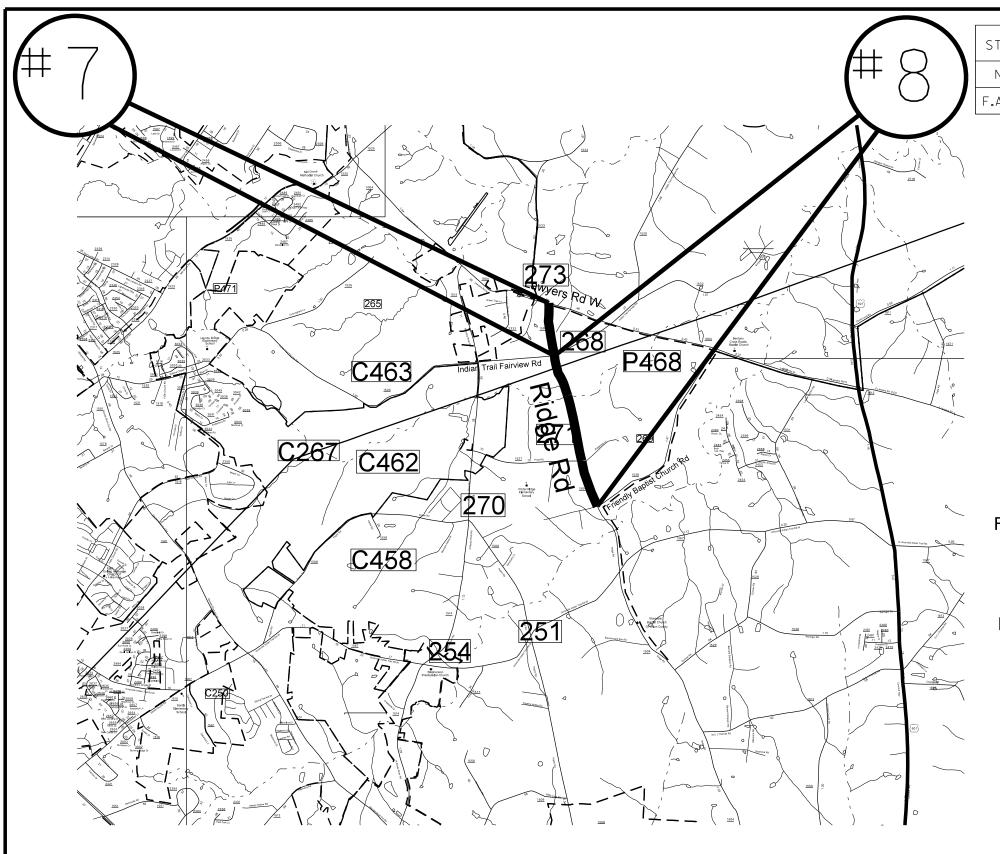
NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #3 NC 205 (0.72 MILES)
FROM SR 1627 NEW SALEM ROAD PAVEMENT JOINT
TO NC 218







STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	5	



ENLARGED MUNICIPAL AND SUBURBAN AREAS

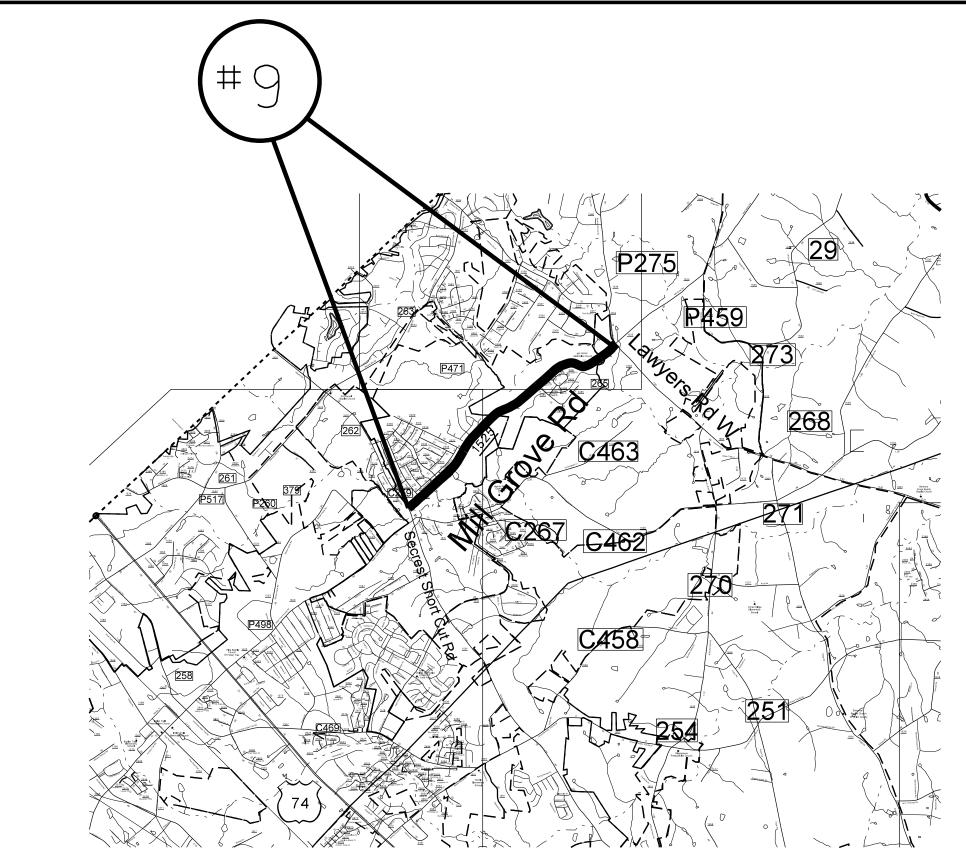
UNION COUNTY

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #7 SR 1504 RIDGE ROAD
(0.36 MILES)
FROM SR 1520 INDIAN TRAIL FAIRVIEW ROAD
TO SR 1004 W LAWYERS ROAD

MAP #8 SR 1504 RIDGE ROAD
(1.04 MILES)
FROM PAVEMENT JOINT EAST OF FRIENDLY
BAPTIST CHURCH ROAD
TO SR 1520 INDIAN TRAIL FAIRVIEW ROAD



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	6	



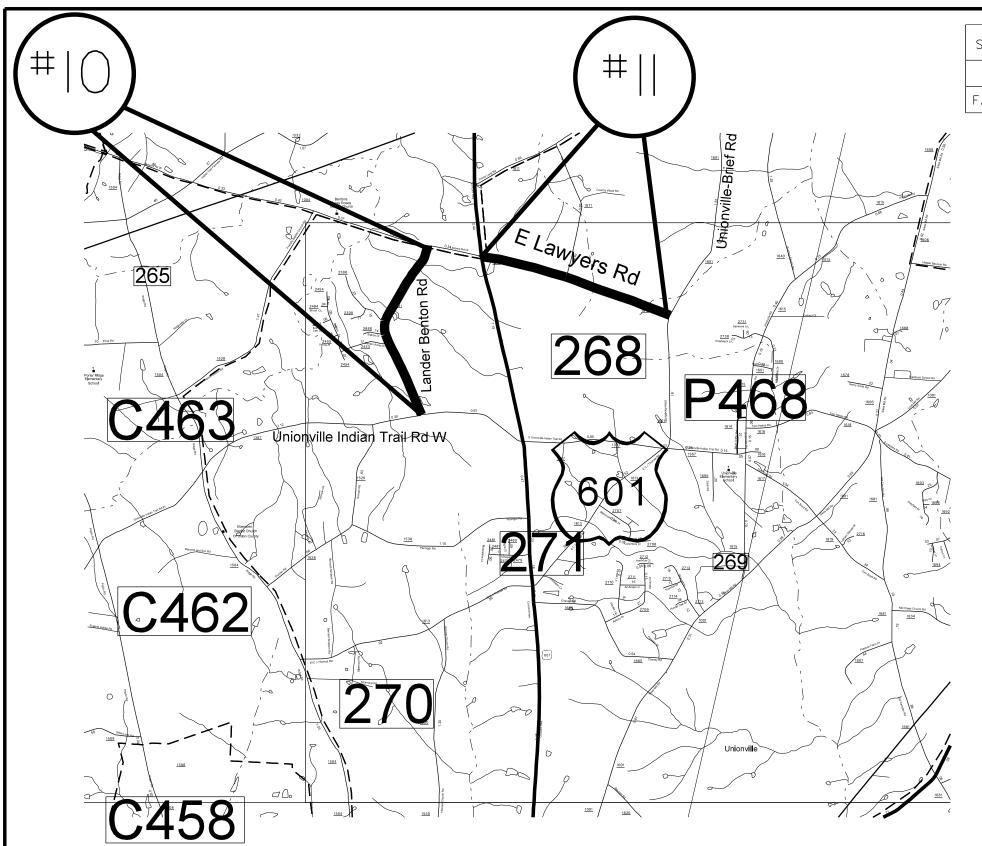
ENLARGED MUNICIPAL AND SUBURBAN AREAS

UNION COUNTY

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #9 SR 1525 MILL GROVE ROAD
(2.43 MILES)
FROM SR 1501 SECREST SHORT CUT ROAD
TO SR 1004 W LAWYERS ROAD



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	7	



ENLARGED MUNICIPAL AND SUBURBAN AREAS

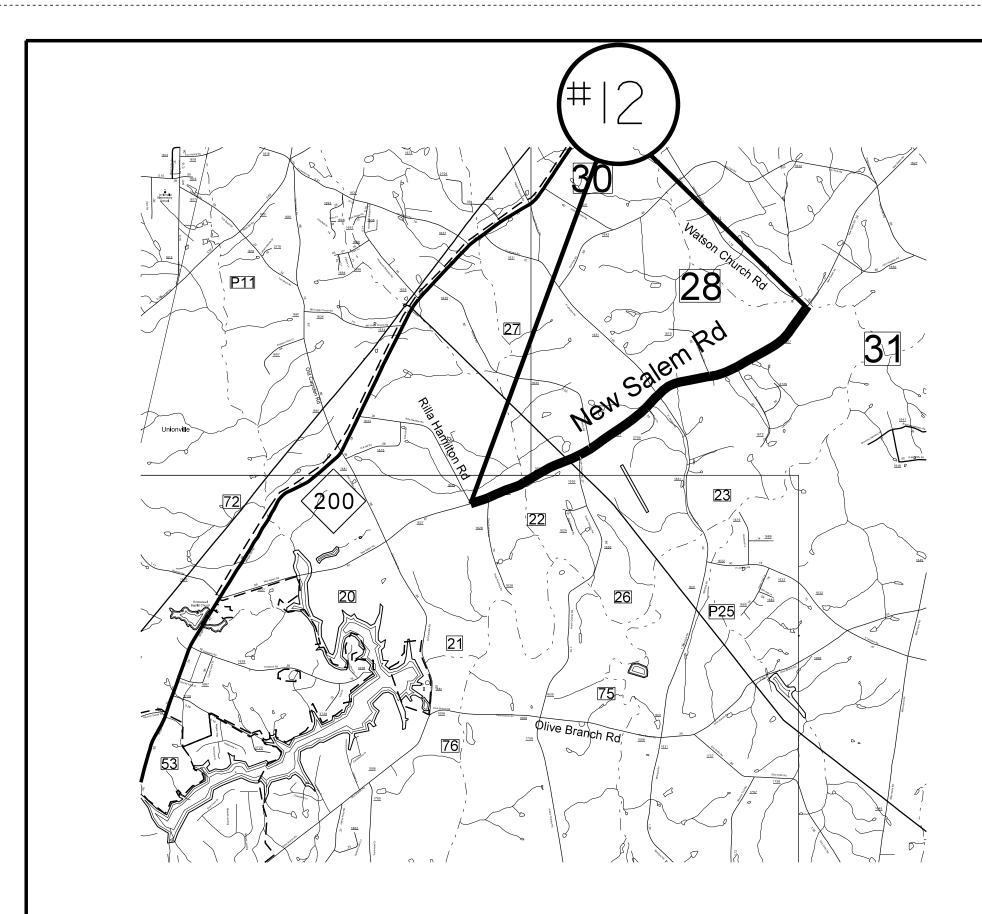
UNION COUNTY

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #10 SR 1531 LANDER BENTON ROAD
(1.13 MILES)
FROM SR 1004 W. LAWYERS ROAD
TO SR 1367 W. UNIONVILLE INDIAN TRAIL ROAD

MAP #11 SR 1612 E. LAWYERS ROAD
(1.2 MILES)
FROM US 601 TO SR 1601
UNIONVILLE BRIEF ROAD



STATI	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	8	

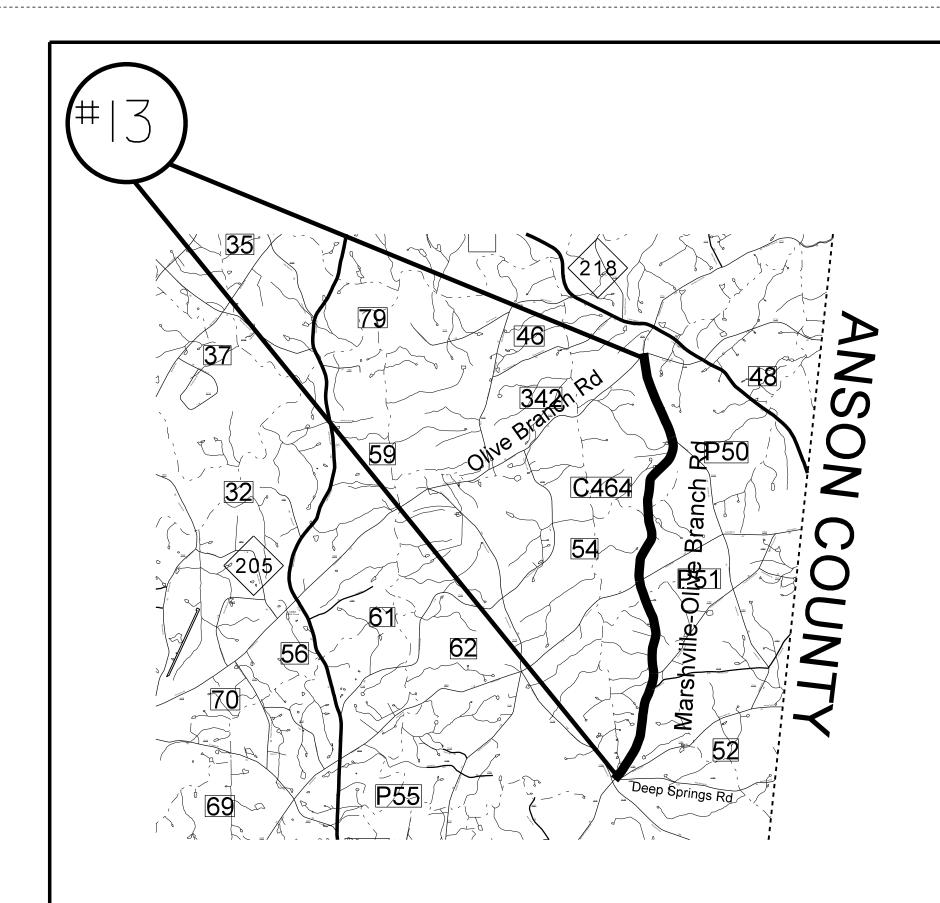


UNION COUNTY

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #12 SR 1627 NEW SALEM ROAD (2.86 MILES) FROM SR 1633 RILLA HAMILTON ROAD TO SR 1643 WATSON CHURCH ROAD



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	9	



ENLARGED MUNICIPAL AND SUBURBAN AREAS

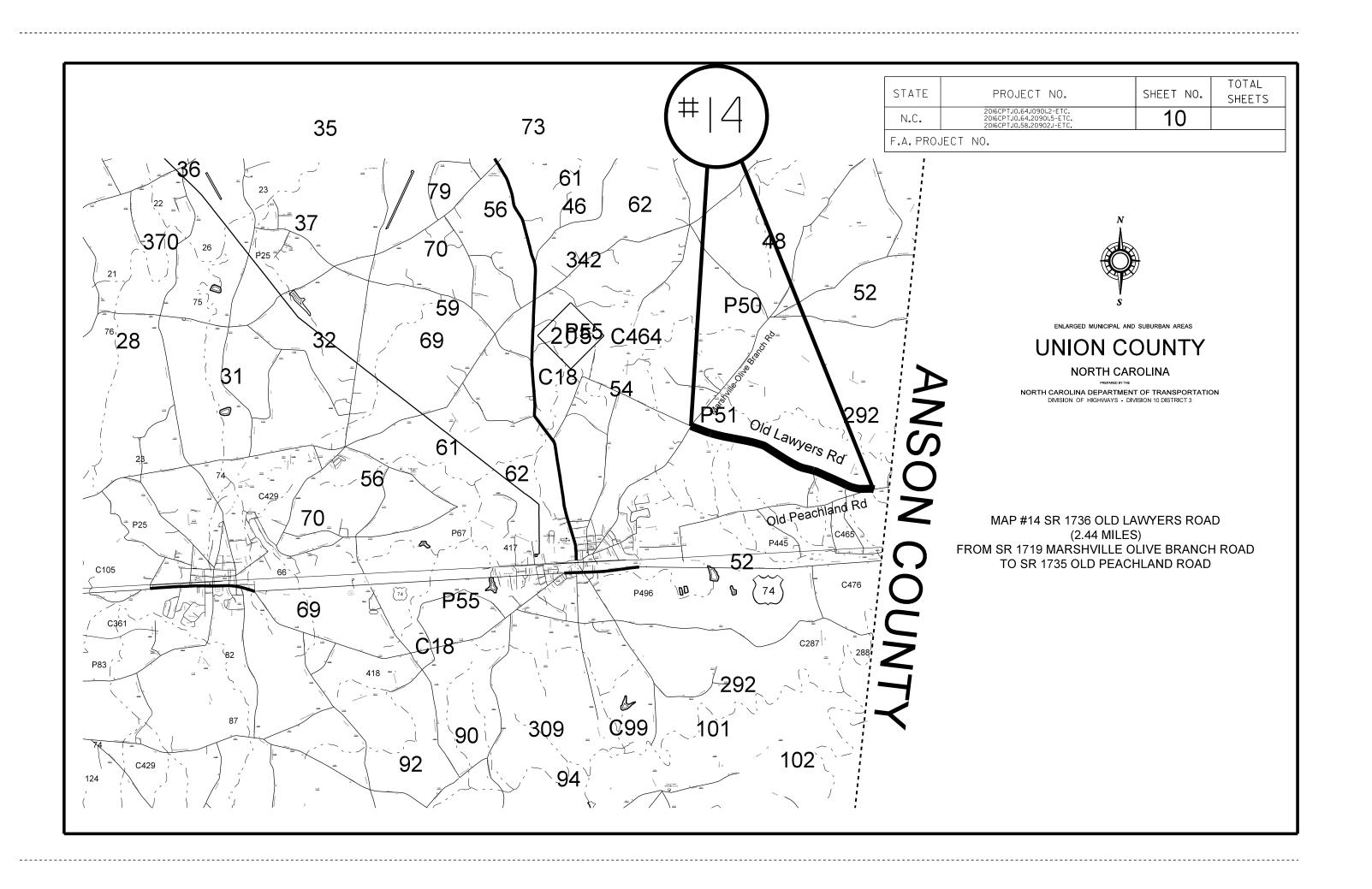
UNION COUNTY

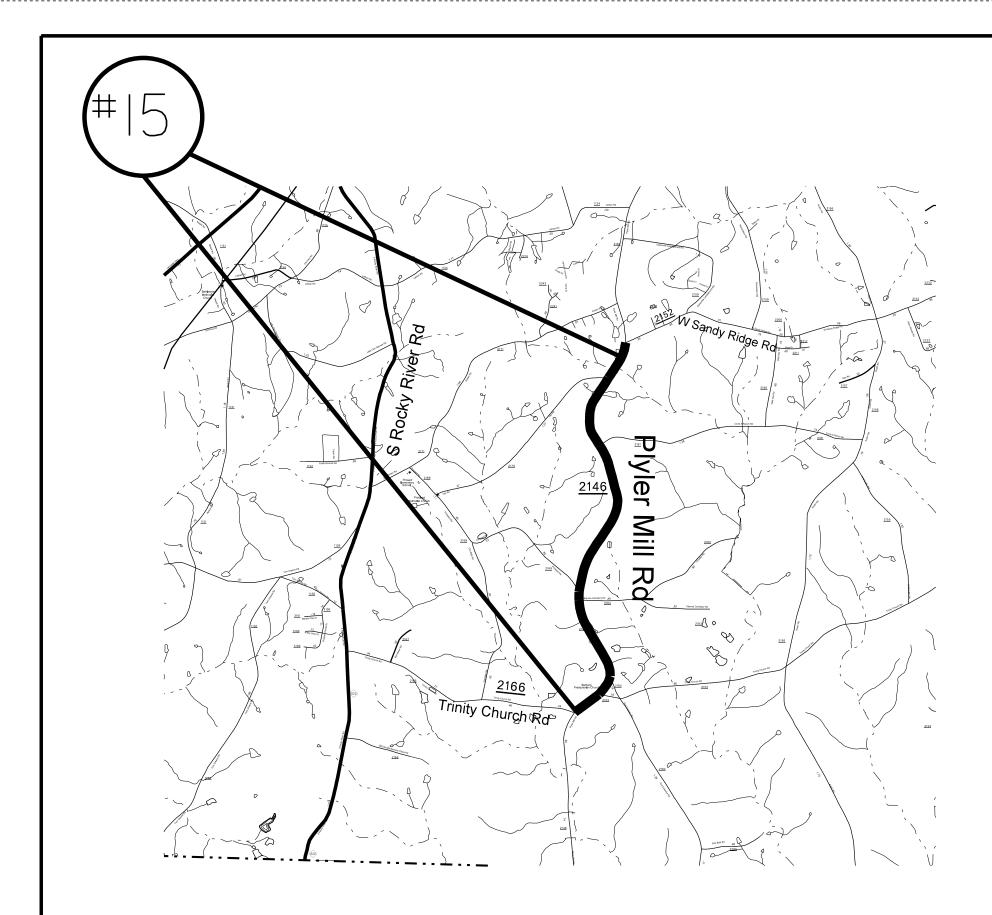
NORTH CAROLINA

PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #13 SR 1719 MARSHVILLE OLIVE BRANCH ROAD
(4.92 MILES)
FROM SR 1006 OLIVE BRANCH ROAD
TO SR 1725 DEEP SPRINGS ROAD





STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	11	



ENLARGED MUNICIPAL AND SUBURBAN AREAS

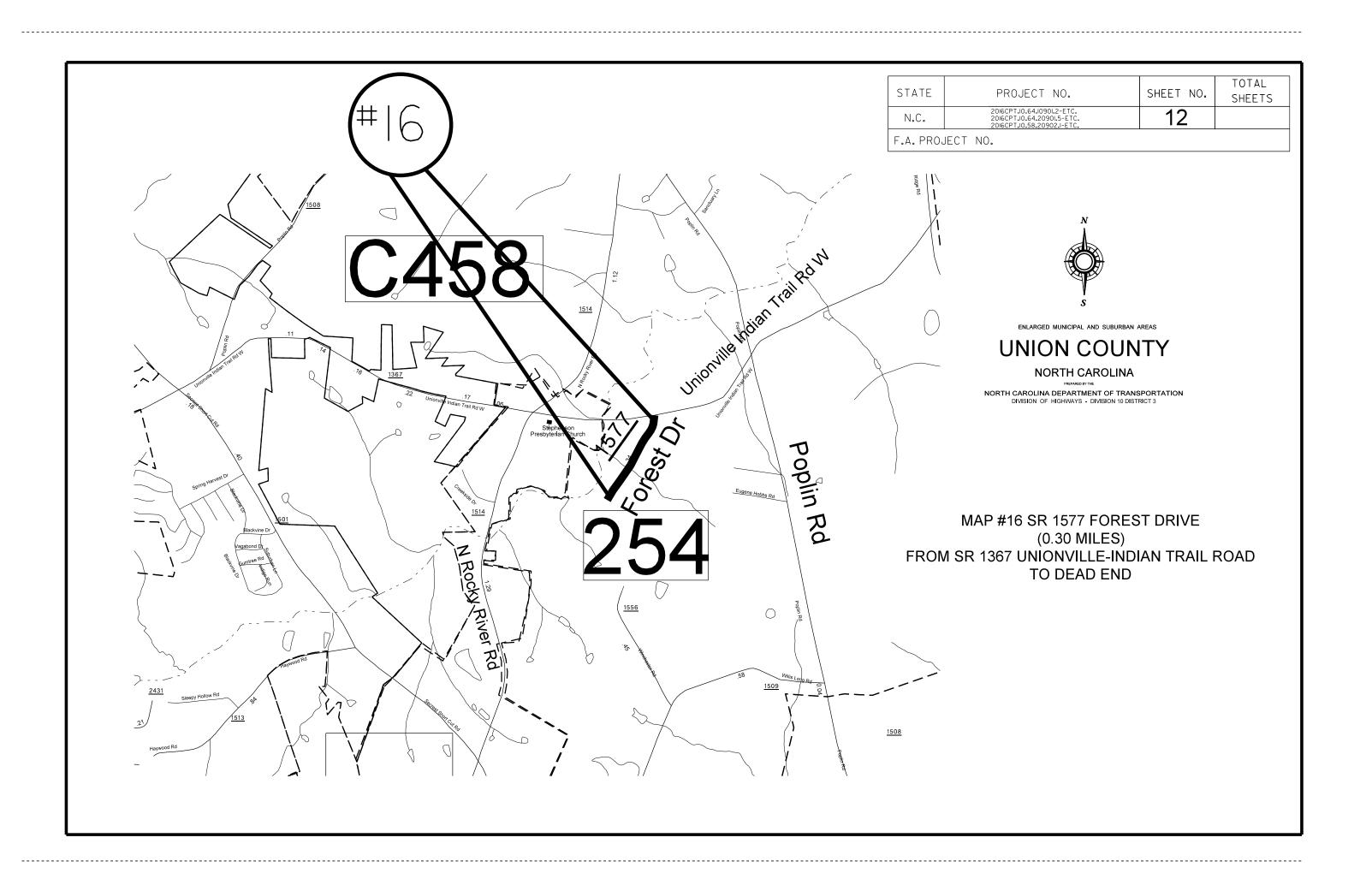
UNION COUNTY

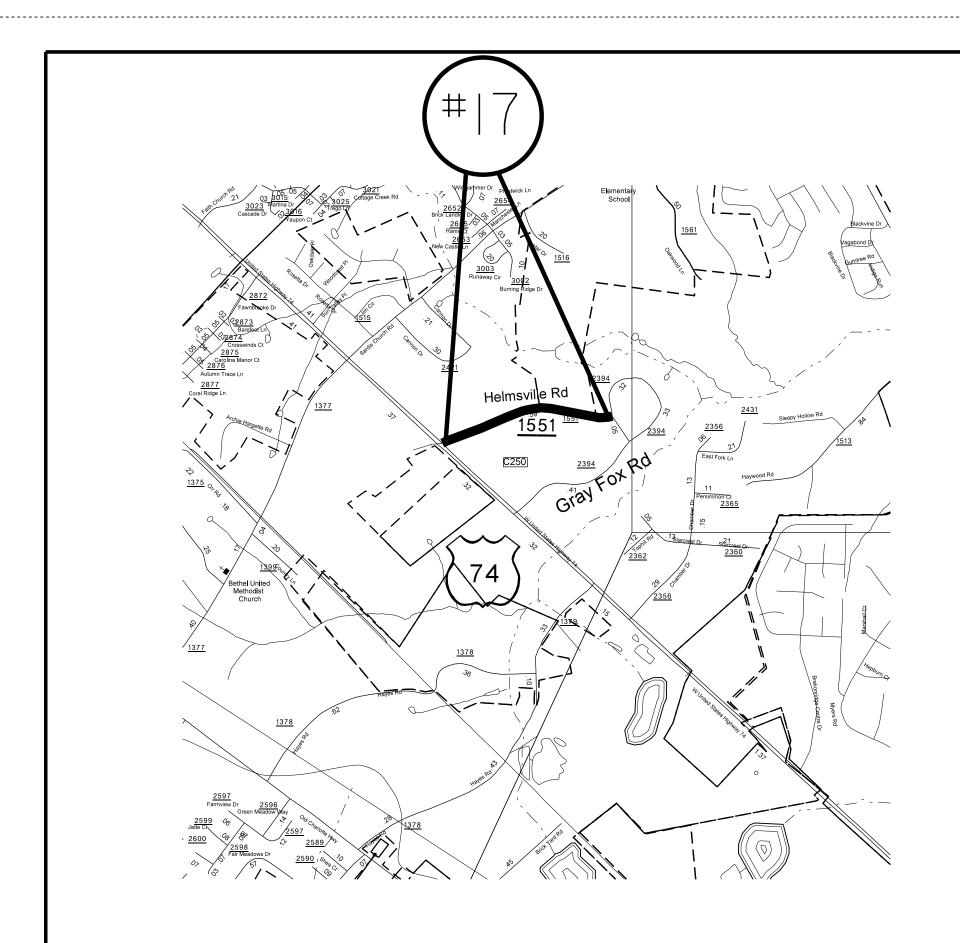
NORTH CAROLINA

PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #15 SR 2146 PLYLER MILL ROAD (3.10 MILES) FROM SR 2152 SANDY RIDGE ROAD TO SR 2166 TRINITY CHURCH ROAD





STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	13	



ENLARGED MUNICIPAL AND SUBURBAN AREAS

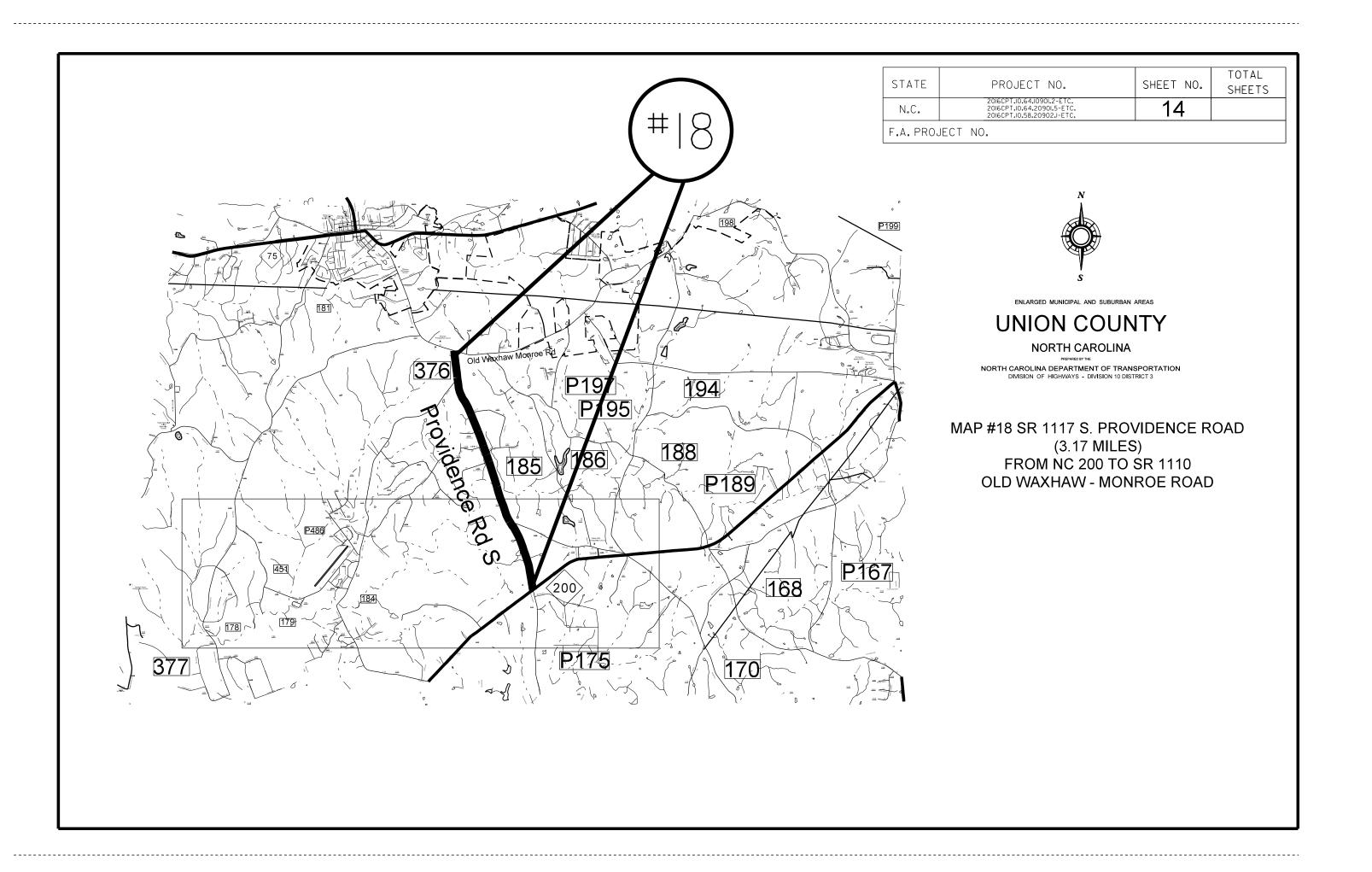
UNION COUNTY

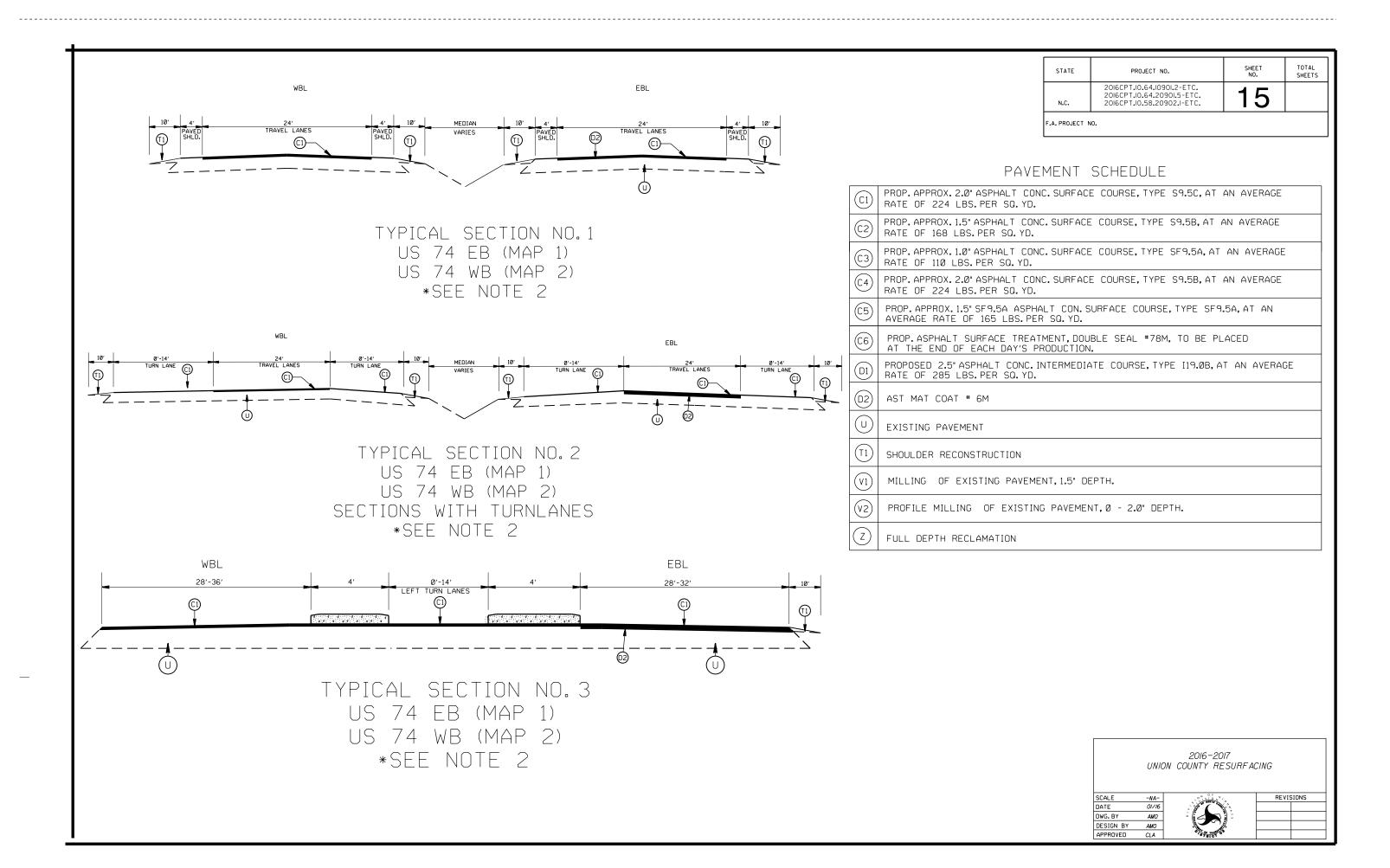
NORTH CAROLINA

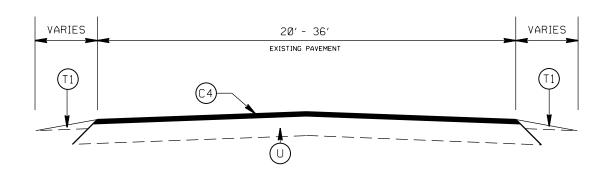
PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #17 SR 1551 HELMSVILLE ROAD (0.53 MILES) FROM US 74 TO SR 2394 GRAY FOX ROAD







TYPICAL SECTION NO.4

NC 205 (MAP 3)

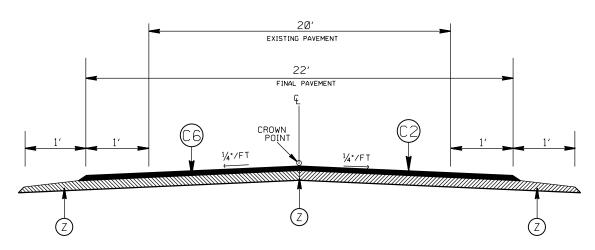
SR 1367 UNIONVILLE-INDIAN TRAIL ROAD

(MAP 4), (MAP 5) & (MAP 6)

*SEE NOTE 7 FOR MAP 4

SR 1627 NEW SALEM ROAD (MAP 12)

*SEE NOTE 6



TYPICAL SECTION NO.5

SR 1504 RIDGE ROAD (MAP 7)

*SEE NOTE 5

STATE F	PROJECT NO.	SHEET NO.	TOTAL SHEETS
2016CF	PT.IO.64.IO90I.2-ETC. PT.IO.64.2090I.5-ETC. PT.IO.58.20902.I-ETC.	16	

F.A. PROJECT NO.

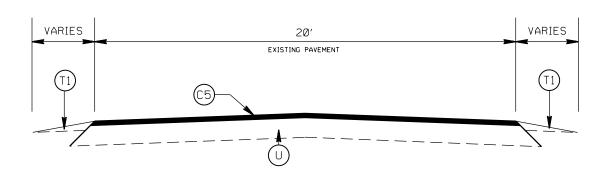
PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(53)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
(C4)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(C5)	PROP. APPROX. 1.5" SF9.5A ASPHALT CON. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
(C6)	PROP.ASPHALT SURFACE TREATMENT, DOUBLE SEAL #78M, TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION.
(D1)	PROPOSED 2.5° ASPHALT CONC.INTERMEDIATE COURSE, TYPE 119.0B, AT AN AVERAGE RATE OF 285 LBS.PER SQ.YD.
(D2)	AST MAT COAT # 6M
U	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.
Z	FULL DEPTH RECLAMATION

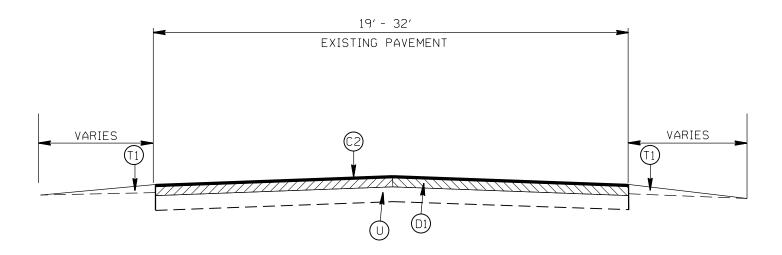
2016-2017 UNION COUNTY RESURFACING

SCALE	-NA-	
DATE	01/16	
DWG. BY	AMO	
DESIGN BY	AMO	
APPROVED	CLA	





TYPICAL SECTION NO.6
SR 1504 RIDGE ROAD (MAP 8)
*SEE NOTE 6



TYPICAL SECTION NO.7

SR 1719 MARSHVILLE-OLIVE BRANCH ROAD

(MAP (13)

SR 1525 MILL GROVE ROAD (MAP 9)

FROM STA: 68+95 TO END OF MAP

*SEE NOTE 6

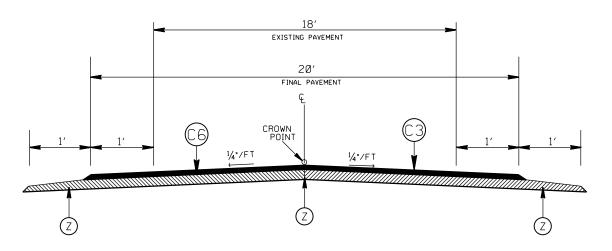
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	17	
.A. PROJECT N	NO.		

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SO. YD.
(C4)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.
(C5)	PROP. APPROX. 1.5" SF9.5A ASPHALT CON. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
(C6)	PROP.ASPHALT SURFACE TREATMENT, DOUBLE SEAL #78M, TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION.
(D1)	PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(D2)	AST MAT COAT # 6M
	EXISTING PAVEMENT
(T1)	SHOULDER RECONSTRUCTION
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.
Z	FULL DEPTH RECLAMATION

2016-2017 UNION COUNTY RESURFACING





TYPICAL SECTION NO.8

SR 1531 LANDER BENTON ROAD (MAP 10)

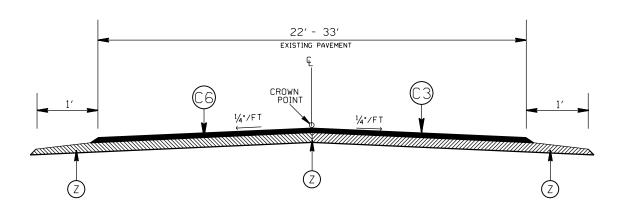
SR 1612 E. LAWYERS ROAD (MAP 11)

SR 2146 PLYLER MILL ROAD (MAP 15)

SR 1577 FOREST DRIVE (MAP 16)

SR 1551 HELMSVILLE ROAD (MAP 17)

*SEE NOTE 5



TYPICAL SECTION NO. 9
SR 1612 E. LAWYERS ROAD (MAP 11)
*SEE NOTE 5

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	18	

F.A. PROJECT NO.

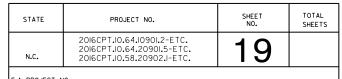
PAVEMENT SCHEDULE

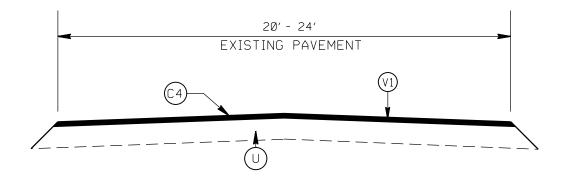
PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SO. YD. C4 PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SO. YD. C5 PROP. APPROX. 1.5" SF9.5A ASPHALT CON. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SO. YD. C6 PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL #78M, TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION. D1 PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE 119.0B, AT AN AVERAGE RATE OF 285 LBS. PER SO. YD. AST MAT COAT # 6M U EXISTING PAVEMENT T1 SHOULDER RECONSTRUCTION WI MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.		
RATE OF 168 LBS. PER SO. YD. PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SO. YD. PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SO. YD. PROP. APPROX. 1.5" SF9.5A ASPHALT CON. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SO. YD. PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL *78M, TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION. PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SO. YD. AST MAT COAT * 6M EXISTING PAVEMENT SHOULDER RECONSTRUCTION MILLING OF EXISTING PAVEMENT, 1.5" DEPTH. PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.	(C1)	, , , , , , , , , , , , , , , , , , ,
RATE OF 110 LBS. PER SO. YD. PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SO. YD. PROP. APPROX. 1.5" SF9.5A ASPHALT CON. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SO. YD. PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL #78M, TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION. PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SO. YD. AST MAT COAT # 6M EXISTING PAVEMENT MILLING OF EXISTING PAVEMENT, 1.5" DEPTH. PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.	(C2)	
RATE OF 224 LBS. PER SO. YD. (5) PROP. APPROX. 1.5" SF9.5A ASPHALT CON. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SO. YD. (6) PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL #78M, TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION. (1) PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SO. YD. (2) AST MAT COAT # 6M (1) EXISTING PAVEMENT (1) SHOULDER RECONSTRUCTION (V1) MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.	(C3)	· · · · · · · · · · · · · · · · · · ·
AVERAGE RATE OF 165 LBS. PER SQ. YD. (6) PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL #78M, TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION. (91) PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD. (92) AST MAT COAT # 6M (1) EXISTING PAVEMENT (1) SHOULDER RECONSTRUCTION (1) MILLING OF EXISTING PAVEMENT, 1.5" DEPTH. (2) PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.	<u>C4</u>	
AT THE END OF EACH DAY'S PRODUCTION. PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE 119.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD. AST MAT COAT # 6M EXISTING PAVEMENT SHOULDER RECONSTRUCTION VI MILLING OF EXISTING PAVEMENT, 1.5" DEPTH. V2 PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.	(C5)	
RATE OF 285 LBS. PER SQ. YD. AST MAT COAT # 6M EXISTING PAVEMENT SHOULDER RECONSTRUCTION VI MILLING OF EXISTING PAVEMENT, 1.5" DEPTH. V2 PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.	(C6)	
U EXISTING PAVEMENT T1 SHOULDER RECONSTRUCTION V1 MILLING OF EXISTING PAVEMENT, 1.5" DEPTH. V2 PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.	(D1)	
SHOULDER RECONSTRUCTION WILLING OF EXISTING PAVEMENT, 1.5" DEPTH. PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.	(D2)	AST MAT COAT # 6M
V1) MILLING OF EXISTING PAVEMENT, 1.5" DEPTH. V2) PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.	U	EXISTING PAVEMENT
V2) PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.	(T1)	SHOULDER RECONSTRUCTION
	V1	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
Z FULL DEPTH RECLAMATION	(V2)	PROFILE MILLING OF EXISTING PAVEMENT, 0 - 2.0" DEPTH.
	Z	FULL DEPTH RECLAMATION

2016-2017 UNION COUNTY RESURFACING

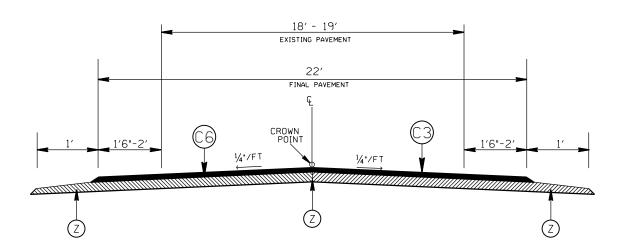








TYPICAL SECTION NO.10 SR 1736 OLD LAWYERS ROAD (MAP 14) FROM STA: 10+00 TO 83+75



TYPICAL SECTION NO.11 SR 1117 SOUTH PROVIDENCE ROAD (MAP 18) *SEE NOTES 5 AND 6

PAVEMENT SCHEDULE

PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
RATE OF 224 LBS.PER SQ.YD.

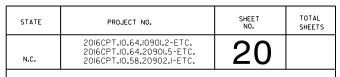
	PROP. APP RATE OF	ROX.1.	5" ASPHA	ALT I	CONC.	SURFACE	COURSE,	TYPE	S9.5B, AT	ΑN	AVERAGE
(62)	RATE OF	168 LE	BS. PER	SQ. Y	/D.						

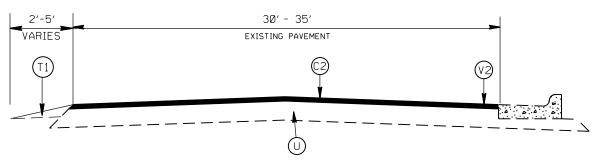
- PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
- PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE \$9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
- PROP. APPROX. 1.5" SF9.5A ASPHALT CON. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
- PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL #78M, TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION.
- PROPOSED 2.5" ASPHALT CONC.INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
- (D2) AST MAT COAT # 6M
- EXISTING PAVEMENT
- SHOULDER RECONSTRUCTION
- MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
- PROFILE MILLING OF EXISTING PAVEMENT, 0 2.0" DEPTH.
- FULL DEPTH RECLAMATION

2016-2017 UNION COUNTY RESURFACING

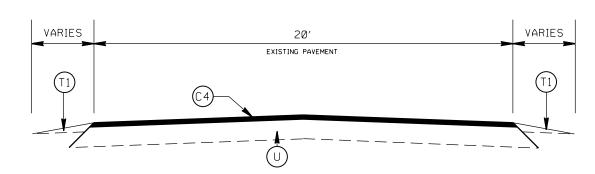
01/16 DATE DWG. BY AMO DESIGN BY AMO







TYPICAL SECTION NO.12 SR 1525 MILL GROVE ROAD (MAP 9) FROM STA:10+00 TO STA:68+95



TYPICAL SECTION NO.13

SR 1736 OLD LAWYERS ROAD (MAP 14)
FROM STA: 83+75 TO END OF MAP

PAVEMENT SCHEDULE

	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN RATE OF 224 LBS. PER SQ. YD.	AVERAGE
しり	RATE OF 224 LBS.PER SO.YD.	

60	PROP. AF	PROX.	. 1.5" ASP	HALT	CONC.	SURFACE	COURSE,	TYPE	S9.5B,	ΑT	ΑN	AVERAGE
(4)	RATE OF	- 168	LBS. PE	R SQ.	YD.							

PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.

PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.

PROP. APPROX. 1.5" SF9.5A ASPHALT CON. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.

C6 PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL #78M, TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION.

PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE 119.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.

D2 AST MAT COAT # 6M

U EXISTING PAVEMENT

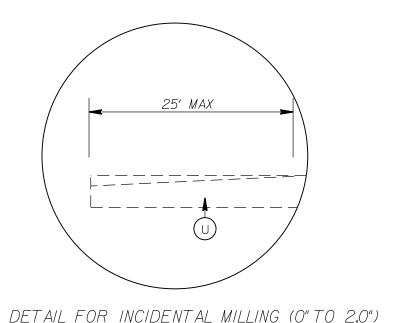
(T1) SHOULDER RECONSTRUCTION

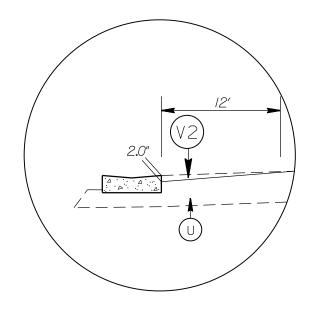
(V1) MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.

(V2) | PROFILE MILLING OF EXISTING PAVEMENT, Ø - 2.0" DEPTH.

[Z] | FULL DEPTH RECLAMATION

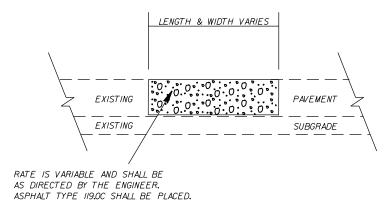
2016-2017 UNION COUNTY RESURFACING





DETAIL FOR PROFILE MILLING (0"TO 2.0")

PATCHING DETAIL



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	21	

F.A. PROJECT NO.

PAVEMENT SCHEDULE

	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.	
((1)	RATE OF 224 LBS. PER SQ. YD.	

	PROP.	. APF	PROX.	1.5"	ASPH	ALT	CONC.	SURFACE	COURSE,	TYPE	S9.5B,	ΑТ	ΑN	AVERAGE
(٢٧)	RATE	OF	168	LBS.	. PER	SQ.	YD.	SURFACE						

- PROP. APPROX. 1.0" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD.
- PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
- PROP. APPROX. 1.5" SF9.5A ASPHALT CON. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
- PROP. ASPHALT SURFACE TREATMENT, DOUBLE SEAL #78M, TO BE PLACED AT THE END OF EACH DAY'S PRODUCTION.
- PROPOSED 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE 119.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
- (D2) AST MAT COAT # 6M
- U EXISTING PAVEMENT
- (T1) SHOULDER RECONSTRUCTION
- (V1) MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
- (V2) PROFILE MILLING OF EXISTING PAVEMENT, 0 2.0" DEPTH.
- Z) | FULL DEPTH RECLAMATION

2016-2017 UNION COUNTY RESURFACING



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2016CPT.10.64.10901.2-ETC. 2016CPT.10.64.20901.5-ETC. 2016CPT.10.58.20902.1-ETC.	22	

NOTES:

1: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.

- 2: ON MAP I AND 2, DO NOT MILL OR RESURFACE OVER BRIDGE.
- 3. ALL WIDENING, WITH AGGREGATE BASE COURSE, ON FULL DEPTH RECLAMATION MAPS TO BE DONE BY STATE FORCES.
- 4: SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.
- 5: FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAPS 7, 10, 11, 15, 16, 17, and 18 PRIOR TO THE ASPHALT OVERLAY.
- 6: ON MAPS 8, 9, 12, and 18 MILL AND FILL BRIDGE.
- 7: ON MAP 4, CONTRACTOR SHALL SKIP OVER SR 1514 ROCKY RIVER ROAD, AND MILL AND FILL 2" FOR APPROXIMATELY 80 FEET AND TIE INTO NEW PAVEMENT JOINT.

	ANSO	2016-2017 DN COUNTY RESURA	FACING
SCALE	-NA-	0 × 0 / 10 / 1/2	REVISIONS
DATE	11/15	A CONTRACTOR OF THE PARTY OF TH	
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA	OF TRANSPA	

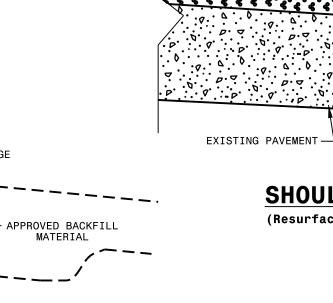
NOTES: 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
2) BACKFILL SHOULDER WITH APPROVED MATERIAL. - ASPHALT OVERLAY 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE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

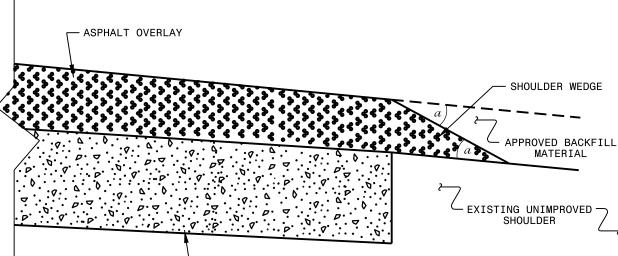
SHOULDER WEDGE

-EXISTING UNIMPROVED -SHOULDER W/ RUTTING

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 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/shoulderwedg	edetail dgn

SHOULDER WEDGE DETAIL

ASPHALT OVERLAY

(Resurfacing Adjacent to Rutted Shoulder)

EXISTING PAVEMENT —

PROPOSED PAVEMENT —

PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.10.64.10901.2, ETC	24	

SUMMARY OF QUANTITIES

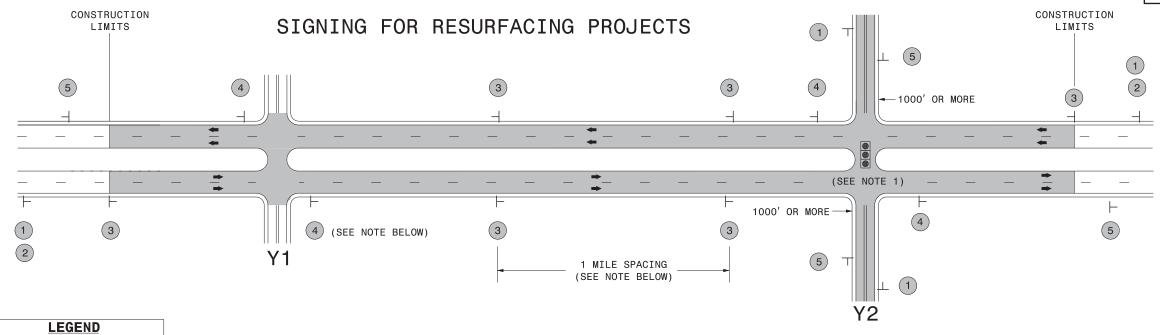
							_		,	_							1 0																						
PROJECT	COUN	Т МАР	ROUTE	DESCRIPTION		ANE LAN				LENGTH	WIDTH	BORROW		PORTLAND			2" :													ASPHALT	ASPHALT	EMULSION	6"		ADJ. OF TEMP.	STONE		WATTLE	
	Y				:	S TYPI	E SURFAC	E MIX G ASPHALT	GATE				CEMENT BASE		STONE	UCTION	MILLIN MI		NG MILLIN				COURSE, C			COURSE, SF9.5A	COURSE, SF9.5A		ING	SURFACE	SURFACE TREATMENT,	FOR ASPHALT	DRIVE- WAYS		METER SILT OR FENCE	FOR	MENT		ACRYLA- MIDE
								E REQUIRE					(FDR)	CEMENT	BASE	OCTION	9	- 1	G	VIVILLING	119.0B	39.36	39.30	39.30	39.30	3F3.3A				MAT COAT	Double Seal	SURFACE	WATS	HOLE		CONTROL,			(PAM)
							D	D	ALLOWE				(1511)	BASE	DAJE				"		113.00							MIX	T	#6M SY	#78m SY	TREATMENT GAL			BOXES EA LF	CLASS B TN	31011		(1 A.V.)
NO		NO			NO					MI	FT	CY	SY	TON	TONS	SMI	SY	SY	SY SY	SY	TONS	TONS	TONS	TONS	TONS	TON	TON	TONS	ONS	SY	SY	GAL	SY	EA	EA LF	TN	TN	LF	LB
			LIC 74 FACT	FROM END OF CURB AND GUTTER																																			
			US 74 EAST BOUND/ROUTE #	CLOSE TO SOUTHERN STATES TO SR 1763 BIVENS RD MILEPOST 13.27 TO																																			
2016CPT.10.64.10901.2	Union	1	2000007489		1.2.3	2 MD	NO NO	NO	YES	1.47	43	719			22	2.9				470				4,733	566			316	728	20,700		5,175	50		221	30	15	221	1
201001111010111030112	011101		2000007103	FROM SR 1763 BIVENS RD TO BEGIN	1,2,3	2 111.5			123	1.17	.5	713				2.0	i i			.,,				1,733	500			510	720	20,700		3,1,3	50			50	10		
				OF CURB AND GUTTER CLOSE TO																																			
			US 74 WEST BOUND/	SOUTHERN STATES MILEPOST 10.71																																			
2016CPT.10.64.10901.3	Union	1 2	ROUTE # 2060007489	TO 12.06	1,2,3	2 MD) NO	NO	YES	1.35	32	660			15	2.9				235				3,189				188	706				25	<u> </u>	203	27	14	203	
				FROM SR 1627 NEW SALEM RD																																			
2045507 40 54 40004 4			NC 205/ ROUTE #	PAVEMENT JOINT TO NC 218		2 214			VEC	0.70	22	200			18					443		4.400	247					92					50		4 400	45	_	400	
2016CPT.10.64.10901.4	Union	1 3	3000020589	MILEPOST 10.05 TO 10.81	4	2 2WI	J NO	NO	YES	0.72	22	200			18	1.4				142		1,189	317		-			92	-			-	50	+	1 108	15		108	1
			SR 1367 UNIONVILLE-	FROM 1514 ROCKY RIVER RD GOING																																			
			INDIAN TRAIL RD/	WEST FOR .69 MILES TO TIP PROJECT																																	_		
2016CPT.10.64.20901.5	Union	1 4	ROUTE # 4000136789	R2559 MILEPOST 4.67 TO 5.36	4	2 2WI	J NO	NO	YES	0.69	20	200			87	1.4	600			134		952	-					57	380			+	100	1	2 104	14	7	104	1
			SR 1367 UNIONVILLE-	FROM US 601 NORTH TO PAVEMENT																																			
			INDIAN TRAIL RD/	JOINT AT SR 1601 UNIONVILLE-BRIEF																																			
2016CPT.10.64.20901.6	Union	n 5	ROUTE # 4000136789	RD MILEPOST 8.42 TO 9.29	4	2 2WU	J NO	NO	YES	0.87	21	215			39	1.7				117		1,400						84	475			⊥			129	17	9	129	1
			SR 1367 UNIONVILLE-	FROM SR 1601 UNIONVILLE-BRIEF RD																																			
			INDIAN TRAIL RD/	TO SR 1615 UNIONVILLE RD MILEPOST																																	_		_
	Union	1 6	ROUTE # 4000136789	9.27 TO 9.76	4	2 2WL	J NO	NO	YES	0.49	20	1,215			25	1.0				156		836						50	248			+		+-+	/5	10	5	/5	1
			CD 4504 DID C5 DD /	FROM SR 1520 INDIAN TRAIL-																																			
	Union	, 7	SR 1504 RIDGE RD/ ROUTE # 4000150489	FAIRVIEW RD TO SR 1004 W. LAWYERS RD MILEPOST 7.45 TO 7.81		2 2WI	J NO	NO	NO	0.36	20				۵					123		426						26					50		2 54	۰	4	54	1
2016CPT.10.64.20901.7	UIIIUI	' '	KOUTE # 4000130469	FROM PAVEMENT JOINT EAST OF SR	3	2 2000	J NO	INU	INU	0.50	20				9					123		420						20				+	30	 	2 34	٥	4	34	
				1528 FRIENDLY BAPTIST CHURCH RD																																			
			SR 1504 RIDGE RD/	TO SR 1520 INDIAN TRAIL-FAIRVIEW																																			
	Union	n 8	ROUTE # 4000150489	RD MILEPOST 6.4 TO 7.44	6	2 2Wl	J NO	NO	YES	1.04	20	200			90	2.1		334		123						1,210	405	105	578						3 158	21	11	158	1
			SR 1525 MILL GROVE	FROM SR 1501 SECREST SHORTCUT																																			
2016CPT.10.64.20901.8			RD/ ROUTE # 4000152589	RD TO SR 1004 W. LAWYERS RD MILEPOST 0.00 TO 2.43	7,12	2 2WI	J NO	NO	YES	2.43	27	1,189			341	4.9		533	7,859	191	2,420	3,720						339	1,337				225	14	4 365	49	24	365	
2016CP1.10.64.20901.8	Union	1 9			7,12	2 2Wl	J NO	NO	YES	2.43	21	1,189			341	4.9	 	533	7,859	191	2,420	3,720						339	1,337			+	225	14	4 305	49	24	305	
			SR 1531 LANDER BENTON RD/ ROUTE	FROM 1004 W/ LAWYERS RD TO SR 1367 W. UNIONVILLE-INDIAN TRAIL																																			
2016CPT.10.64.20901.9	Union	10	# 4000153189	RD MILEPOST 0.00 TO 1.13	8	2 2WL	J NO	NO	NO	1.13	20				130					138						888		59					50		2 170	23	12	170	1
			SR 1612 E. LAWYERS	FROM US 601 NORTH TO SR 1601																								-											
			RD/ ROUTE #	UNIONVILLE-BRIEF RD MILEPOST 0.00																																			
2016CPT.10.64.20901.10	Union	11	4000161289	TO 1.18	8,9	2 2WL	J NO	NO	NO	1.2	27				77					114						964		65					50		177	24	12	177	1
			SR 1627 NEW SALEM	FROM SR 1633 RILLA HAMILTON RD																																			
			RD/ ROUTE #	TO SR 1643 WATSON CHURCH RD																																			
2016CPT.10.64.20901.11	Union		4000162789	MILEPOST 1.93 TO 4.79	4	2 2Wl	J NO	NO	YES	2.86	22	700			429	5.7	856			200		4,643	1,259					360	L,416				175	├ ──├	429	58	29	429	1
			SR 1719 MARSHVILLE-	FROM SR 1006 OLIVE BRANCH RD TO																																			
2016CPT.10.64.20901.12	Union	. 12	OLIVE BRANCH RD/ ROUTE # 4000171989	SR 1725 DEEP SPRINGS RD MILEPOST 0.00 TO 4.92	7	2 2WI	J NO	NO	YES	4.92	19	2,400			1,476	9.8				140	8,597	5,156						722	2,700				100		738	99	50	738	2
2010011.10.04.20301.12	Office	1 13	SR 1736 OLD	FROM SR 1719 MARSHVILLE-OLIVE		2 2000	110	110	1123	7.32	13	2,400			1,470	5.0				140	0,337	3,130						722	.,,,,,,,				100		750	33	50	730	
			LAWYERS RD/ ROUTE	BRANCH RD TO SR 1735 OLD																																			
2016CPT.10.64.20901.13	Union	14	# 4000173689	PEACHLAND MILEPOST 3.46 TO 5.9	10,13	2 2WL	J NO	NO	YES	2.44	20	600			90	4.9	16	5,383		100		3,659	616					260	578				100		366	21	11	366	
			SR 2146 PLYLER MILL	FROM SR 2152 SANDY RIDGE RD TO																																			
2016CPT.10.64.20901.14		. 15	RD/ ROUTE # 4000214689	SR 2166 TRINITY CHURCH RD MILEPOST 5.46 TO 8.56		2 2WI	u no	NO	NO	2.1	20				744					174						2,400		161					125		3 465	62	31	465	
2016CP1.10.64.20901.14	Union	1 15	4000214689	FROM SR 1367 UNIONVILLE-INDIAN	8	2 2000	J NO	NO	NO	3.1	20				744					1/4						2,400		101				+	125	 	3 405	62	31	465	
			SR 1577 FOREST	TRAIL RD TO DEAD END MILEPOST																																			
2016CPT.10.64.20901.15	Union	16	DRIVE	0.00 TO 0.30	8	2 2WL	J NO	NO	NO	0.3	20				20					125						220		15					50		45	6	3	45	
			SR 1551 HELMSVILLE	FROM US 74 TO SR 2394 GRAY FOX RD																																			
2016CPT.10.64.20901.16	Union	17	RD	MILEPOST 0.00 TO 0.53	8	2 2Wl	J NO	NO	NO	0.53	20				24					120						405		27					50		3 80	11	6	80	
1			SR 1117 SOUTH																						J								1	1 1	1				
1			PROVIDENCE RD/	FROM NC 200 SOUTH TO SR 1110																					J								1	1 1	1				
2016CDT 10 C4 20001 17	110000	10	ROUTE #	WAXHAW-MONROE RD MILEPOST	11	2 314"	J NO	NO	NO	2.47	22				007				400	143						2 654		170					225		2 475	64	32	475	,
2016CPT.10.64.20901.17	union	18	4000111789		11	2 2WI	NO NO	NO	NU	3.17	22	1	-		967		+ +	- + -	400	142	}	1		-+		2,651		178		-		+	325	+	2 475	64	32	475	
			SR 1504 RIDGE RD/	FROM SR 1520 INDIAN TRAIL- FAIRVIEW RD TO SR 1004 W.					1																								1		1				
2016CPT.10.58.20902.1	Union	, ,	SR 1504 RIDGE RD/ ROUTE # 4000150489		5	2 2WI	J NO	NO	NO	0.36	20		5,027	171]						4,608	2,535	Ì		1				
2010011.10.30.20302.1	OTHOR	. ,	SR 1531 LANDER	FROM SR 1004 W. LAWYERS RD TO SR	,		INU	INU	INO	0.30	20	1	5,04/	1/1			 			1	1	1 1	+	+	+						+,000	ددرے		+ +				+	
1			BENTON RD/ROUTE #	1367 UNIONVILLE-INDIAN TRAIL RD																													1		1				
2016CPT.10.58.20902.2	Union	10	4000153189	MILEPOST 0.00 TO 1.13	8	2 2WI	U NO	NO	NO	1.13	18		14,679	543	<u> </u>						<u> </u>										13,345	7,340	<u> </u>						
1			SR 1612 E. LAWYERS	FROM US 601 NORTH TO SR 1601																																			
			RD/ ROUTE #	UNIONVILLE-BRIEF RD MILEPOST 0.00																																			
2016CPT.10.58.20902.3	Union	11	4000161289		8,9	2 2WL	J NO	NO	NO	1.18	27	1	16,681	692	 		\vdash			-				-							15,291	8,415	<u> </u>	+		-	-		
			SR 2146 PLYLER MILL	FROM SR 2152 SANDY RIDGE RD TO SR 2166 TRINITY CHURCH RD																													Ì		1				
2016CPT.10.58.20902.4	Union	15	RD/ ROUTE # 4000214689	MILEPOST 5.46 TO 8.56	8	2 2WI	U NO	NO	NO	3.1	20		40,114	1,444																	36,467	20,060	1		1				
201001 1.10.30.20302.4	UIIIOI	. 10	7000214003	FROM SR 1367 UNIONVILLE-INDIAN			INO	INO	NO	3.1	20		70,114	±, 							1										30,407	20,000	1	1 1	1				$\overline{}$
			SR 1577 FOREST	TRAIL RD TO DEAD END MILEPOST																					J										1				
2016CPT.10.58.20902.5	Union	n 16	DRIVE	0.00 TO 0.30	8	2 2WI	U NO	NO	NO	0.3	20		3,911	128	<u> </u>																3,556	1,960							
			SR 1551 HELMSVILLE	FROM US 74 TO GRAY FOX RD																																			
2016CPT.10.58.20902.6	Union	17	RD	MILEPOST 0.00 TO 0.53	8	2 2Wl	U NO	NO	NO	0.53	20		6,825	222			\vdash			-											6,205	3,415	ļ	+					
			SR 1117 SOUTH	FROM NC 200 SOUTH TO SR 1110 OLD																													Ì		1				
			PROVIDENCE RD/	WAXHAW-MONROE RD MILEPOST]								Ì		1				
2016CPT.10.58.20902.7	Union	18	ROUTE # 4000111789		11	2 2WI	U NO	NO	NO	3.17	22		44,294	1,860																	40,603	22,335	Ì		1				
														-																					İ				
	GRAND 1	ΙΔΤΟΙ								38.84		8,298	131,531	5,060	4,603	38.7	1,456 17	7.250	400 7 859	2 944	11 017	21,981	2.192	7.922	566	8.738	405	3.104	0.146	20,700	120,075	71 235	1.525	14	22 4,362	559	282	4,362	15
				ı				-		30.04		5,230	202,001	5,500	-,,505	55.7	2,.50 17	,	. 30 7,033	_,,,,,	,01/	-2,501	-,	. ,	500	5,.30		-/	,	20,.00	120,073	,	_,,,,,,	, 1	7,502	555	-32	-,,502	

PROJECT NO.	SHEET NO.	TOTAL NO.
2016CPT.10.64.10901.2, ETC	25	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT COUNTY MAP ROUTE DESCRIPTION TYP LANES LANE LENGTH WIDTH WORK ZONE TEMP. 4" X 90 M 4" X 120 8" X 90 M 8" X 90 M 8" X 90 M 24" X 120 THERMO THERMO THERMO CRYSTAL YELLOW											4413000000-E	445700000	489000	0000-F	489000	0000-E	469500	0000-E	471000000	472100	0000-F	472500	0000-F	4900000	0000-N
March Marc	PROJECT	COUNTY	МАР	ROUTE	DESCRIPTION	ТҮР	LANES L	ANE I	LENGTH																
March Marc	11101201																					LT	RT		YELLOW
March Marc																						ARROW	ARROW		
Mail																									
## STATE OF THE COLUMN											SIGNING					(HRE)									
The column The	NO		NO			NO					SF	LS	LF	EA	EA	EA	EA	EA	EA						
The column The					FROM END OF CURR AND GUTTER CLOSE TO SOUTHERN STATES TO																				
Market Product Column	2016CPT 10 64 10901 2	Union	1	US 74 FAST BOUND/ROUTE # 2000007489		1.2.3	2 1	MD	1 47	43	170.3		10.230	7.769	2 921		1 400	1 000	90	1		17	14	170	
March Marc	2010011.10.04.10301.2	Onion	-					VID	1.47	13	1,0.5		10,230	1,703	2,321		1,400	1,000	30	-		17		170	
Description	2016CPT 10 64 10901 3	Union	2				2 1	MD	1.35	32	170.3		10.230	7.128	2.834		1.028	1 000	90			17	14	170	
March Marc	201001 111010 111030113	0		0071112012001127, 110012 11 2000007 103		1,2,3		5	1.00	- 52	1,0,0		10,230	7,120	2,00		1,020	2,000	30						
The control of the	2016CPT 10 64 10901 4	Union	3	NC 205/ ROUTE # 3000020589		4	2 2	W/11	0.72	22	170 3		8 000			5 675			55		12				48
The column	201001 111010 111030111	0		·		·			0172		1,0,0		0,000			3,073			- 55						
Section Sect	2016CDT 10 64 20001 F	Union				4	2 2	\A/I I	0.60	20	170.2														40
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				CRAND TOTAL					38.84		3,065.4	1	62,736	14,897	5,755	39,951	2,428	2,000	401	1	24	34	28	340	307
77,633 45,706 4,428 25 62 647				GRAND IOTAL																					
													77,	,633	45,	706	4,4	128		2	.5	62	2	64	7

PROJ. REFERENCE NO. SHEET NO. 2016CPT.10.64.10901.2, etc TMP-1

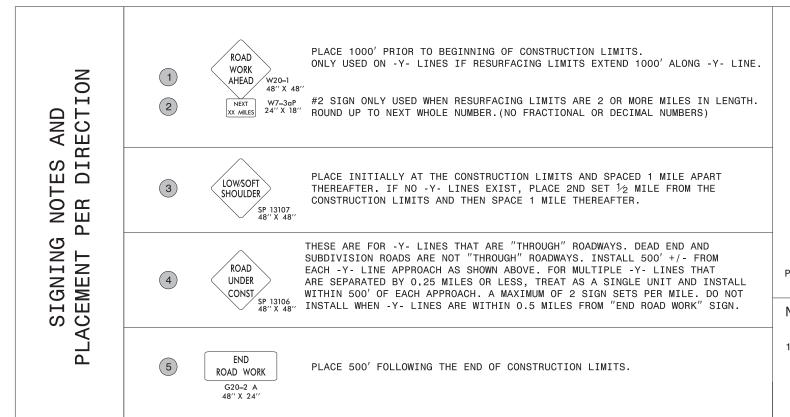


← DIRECTION OF TRAFFIC FLOW

- STATIONARY SIGN

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING



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, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE

-Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.





PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

NOTES:

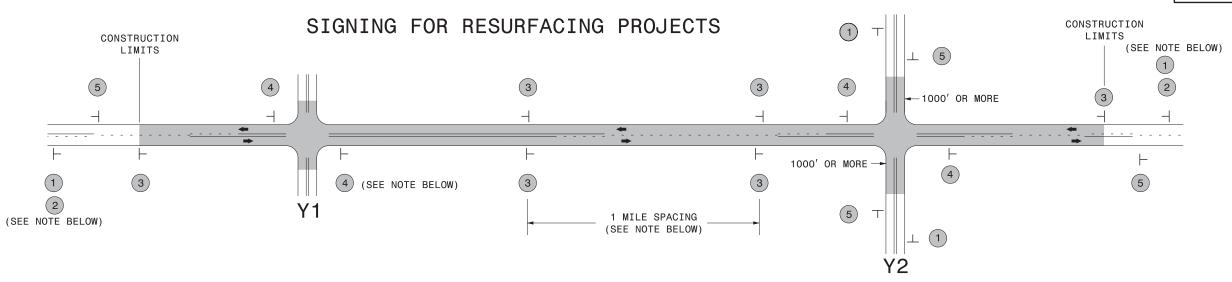
1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.



RESURFACING
ADVANCE WARNING SIGNS
FOR RURAL AND SUBURBAN
MULTI-LANE ROADWAYS
W/ SHOULDER SECTIONS

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PROJ. REFERENCE NO. SHEET NO. 2016CPT.10.64.10901.2, etc TMP-2

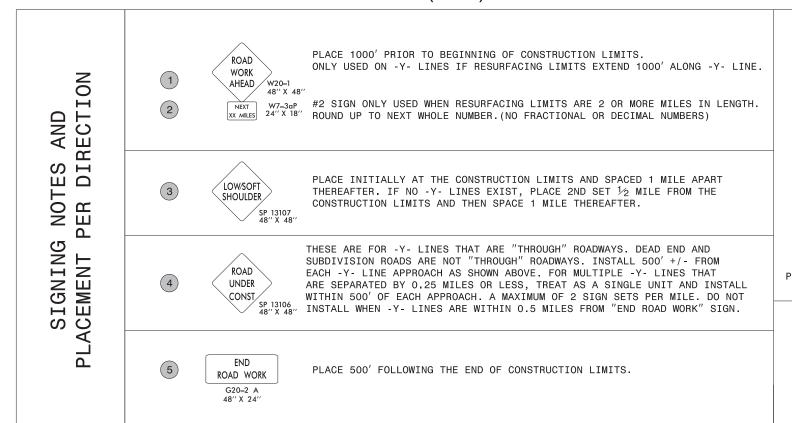


LEGEND — STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING



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, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE

-Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.





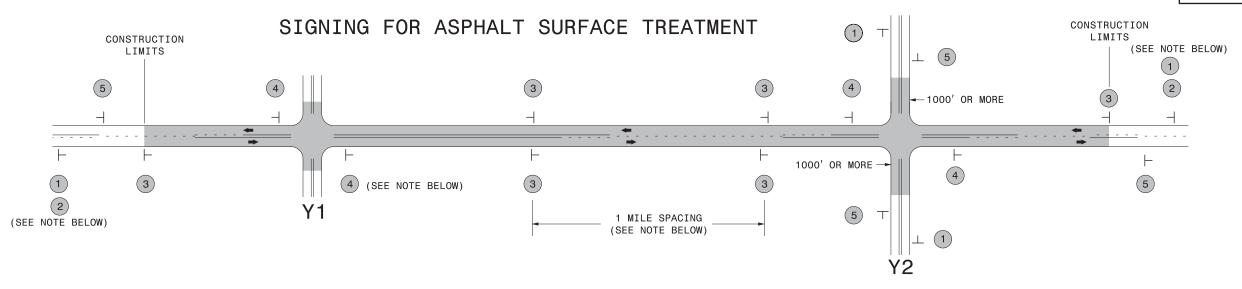
PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.



RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2 LANE ROADWAYS

garrettivownloadsikesurtacing_aavwarn_zin (z).dgn ett

PROJ. REFERENCE NO. SHEET NO. 2016CPT.10.64.10901.2, etc TMP-3



LEGEND - STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION



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 RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)

3 LOOSE GRAVEL W8-7 48" X 48"

ALTERNATE THE FOLLOWING TWO SIGNS:

STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT".

PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.

UNMARKED
PAVEMENT
SP
48" X 48"

CONST

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.

END ROAD WORK G20-2 A 48" X 24"

PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.

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, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE

-Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



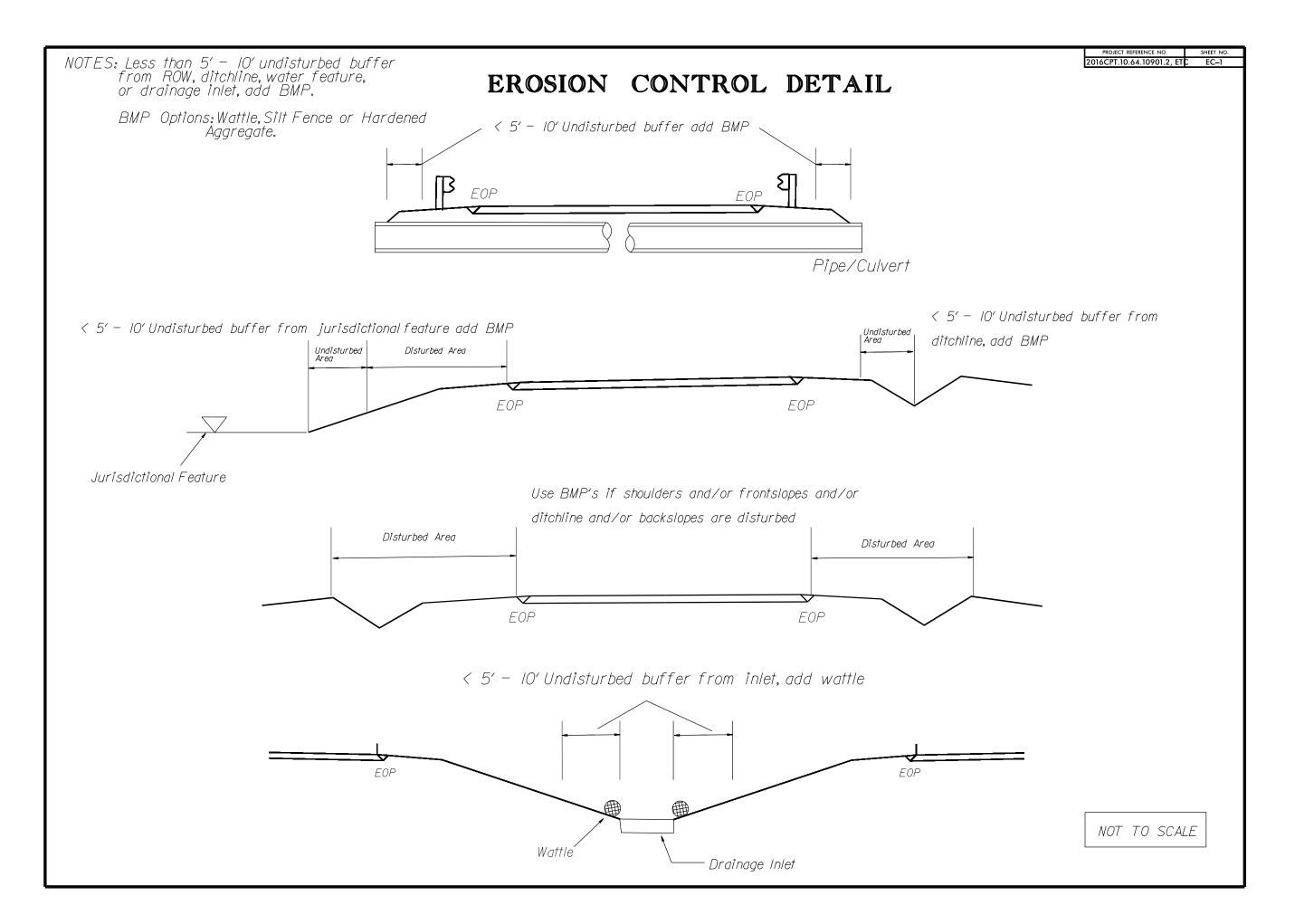


PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.



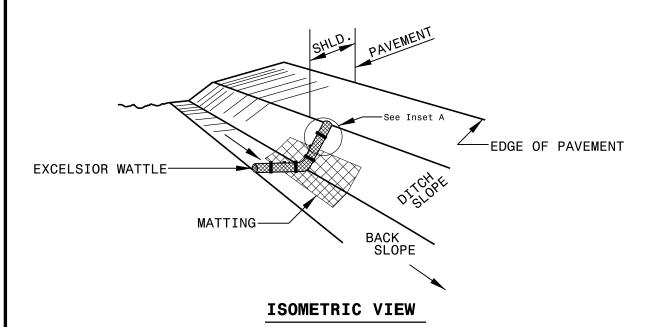
ADVANCE WARNING SIGNS FOR ASPHALT SURFACE TREATMENTS 2 LANE ROADWAYS

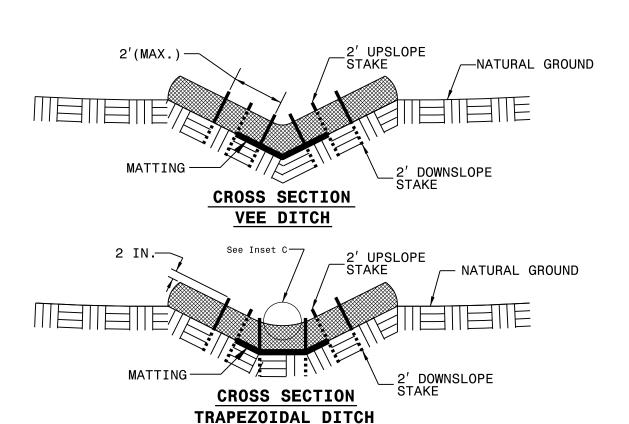
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PROJECT REFERENCE NO.	SHEET NO.
2016CPT.10.64.10901.2, ETC	EC-2

WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL





OTES:

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.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.

