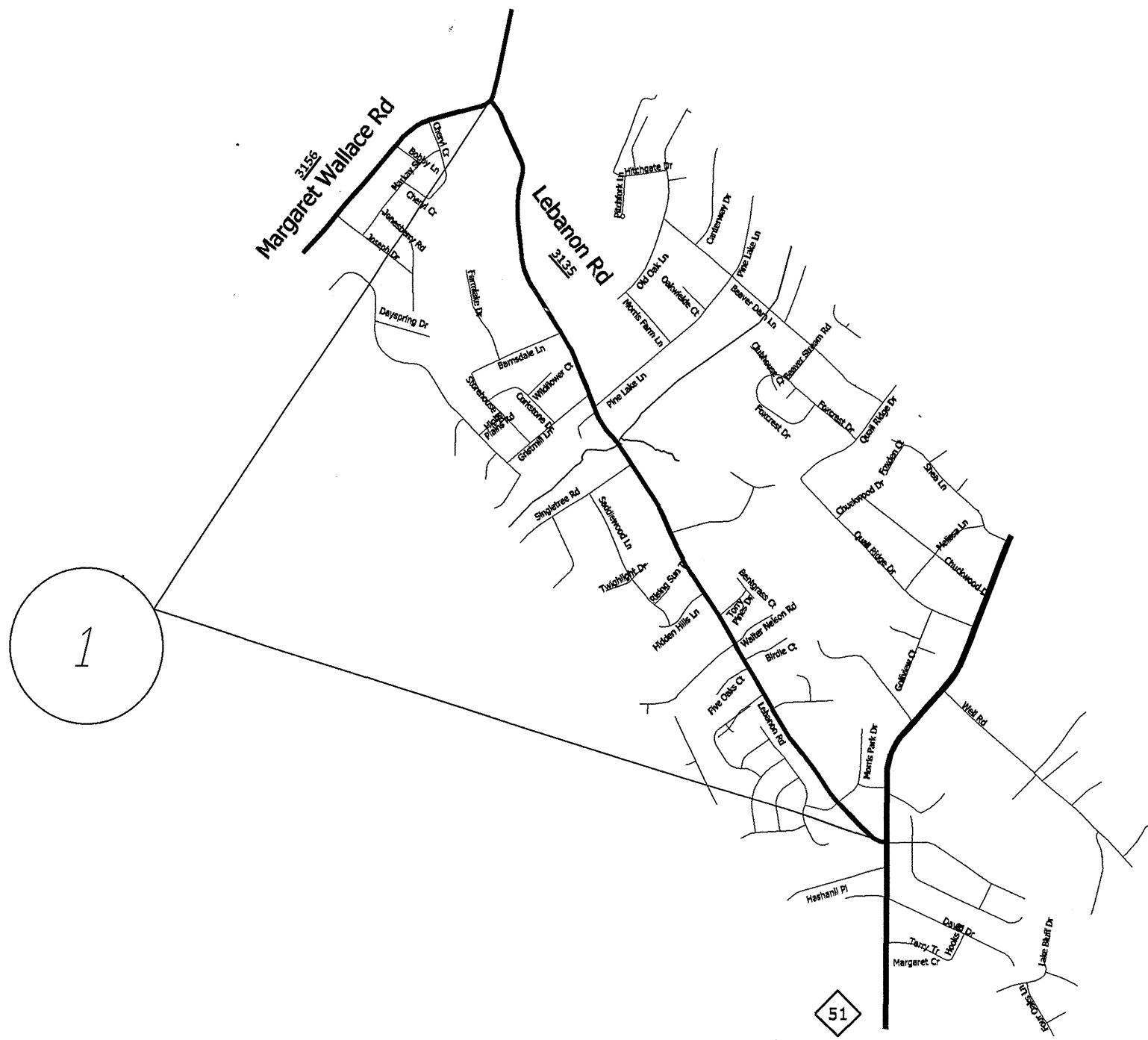


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		1	
WBS NO.	10CR.10601.79, ETC.		




MAP

DESCRIPTION

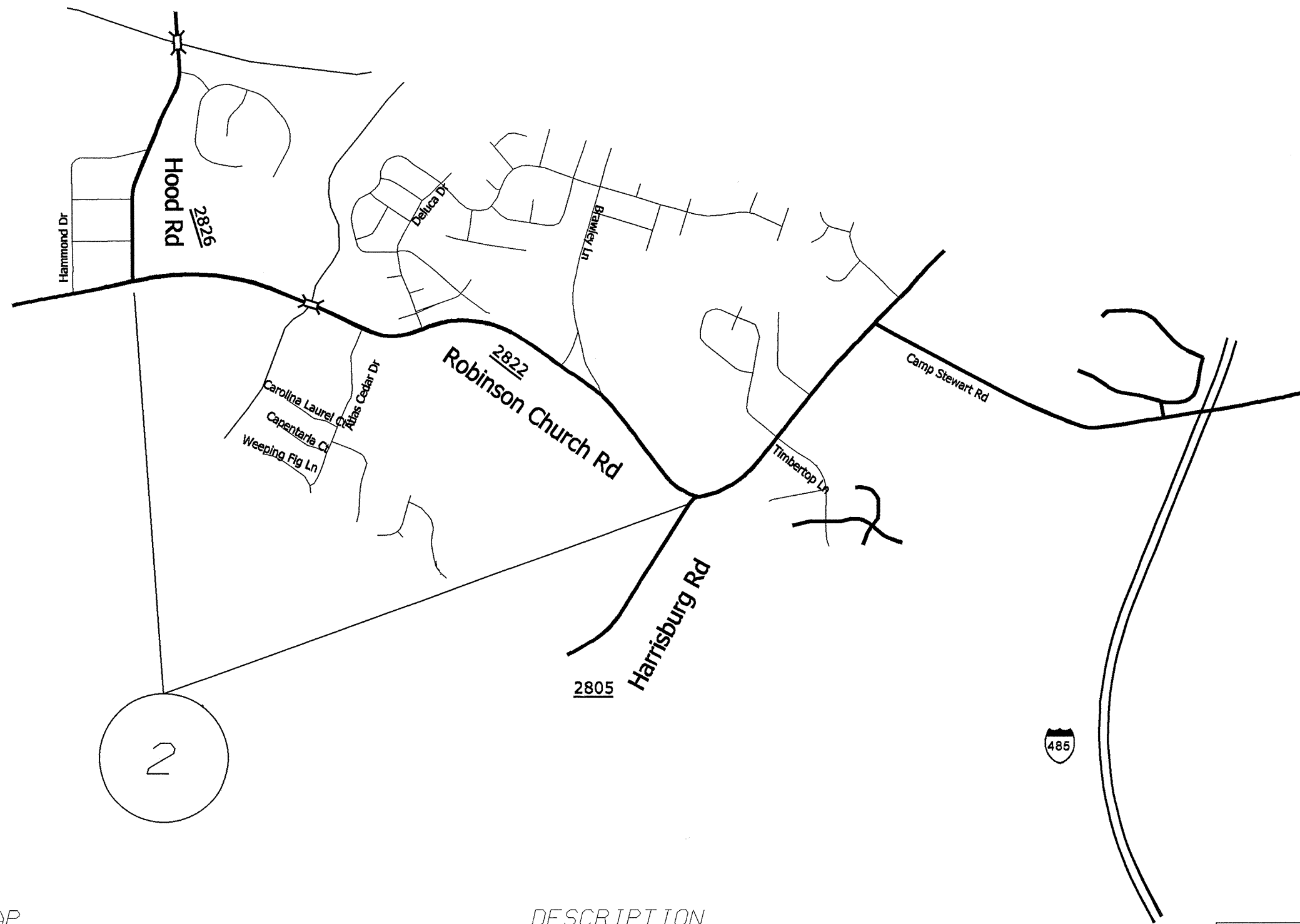
1 SR-3135 (LEBANNON RD)

FROM NC 51 TO SR-3156 (MARGARET WALLACE RD)

2013/2014 MECKLENBURG COUNTY
RESURFACING

SCALE	-NA-		REVISIONS
DATE	1/13		
DWG. BY	JHW		
DESIGN BY	JHW		
APPROVED	BDC		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		2	
WBS NO.	10CR.10601.79, ETC.		



MAP

DESCRIPTION

2 SR-2822 (ROBINSON CHURCH RD) FROM SR-2805 (HARRISBURG RD) TO SR-2826 (HOOD RD)

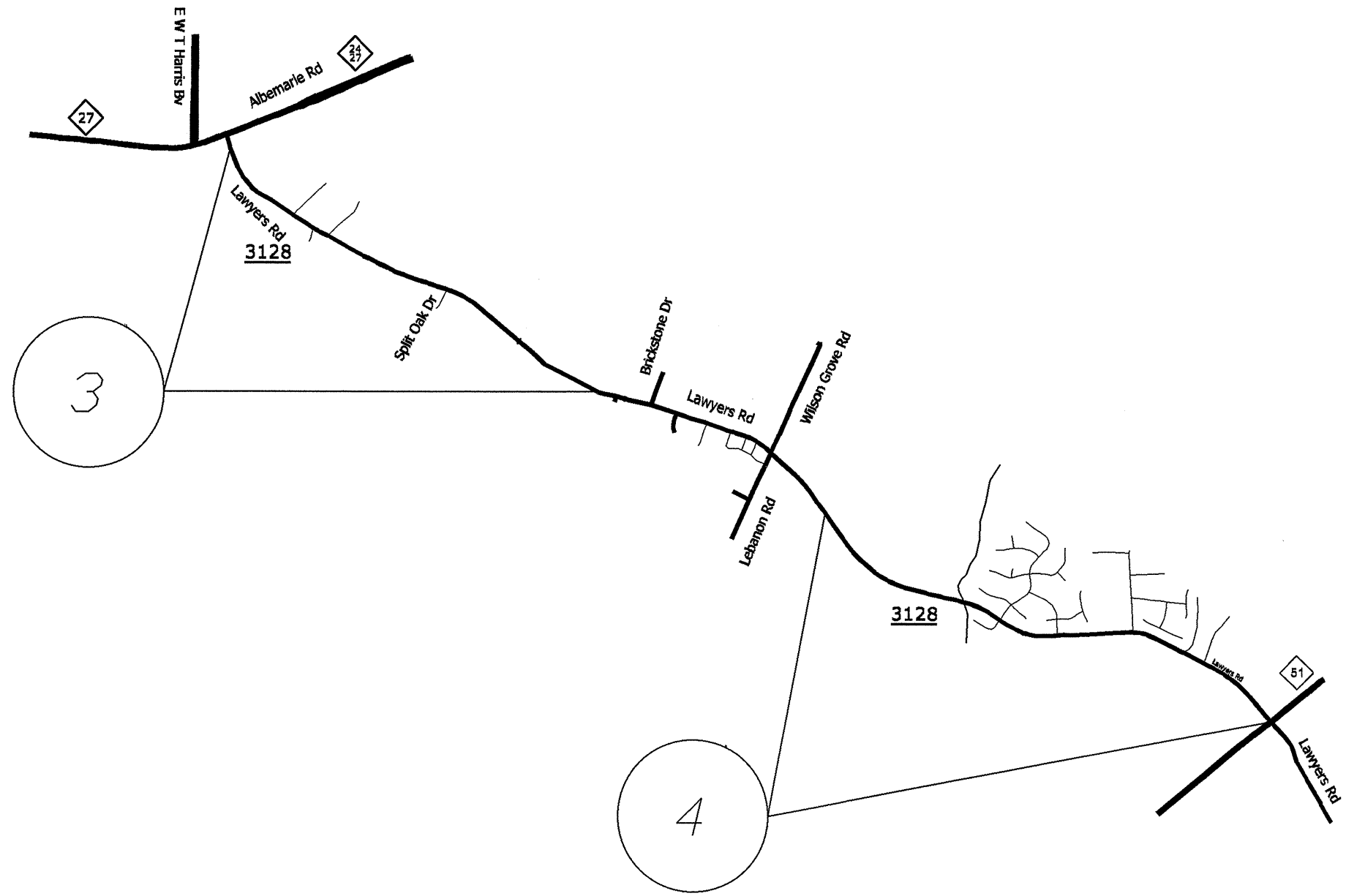
2013/2014 MECKLENBURG COUNTY
RESURFACING

SCALE	-NA-
DATE	1/13
DWG. BY	JHW
DESIGN BY	JHW
APPROVED	BDC



REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		3	
WBS NO.	10CR.10601.79, ETC.		



MAP

DESCRIPTION

3 SR-3128 (LAWYERS RD)

FROM NC 24-27 (ALBEMARLE RD) TO PVMT JOINT

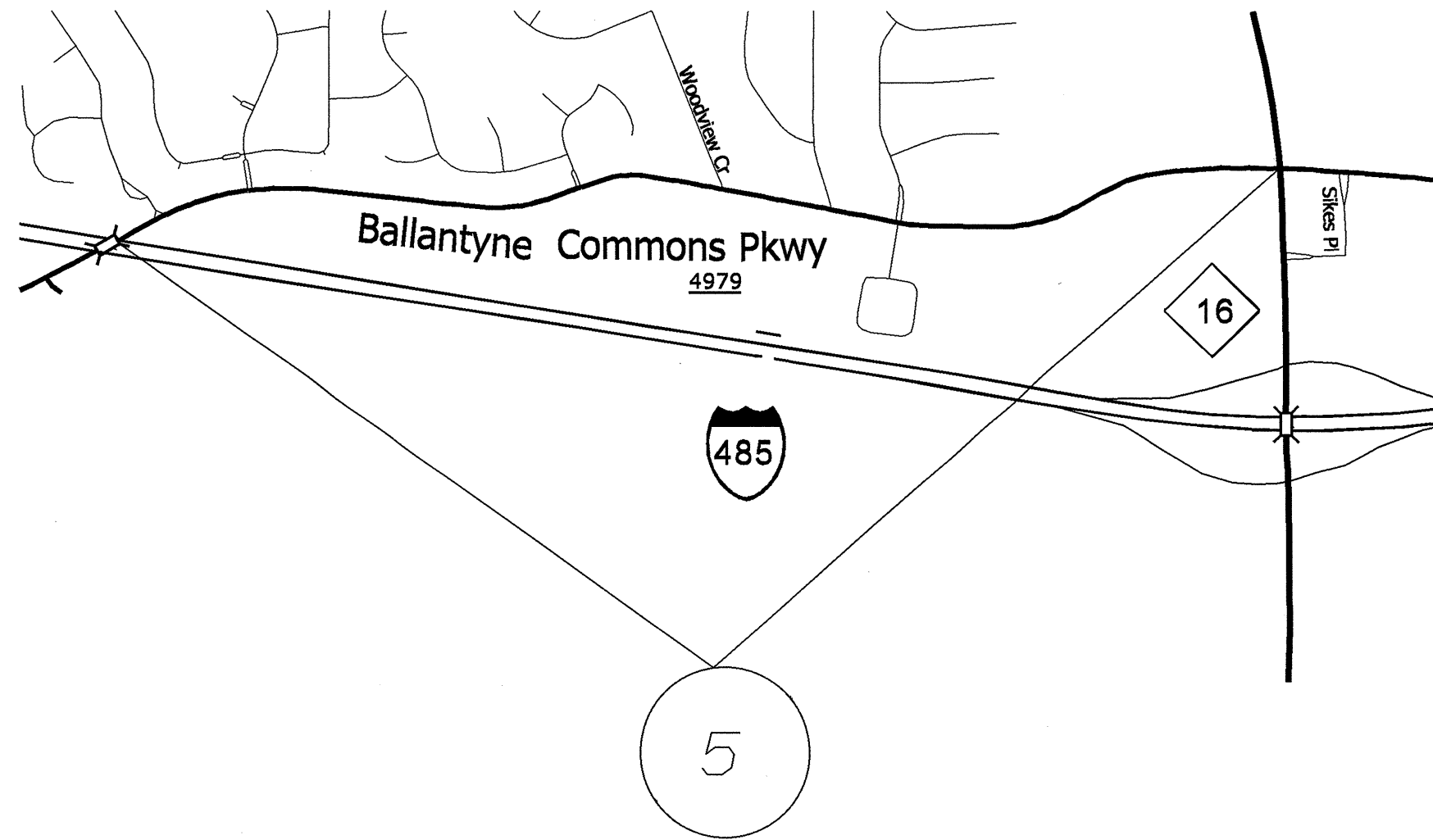
4 SR-3128 (LAWYERS RD)

FROM PVMT. JOINT EAST OF LEBANNON RD TO NC 51

2013/2014 MECKLENBURG COUNTY RESURFACING

SCALE	-NA-		REVISIONS
DATE	1/13		
DWG. BY	JHW		
DESIGN BY	JHW		
APPROVED	BDC		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		4	
WBS NO.	10CR.10601.79, ETC.		



MAP DESCRIPTION
 #5 SR-4979 (BALLANTYNE COMMONS PY) FROM NC 16 TO I-485

2013/2014 MECKLENBURG COUNTY RESURFACING		
SCALE	-NA-	REVISIONS
DATE	1/13	
DWG. BY	JHW	
DESIGN BY	JHW	
APPROVED	BDC	



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		5	
WBS NO.	10CR.10601.79, ETC.		



MAP

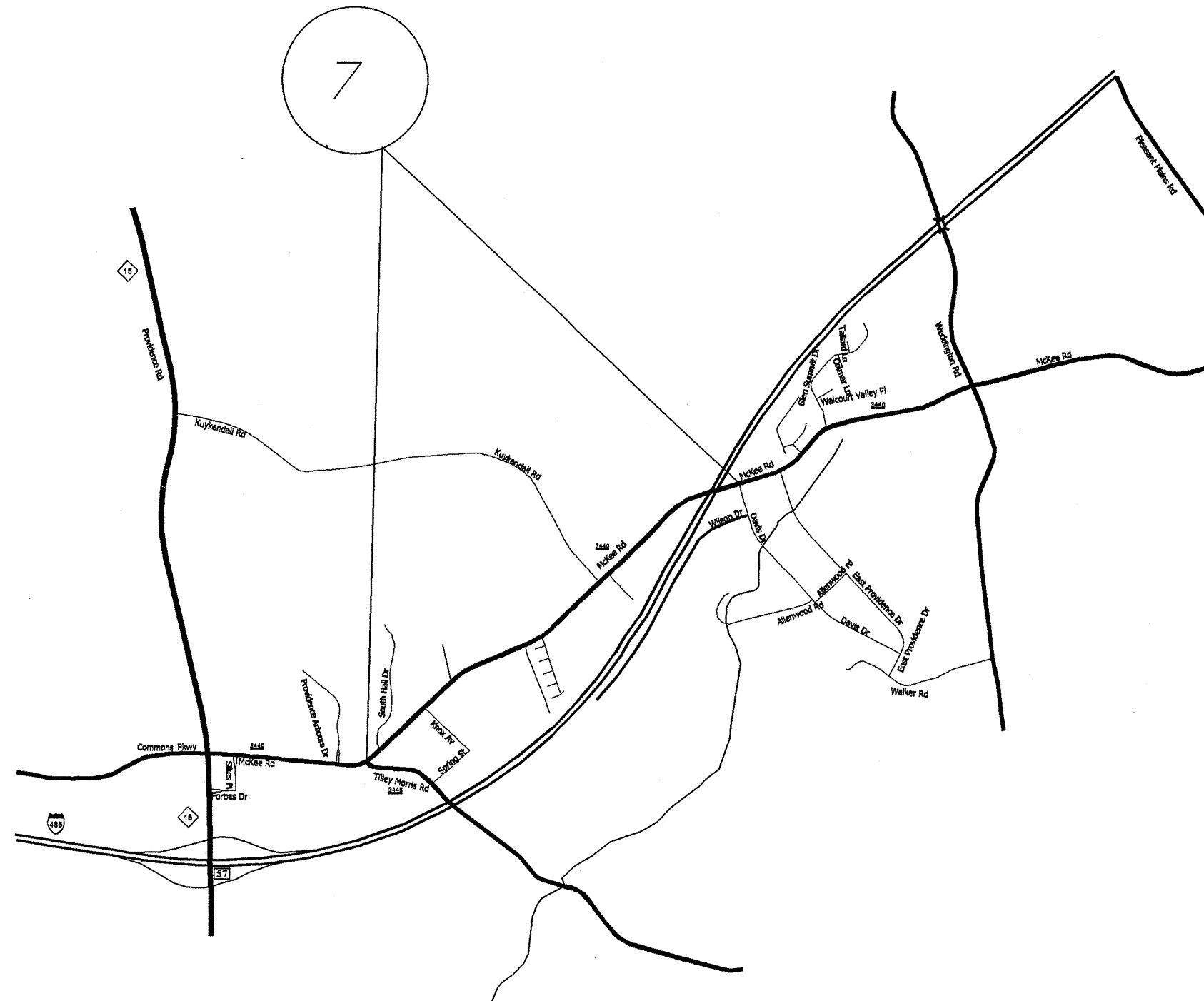
DESCRIPTION

#6 SR-1126 (NATIONS FORD RD) FROM .02 MILES N. OF DOWN RD TO .015 MILES S. OF SUGAR CREEK

2013/2014 MECKLENBURG COUNTY RESURFACING		REVISIONS	
SCALE	-NA-		
DATE	1/13		
DWG. BY	JHW		
DESIGN BY	JHW		
APPROVED	BDC		



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		6	
WBS NO.	10CR-10601.79, ETC.		



MAP

#7 SR-3440 (MCKEE RD)

DESCRIPTION

FROM PAVEMENT JOINT TO SR-3445 (TILLEY MORRIS RD)

2013/2014 MECKLENBURG COUNTY
RESURFACING

SCALE	-NA-
DATE	1/13
DWG. BY	PAG
DESIGN BY	JHW
APPROVED	BDC



REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		7	
WBS NO.	10CR.10601.79, ETC.		




MAP

8 SR-3468 (WEDDINGTON RD)

DESCRIPTION

FROM SR-3440 (MCKEE RD) TO PAVEMENT JOINT

2013/2014 MECKLENBURG COUNTY RESURFACING	
SCALE	-NA-
DATE	1/13
DWG. BY	PAG
DESIGN BY	JHW
APPROVED	BDC
	
REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		3	
WBS NO.	10CR.10601.79, ETC.		



MAP

DESCRIPTION

9 SR-3448 (PLEASANT PLAINS RD)

FROM I-485 TO PAVEMENT JOINT

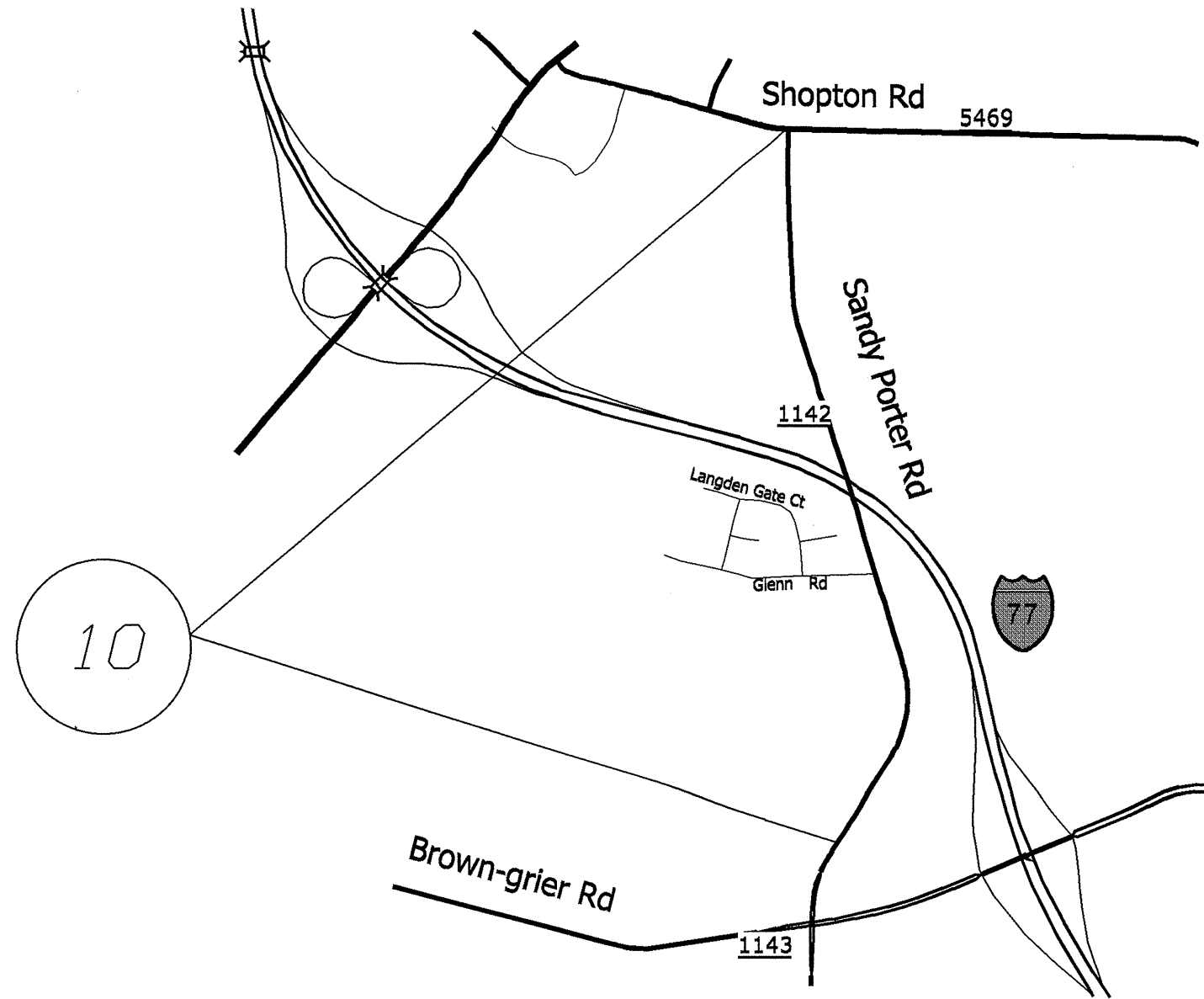
2013/2014 MECKLENBURG COUNTY
RESURFACING

SCALE	-NA-
DATE	1/13
DWG. BY	PAG
DESIGN BY	JHW
APPROVED	BDC



REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		9	
WBS NO.	10CR.10601.79, ETC.		



MAP

10 SR-1142 (SANDY PORTER RD)

DESCRIPTION

FROM PVMT JNT .27mi N OF SR-1143
(BROWN-GRIER RD) TO SR-5469 (SHOPTON RD)

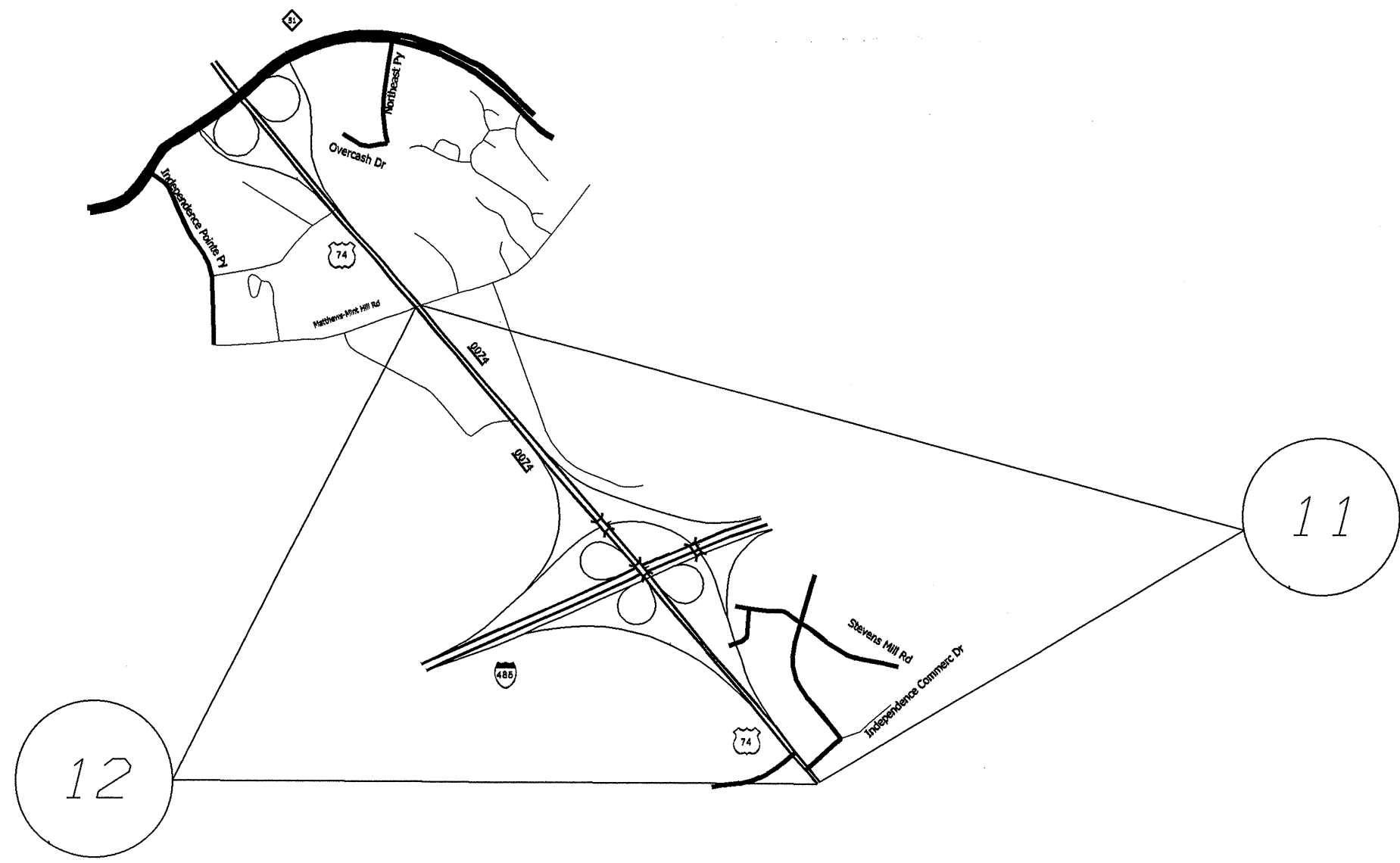
2013/2014 MECKLENBURG COUNTY
RESURFACING

SCALE	-NA-
DATE	1/13
DWG. BY	JHW
DESIGN BY	JHW
APPROVED	BDC



REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		10	
F.A. PROJECT NO. 10CR.10601.79, ETC.			




MAP

- # 11 US 74 (INDEPENDENCE BLVD)
- # 12 US 74 (INDEPENDENCE BLVD)

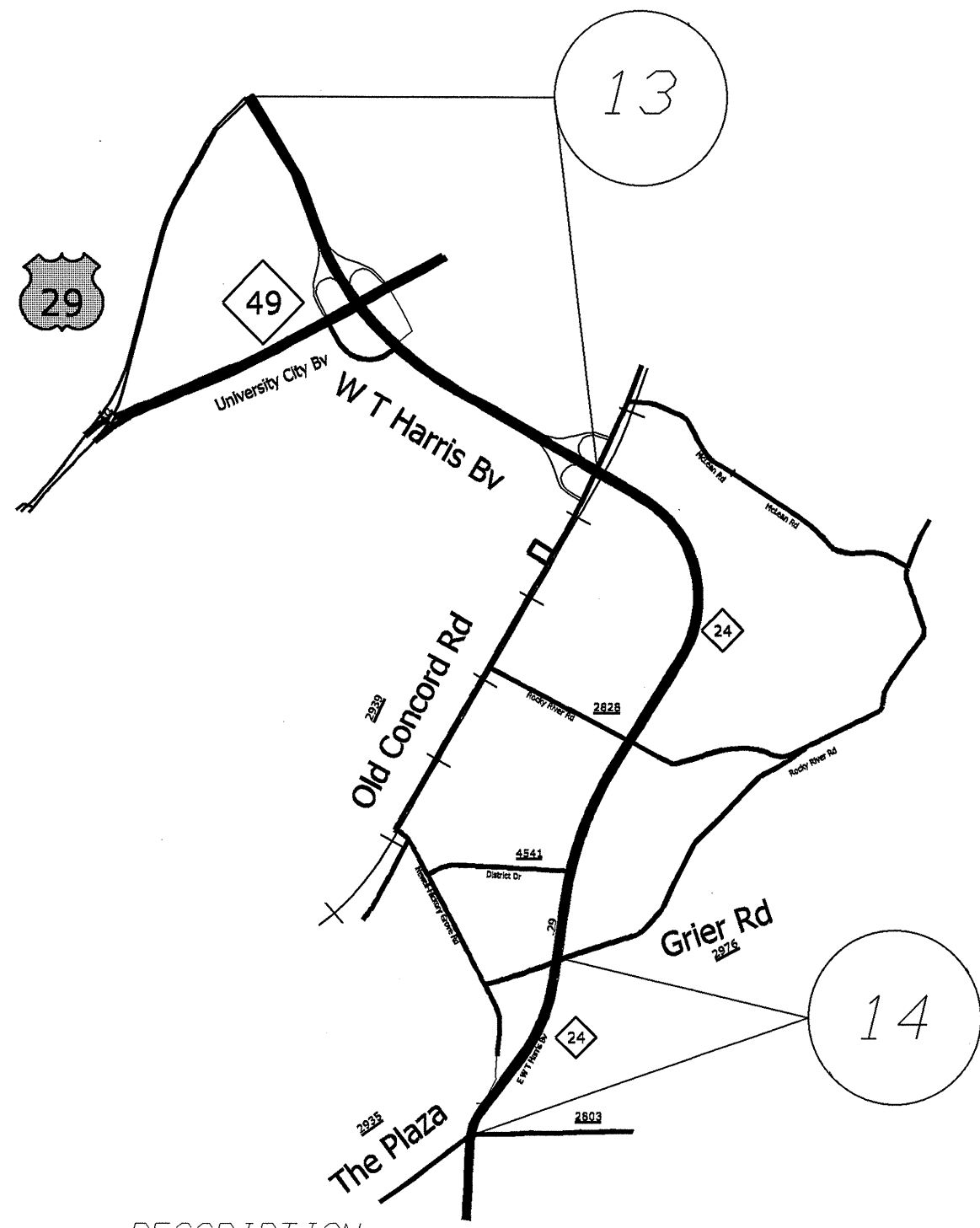
DESCRIPTION

FROM UNION CO. LINE TO MATTHEWS-MINT HILL RD
 FROM MATTHEWS-MINT HILL RD TO UNION CO. LINE

2013/2014 MECKLENBURG COUNTY
RESURFACING

SCALE	-NA-		REVISIONS
DATE	1/13		
DWG. BY	JHW		
DESIGN BY	JHW		
APPROVED	BDC		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		11	
WBS NO.	10CR.10601.79, ETC.		



MAP

- # 13 NC 24 (HARRIS BLVD (SB))
- # 14 NC 24 (HARRIS BLVD (SB))

DESCRIPTION

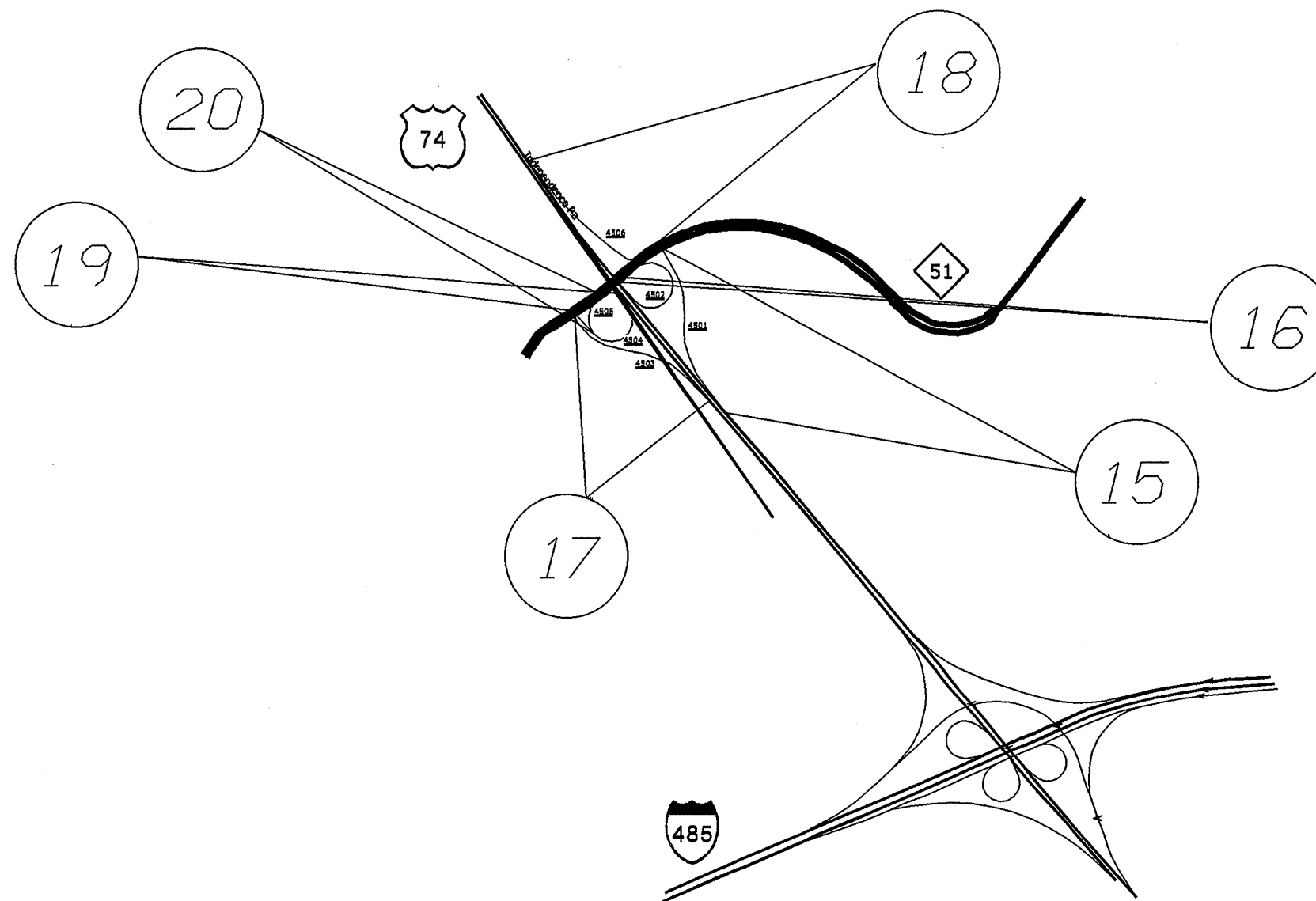
FROM HWY 29 (N. TRYON ST) TO SR-2939
(OLD CONCORD RD)

FROM SR-2976 (GRIER RD) TO SR-2935
(PLAZA RD)

2013/2014 MECKLENBURG COUNTY
RESURFACING

SCALE	-NA-		REVISIONS
DATE	1/13		
DWG. BY	JHW		
DESIGN BY	JHW		
APPROVED	BDC		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		12	
WBS NO.	10CR.10601.79, ETC.		



MAP

- # 15 NC 51 (MATTHEWS-TOWNSHIP PKWY)
- # 16 NC 51 (MATTHEWS-TOWNSHIP PKWY)
- # 17 NC 51 (MATTHEWS-TOWNSHIP PKWY)
- # 18 NC 51 (MATTHEWS-TOWNSHIP PKWY)
- # 19 NC 51 (MATTHEWS-TOWNSHIP PKWY)
- # 20 NC 51 (MATTHEWS-TOWNSHIP PKWY)

DESCRIPTION

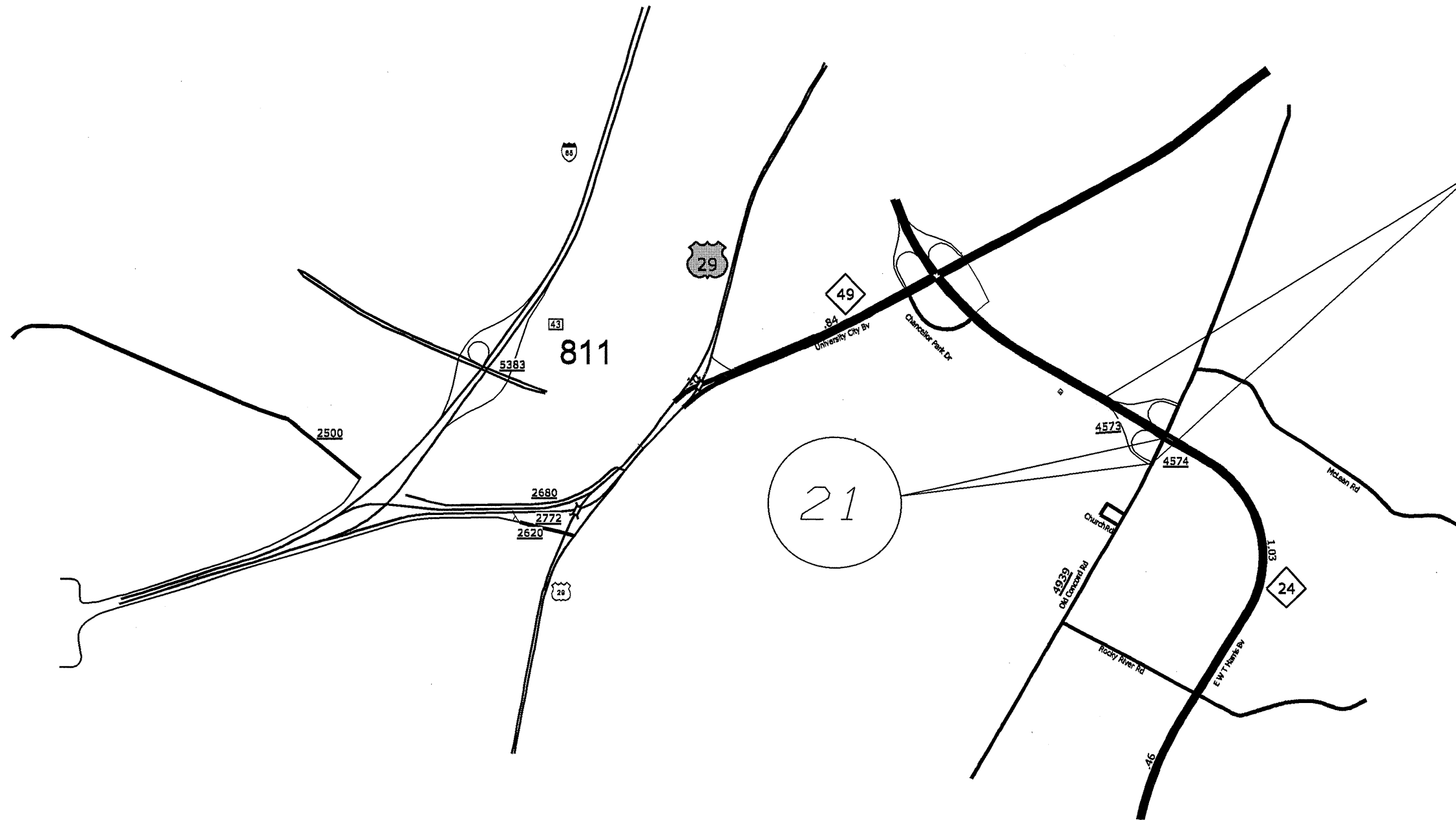
- OFF-RAMP FROM W 74 TO NC 51
- NC 51 TO W 74
- RAMP FROM NC 51 TO E 74
- NC 51 TO W 74 (RAMP)
- E NC 74 TO W NC 51
- E NC 74 TO E NC 51



2013/2014 MECKLENBURG COUNTY RESURFACING		
SCALE	-NA-	REVISIONS
DATE	1/13	
DWG. BY	PAG	
DESIGN BY	JHW	
APPROVED	BDC	



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		13	
WBS NO.	10CR.10601.79, ETC.		



MAP

- #21 NC 24 (HARRIS BLVD)
- #22 NC 24 (HARRIS BLVD)

DESCRIPTION

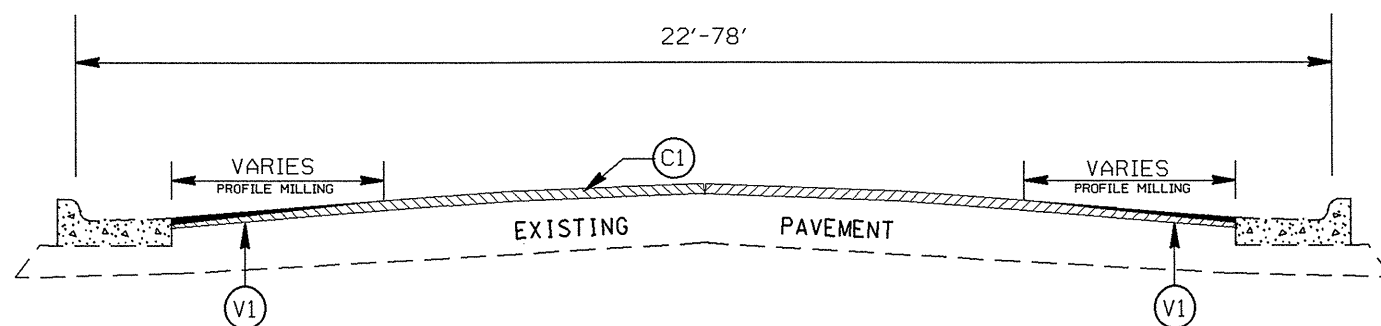
LOOP. SR-4939 (OLD CONCORD RD) TO NC 24 (W.T. HARRIS (SB))

RAMP. NC 24 (W.T. HARRIS (SB)) TO SR-4939 (OLD CONCORD RD)

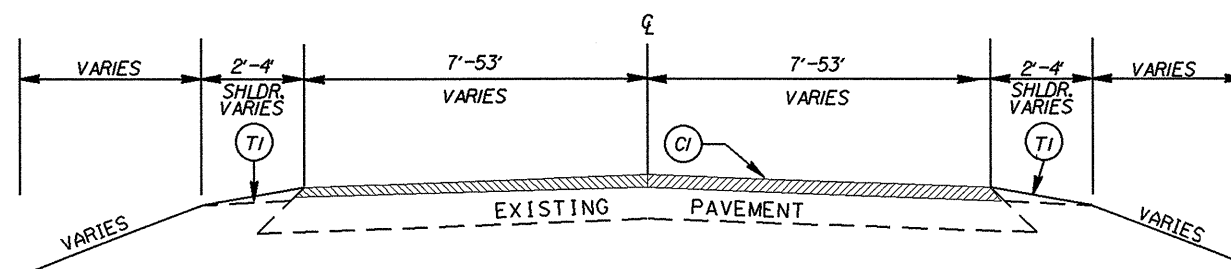
2013/2014 MECKLENBURG COUNTY RESURFACING

SCALE	-NA-		REVISIONS
DATE	1/13		
DWG. BY	PAG		
DESIGN BY	JHW		
APPROVED	BDC		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		14	
WBS NO.	10CR.10601.79, ETC.		

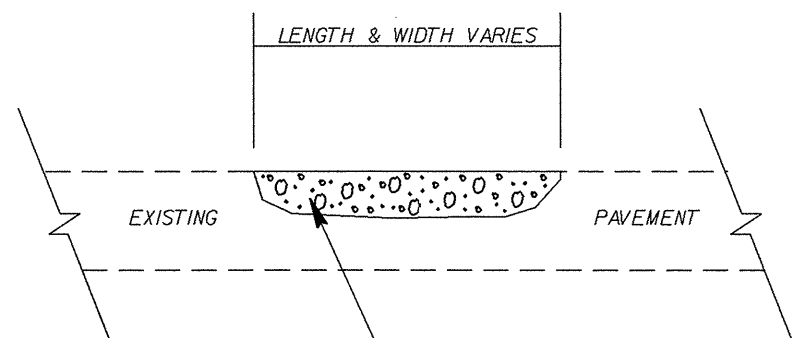


TYPICAL SECTION NO. 2



TYPICAL SECTION NO. 1


PATCHING DETAIL



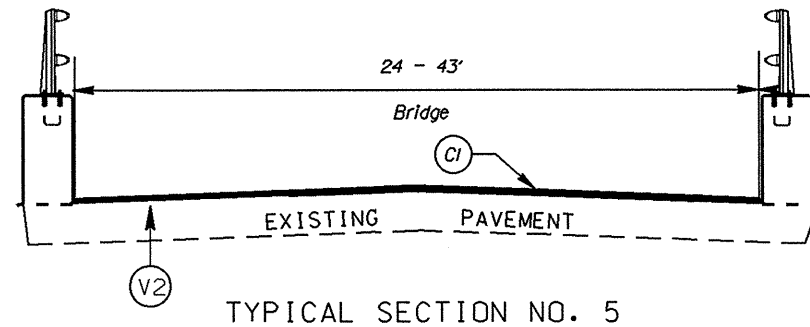
RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER. ASPHALT TYPE B25.0C SHALL BE PLACED.

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #6M.
T1	SHOULDER RECONSTRUCTION.
V1	PROFILE MILLING 0" TO 1.5"
V2	MILLING 1.5" DEPTH

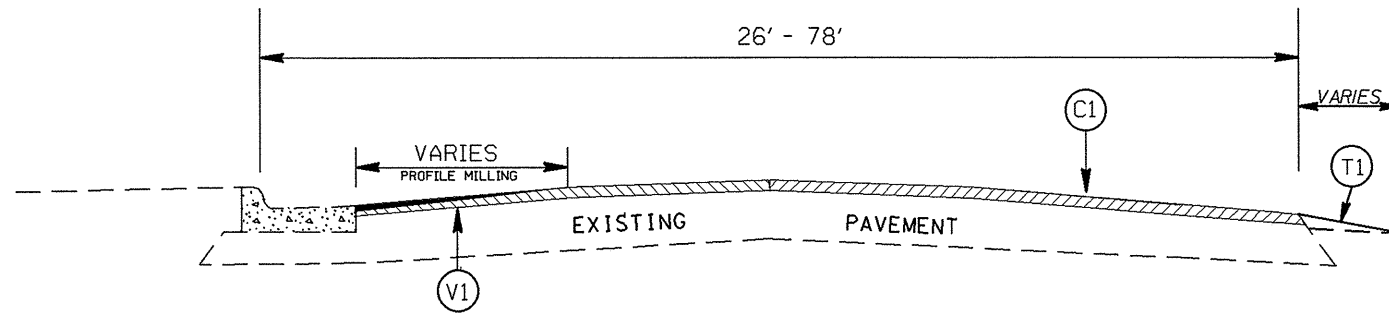
2013/2014 MECKLENBURG COUNTY RESURFACING

SCALE	-NA-		REVISIONS
DATE	2/13		
DWG. BY	JHW		
APPROVED	BDC		

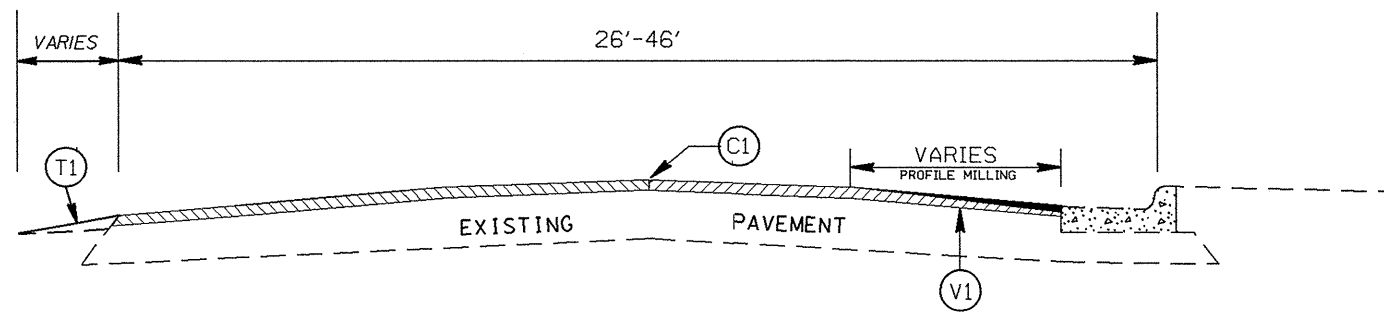
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		15	
WBS NO.	10CR.1060L79, ETC.		



TYPICAL SECTION NO. 5



TYPICAL SECTION NO. 4



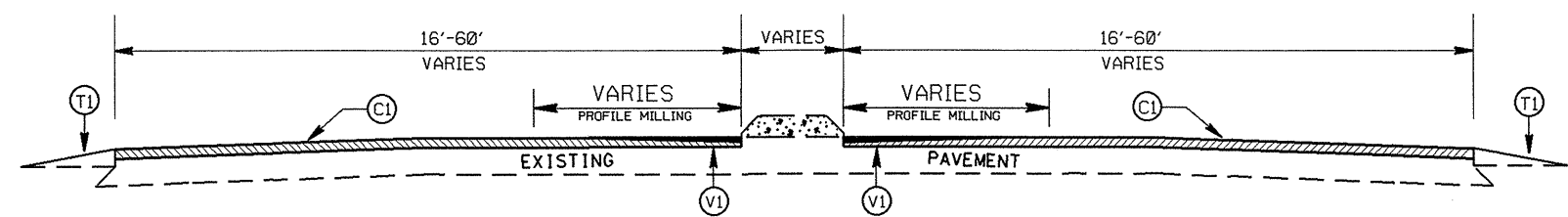
TYPICAL SECTION NO. 3

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #8M.
T1	SHOULDER RECONSTRUCTION.
V1	PROFILE MILLING 0" TO 1.5"
V2	MILLING 1.5" DEPTH

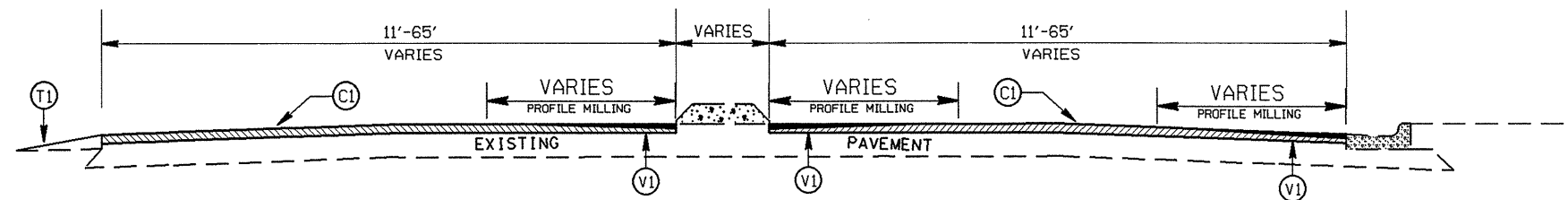
2013/2014 MECKLENBURG COUNTY
RESURFACING

SCALE	-NA-		REVISIONS
DATE	2/13		
DWG. BY	JHW		
DESIGN BY	JHW		
APPROVED	BDC		

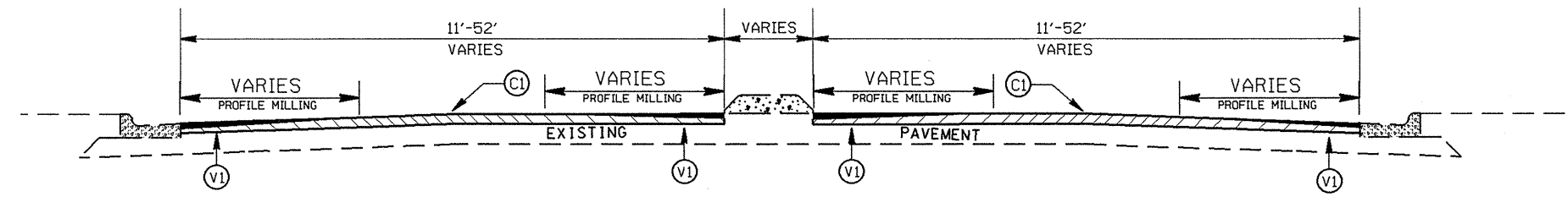
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		16	
WBS NO.	IOCRJ060179, ETC.		



TYPICAL SECTION NO. 8




TYPICAL SECTION NO. 7



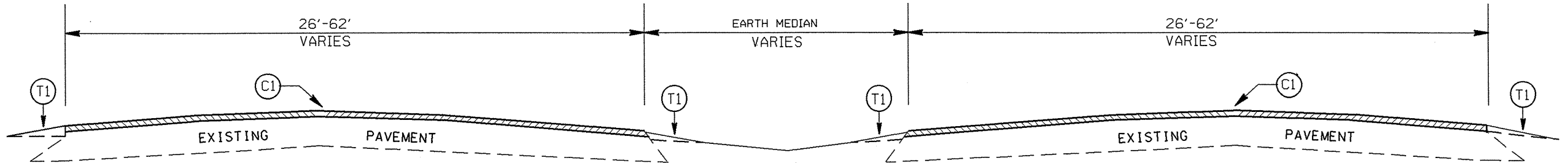
TYPICAL SECTION NO. 6

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #6M.
T1	SHOULDER RECONSTRUCTION.
V1	PROFILE MILLING 0" TO 1.5"
V2	MILLING 1.5" DEPTH

2013/2014 MECKLENBURG COUNTY RESURFACING

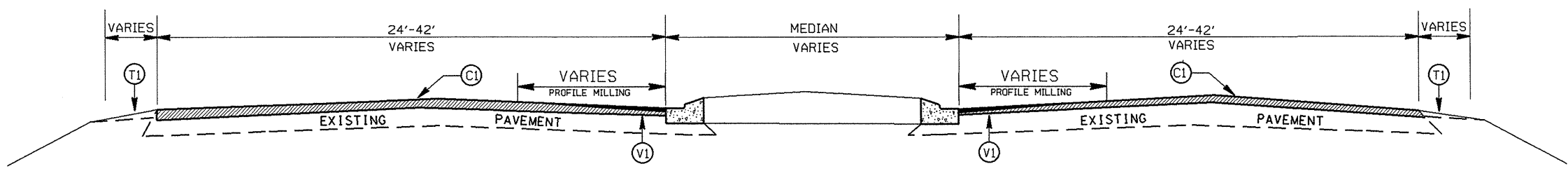
SCALE	-NA-		REVISIONS
DATE	2/13		
DWG. BY	PAG		
DESIGN BY	JHW		
APPROVED	BDC		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		17	
WBS NO.	IOCR10601.79, ETC.		




TYPICAL SECTION NO. 10

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #6M.
T1	SHOULDER RECONSTRUCTION.
V1	PROFILE MILLING 0" TO 1.5"
V2	MILLING 1.5" DEPTH

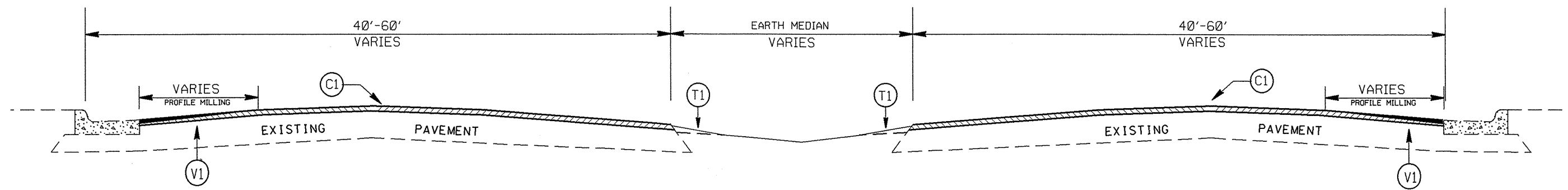


TYPICAL SECTION NO. 9

2013/2014 MECKLENBURG COUNTY RESURFACING

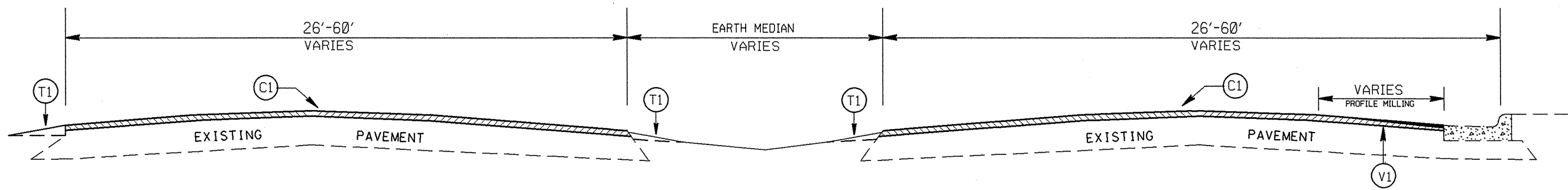
SCALE	-NA-		REVISIONS
DATE	2/13		
DWG. BY	PAG		
DESIGN BY	JHW		
APPROVED	BDC		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		18	
WBS NO.	IOCRJ0601.79, ETC.		




TYPICAL SECTION NO. 12

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #8M.
T1	SHOULDER RECONSTRUCTION.
V1	PROFILE MILLING 0" TO 1.5"
V2	MILLING 1.5" DEPTH

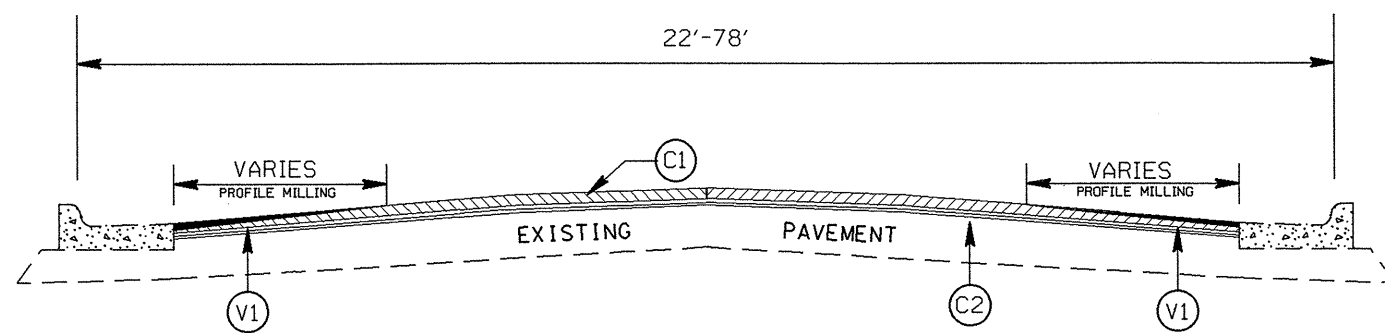


TYPICAL SECTION NO. 11

2013/2014 MECKLENBURG COUNTY
RESURFACING

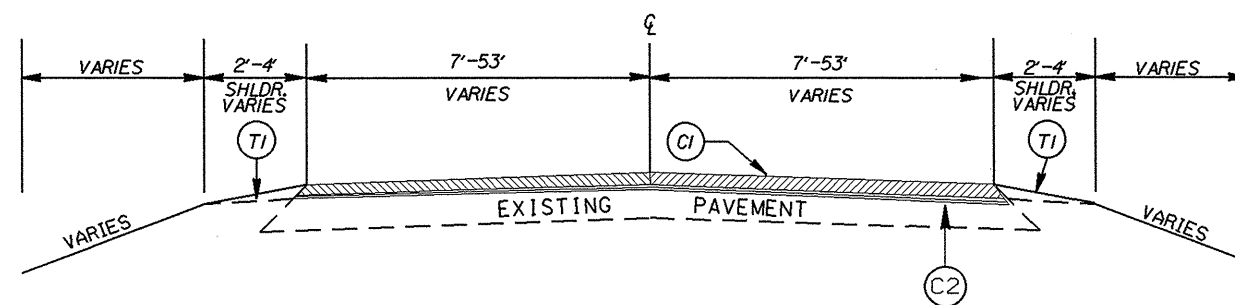
SCALE	-HA-		REVISIONS
DATE	2/13		
DWG. BY	PAG		
DESIGN BY	JHM		
APPROVED	BDC		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		19	
WBS NO.	IOCR.10601.79, ETC.		




TYPICAL SECTION NO. 14

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #6M.
T1	SHOULDER RECONSTRUCTION.
V1	PROFILE MILLING 0" TO 1.5"
V2	MILLING 1.5" DEPTH

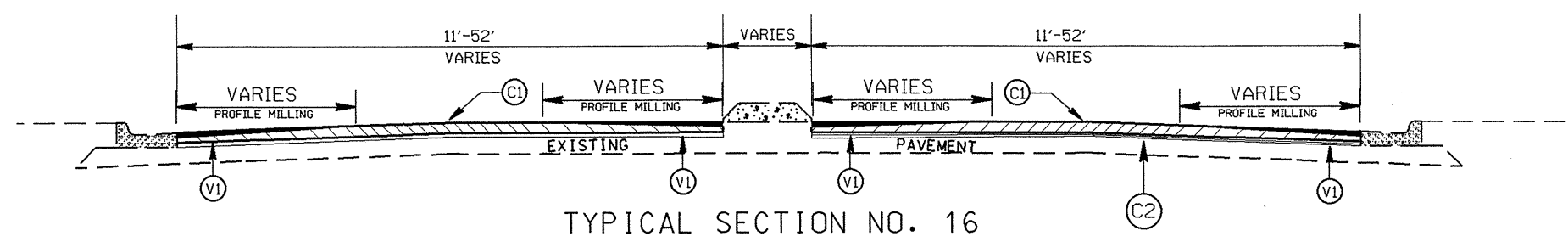


TYPICAL SECTION NO. 13

2013/2014 MECKLENBURG COUNTY
RESURFACING

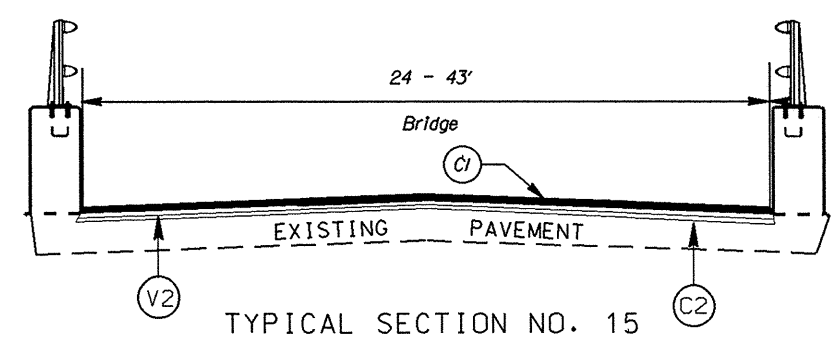
SCALE	-NA-		REVISIONS
DATE	2/13		
DWG. BY	JHW		
DESIGN BY	JHW		
APPROVED	BDC		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		20	
WBS NO.	IOCRJ060L79, ETC.		




TYPICAL SECTION NO. 16

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. ASPHALT SURFACE TREATMENT, MATCOAT #6M.
T1	SHOULDER RECONSTRUCTION.
V1	PROFILE MILLING 0" TO 1.5"
V2	MILLING 1.5" DEPTH

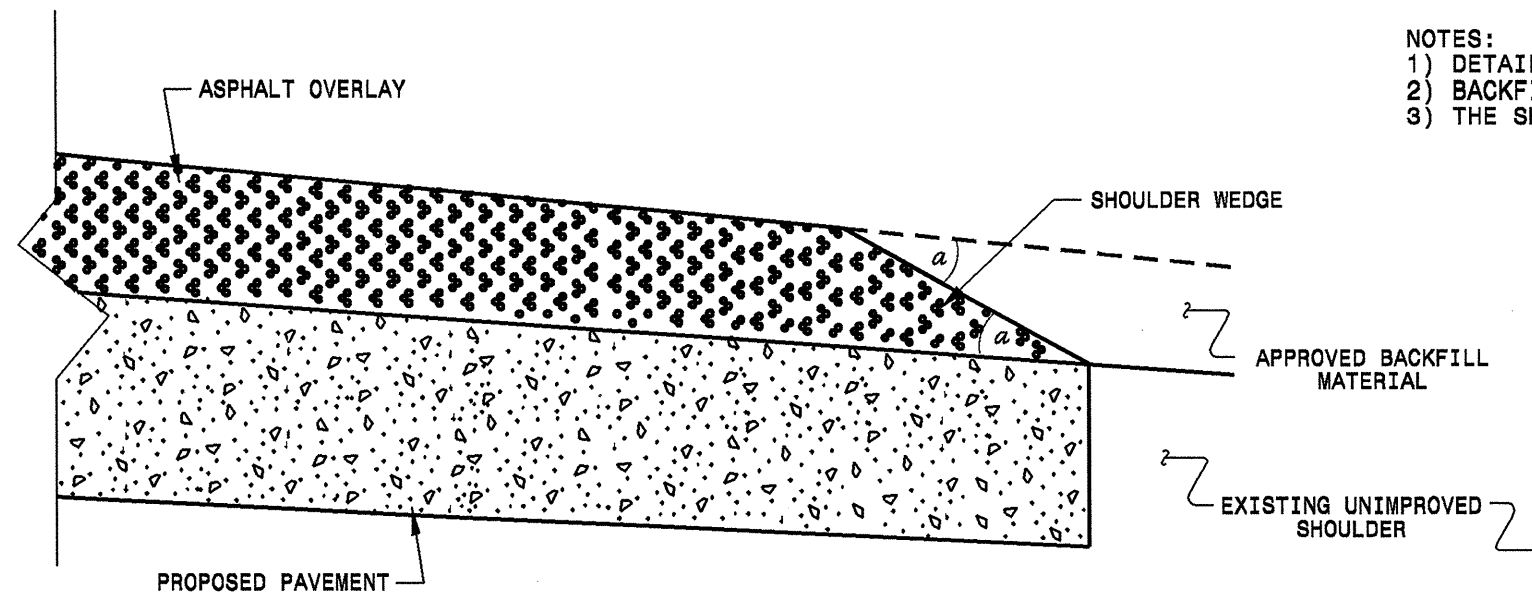


TYPICAL SECTION NO. 15

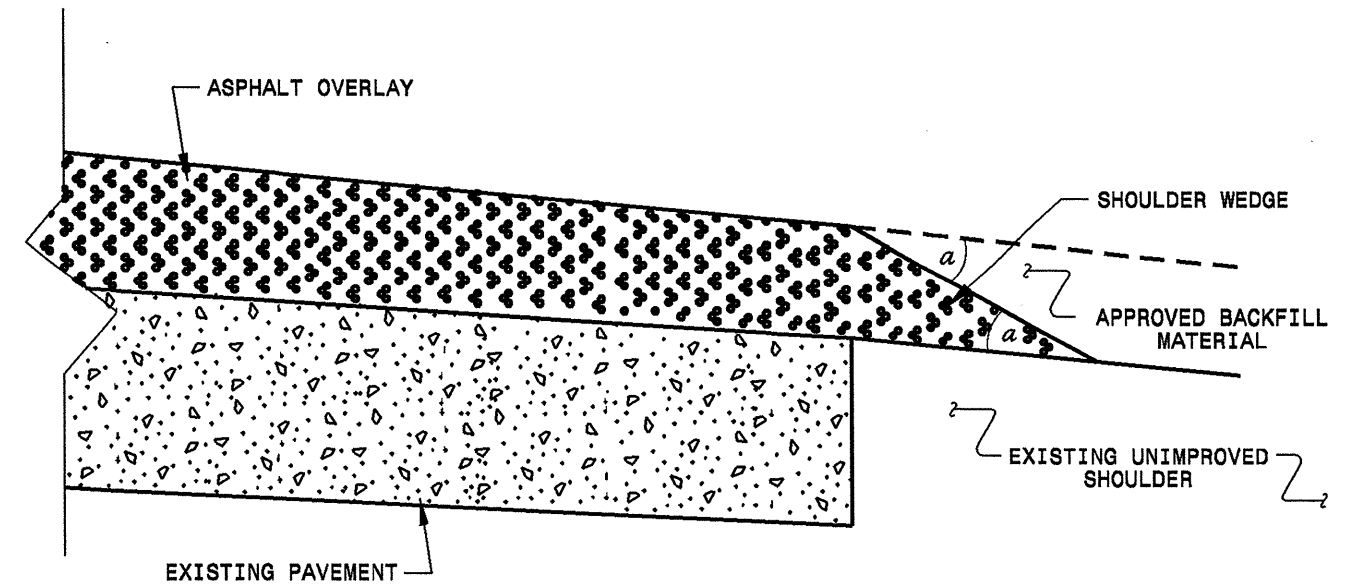
2013/2014 MECKLENBURG COUNTY RESURFACING

SCALE	-NA-		REVISIONS
DATE	2/13		
DWG. BY	PAG		
DESIGN BY	JHW		
APPROVED	BDC		

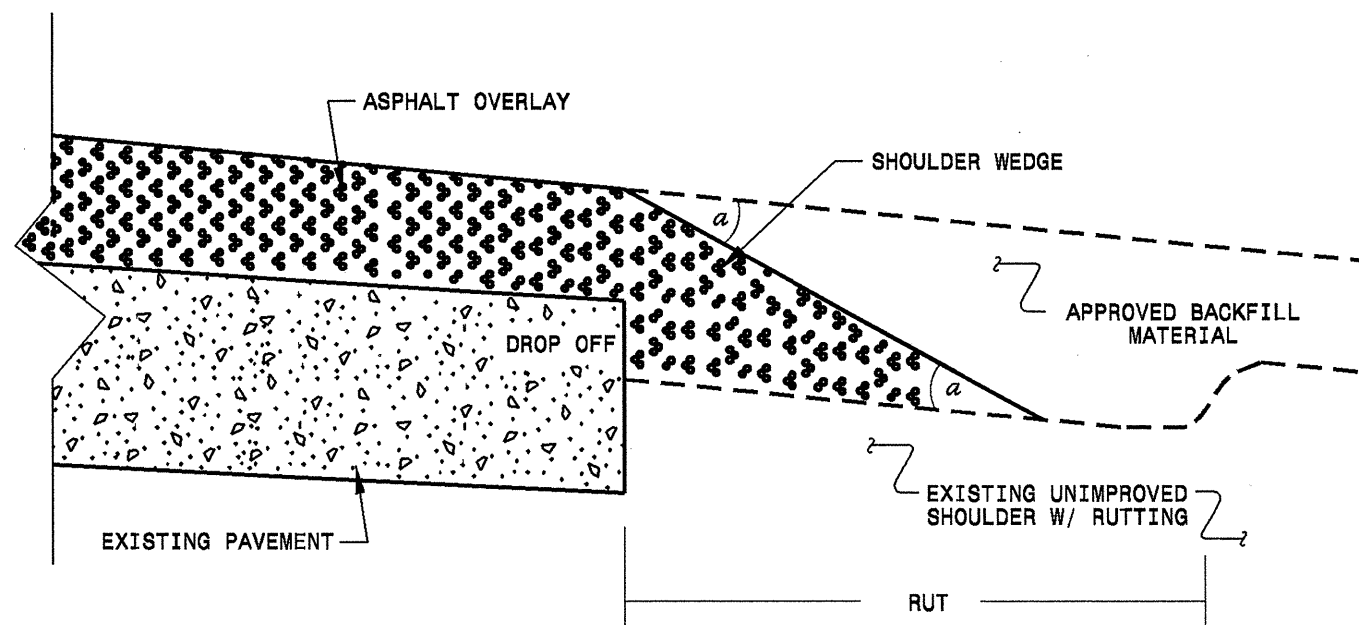
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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: 10/18/12		
CHECKED BY:	DATE:		
FILE SPEC: s:\usr\details\stand\shoulderwedge\detail.dgn			

 SYSTEMS

PROJECT NO.	SHEET NO.	TOTAL NO.
10CR.10601.79, ETC.	22	

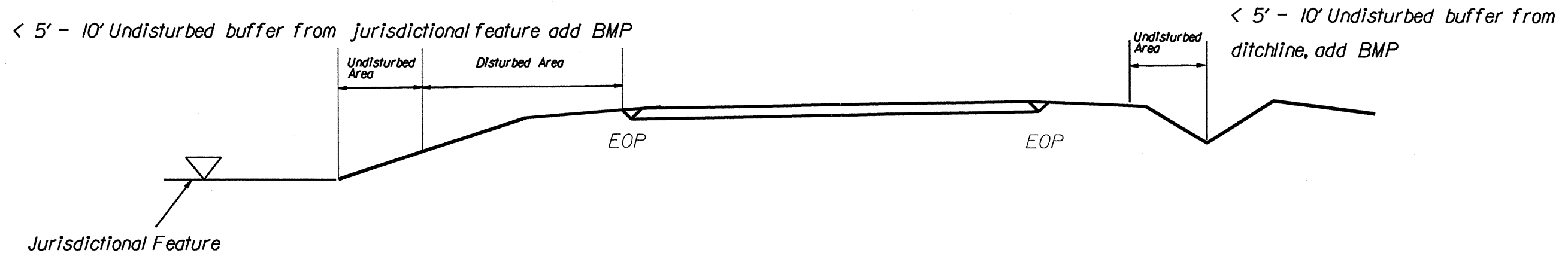
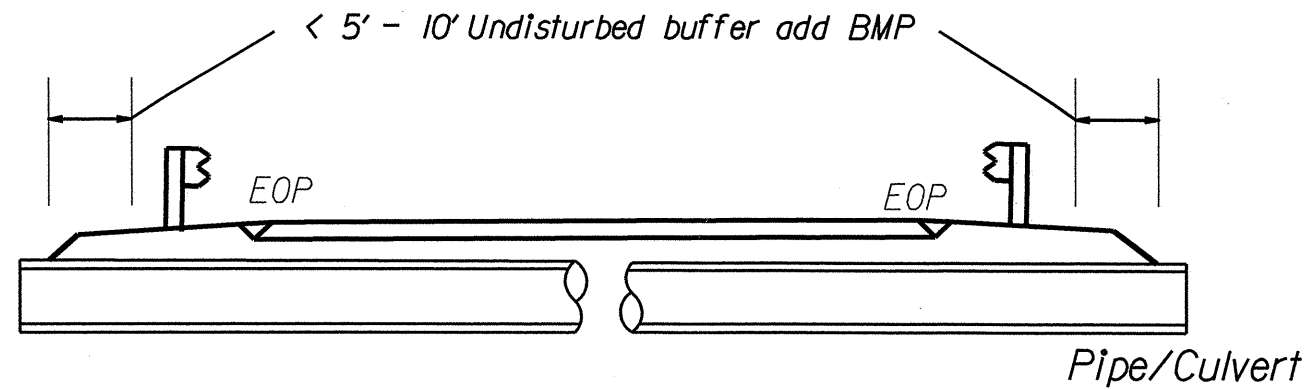
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BORROW	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	1 1/2" MILLING	0" TO 1.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, \$9.5C	LEVELING COURSE, \$9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	AST MAT COAT #6M	RETROFIT EXIST. CURB RAMP (STD. 848.06)	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	PORTABLE LIGHTING	TEMP. SILT FENCE	STONE FOR EROSION CONTROL, CLASS B	SEDIMENT CONTROL STONE	WATTLE	POLYACRYL AMIDE (PAM)	LAW ENFORCEMENT	
																																	MI
10CR.20601.160	Mecklenburg	1	LEBANNON RD (SR-3135)	FROM NC 51 TO MARGARET WALLACE RD (SR-3156)	1, 4	2		NO	NO	2.25	20	323	60	4.40		606	1,578	2,455	1,761	259	470			2	4			338	45	22	68	1	4
			TOTAL FOR MAP NO. 1							2.25		323	60	4.40		606	1,578	2,455	1,761	259	470			2	4			338	45	22	68	1	4
			TOTAL FOR PROJ NO. 10CR.20601.160							2.25		323	60	4.40		606	1,578	2,455	1,761	259	470			2	4			338	45	22	68	1	4
10CR.20601.161	Mecklenburg	2	ROBINSON CH. RD (SR-2822)	HARRISBURG RD (SR-2805) TO HOOD RD (SR-2826)	1, 4, 5	2		NO	NO	1.359	20	196	30	2.66	400	222	517	1,483	440	116	363			1				204	28	14	41	1	3
			TOTAL FOR MAP NO. 2							1.359		196	30	2.66	400	222	517	1,483	440	116	363			1				204	28	14	41	1	3
			TOTAL FOR PROJ NO. 10CR.20601.161							1.359		196	30	2.66	400	222	517	1,483	440	116	363			1				204	28	14	41	1	3
10CR.20601.162	Mecklenburg	3	LAWYERS RD (UPPER) (SR-3128)	ALBEMARLE RD (NC 24-29) TO PAVEMENT JOINT	1, 2, 4, 6	2		NO	NO	1.477	40	193		2.62		6,084	662	1,611	1,100	167	616		14	16	7	0.06	222	30	15	44	1	4	
			TOTAL FOR MAP NO. 3							1.477		193		2.62		6,084	662	1,611	1,100	167	616		14	16	7	0.06	222	30	15	44	1	4	
			TOTAL FOR PROJ NO. 10CR.20601.162							1.477		193		2.62		6,084	662	1,611	1,100	167	616		14	16	7	0.06	222	30	15	44	1	4	
10CR.20601.163	Mecklenburg	4	LAWYERS RD (LOWER) (SR-3128)	PVMT JT. EAST OF LEBANNON RD TO NC 51	1, 2, 3, 4	2		NO	NO	1.9	24	270	70	3.67		1,542	1,223	2,073	660	165	253		4	4	6	0.06	285	38	19	57	1	3	
			TOTAL FOR MAP NO. 4							1.9		270	70	3.67		1,542	1,223	2,073	660	165	253		4	4	6	0.06	285	38	19	57	1	3	
			TOTAL FOR PROJ NO. 10CR.20601.163							1.9		270	70	3.67		1,542	1,223	2,073	660	165	253		4	4	6	0.06	285	38	19	57	1	3	
10CR.20601.166	Mecklenburg	5	BALLANTYNE COMM PKY (SR-4979)	NC 16 TO I-485	1, 2, 4	2		NO	NO	1.493	48	168		2.28		10,283	1,445	1,629	660	139	770		18	12	16	0.06	224	30	15	45	1	4	
			TOTAL FOR MAP NO. 5							1.493		168		2.28		10,283	1,445	1,629	660	139	770		18	12	16	0.06	224	30	15	45	1	4	
			TOTAL FOR PROJ NO. 10CR.20601.166							1.493		168		2.28		10,283	1,445	1,629	660	139	770		18	12	16	0.06	224	30	15	45	1	4	
10CR.20601.167	Mecklenburg	6	NATIONS FORD RD (SR-1126)	.02 MI N. OF DOWN RD. TO .015 MI S. OF SUGAR CREEK	1, 2, 3	2		NO	NO	0.75	27	55		0.75		3,167	478	818	550	84	396						113	15	8	23	1	2	
			TOTAL FOR MAP NO. 6							0.75		55		0.75		3,167	478	818	550	84	396						113	15	8	23	1	2	
			TOTAL FOR PROJ NO. 10CR.20601.167							0.75		55		0.75		3,167	478	818	550	84	396						113	15	8	23	1	2	
10CR.20601.168	Mecklenburg	7	MCKEE RD (SR-3440)	PVMT JOINT TO TILLEY MORRIS RD (SR-3445)	1, 4	2		NO	NO	0.686	20	103	10	1.40		375	278	748	330	66	275		3	1	0.06	103	14	7	21	1	2		
			TOTAL FOR MAP NO. 7							0.686		103	10	1.40		375	278	748	330	66	275		3	1	0.06	103	14	7	21	1	2		
			TOTAL FOR PROJ NO. 10CR.20601.168							0.686		103	10	1.40		375	278	748	330	66	275		3	1	0.06	103	14	7	21	1	2		
10CR.20601.169	Mecklenburg	8	WEDDINGTON RD (SR-3468)	MCKEE RD (SR-3440) TO PVMT JOINT	1, 2, 4	2		NO	NO	0.656	24		5		2,351	534	858	330	72	137		8	1	4	0.06	99	14	7	20	1	2		
			TOTAL FOR MAP NO. 8							0.656			5		2,351	534	858	330	72	137		8	1	4	0.06	99	14	7	20	1	2		
			TOTAL FOR PROJ NO. 10CR.20601.169							0.656			5		2,351	534	858	330	72	137		8	1	4	0.06	99	14	7	20	1	2		
10CR.20601.170	Mecklenburg	9	PLEASANT PLAINS RD (SR 3448)	I-485 TO PVMT JOINT	1, 2, 3, 4	2		NO	NO	0.422	28	62		0.84		1,978	206	643	165	49	110		1	1			64	9	5	13	1	2	
			TOTAL FOR MAP NO. 9							0.422		62		0.84		1,978	206	643	165	49	110		1	1			64	9	5	13	1	2	
			TOTAL FOR PROJ NO. 10CR.20601.170							0.422		62		0.84		1,978	206	643	165	49	110		1	1			64	9	5	13	1	2	
10CR.10601.79	Mecklenburg	11	US 74 (INDEPENDENCE BLVD) [WB]	UNION CO. LN TO MATTHEWS-MINT HILL RD	7, 8, 10, 12	2		NO	NO	1.44	55	213		2.90		6,545	267	4,303	1,100	325	660				0.06	216	29	15	44	1	4		
			TOTAL FOR MAP NO. 11							1.44		213		2.90		6,545	267	4,303	1,100	325	660				0.06	216	29	15	44	1	4		
			TOTAL FOR PROJ NO. 10CR.10601.79							1.44		213		2.90		6,545	267	4,303	1,100	325	660				0.06	216	29	15	44	1	4		
10CR.10601.80	Mecklenburg	12	US 74 (INDEPENDENCE BLVD) [EB]	MATTHEWS-MINT HILL RD TO UNION CO. LN	7, 8, 10, 12	2		NO	NO	1.42	40	209		2.85		3,000	667	3,089	1,100	254	660		1		0.06	213	29	15	43	1	4		
			TOTAL FOR MAP NO. 12							1.42		209		2.85		3,000	667	3,089	1,100	254	660		1		0.06	213	29	15	43	1	4		
			TOTAL FOR PROJ NO. 10CR.10601.80							1.42		209		2.85		3,000	667	3,089	1,100	254	660		1		0.06	213	29	15	43	1	4		
10CR.10601.81	Mecklenburg	13	NC 24 (HARRIS BLVD (SB) (UPPER))	HWY 29 (NORTH TRYON ST) TO OLD CONCORD RD (SR-2939)	9, 10, 11	2		NO	NO	1.7	35	257		3.50		1,087	612	3,237	550	227	671			4	0.06	255	34	17	51	1	4		
			TOTAL FOR MAP NO. 13							1.7		257		3.50		1,087	612	3,237	550	227	671			4	0.06	255	34	17	51	1	4		
			TOTAL FOR PROJ NO. 10CR.10601.81							1.7		257		3.50		1,087	612	3,237	550	227	671			4	0.06	255	34	17	51	1	4		
10CR.10601.82	Mecklenburg	14	NC 24 (HARRIS BLVD (SB) (LOWER))	GRIER ROAD (SR-2976) TO PLAZA RD (SR-2935)	9, 10, 11	2		NO	NO	0.58	35	88		1.20		3,584	167	947	220	70	286				0.06	87	12	6	18	1	4		
			TOTAL FOR MAP NO. 14							0.58		88		1.20		3,584	167	947	220	70	286				0.06	87	12	6	18	1	4		
			TOTAL FOR PROJ NO. 10CR.10601.82							0.58		88		1.20		3,584	167	947	220	70	286				0.06	87	12	6	18	1	4		
10CR.10601.83	Mecklenburg	15	NC 51 (MATTHEWS-TOWNSHIP PKWY)	OFF-RAMP FROM W 74 TO NC 51	1	2		NO	NO	0.363	22	54		0.73		70	435	110	33	110				0.06	55	8	4	11	1	3			
			TOTAL FOR MAP NO. 15							0.363		54		0.73		70	435	110	33	110				0.06	55	8	4	11	1	3			
			TOTAL FOR PROJ NO. 10CR.10601.83							0.363		54		0.73		70	435	110	33	110				0.06	55	8	4	11	1	3			
10CR.10601.84	Mecklenburg	16	NC 51 (MATTHEWS-TOWNSHIP PKWY)	NC 51 TO W 74	1	2		NO	NO	0.261	27	39		0.52		56	384	110	30	110				0.06	40	6	3	8	1	3			
			TOTAL FOR MAP NO. 16							0.261		39		0.52		56	384	110	30	110				0.06	40	6	3	8	1	3			
			TOTAL FOR PROJ NO. 10CR.10601.																														

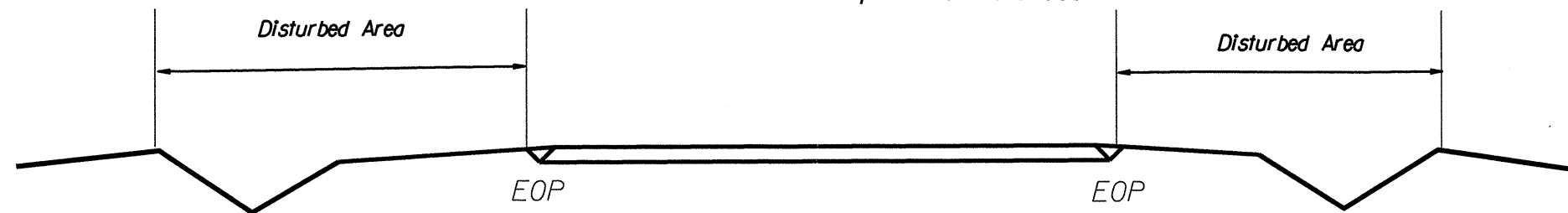
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

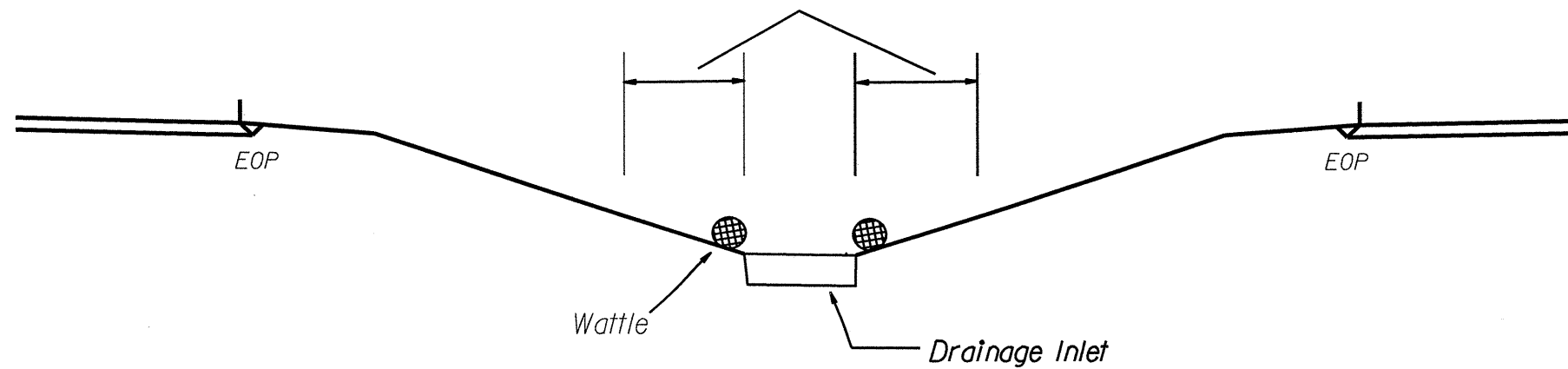
EROSION CONTROL DETAIL



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

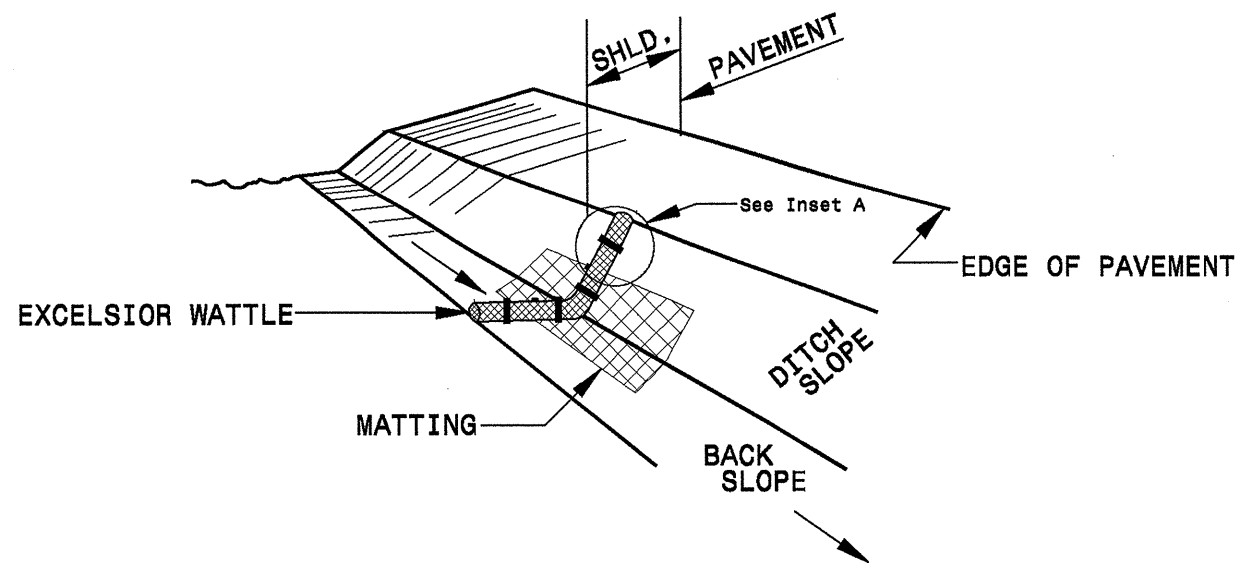


< 5' - 10' Undisturbed buffer from inlet, add wattle

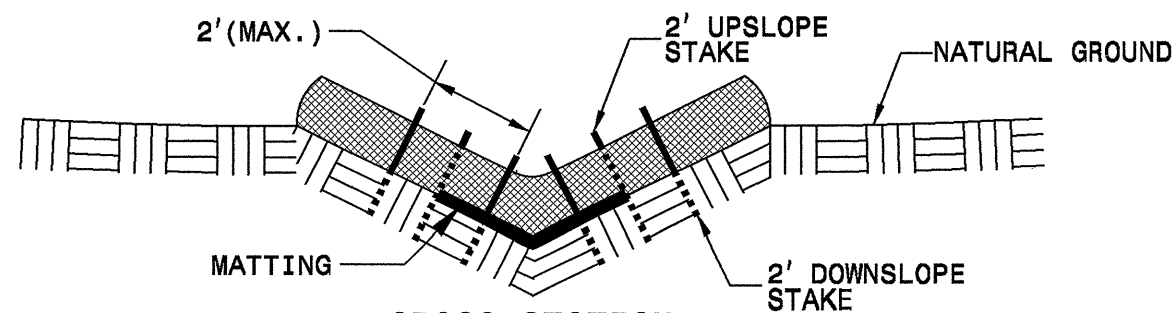


NOT TO SCALE

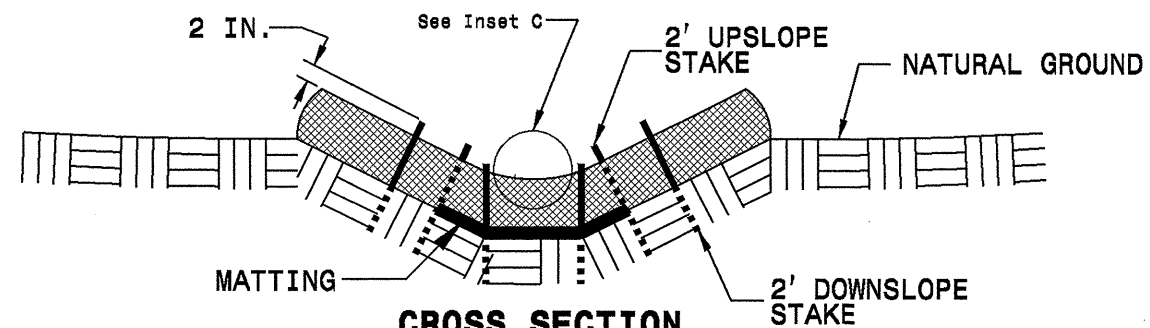
WATTLE WITH POLYACRYLAMIDE DETAIL



ISOMETRIC VIEW



**CROSS SECTION
VEE DITCH**



**CROSS SECTION
TRAPEZOIDAL DITCH**

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

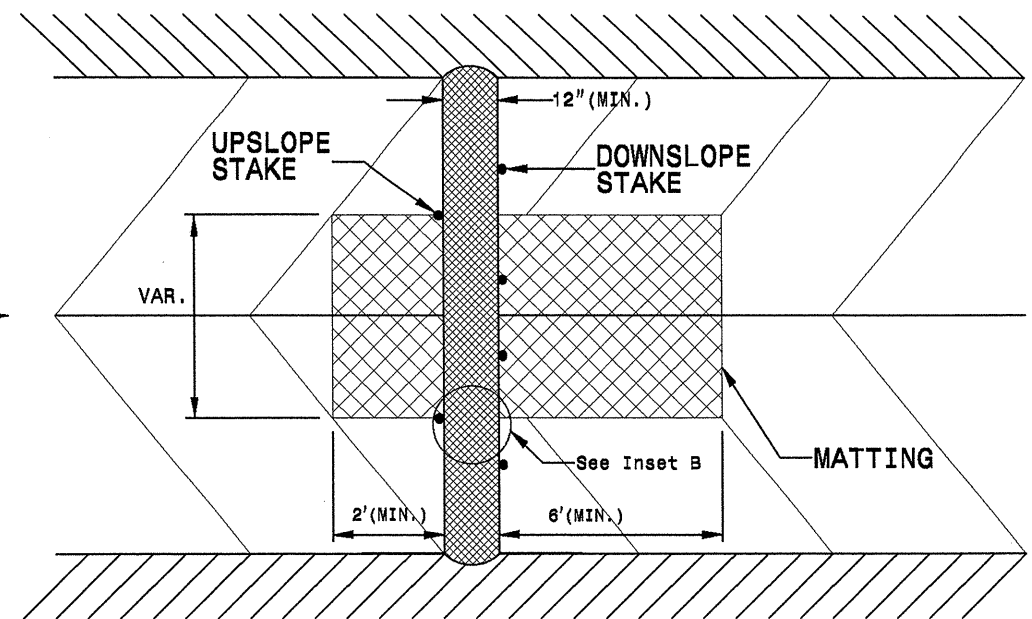
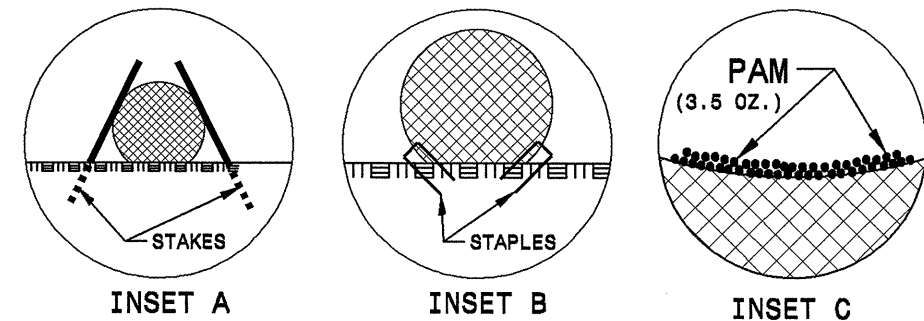
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



TOP VIEW