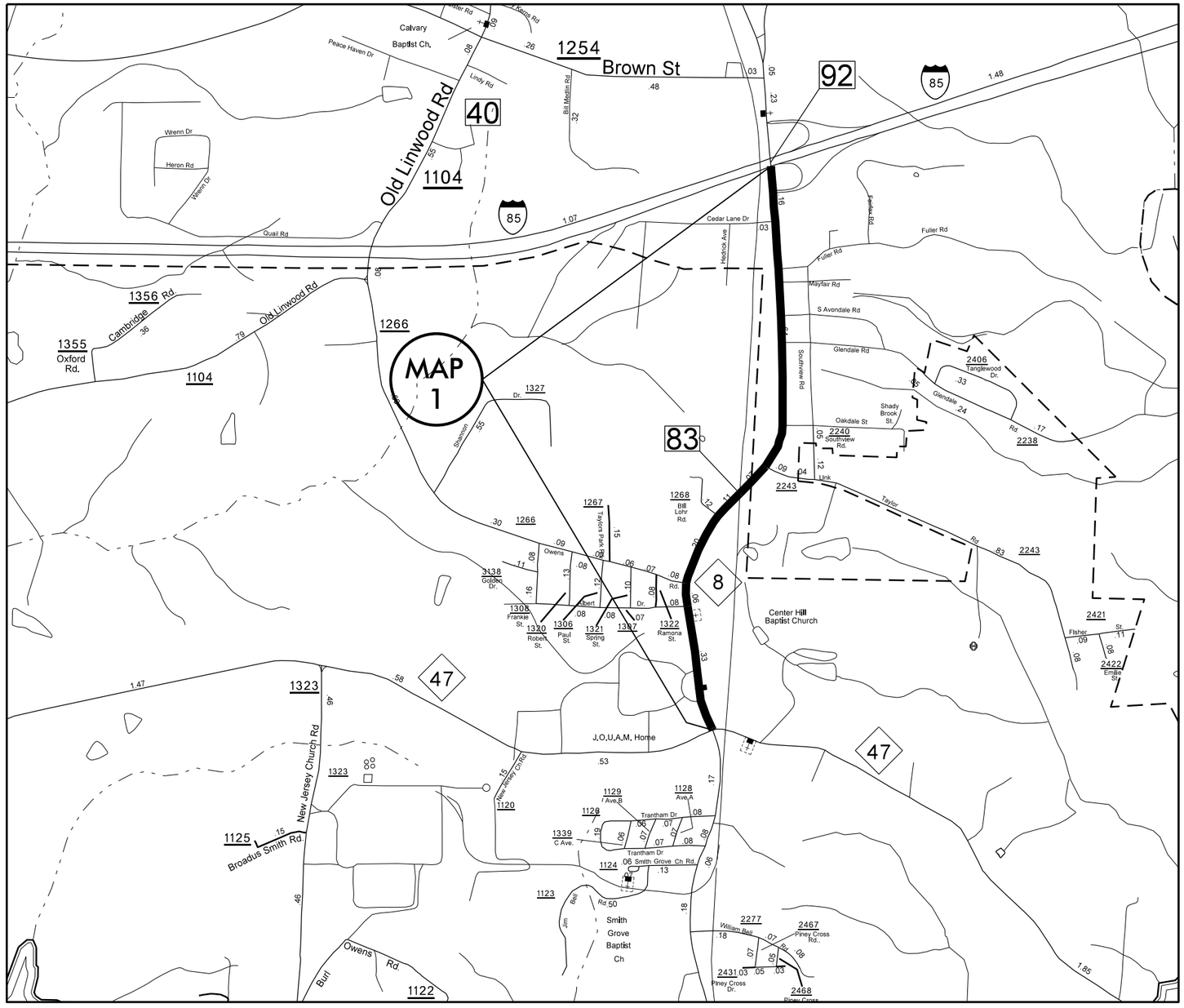
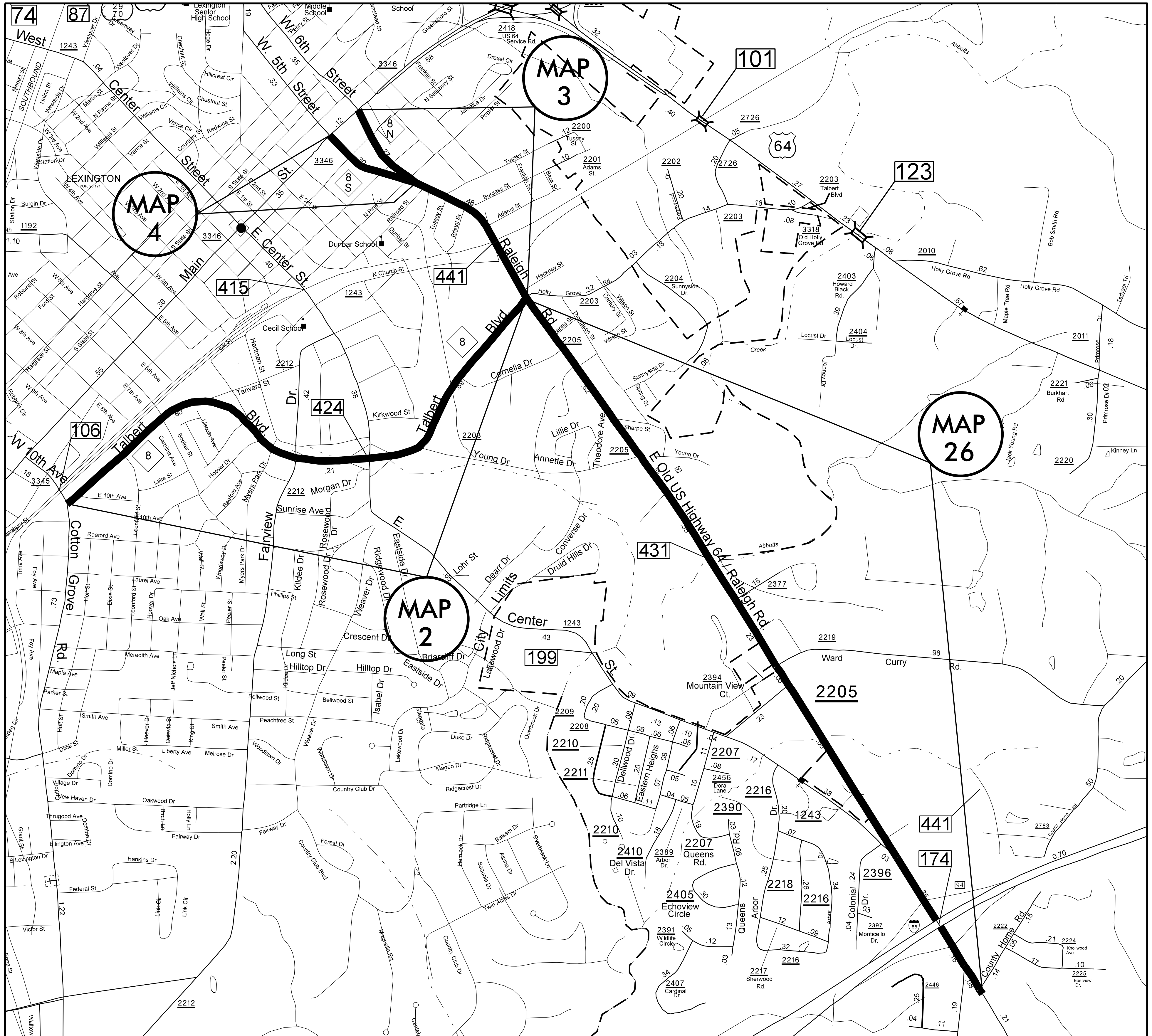
PROJECT REFERENCE NO.	SHEET NO.
2018CPT.09.01.10291 2018CPT.09.02.20291 2018CPT.08.06.20761	1



MAP 1
NC 8
Mill 1½" depth.
Pave back with 1½" S9.5C
ALL WORK ON THIS MAP TO BE NIGHT TIME ONLY 7 P.M. TO 6 A.M., Monday–Sunday.

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2018CPT.09.01.10291 2018CPT.09.02.20291 2018CPT.08.06.20761	2



MAP 2
NC 8
Mill 1½" depth.
Pave back with 1½" S9.5C
ALL WORK ON THIS MAP TO BE
NIGHT TIME ONLY 7 P.M. TO 6 A.M.,
Monday–Sunday.

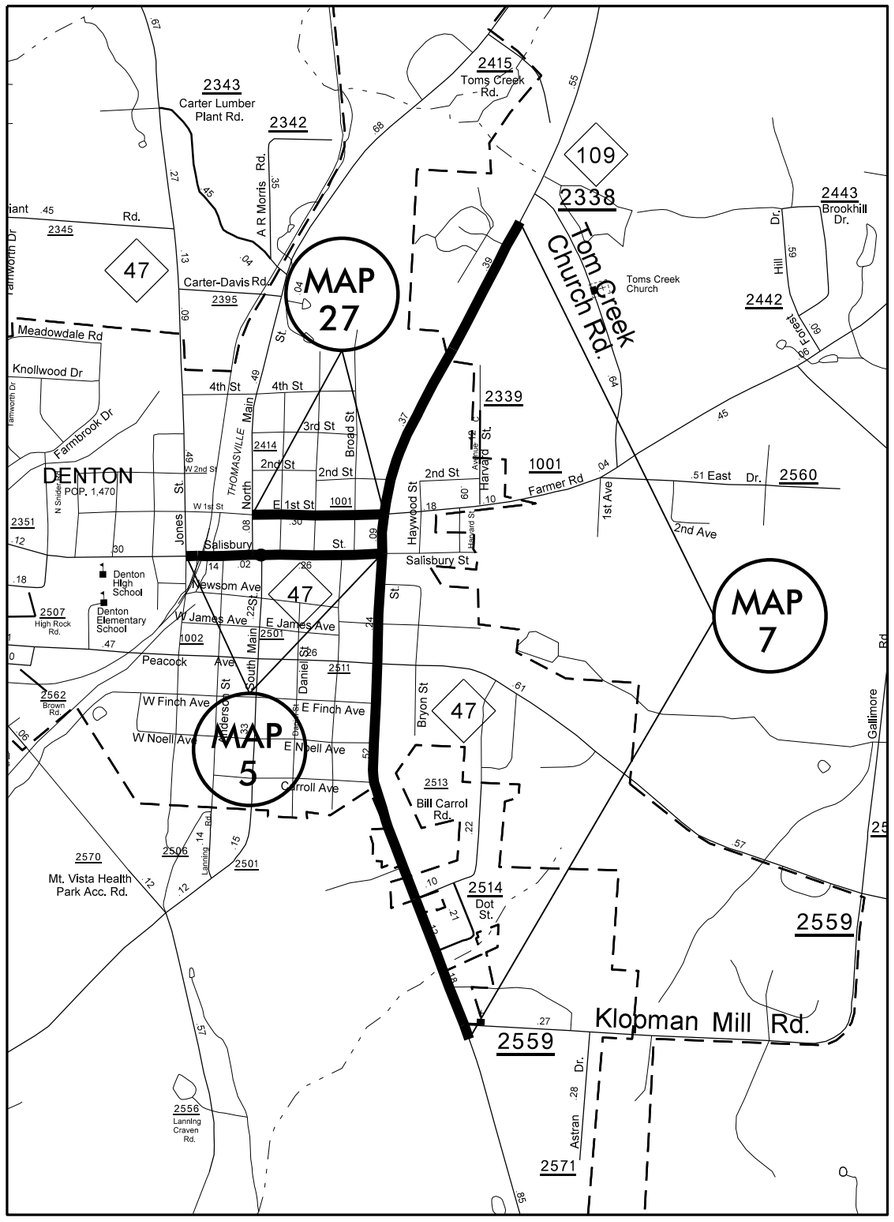
MAP 3
NC 8
Mill 1½" depth.
Pave back with 1½" S9.5C
ALL WORK ON THIS MAP TO BE
NIGHT TIME ONLY 7 P.M. TO 6 A.M.,
Monday–Sunday.

MAP 4
NC 8
Mill 1½" depth.
Pave back with 1½" S9.5C
ALL WORK ON THIS MAP TO BE
NIGHT TIME ONLY 7 P.M. TO 6 A.M.,
Monday–Sunday.

MAP 26
Old US Highway 64/Old Raleigh Rd.
SR 2205
Mill 1½" depth.
Pave back with 1½" S9.5C
ALL WORK ON THIS MAP TO BE
NIGHT TIME ONLY 7 P.M. TO 6 A.M.,
Monday–Sunday.

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2018CPT.09.01.10291 2018CPT.09.02.20291 2018CPT.08.06.20761	3



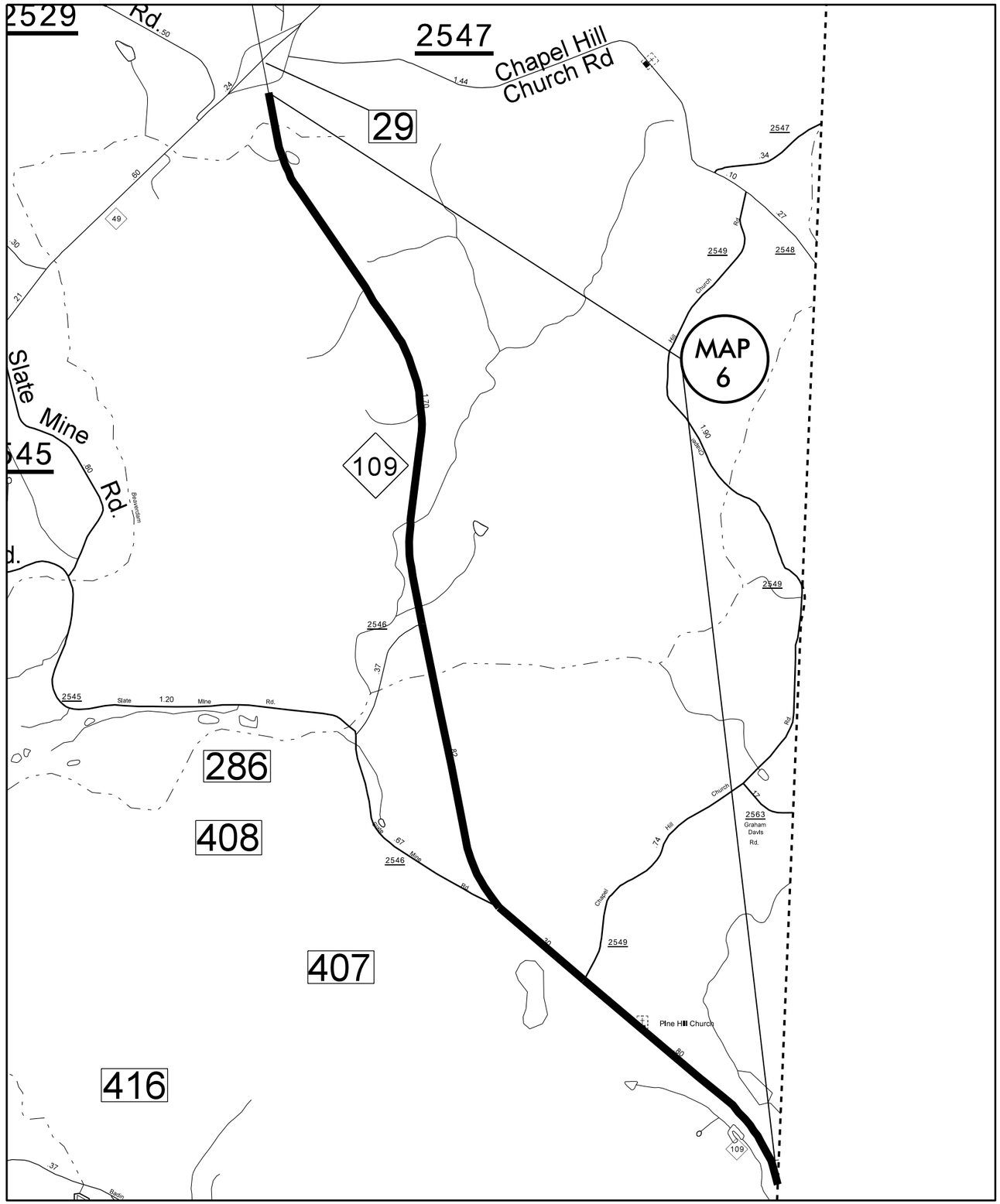
MAP 5
NC 47 /E. Salisbury St.
Mill 1½" depth.
Pave back with 1½" S9.5C
NO Lane Closures 7a.m.–9a.m.

MAP 7
NC 109
Mill 1½" depth.
Pave back with 1½" S9.5C
NO Lane Closures 7a.m.–9a.m.

MAP 27
E. 1st St. SR 1001
Mill 1½" depth.
Pave back with 1½" S9.5C
NO Lane Closures 7a.m.–9a.m.

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2018CPT.09.01.10291 2018CPT.09.02.20291 2018CPT.08.06.20761	4

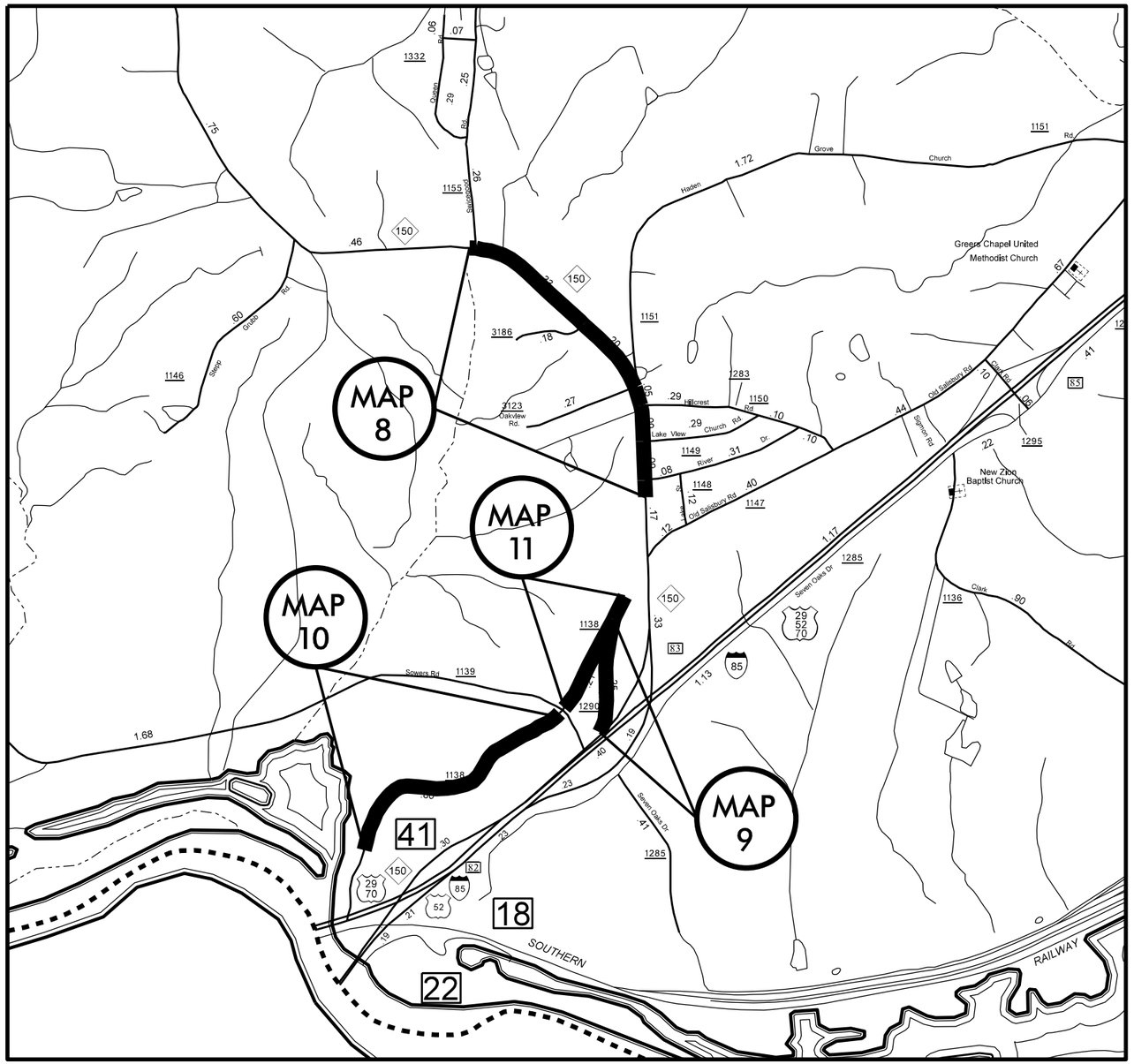


N

MAP 6
NC 109
Mill 1½" depth.
Pave back with 1½" S9.5C
NO Lane Closures 7a.m.–9a.m.

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2018CPT.09.01.10291 2018CPT.09.02.20291 2018CPT.08.06.20761	5



N

MAP 8
NC 150
Mill 1½" depth.
Pave back with 2" S9.5C
NO Lane Closures 7a.m.–9a.m.

MAP 9
Hilltop Dr. SR 1290
NO MILLING.
Pave 1½" S9.5B
NO Lane Closures 7a.m.–9a.m.

MAP 10
Trading Ford Way SR 1138
Sowers Rd to Boat Access.
NO MILLING.
DO NOT PAVE THROUGH INTERSECTION
at Sowers Rd.
Pave 1½" S9.5B
NO Lane Closures 7a.m.–9a.m.

MAP 11
Trading Ford Way SR 1138
Sowers Rd to Dead End.
NO MILLING.
DO NOT PAVE THROUGH INTERSECTION
at Sowers Rd.
Pave 1½" S9.5B
NO Lane Closures 7a.m.–9a.m.

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
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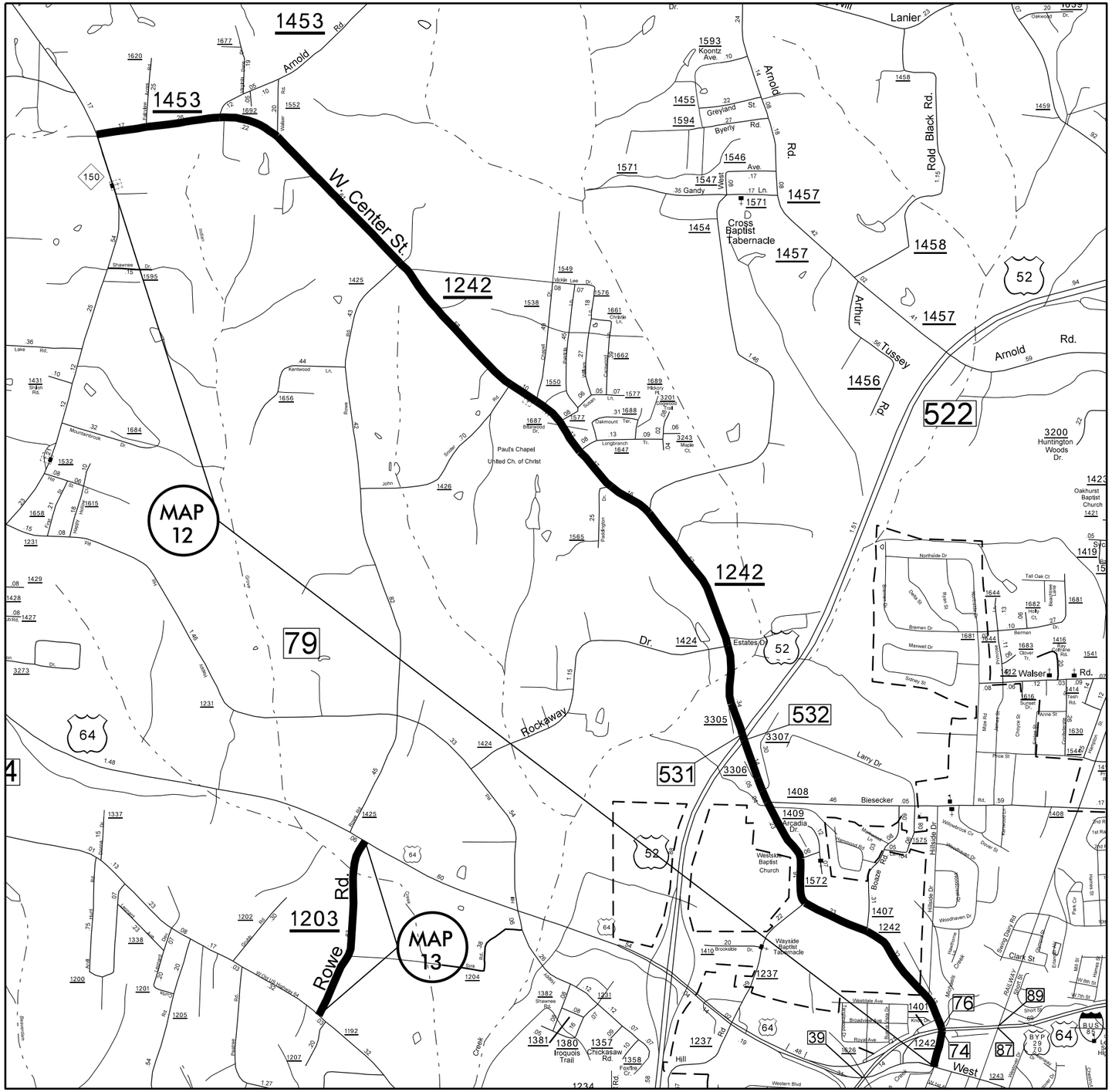
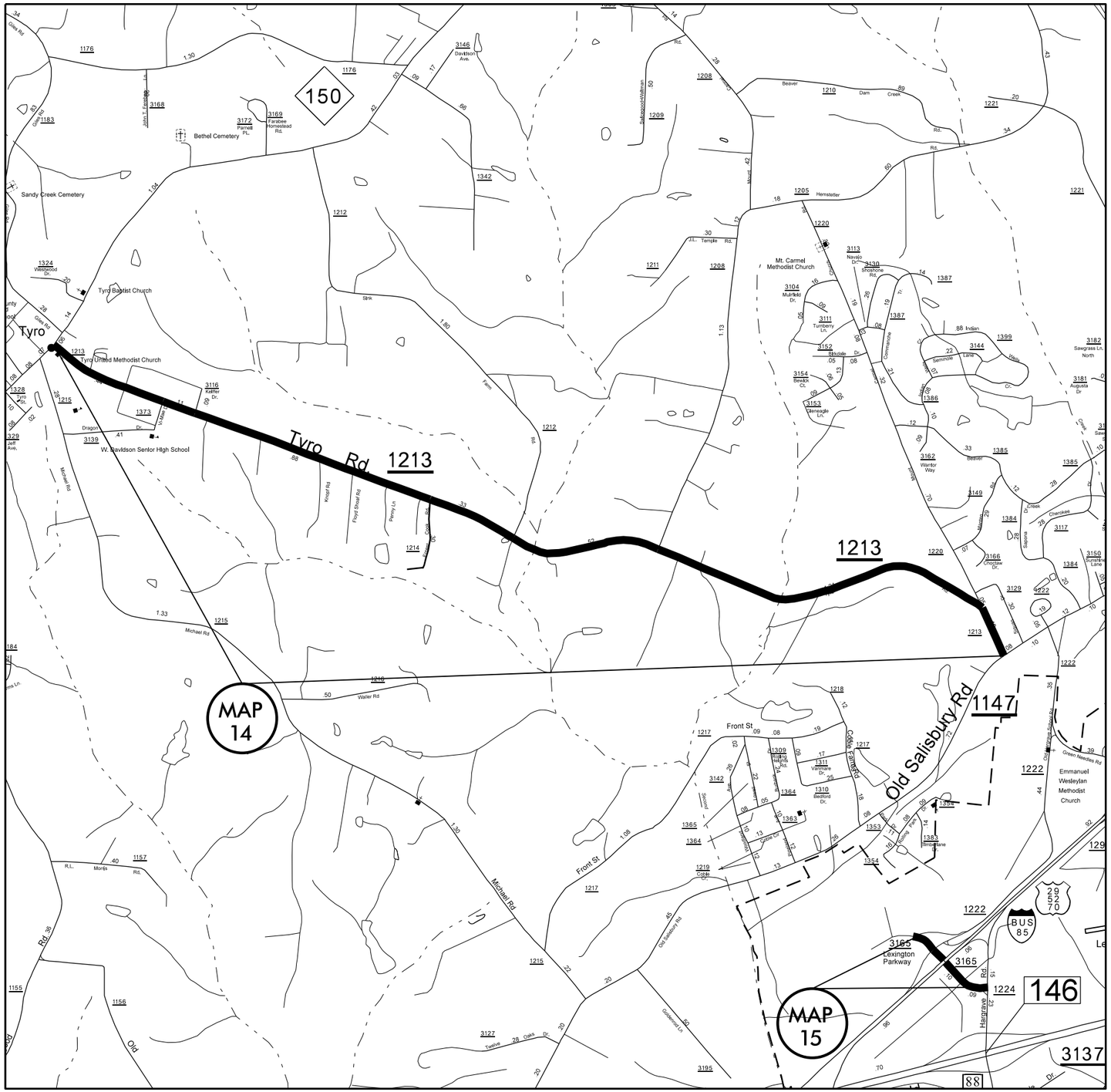


MAP 12
W. Center St. SR 1242
Incidental Mill Map ends.
Curb Mill 0–1½" 12' width
near US29/US70/BUS 85.
Pave back with 1½" S9.5C
NO Lane Closures 7a.m.–9a.m.

MAP 13
Rowe Rd. SR 1203
NO MILLING.
Pave with 1½" S9.5B
NO Lane Closures 7a.m.–9a.m.

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2018CPT.09.01.10291 2018CPT.09.02.20291 2018CPT.08.06.20761	7

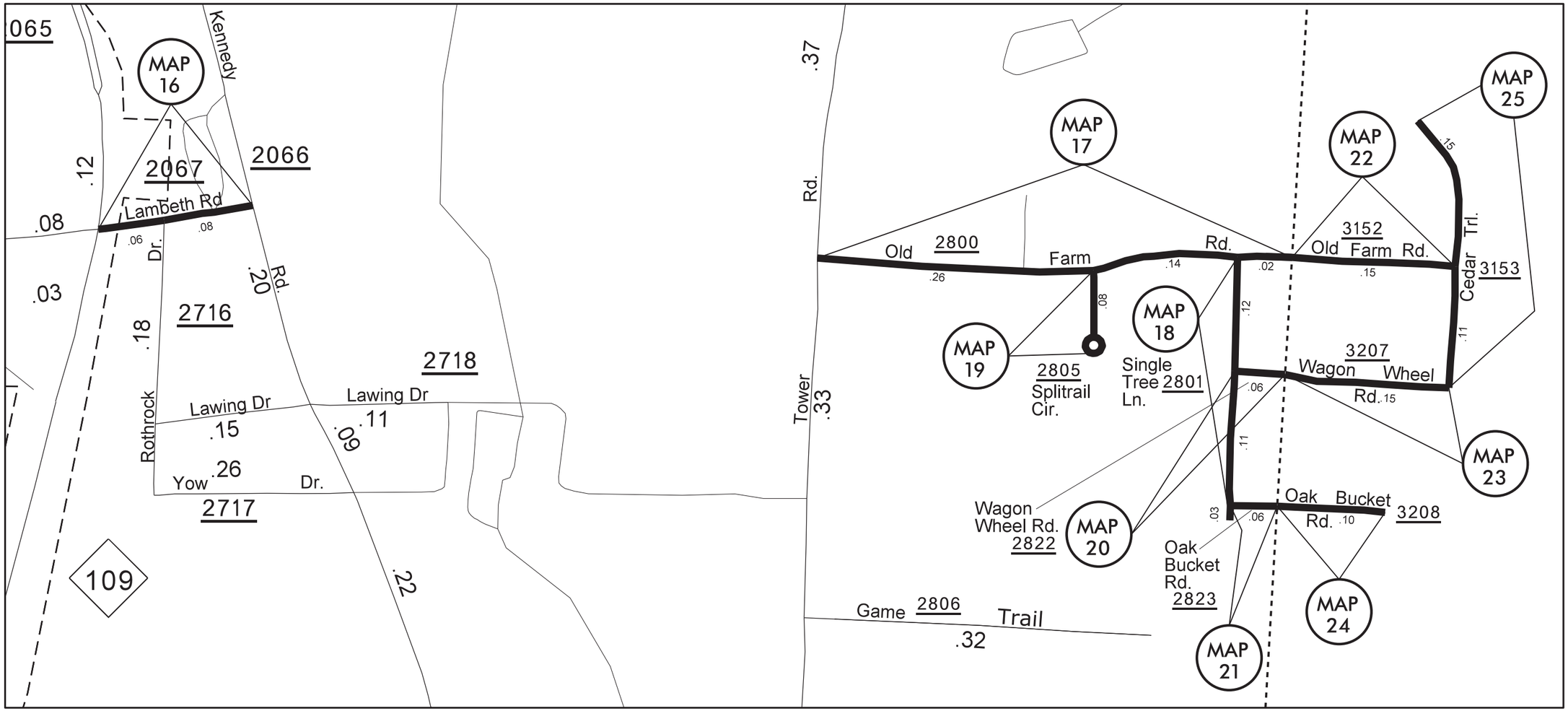


MAP 14
Tyro Rd. SR 1213
Incidental Mill Map ends.
Pave with 1½" S9.5C
NO Lane Closures 7a.m.–9a.m.

MAP 15
Hargrave Ln. SR 3165
Mill 1½" Depth
Pave Back with 1½" S9.5C
Mill and Pave Ramps to Pvmt. jts.
NO Lane Closures 7a.m.–9a.m.

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2018CPT.09.01.10291, 2018CPT.09.02.20291 2018CPT.08.06.20761	8



MAP 16
Lambeth Rd. SR 2067
Curb Mill around island.
Tie In Mill Map ends.
Pave with 1½" S9.5C

ALL MAPS–NO Lane Closures 7a.m.–9a.m.
NO Shoulder Work

MAP 17 Davidson County
Old Farm Rd. SR 2800
NO MILLING Pave with 1½" S9.5B

MAP 18 Davidson County
Single Tree Lane SR 2801
NO MILLING Pave with 1½" S9.5B

MAP 19 Davidson County
Splitrail Cir. SR 2805
NO MILLING Pave with 1½" S9.5B

MAP 20 Davidson County
Wagon Wheel Rd. SR 2822
NO MILLING Pave with 1½" S9.5B

MAP 21 Davidson County
Oak Bucket Rd. SR 2823
NO MILLING Pave with 1½" S9.5B

MAP 22 Randolph County
Old Farm Rd. SR 3152
NO MILLING Pave with 1½" S9.5B

MAP 25 Randolph County
Cedar Trail SR 3153
NO MILLING Pave with 1½" S9.5B

MAP 23 Randolph County
Wagon Wheel Rd. SR 3207
NO MILLING Pave with 1½" S9.5B

MAP 24 Randolph
Oak Bucket Rd. SR 3208
NO MILLING Pave with 1½" S9.5B

DAVIDSON COUNTY
RANDOLPH COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
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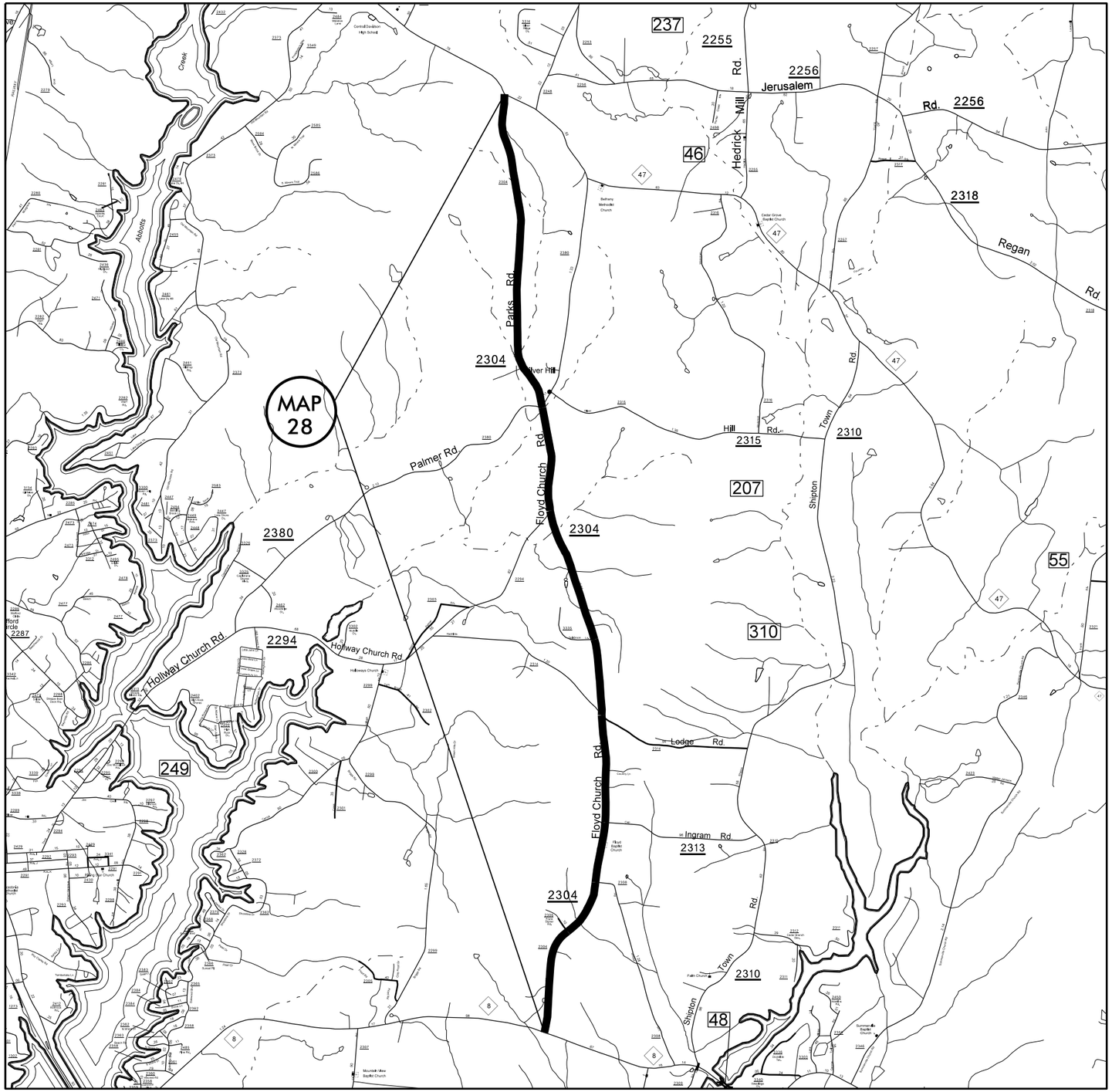


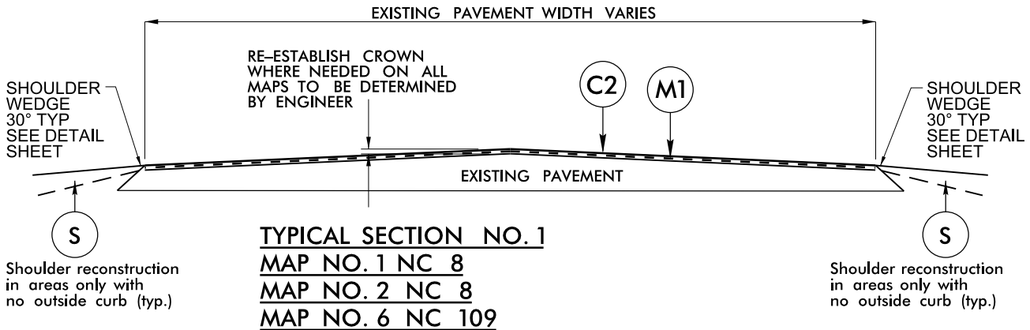
N

MAP 28

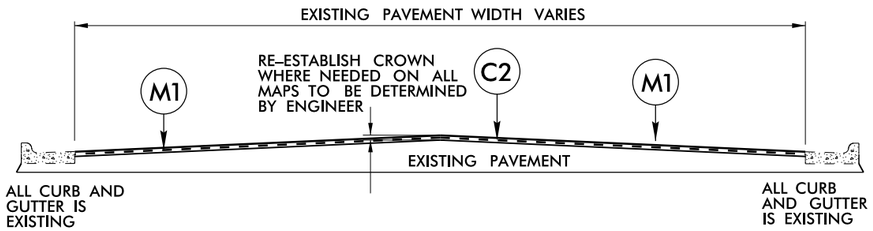
Floyd Church Rd. SR 2304
Pave back with 2" S9.5C in middle and 1½" S9.5C at edge of Roadway. NO Milling.
NO Lane Closures 7a.m.–9a.m.

DAVIDSON COUNTY
NORTH CAROLINA

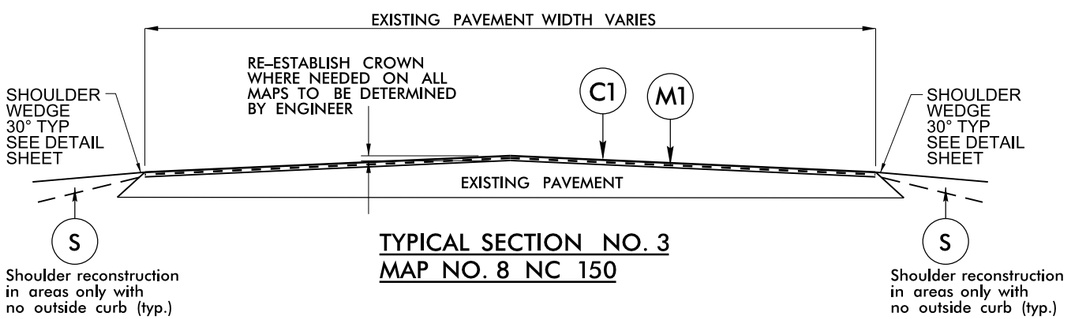
PROJECT REFERENCE NO.	SHEET NO.
2018CPT.09.01.10291, 2018CPT.09.02.20291 2018CPT.08.06.20761	10



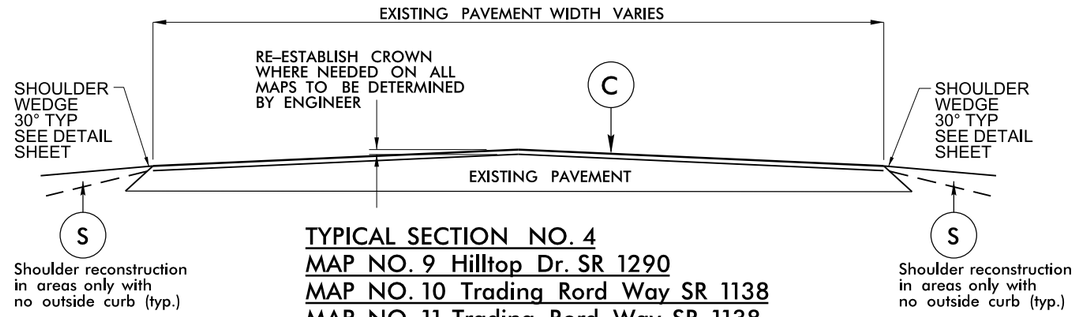
TYPICAL SECTION NO. 1
MAP NO. 1 NC 8
MAP NO. 2 NC 8
MAP NO. 6 NC 109
MAP NO. 7 NC 109/NC 47
MAP NO. 15 Hargrave Ln. SR 3165
MAP NO. 26 Old US 64 / Raleigh Rd. SR 2205



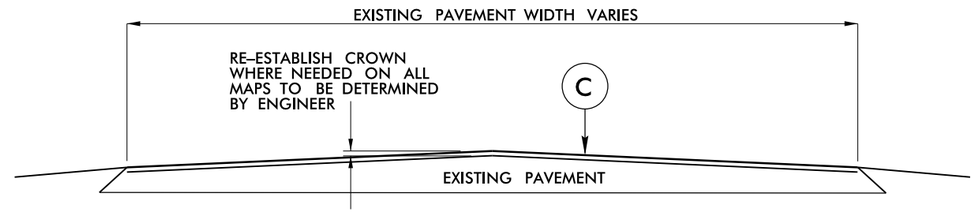
TYPICAL SECTION NO. 2
MAP NO. 1 NC 8
MAP NO. 2 NC 8
MAP NO. 3 NC 8
MAP NO. 4 NC 8
MAP NO. 5 NC 47 Salisbury St.
MAP NO. 7 NC 109/NC 47
MAP NO. 15 Hargrave Ln. SR 3165
MAP NO. 26 Old US 64 / Raleigh Rd. 2205
MAP NO. 27 E. 1st. St. SR 1001



TYPICAL SECTION NO. 3
MAP NO. 8 NC 150



TYPICAL SECTION NO. 4
MAP NO. 9 Hilltop Dr. SR 1290
MAP NO. 10 Trading Rord Way SR 1138
MAP NO. 11 Trading Rord Way SR 1138
MAP NO. 13 Rowe Rd. SR 1203



TYPICAL SECTION NO. 4A
MAP NO. 17 Old Farm Rd. SR 2800
MAP NO. 18 Single Tree Ln. SR 2801
MAP NO. 19 Splitrail Cir. SR 2805
MAP NO. 20 Wagon Wheel Rd. SR 2822
MAP NO. 21 Oak Bucket Rd. SR 2823
MAP NO. 22 Old Farm Rd. SR 3152
MAP NO. 23 Wagon Wheel Rd. SR 3207
MAP NO. 24 Oak Bucket Rd. SR 3208
MAP NO. 25 Cedar Trail SR 3153

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 224 LBS PER SQ YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
C3	PROP.VAR.DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
M2	MILL ASPHALT PAVEMENT, 0" TO 1½"
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

PROJECT REFERENCE NO.	SHEET NO.
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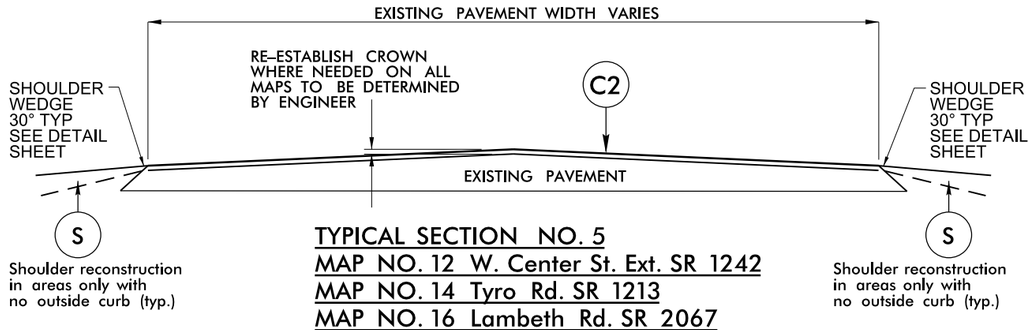
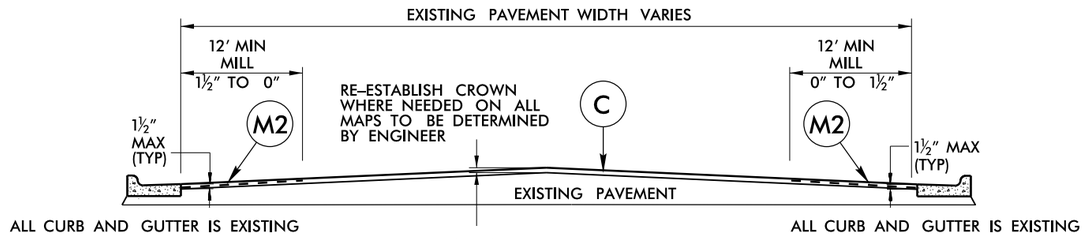
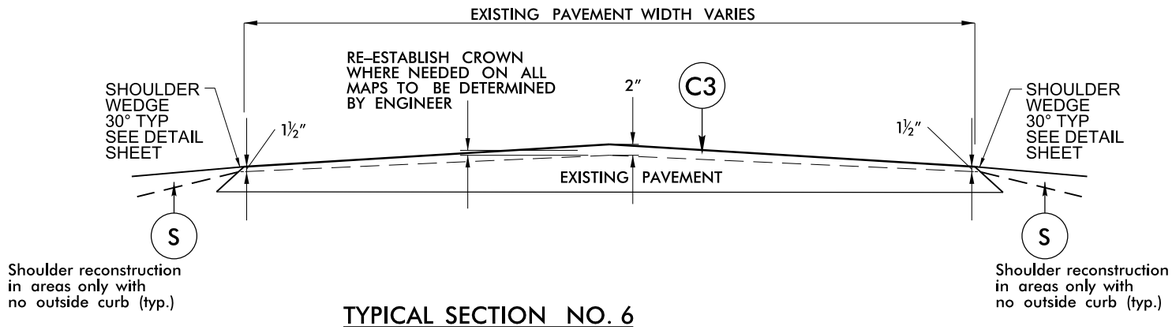


TYPICAL SECTION NO. 5
MAP NO. 12 W. Center St. Ext. SR 1242
MAP NO. 14 Tyro Rd. SR 1213
MAP NO. 16 Lambeth Rd. SR 2067



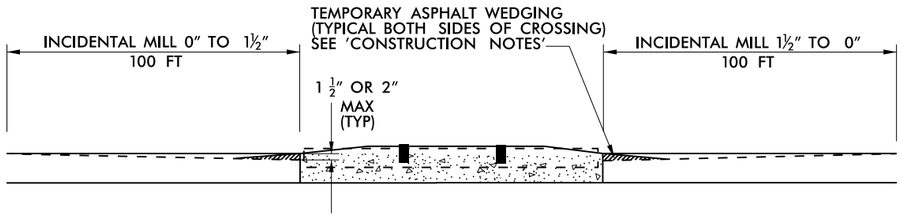
TYPICAL SECTION NO. 7
MAP NO. 12 W. Center St. Ext. SR 1242



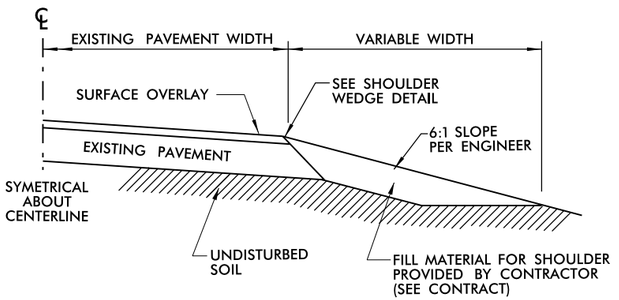
TYPICAL SECTION NO. 6
MAP NO. 28 FLOYD CHURCH RD. SR 2304/PARKS RD. SR 2304

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
C1	PROP. APPROX. 2″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 224 LBS PER SQ YD.
C2	PROP. APPROX. 1½″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD.
C3	PROP.VAR.DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1″ DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2″ IN DEPTH.
M1	MILL ASPHALT PAVEMENT, 1½″ DEPTH
M2	MILL ASPHALT PAVEMENT, 0″ TO 1½″
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

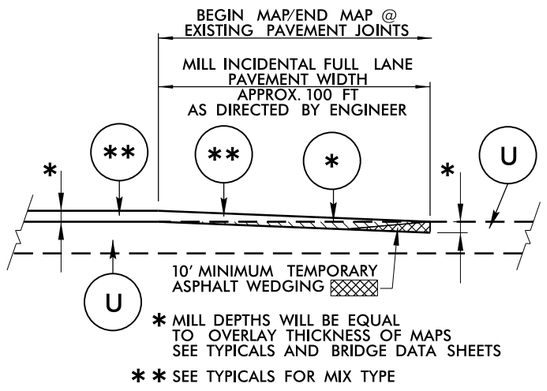
PROJECT REFERENCE NO.	SHEET NO.
2018CPT.09.01.10291, 2018CPT.09.02.20291 2018CPT.08.06.20761	12



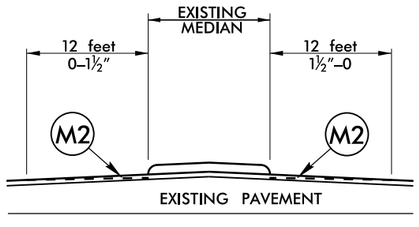
INCIDENTAL MILLING–RAILROAD CROSSING APPROACHES



SHOULDER RECONSTRUCTION



INCIDENTAL MILLING AT TIE–IN DETAIL



MILLING AT MEDIANS

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 224 LBS PER SQ YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ YD.
C3	PROP.VAR.DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
M2	MILL ASPHALT PAVEMENT, 0" TO 1½"
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

PROJECT REFERENCE NO.	SHEET NO.
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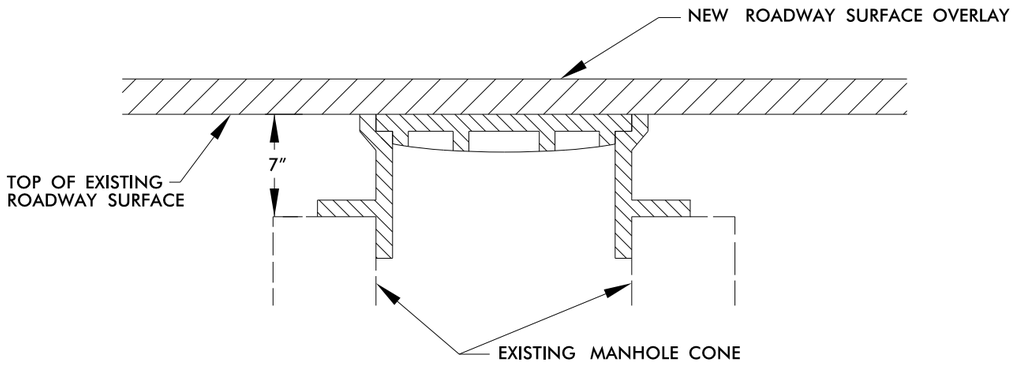
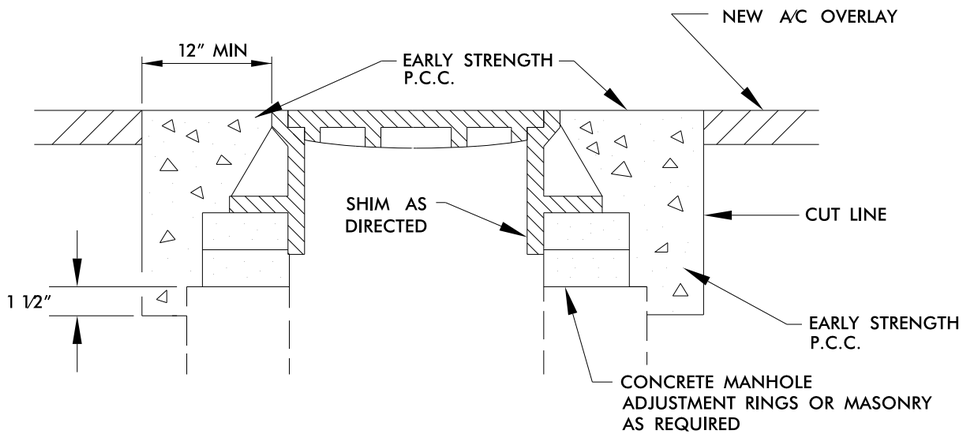


STEP 1



STEPS 2,3, & 4

STEP 1 COVER EXISTING MANHOLE WITH APPROVED MATERIAL AND CONSTRUCT OVERLAY ACROSS TOP OF MANHOLE

STEP 2 SAW CUT EXCAVATION AROUND MANHOLE 12" MIN. FROM MANHOLE FRAME.

STEP 3 RAISE MANHOLE FRAME RINGS TO FINISH PAVEMENT PROFILE AND CROSS SLOPE.

STEP 4 BACKFILL WITH EARLY STRENGTH P.C.C. TO DEPTHS AS DIRECTED.

MANHOLE ADJUSTMENT DETAIL

CONSTRUCTION NOTES:

1. ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".

2. CONSTRUCTION SHALL PROGRESS IN PHASES, IN THE ORDER INDICATED BELOW:

   PHASE 1 – MILLING AND PATCHING (WHEN REQUIRED)
   PHASE 2 – SURFACE OVERLAY
   PHASE 3 – SHOULDER DROP–OFF REPAIR (AS NEEDED AND DIRECTED BY ENGINEER)
   PHASE 4 – UTILITY ADJUSTMENTS (MANHOLE RING/COVER, VALVE/METER BOX RING/COVER, CATCH BASIN GRATE/COVER, DROP INLET GRATE/COVER, ETC.) WHEN REQUIRED.

3. BRIDGES THAT HAVE FLOOR DRAINS, SHALL HAVE ALL FLOOR DRAINS LEFT OPEN. EXTRA CARE SHALL BE EXERCISED IN MILLING (IF REQUIRED) AND IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE.

4. TEMPORARY ASPHALT WEDGING SHALL BE PLACED ON THE SAME DAY THAT BRIDGE AND/OR RAILROAD APPROACHES ARE MILLED (AND IF APPROACHES ARE MILLED PRIOR TO BRIDGE DECK).

5. FOR TWO–LANE ROADWAYS – IT SHALL BE UNDERSTOOD THAT TYPICALLY ON A ROADWAY MEASURING 20 FEET OR LESS IN WIDTH, THE CENTER OF THE WHITE EDGELINE SHALL BE LOCATED SIX INCHES FROM THE EDGE OF PAVEMENT ON EITHER SIDE OF THE ROADWAY; ON A ROADWAY MEASURING 22 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 10 FEET AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 24 FEET IN WIDTH, TRAVEL LANES SHALL MEASURE 11 FEET AND THE WHITE EDGELINE SHALL BE LOCATED ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE; ON A ROADWAY MEASURING 26 FEET OR MORE IN WIDTH, TRAVEL LANES SHALL MEASURE 12 FEET AND THE WHITE EDGELINE SHALL BE LOCATED NO LESS THAN ONE FOOT FROM THE EDGE OF PAVEMENT ON EITHER SIDE. THIS SHALL BE STANDARD PRACTICE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

6. PAPER JOINTS ARE TO BE PLACED BETWEEN DAYS OF PAVING OPERATIONS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION 610–11.

7. ALL MILLED AREAS WILL BE PAVED WITHIN 72 HOURS UNLESS APPROVED BY THE ENGINEER.

9. REPLACE ANY PORTION OF STOP BARS AND OTHER PAVEMENT MARKINGS AT ANY INTERSECTION INCLUDING Y–LINES NOT ACTUALLY BEING PAVED OVER, THAT ARE OBLITERATED BY THE PAVING OPERATION EITHER BY HAULING WHEEL TRACKS OR TACK TRUCK BY THE END OF EACH RESURFACING OPERATION

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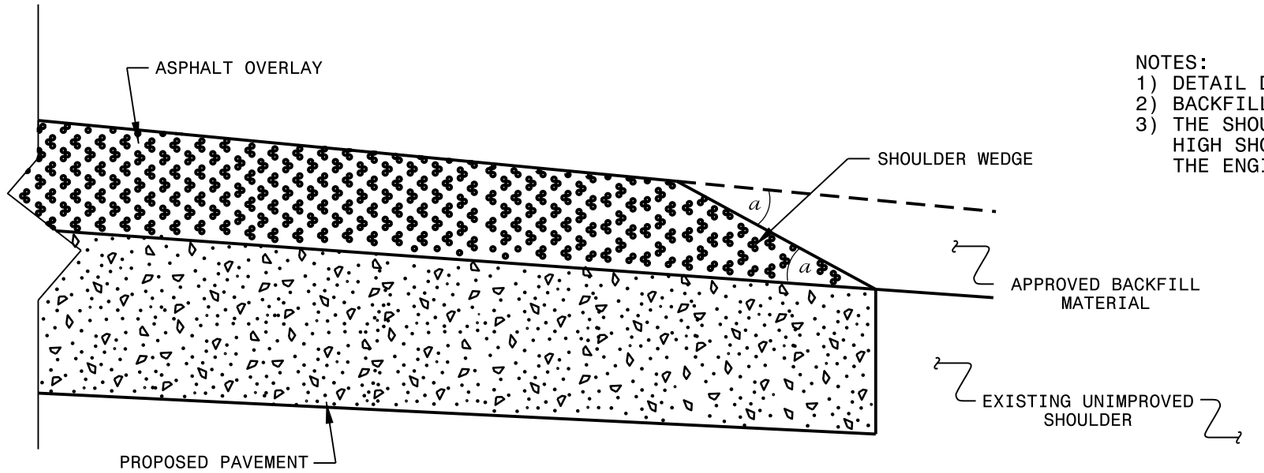
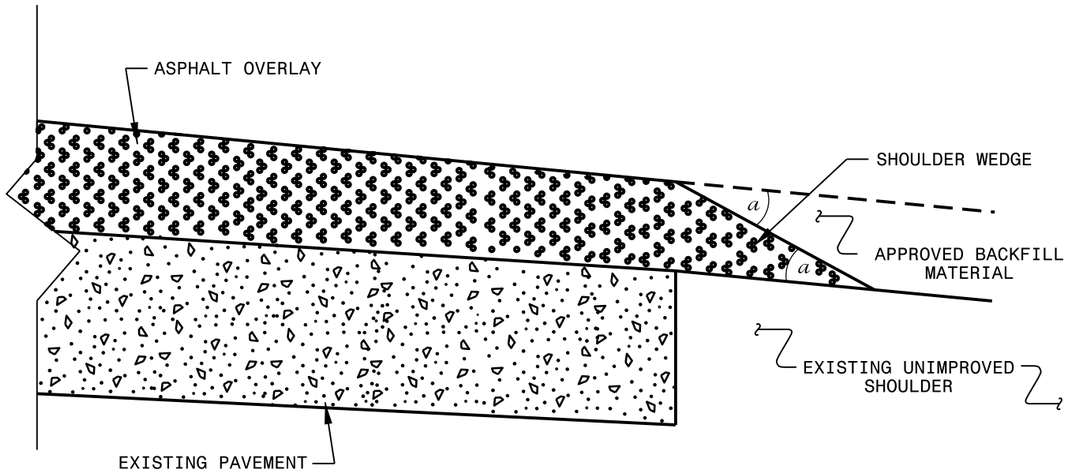


NOTES:
1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS DIRECTED BY THE ENGINEER.

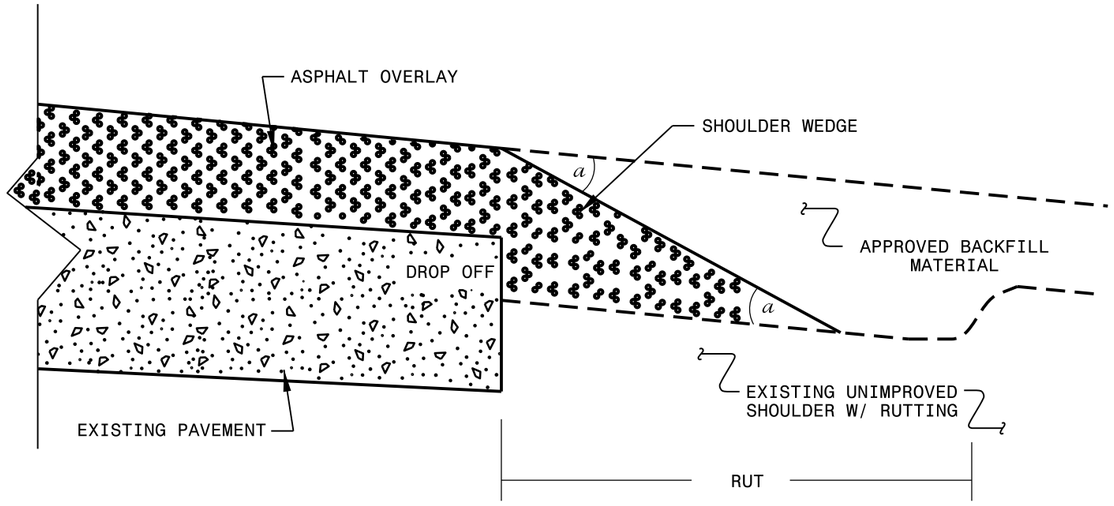
SHOULDER WEDGE DETAIL

(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: 10/16/12
CHECKED BY: _____ DATE: _____
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn

PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.09.01.10291, 2018CPT.09.02.20291	15	
2018CPT.08.06.20761,		

SUMMARY OF QUANTITIES

													0106000000-E	1220000000-E	1245000000-E	1297000000-E	1308000000-E	1330000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	2815000000-N	2830000000-N	2845000000-N	5255000000-N	6000000000-E	6071010000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	MILLING ASPHALT PAVEMENT, 1 1/2"DEPTH	MILLING ASPHALT PAVEMENT, 0"TO 1 1/2" DEPTH	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ADJ. OF DROP INLET	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	PORTABLE LIGHTING	TEMPORARY SILT FENCE	WATTLE
										MI	FT	CY	TONS	SMI	SY	SY	SY	TONS	TONS	TONS	TONS	EA	EA	EA	LS	LF	LF
2018CPT.09.01.10291	Davidson	1	NC 8	FROM PAVEMENT JT AT NC 47 TO BRIDGE NO.92 OVER I-85	1,2	5	2WU	NO	NO	1.52	varies 60-76	25	50	0.20	60,557				5,861	352	20		20	14		82	8
TOTAL FOR MAP NO. 1										**1.52**		**25**	**50**	**0.20**	**60,557**				**5,861**	**352**	**20**		**20**	**14**		**82**	**8**
2018CPT.09.01.10291	Davidson	2	NC 8 / TALBERT BLVD.	FROM NC 8 / COTTON GROVE RD. TO W. M.L.K JR. BLVD. / RALEIGH RD. SR 2205	1,2	2	M2	NO	NO	1.702	varies 24-56	30		0.25	44,164				4,278	257	20		19	12		101	10
TOTAL FOR MAP NO. 2										**1.702**		**30**		**0.25**	**44,164**				**4,278**	**257**	**20**		**19**	**12**		**101**	**10**
2018CPT.09.01.10291	Davidson	3	NC 8 / W. M.L.K. JR. BLVD.	NC 8 / TALBERT BLVD. TO N. MAIN ST. SR 3346	2	2	M2	NO	NO	0.769	varies 22-48				17,552				1,701	102	20		26	16	*		
TOTAL FOR MAP NO. 3										**0.769**					**17,552**				**1,701**	**102**	**20**		**26**	**16**			
2018CPT.09.01.10291	Davidson	4	NC 8 / E. 5TH ST SOUTH BOUND	N. MAIN ST. SR 3346 TO END OF CONC MEDIAN NOSE AT BEGIN 48 FT. WIDTH	2	2	MU	NO	NO	0.288	varies 32-33				5,811				563	34	20		2				
TOTAL FOR MAP NO. 4										**0.288**					**5,811**				**563**	**34**	**20**		**2**				
2018CPT.09.01.10291	Davidson	5	NC 47/SALISBURY ST.	NC 109/GLENN ST. TO APPROX. 95 FT. W. OF N. JONES ST. INTERSECTION (MILL LOOPS)	2	2	2WU	NO	NO	0.431	varies 43-44				10,873				1,053	63	20	16	7	8			
TOTAL FOR MAP NO. 5										**0.431**					**10,873**				**1,053**	**63**	**20**	**16**	**7**	**8**			
2018CPT.09.01.10291	Davidson	6	NC 109	FROM PVMT. JT SOUTH OF NC 49 TO RANDOLPH CO. LINE	1	2	2WU	NO	NO	3.41	varies 24-26	409	246	6.82	48,013				4,751	285	413					1,364	136
TOTAL FOR MAP NO. 6										**3.41**		**409**	**246**	**6.82**	**48,013**				**4,751**	**285**	**413**					**1,364**	**136**
2018CPT.09.01.10291	Davidson	7	NC109/NC47	FROM PVMT JT. SOUTH OF KLOPMAN MILL RD. SR 2559 TO PVMT. JT. SOUTH OF TOMS CREEK CHURCH RD. SR 2338	1,2	2	2WU	NO	NO	1.894	varies 25-54	76	24	1.27	42,668				4,135	248	20		11	8		253	25
TOTAL FOR MAP NO. 7										**1.894**		**76**	**24**	**1.27**	**42,668**				**4,135**	**248**	**20**		**11**	**8**		**253**	**25**
2018CPT.09.01.10291	Davidson	8	NC 150	FROM PVMT JT. NORTH OF OLD SALISBURY RD. SR 1147 TO PVMT JT AT SWICEGOOD RD SR 1155	3	2	2WU	NO	NO	0.804	22	96	111	1.61	11,310				1,467	88	20			2		321	32
TOTAL FOR MAP NO. 8										**0.804**		**96**	**111**	**1.61**	**11,310**				**1,467**	**88**	**20**			**2**		**321**	**32**
TOTAL FOR PROJ NO. 2018CPT.09.01.10291										**10.818**		**636**	**431**	**10.15**	**240,948**				**23,809**	**1,429**	**553**	**16**	**85**	**60**		**2,121**	**211**
2018CPT.09.02.20291	Davidson	9	HILLTOP DR. SR 1290	E.O.P. AT TRADING FORD WAY SR 1138 TO END OF MAINTENANCE	4	2	2WU	NO	NO	0.209	19	25	33	0.42				316		21						84	8
TOTAL FOR MAP NO. 9										**0.209**		**25**	**33**	**0.42**				**316**		**21**						**84**	**8**
2018CPT.09.02.20291	Davidson	10	TRADING FORD WAY SR 1138	FROM SOWERS RD. SR 1139 SOUTH TO YORK HILL RIVER BOAT ACCESS	4	2	2WU	NO	NO	0.65	19	78	189	1.30				692		47						260	26
TOTAL FOR MAP NO. 10										**0.65**		**78**	**189**	**1.30**				**692**		**47**						**260**	**26**
2018CPT.09.02.20291	Davidson	11	TRADING FORD WAY SR 1138	SOWERS RD. SR 1139 NORTH TO END OF MAINTENANCE	4	2	2WU	NO	NO	0.371	20	45	72	0.74				431		30						148	15
TOTAL FOR MAP NO. 11										**0.371**		**45**	**72**	**0.74**				**431**		**30**						**148**	**15**
2018CPT.09.02.20291	Davidson	12	W. CENTER ST. EXT. SR 1242	W. CENTER ST. SR 1243 TO NC 150	5,7	2	2WU	NO	NO	4.784	varies 24-36	553	417	9.22		2,653	1,344		6,735	404	20	2	1	8		1,843	184
TOTAL FOR MAP NO. 12										**4.784**		**553**	**417**	**9.22**		**2,653**	**1,344**		**6,735**	**404**	**20**	**2**	**1**	**8**		**1,843**	**184**
2018CPT.09.02.20291	Davidson	13	ROWE RD. SR 1203	OLD US 64 TO US 64	4	2	2WU	NO	NO	0.607	19	73	120	1.21				646		43						243	24
TOTAL FOR MAP NO. 13										**0.607**		**73**	**120**	**1.21**				**646**		**43**						**243**	**24**
2018CPT.09.02.20291	Davidson	14	TYRO RD. SR 1213	OLD SALISBURY RD. SR 1147 TO NC 150	5	2	2WU	NO	NO	3.636	varies 22-23	436	264	7.27			511		4,863	292				8		1,454	145
TOTAL FOR MAP NO. 14										**3.636**		**436**	**264**	**7.27**			**511**		**4,863**	**292**				**8**		**1,454**	**145**
2018CPT.09.02.20291	Davidson	15	HARGRAVE LN. SR 3165	HARGAVE RD./ NC 47 TO E.O.M. AT PVMT JT. AT MASTERBRAND	1,2	2	2WU	NO	NO	0.405	varies 24-36	34	10	0.28	9,682				938	56			3	1		114	11
TOTAL FOR MAP NO. 15										**0.405**		**34**	**10**	**0.28**	**9,682**				**938**	**56**			**3**	**1**		**114**	**11**
2018CPT.09.02.20291	Davidson	16	LAMBETH RD. SR 2067	NC 109 PVMT. JT. TO E.OP. AT KENNEDY RD. SR 2066	5	2	2WU	NO	NO	0.111	varies 24-26	13	24	0.22		500	1,567		158	9						44	4
TOTAL FOR MAP NO. 16										**0.111**		**13**	**24**	**0.22**		**500**	**1,567**		**158**	**9**						**44**	**4**
2018CPT.09.02.20291	Davidson	17	OLD FARM RD. SR 2800	TOWER RD. SR 2062 TO RANDOLPH CO. LINE	4A	2	2WU	NO	NO	0.398	20		6					446		31							
TOTAL FOR MAP NO. 17										**0.398**			**6**					**446**		**31**							
2018CPT.09.02.20291	Davidson	18	SINGLE TREE LN. SR 2801	OLD FARM RD. SR 2800 TO END OF MAINTENANCE	4A	2	2WU	NO	NO	0.261	19		3					303		20							
TOTAL FOR MAP NO. 18										**0.261**			**3**					**303**		**20**							
2018CPT.09.02.20291	Davidson	19	SPLITRAIL CIR. SR 2805	OLD FARM RD. SR 2800 TO END OF MAINTENANCE	4A	2	2WU	NO	NO	0.076	20							110		8							
TOTAL FOR MAP NO. 19										**0.076**								**110**		**8**							
2018CPT.09.02.20291	Davidson	20	WAGON WHEEL RD. SR 2822	SINGLE TREE LN. SR 2801 TO RANDOLPH CO. LINE	4A	2	2WU	NO	NO	0.06	19		6					64		5				1			
TOTAL FOR MAP NO. 20										**0.06**			**6**					**64**		**5**				**1**			
2018CPT.09.02.20291	Davidson	21	OAK BUCKET RD. SR 2823	SINGLE TREE LN. SR 2801 TO RANDOLPH CO. LINE	4	2	2WU	NO	NO	0.06	20							67		5				1			
TOTAL FOR MAP NO. 21										**0.06**								**67**		**5**				**1**			
2018CPT.09.02.20291	Davidson	26	OLD US 64/RALEIGH RD. SR 2205	NC 8 TO SOUTH OF S. COUNTY HOME RD. SR 2222	1,2	2	2WU	NO	NO	2.385	varies 25-56	253	490	4.22	49,506				4,799	288	20		4	16	*	844	84
TOTAL FOR MAP NO. 26										**2.385**		**253**	**490**	**4.22**	**49,506**				**4,799**	**288**	**20**		**4**	**16**		**844**	**84**
2018CPT.09.02.20291	Davidson	27	E. 1ST ST SR 1001	FROM NC 109 TO MAIN ST. SR 2414	2	2	2WU	NO	NO	0.271	30				4,770				463	28		8	7	6			
TOTAL FOR MAP NO. 27										**0.271**					**4,770**				**463**	**28**		**8**	**7**	**6**			
2018CPT.09.02.20291	Davidson	28	FLOYD CHURCH RD. SR 2304/ PARKS RD. SR 2304	FROM NC 47 TO NC 8	6	2	2WU	NO	NO	5.872	varies 23-24	705	450	11.74					9,218	553	20			4		2,349	235
TOTAL FOR MAP NO. 28										**5.872**		**705**	**450**	**11.74**					**9,218**	**553**	**20**			**4**		**2,349**	**235**
TOTAL FOR PROJ NO. 2018CPT.09.02.20291										**20.156**		**2,215**	**2,084**	**36.63**	**63,958**	**3,153**	**3,422**	**3,075**	**27,174**	**1,840**	**60**	**10**	**15**	**45**		**7,383**	**736**
2018CPT.08.06.20761	Randolph	22	OLD FARM RD. SR 3152	DAVIDSON CO. LINE TO CEDAR TR. SR 3153	4	2	2WU	NO	NO	0.183	19		6					195		13							
TOTAL FOR MAP NO. 22										**0.183**			**6**					**195**		**13**							
2018CPT.08.06.20761	Randolph	23	WAGON WHEEL RD. SR 3207	DAVIDSON CO. LINE TO CEDAR TRAIL SR 3153	4	2	2WU	NO	NO	0.136	18		6					137		10				1			
TOTAL FOR MAP NO. 23										**0.136**			**6**					**137**		**10**				**1**			
2018CPT.08.06.20761	Randolph	24	OAK BUCKET RD. SR 3208	DAVIDSON CO. LINE TO END OF MAINTENANCE	4	2	2WU	NO	NO	0.105	19							156		11							
TOTAL FOR MAP NO. 24										**0.105**								**156**		**11**							
2018CPT.08.06.20761	Randolph	25	CEDAR TRAIL SR 3153	FROM END OF MAINTENANCE TO END OF MAINTENANCE	4	2	2WU	NO	NO	0.27	19		6					312		21							
TOTAL FOR MAP NO. 25										**0.27**			**6**					**312**		**21**							
TOTAL FOR PROJ NO. 2018CPT.08.06.20761										**0.694**			**18**					**800**		**55**				**1**			
GRAND TOTAL										**31.668**		**2,851**	**2,533**	**46.78**	**304,906**	**3,153**	**3,422**	**3,875**	**50,983**	**3,320**	**613**	**26**	**100**	**106**	**1**	**9,504**	**947**

NOTE: All Quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received.

PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.09.01.10291, 2018CPT.09.02.20291 2018CPT.08.06.20761,	16	

THERMOPLASTIC AND PAINT QUANTITIES

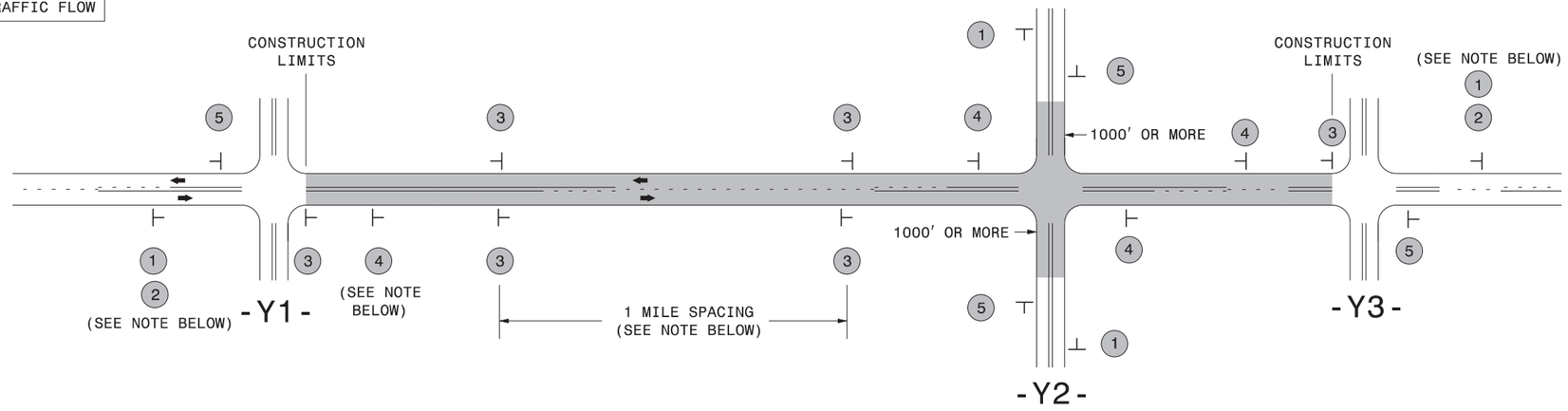
										4413000000-E	4457000000-N	4685000000-E		4686000000-E		4695000000-E		4697000000-E	4700000000-E	4705000000-E	4710000000-E	4721000000-E		4725000000-E					4810000000-E		4820000000-E		4825000000-E	4830000000-E	4835000000-E	4840000000-N		4845000000-N					4847010000-E	4847050000-E	4850000000-E	4905000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" X 120 M YELLOW THERMO	4" X 120 M WHITE THERMO	8" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	8" X 120 M WHITE THERMO	12" X 90 M YELLOW THERMO	16" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO MSG ONLY 120 M	THERMO RXR 120 M	THERMO LT ARROW 90 M	THERMO STR ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR & LT ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	8" WHITE PAINT	8" YELLOW PAINT	12" WHITE PAINT	16" WHITE PAINT	24" WHITE PAINT	PAINT MSG ONLY	PAINT MSG RXR	PAINT LT ARROW	PAINT RT ARROW	PAINT STR & RT ARROW	PAINT STR ARROW	PAINT STR & LT ARROW	POLYUREA PAVEMENT MARKING LINES (4", 20 MILS)	POLYUREA PAVEMENT MARKING LINES (8", 20 MILS)	REMOVAL OF PAVEMENT MARKING LINES (4")	SNOW PLOWABLE MARKERS
								MI	FT	SF	LS	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	EA
2018CPT.09.01.10291	Davidson	1	NC 8	FROM PAVEMENT JT AT NC 47 TO BRIDGE NO.92 OVER I-85	1,2	5	2WU	1.52	varies 60-76	678						24		301		50	507	4	2	53	11	1	5		6,459	22,305	325		301	50	507	4	2	53	5	1	11		28,764		924	379
TOTAL FOR MAP NO. 1								1.52		678						24		301		50	507	4	2	53	11	1	5		6,459	22,305	325		301	50	507	4	2	53	5	1	11		28,764		924	379
2018CPT.09.01.10291	Davidson	2	NC 8 / TALBERT BLVD.	FROM NC 8 / COTTON GROVE RD. TO W. M.L.K JR. BLVD. / RALEIGH RD. SR 2205	1,2	2	M2	1.702	varies 24-56								27				255	16		36	2	2	7	1	5,267	20,603	832	27			255	16		36	7	2	2	1	25,870	1,732		
TOTAL FOR MAP NO. 2								1.702									27				255	16		36	2	2	7	1	5,267	20,603	832	27			255	16		36	7	2	2	1	25,870	1,732		
2018CPT.09.01.10291	Davidson	3	NC 8 / W. M.L.K. JR. BLVD.	NC 8 / TALBERT BLVD. TO N. MAIN ST. SR 3346	2	2	M2	0.769	varies 22-48								40				69	8		2	4	2	4	2	4,035	6,136	188	40			69	8		2	4	2	4	2	10,171	1,155	660	
TOTAL FOR MAP NO. 3								0.769									40				69	8		2	4	2	4	2	4,035	6,136	188	40			69	8		2	4	2	4	2	10,171	1,155	660	
2018CPT.09.01.10291	Davidson	4	NC 8 / E. 5TH ST SOUTH BOUND	N. MAIN ST. SR 3346 TO END OF CONC MEDIAN NOSE AT BEGIN 48 FT. WIDTH	2	2	MU	0.288	varies 32-33															4					537		84							4					537	84		19
TOTAL FOR MAP NO. 4								0.288																4					537		84							4					537	84		19
2018CPT.09.01.10291	Davidson	5	NC 47/SALISBURY ST.	NC 109/GLENN ST. TO APPROX. 95 FT. W. OF N. JONES ST. INTERSECTION (MILL LOOPS)	2	2	2WU	0.431	varies 43-44		*							86		100	219		4	2	2		5	5	967	4,550	323			100	219		4	2	5		2	5	5,517	237		28
TOTAL FOR MAP NO. 5								0.431										86		100	219		4	2	2		5	5	967	4,550	323			100	219		4	2	5		2	5	5,517	237		28
2018CPT.09.01.10291	Davidson	6	NC 109	FROM PVMT. JT SOUTH OF NC 49 TO RANDOLPH CO. LINE	1	2	2WU	3.41	varies 24-26																				36,728	36,010													72,738			225
TOTAL FOR MAP NO. 6								3.41																					36,728	36,010													72,738			225
2018CPT.09.01.10291	Davidson	7	NC109/NC47	FROM PVMT JT. SOUTH OF KLOPMAN MILL RD. SR 2559 TO PVMT. JT. SOUTH OF TOMS CREEK CHURCH RD. SR 2338	1,2	2	2WU	1.894	varies 25-54										151		206	8		33		8	3	4	9,160	22,002		151			206	8		33	3	8		4	31,162	314		281
TOTAL FOR MAP NO. 7								1.894											151		206	8		33		8	3	4	9,160	22,002		151			206	8		33	3	8		4	31,162	314		281
2018CPT.09.01.10291	Davidson	8	NC 150	FROM PVMT JT. NORTH OF OLD SALISBURY RD. SR 1147 TO PVMT JT AT SWICEGOOD RD SR 1155	3	2	2WU	0.804	22												24								8,716	8,579					24								17,295			53
TOTAL FOR MAP NO. 8								0.804													24								8,716	8,579					24								17,295			53
TOTAL FOR PROJ NO. 2018CPT.09.01.10291								10.818		678	*					24	67	387	151	150	1,280	36	6	130	19	13	24	12	71,869	120,185	1,752	218	301	150	1,280	36	6	130	24	13	19	12	192,054	3,522	1,584	985
																91						42		198					192,054		1,970					42		198								
2018CPT.09.02.20291	Davidson	9	HILLTOP DR. SR 1290	E.O.P. AT TRADING FORD WAY SR 1138 TO END OF MAINTENANCE	4	2	2WU	0.209	19	2,337		2,249		2,207																																
TOTAL FOR MAP NO. 9								0.209		2,337		2,249		2,207																																
2018CPT.09.02.20291	Davidson	10	TRADING FORD WAY SR 1138	FROM SOWERS RD. SR 1139 SOUTH TO YORK HILL RIVER BOAT ACCESS	4	2	2WU	0.65	19			6,994		6,864																																
TOTAL FOR MAP NO. 10								0.65				6,994		6,864																																
2018CPT.09.02.20291	Davidson	11	TRADING FORD WAY SR 1138	SOWERS RD. SR 1139 NORTH TO END OF MAINTENANCE	4	2	2WU	0.371	20			3,992		3,918	80																															
TOTAL FOR MAP NO. 11								0.371				3,992		3,918	80																															
2018CPT.09.02.20291	Davidson	12	W. CENTER ST. EXT. SR 1242	W. CENTER ST. SR 1243 TO NC 150	5,7	2	2WU	4.784	varies 24-36			48,664		51,809	695		27				184			11	2	4	1																			
TOTAL FOR MAP NO. 12								4.784				48,664		51,809	695		27				184			11	2	4	1																			
2018CPT.09.02.20291	Davidson	13	ROWE RD. SR 1203	OLD US 64 TO US 64	4	2	2WU	0.607	19			6,531		6,410							22																									
TOTAL FOR MAP NO. 13								0.607				6,531		6,410							22																									
2018CPT.09.02.20291	Davidson	14	TYRO RD. SR 1213	OLD SALISBURY RD. SR 1147 TO NC 150	5	2	2WU	3.636	varies 22-23			39,123		38,586	92						52																									
TOTAL FOR MAP NO. 14								3.636				39,123		38,586	92						52																									
2018CPT.09.02.20291	Davidson	15	HARGRAVE LN. SR 3165	HARGAVE RD./ NC 47 TO E.O.M. AT PVMT JT. AT MASTERBRAND	1,2	2	2WU	0.405	varies 24-36			1,921	540	4,272	121						81			2		2			2,042	4,812					81								1,580		1,580	
TOTAL FOR MAP NO. 15								0.405				1,921	540	4,272	121						81			2		2			2,042	4,812					81								1,580		1,580	
2018CPT.09.02.20291	Davidson	16	LAMBETH RD. SR 2067	NC 109 PVMT. JT. TO E.OP. AT KENNEDY RD. SR 2066	5	2	2WU	0.111	varies 24-26		*	1,184		1,000	12																															
TOTAL FOR MAP NO. 16								0.111				1,184		1,000	12																															
2018CPT.09.02.20291	Davidson	17	OLD FARM RD. SR 2800	TOWER RD. SR 2062 TO RANDOLPH CO. LINE	4A	2	2WU	0.398	20																																					
TOTAL FOR MAP NO. 17								0.398																																						
2018CPT.09.02.20291	Davidson	18	SINGLE TREE LN. SR 2801	OLD FARM RD. SR 2800 TO END OF MAINTENANCE	4A	2	2WU	0.261	19																																					
TOTAL FOR MAP NO. 18								0.261																																						
2018CPT.09.02.20291	Davidson	19	SPLITRAIL CIR. SR 2805	OLD FARM RD. SR 2800 TO END OF MAINTENANCE	4A	2	2WU	0.076	20																																					
TOTAL FOR MAP NO. 19								0.076																																						
2018CPT.09.02.20291	Davidson	20	WAGON WHEEL RD. SR 2822	SINGLE TREE LN. SR 2801 TO RANDOLPH CO. LINE	4A	2	2WU	0.06	19																																					
TOTAL FOR MAP NO. 20								0.06																																						
2018CPT.09.02.20291	Davidson	21	OAK BUCKET RD. SR 2823	SINGLE TREE LN. SR 2801 TO RANDOLPH CO. LINE	4	2	2WU	0.06	20																																					
TOTAL FOR MAP NO. 21								0.06																																						
2018CPT.09.02.20291	Davidson	26	OLD US 64/RALEIGH RD. SR 2205	NC 8 TO SOUTH OF S. COUNTY HOME RD. SR 2222	1,2	2	2WU	2.385	varies 25-56			23,861	2,081	26,860	1,804	376	271				145	4		22		2	4		25,665	26,860	376	271			145	4		22	4	2			2,452		2,452	
TOTAL FOR MAP NO. 26								2.385				23,861	2,081	26,860	1,804	376	271				145	4		22		2	4		25,665	26,860	376	271			145	4		22	4	2			2,452		2,452	
2018CPT.09.02.20291	Davidson	27	E. 1ST ST SR 1001	FROM NC 109 TO MAIN ST. SR 2414	2	2	2WU	0.271	30					2,862						100	50		4							2,862				100	50		4									
TOTAL FOR MAP NO. 27								0.271						2,862						100	50		4							2,862				100	50		4									
2018CPT.09.02.20291	Davidson	28	FLOYD CHURCH RD. SR 2304/ PARKS RD. SR 2304	FROM NC 47 TO NC 8	6	2	2WU	5.872	varies 23-24			63,177		62,003	66																															
TOTAL FOR MAP NO. 28								5.872				63,177		62,003	66																															
TOTAL FOR PROJ NO. 2018CPT.09.02.20291								20.156		2,337	*	197,696	2,621	206,791	2,870	376	298			100	534	4	4	35	2	8	5		27,707	34,534	376	271		100	276	4	4	22	4	2			4,032		4,032	
												200,317		209,661		674						8		50					62,241		647					8		28								
2018CPT.08.06.20761	Randolph	22	OLD FARM RD. SR 3152	DAVIDSON CO. LINE TO CEDAR TR. SR 3153	4	2	2WU	0.183	19	158																																				
TOTAL FOR MAP NO. 22								0.183		158																																				
2018CPT.08.06.20761	Randolph	23	WAGON WHEEL RD. SR 3207	DAVIDSON CO. LINE TO CEDAR TRAIL SR 3153	4	2	2WU	0.136	18																																					
TOTAL FOR MAP NO. 23								0.136																																						
2018CPT.08.06.20761	Randolph	24	OAK BUCKET RD. SR 3208	DAVIDSON CO. LINE TO END OF MAINTENANCE	4	2	2WU	0.105	19		*																																			
TOTAL FOR MAP NO. 24								0.105																																						
2018CPT.08.06.20761	Randolph	25	CEDAR TRAIL SR 3153	FROM END OF MAINTENANCE TO END OF MAINTENANCE	4	2	2WU	0.27	19																																					
TOTAL FOR MAP NO. 25								0.27																																						
TOTAL FOR PROJ NO. 2018CPT.08.06.20761								0.694		158	*																																			
GRAND TOTAL								31.668		3,173	1	197,696	2,621	206,791	2,870	400	365	387	151	250	1,814	40	10	165	21	21	29	12	99,576	154,719	2,128	489	301	250	1,556	40	10	152	28	15	19	12	196,086	3,522	5,616	985
												200,317		209,661		765						50		248					254,295		2,617					50		226								

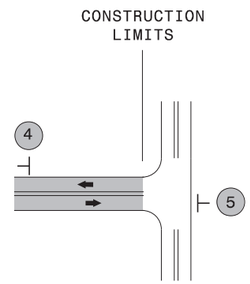
NOTE: All Quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received.

PROJ. REFERENCE NO.	SHEET NO.
2018CPT.09.01.10291 2018CPT.09.02.20291 2018CPT.08.06.20761	TMP-1

SIGNING FOR RESURFACING PROJECTS

LEGEND
- ⊢ STATIONARY SIGN
- ← DIRECTION OF TRAFFIC FLOW





TEE INTERSECTION

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 — ROAD WORK AHEAD, W20-1, 48″ X 48″
2 — NEXT XX MILES, W7-3aP, 24″ X 18″

PLACE 1000′ PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.
ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000′ ALONG -Y- LINE.

#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)

3 — LOW SOFT SHOULDER, SP 13107, 48″ X 48″

- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.
- AT TEE INTERSECTIONS INSTALL INITIALLY ½ MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.

4 — ROAD UNDER CONST, SP 13106, 48″ X 48″

- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.
- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.
- INSTALL 500′ +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.
- FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500′ OF EACH APPROACH.
- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.
- FOR TEE INTERSECTIONS, INSTALL WITHIN 500′ +/- OF THE INTERSECTION ALONG -L- LINE.

5 — END ROAD WORK, G20-2 A, 48″ X 24″

PLACE 500′ FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

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.

-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, PORTABLE ADVANCE WARNING 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.

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

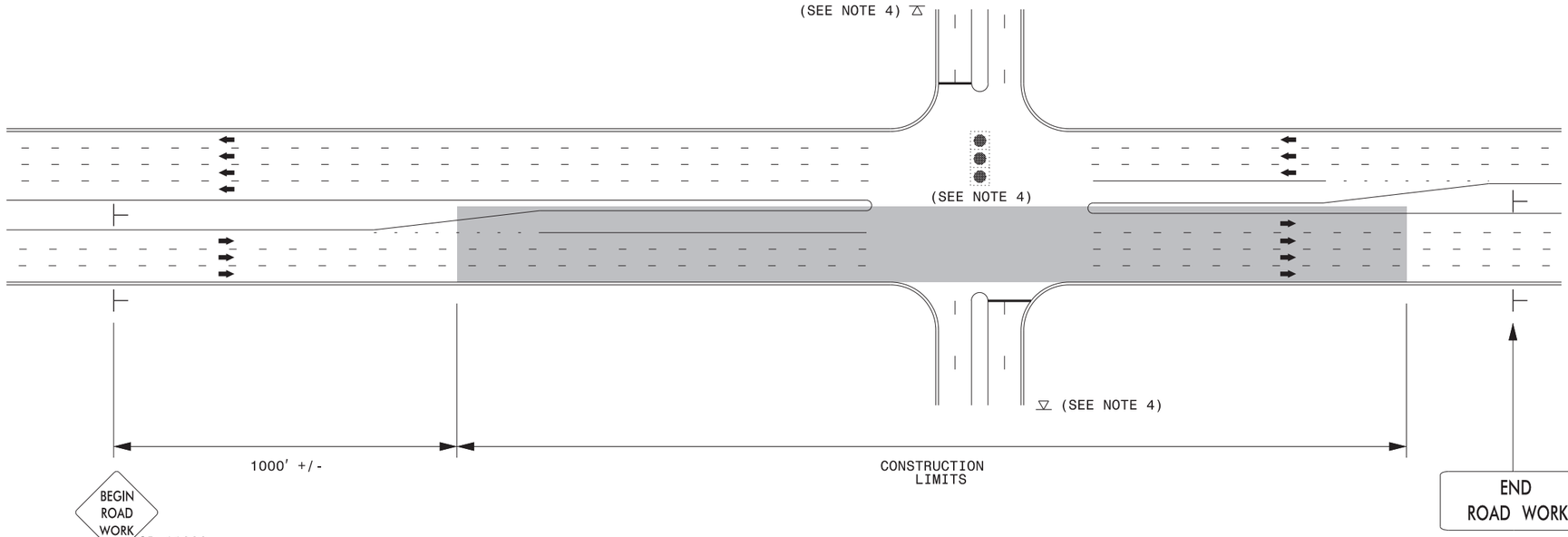
ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

5/15/2017
S:\TMU\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn
User:kedgis

PROJ. REFERENCE NO.	SHEET NO.
2018CPT.09.01.10291	TMP-2

2018CPT.09.02.20291
2018CPT.08.06.20761

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

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

RESURFACING ADVANCE WARNING SIGNS FOR URBAN / SUBURBAN FACILITIES

4/8/2015
C:\Users\rmgarrett\Downloads\Resurfacing_AdvWarn_UrSu (2).dgn
User:rmgarrett

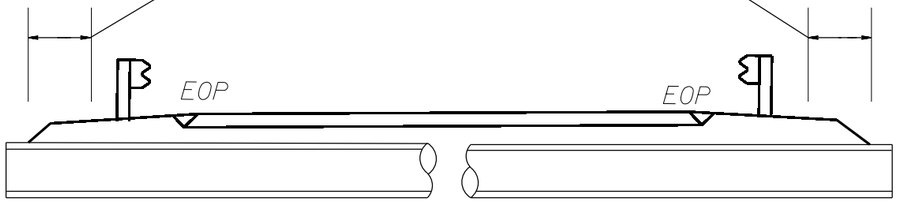
PROJECT REFERENCE NO.	SHEET NO.
2018CPT.09.01.1 0291 2018CPT.09.02.2 0291 2018CPT.08.06.2 0761	EC-1

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

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

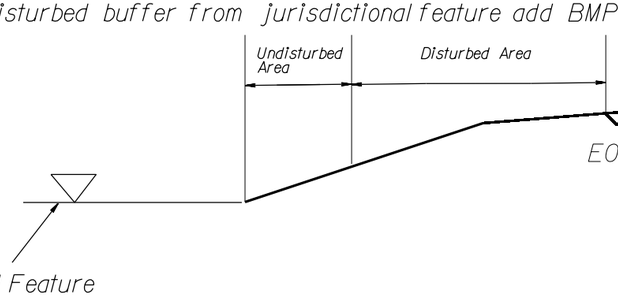
EROSION CONTROL DETAIL

< 5' - 10' Undisturbed buffer add BMP

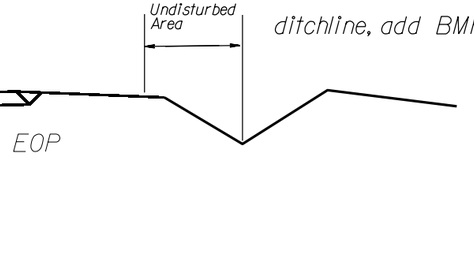


Pipe/Culvert

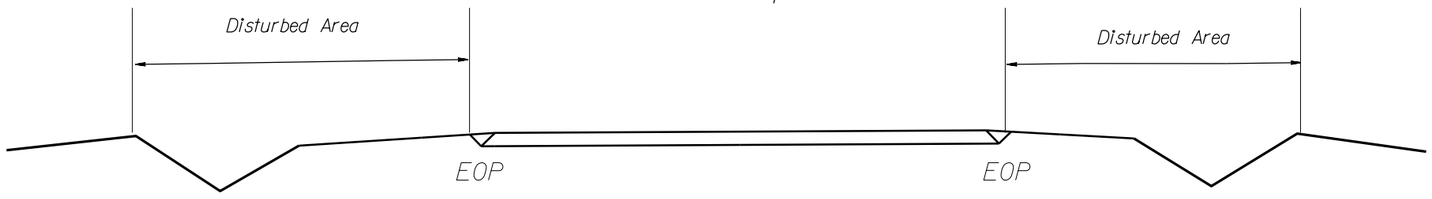
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



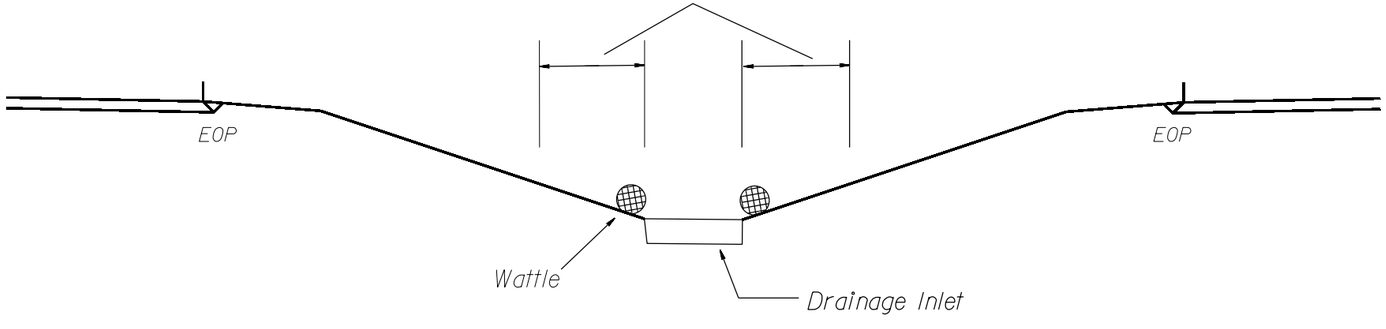
< 5' - 10' Undisturbed buffer from ditchline, add BMP



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



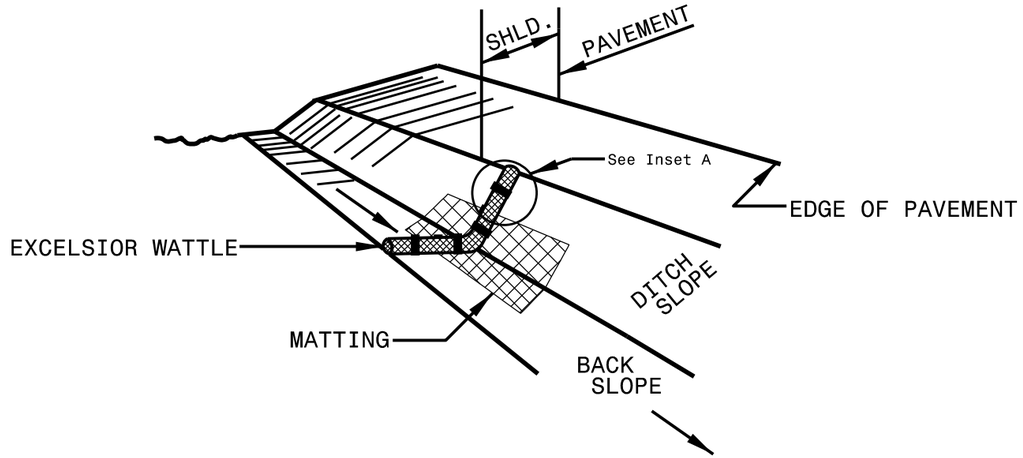
< 5' - 10' Undisturbed buffer from inlet, add wattle



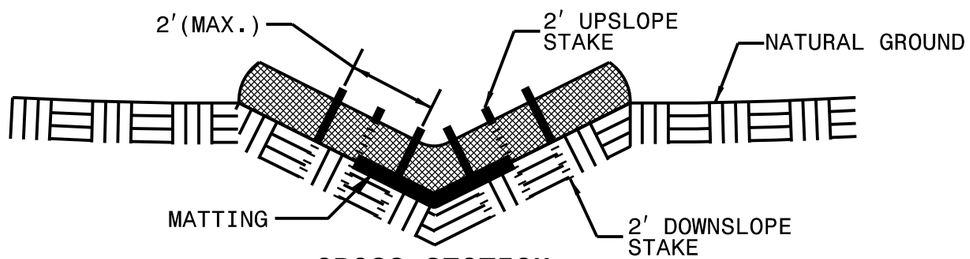
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
2018CPT.09.01.10291 2018CPT.09.02.20291 2018CPT.08.06.20761	EC-2

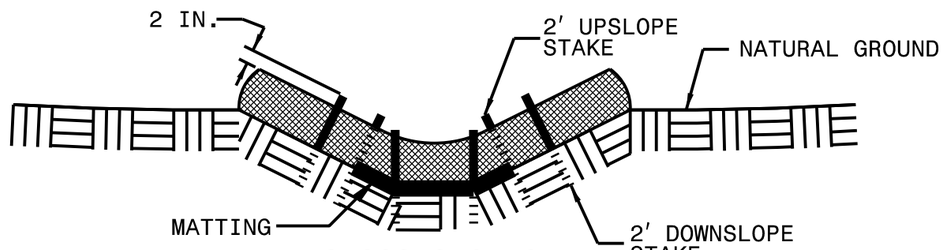
WATTLE DETAIL



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. 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.

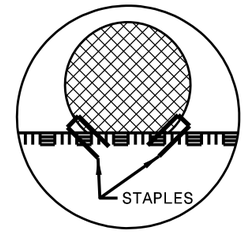
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

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

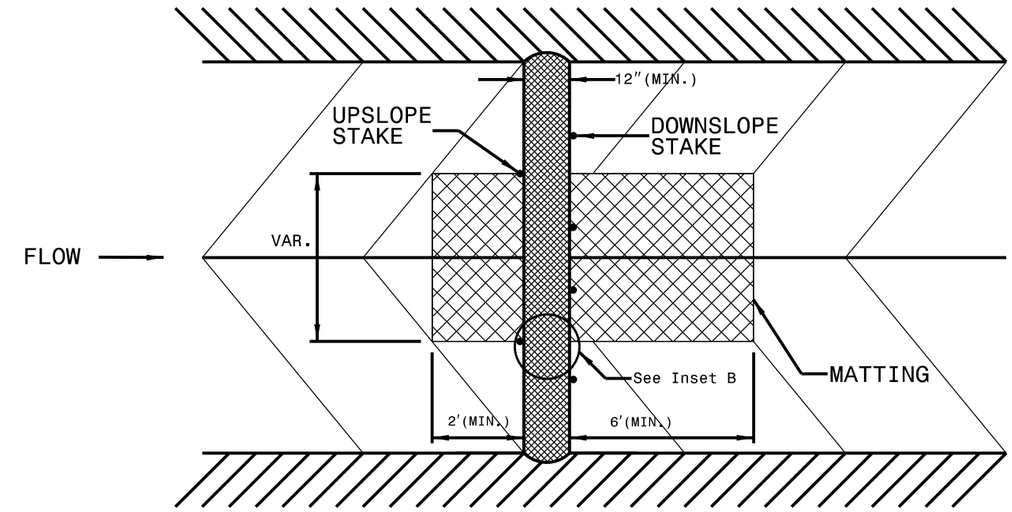
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

INSET A



INSET B



TOP VIEW