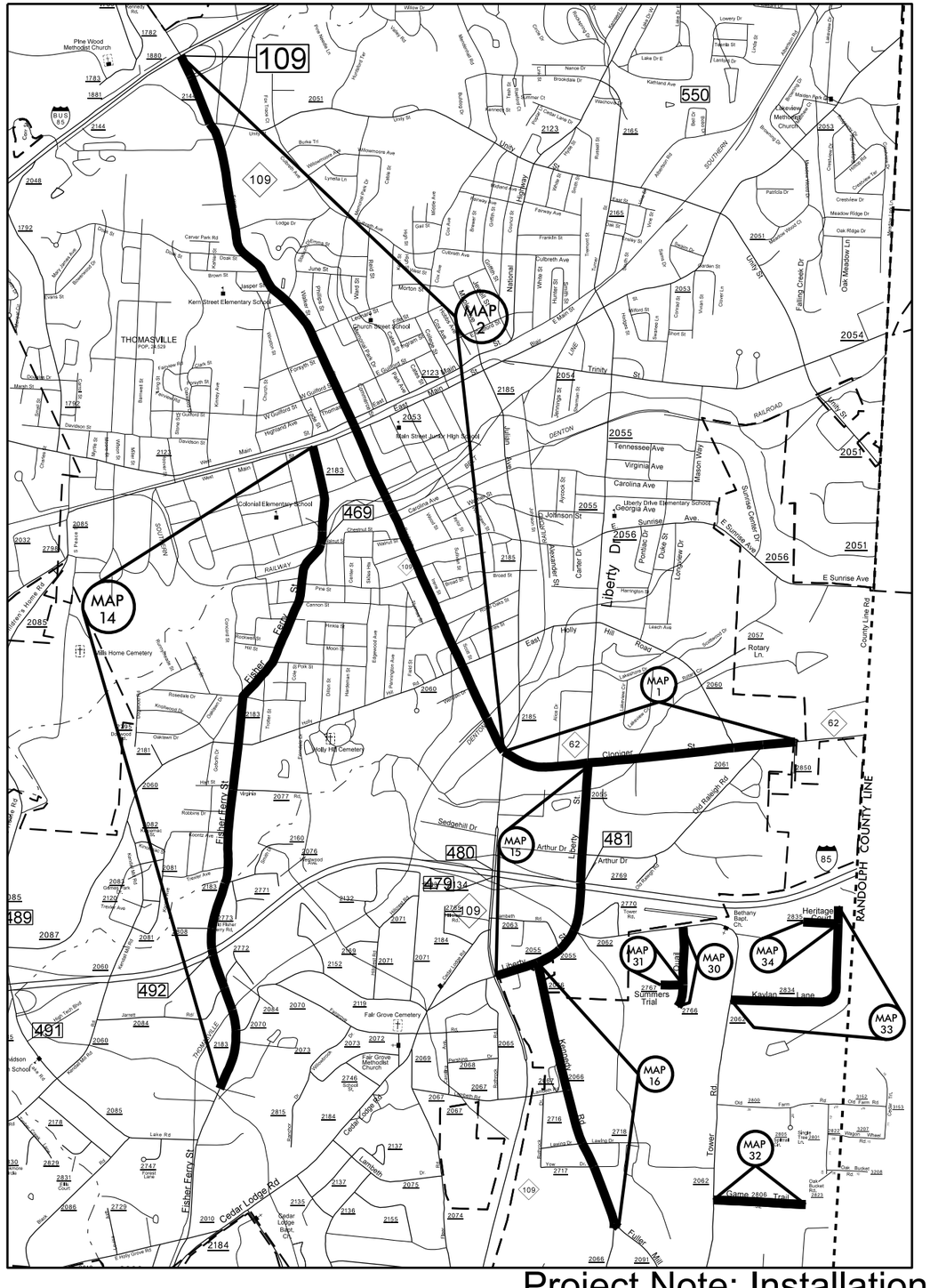
PROJECT REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291 2020CPT.09.02.20291	1



MAP 1
NC 62
Mill 1½" Depth.
Pave 1½" S9.5C

MAP 2
NC 109
Mill 1½" Depth
Pave 1½" S9.5C
Mill and Pave same day.
DO NOT Pave ramps.
Tie into new surfaces at NC 62 /Julian Ave. intersection.

MAP 14
Fisher Ferry St. SR 2183
Mill 1½" Depth.
Pave with 1½" S9.5C

MAP 15
Liberty St. SR 2055
Mill 1½" Depth.
Pave 1½" S9.5C
Tie into new surface at NC 62.

MAP 16
Kennedy Rd. SR 2066
Mill 1½" Depth.
Pave 1½" S9.5C
Tie into new surface at Liberty St.
Pave to south of intersection of Fuller Mill Rd. SR 2091

MAP 30
Quail SR 2766
Mill 1½" Depth
Pave 1½" S9.5B
NO SHOULDER WORK
NO THERMO

MAP 31
Summers Trail SR 2767
Mill 1½" Depth
Pave 1½" S9.5B
NO SHOULDER WORK
NO THERMO

MAP 32
Game Trail SR 2806
NO MILL
NO SHOULDER WORK
NO THERMO
Pave 1½" S9.5B

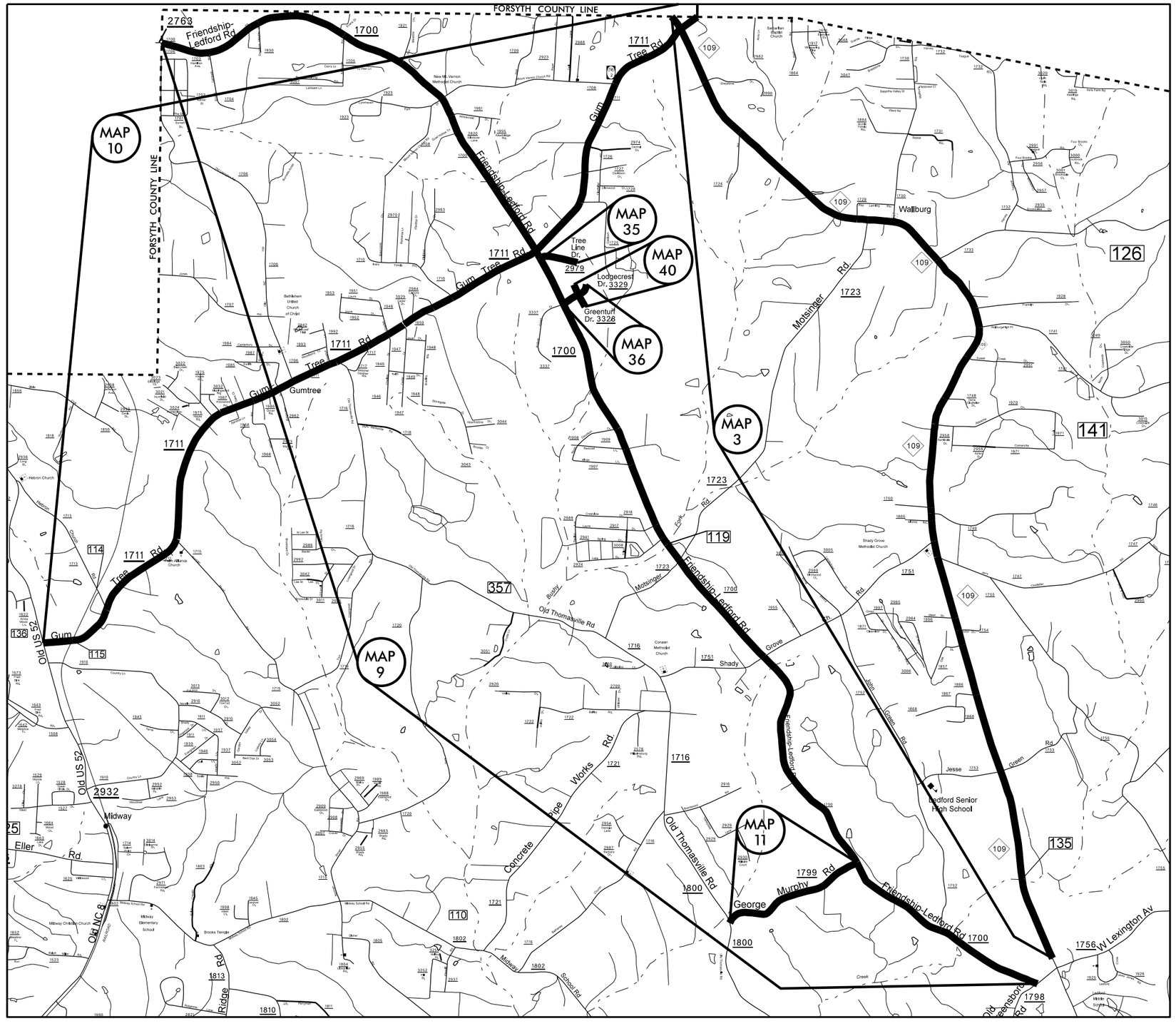
MAP 33
Kaylan Lane SR 2834
NO MILL
NO THERMO
Pave 1½" S9.5B

MAP 34
Heritage Court SR 2835
NO MILL
NO THERMO
Pave 1½" S9.5B

DAVIDSON COUNTY
NORTH CAROLINA

Project Note: Installation of signal loops will be handled by state forces.

PROJECT REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291 2020CPT.09.02.20291	2



MAP 3
NC 109
Mill 1½" Depth
Pave 1½" S9.5C
Mill and Pave Same day.

MAP 9
Friendship–Ledford SR 1700
Mill 1½" Depth
Pave 1½" S9.5C

MAP 10
Gumtree Rd. SR 1711
DO NOT MILL AND
DO NOT PAVE OVER BRIDGE#115
OVER WS SB RXR
Mill 1½" Depth
Skip NC 109 and tie int new surface at NC 109.
NC 109 IS THE THROUGH MOVEMENT.
DO NOT MILL AND
DO NOT PAVE THROUGH
NC 109 INTERSECTION.
Pave 1½" S9.5C.
Replace STOP AHEAD Pavement Markings in both directions.

MAP 11
George Murphy Rd. SR 1799
Butt Mill ends of Map.
Pave back with S9.5B, 2" in middle of road 1½" at edge of pavement.

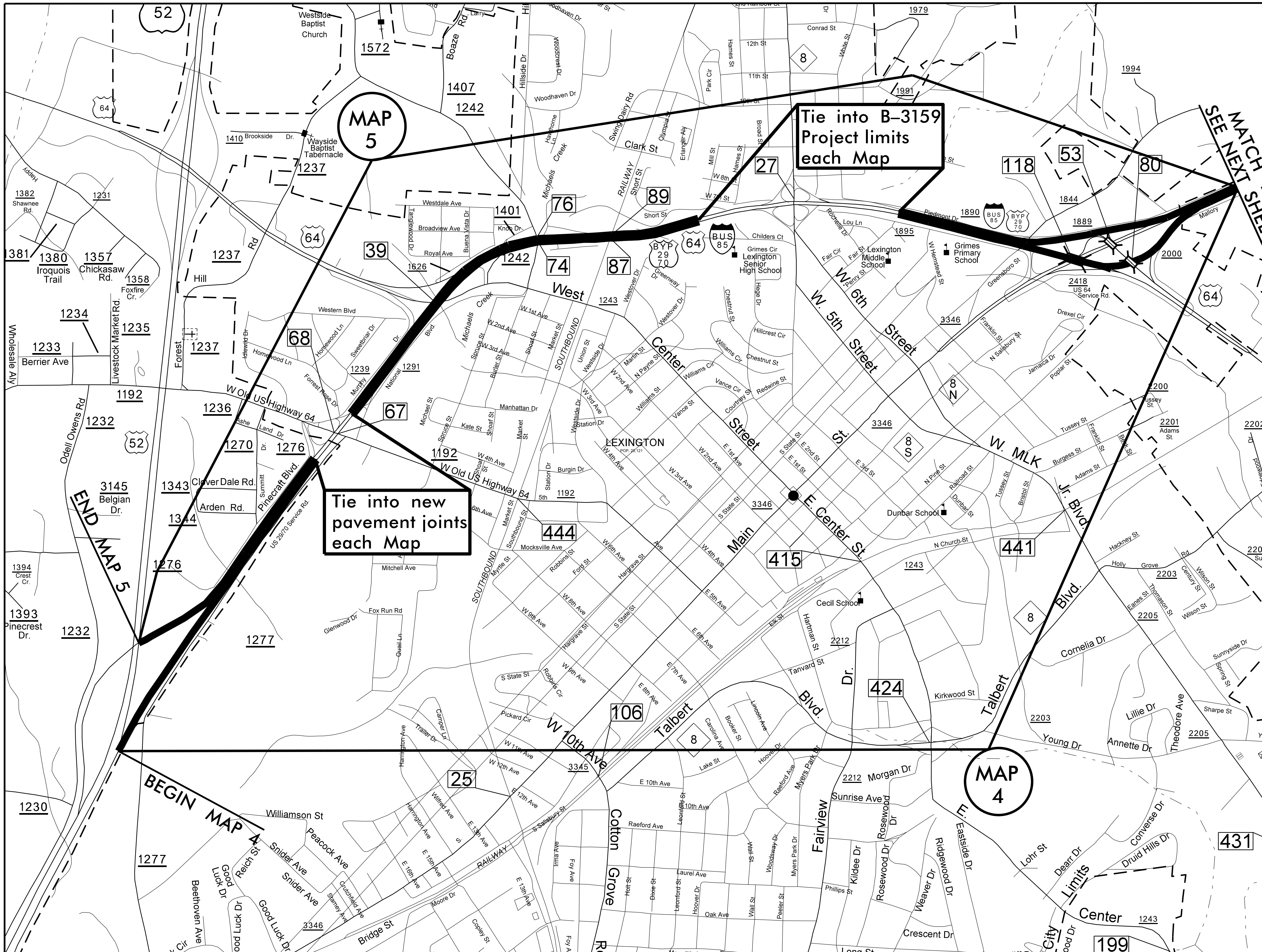
MAP 35
Tree Line Dr. SR 2979
NO MILL
NO THERMO
Pave 1½" S9.5B
NO Shoulder Reconstruction

MAP 36
Greenturf Dr. SR 3328
NO MILL
NO THERMO
Pave 1½" S9.5B
NO Shoulder Reconstruction

MAP 40
Lodgecrest Dr. SR 3329
NO MILL
NO THERMO
Pave 1½" S9.5B
NO Shoulder Reconstruction

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291 2020CPT.09.02.20291	3



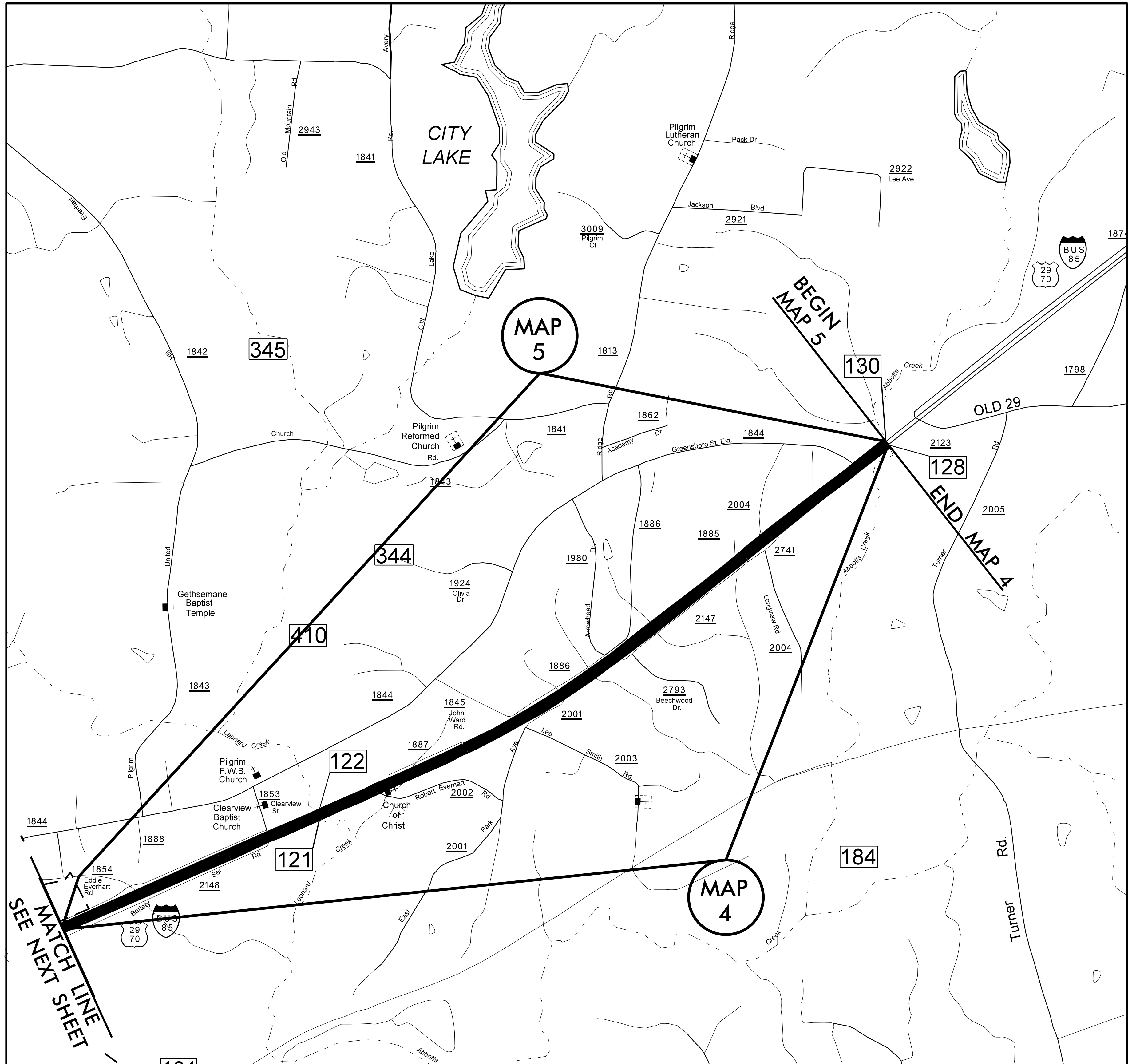
MAP 4
Bus I–85/
US29/70 North Bound
Mill 1½" Depth
Pave 1½" S9.5C

MAP 5
Bus I–85/
US29/70 South Bound
1½" Depth
Pave 1½" S9.5C

ALL WORK ON THESE MAPS TO BE NIGHT TIME ONLY 8 P.M. TO 6 A.M., Monday–Sunday.

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291 2020CPT.09.02.20291	4



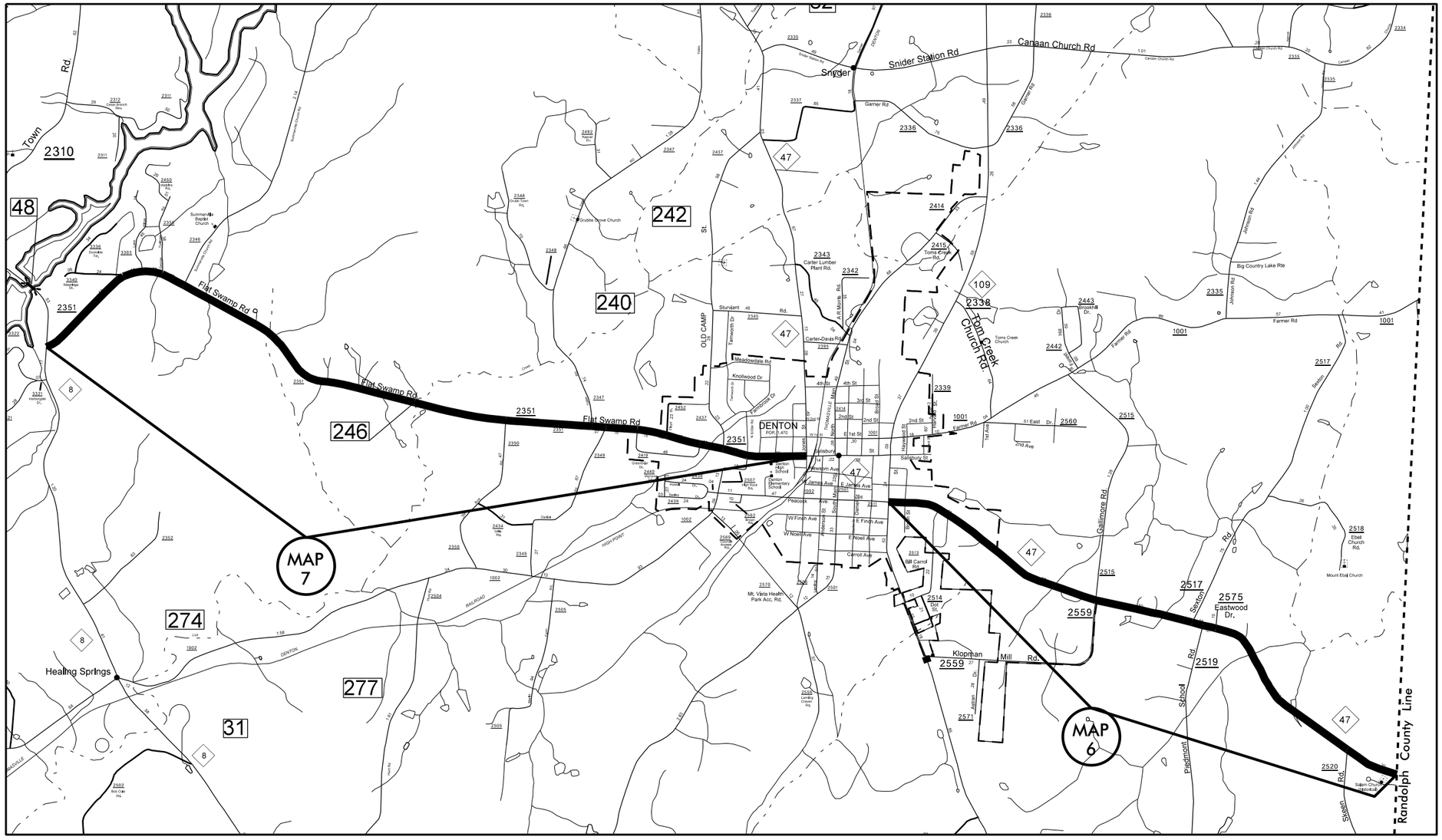
MAP 4
Bus 85/
US29/70 North Bound
Mill 1½" Depth
Pave 1½" S9.5C

MAP 5
Bus 85/
US29/70 South Bound
1½" Depth
Pave 1½" S9.5C

ALL WORK ON THESE MAPS
TO BE NIGHT TIME ONLY
8 P.M. TO 6 A.M.,
Monday–Sunday.

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291 2020CPT.09.02.20291	5

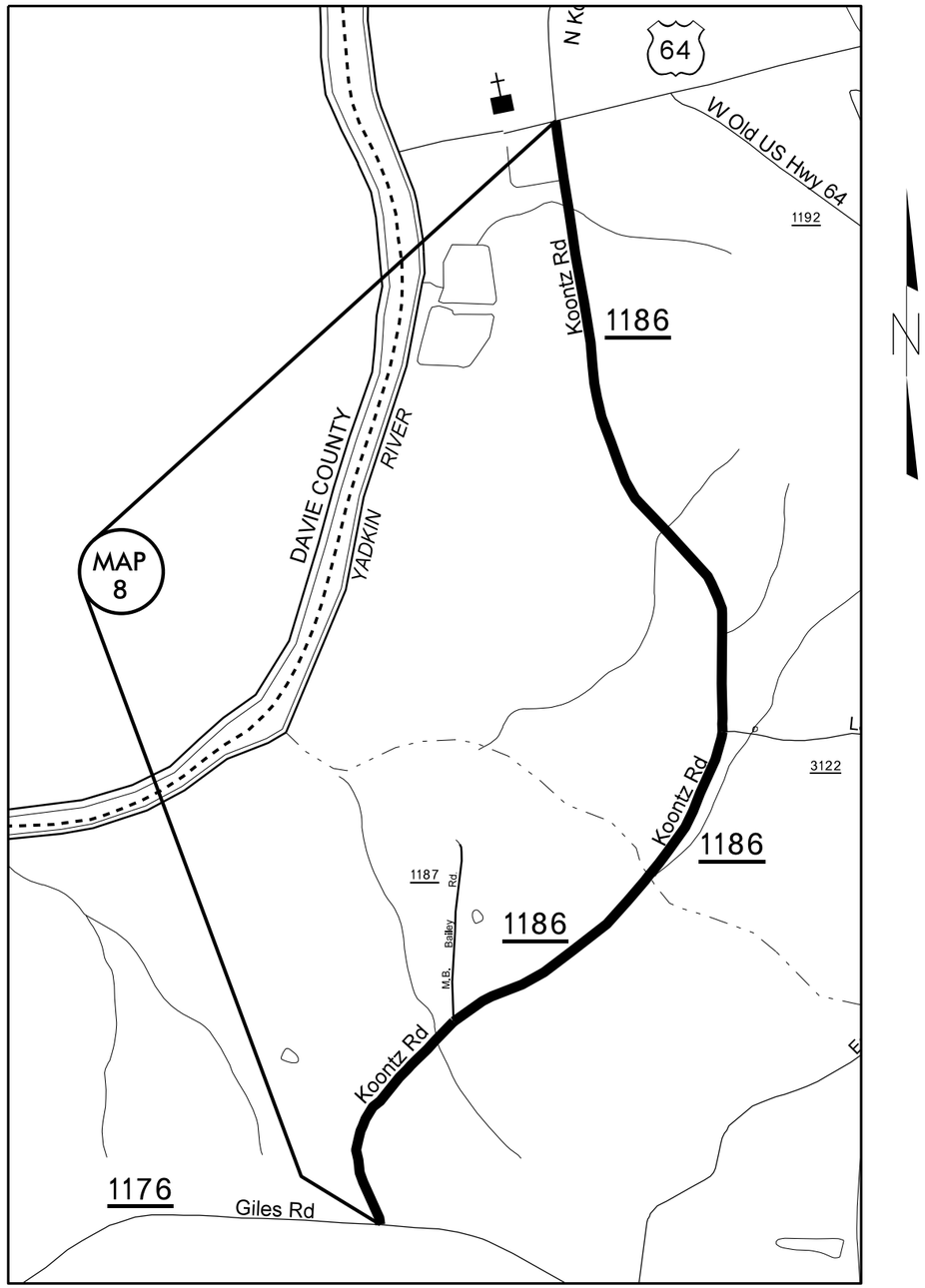


MAP 6
NC 47
Mill 1½" Depth
Pave 1½" S9.5C

MAP 7
Flat Swamp Rd./
W. Salisbury St. SR 2351
Butt Mill ends of Map.
Mill 1½" Depth in curb section
Pave 1½" S9.5C

DAVIDSON COUNTY
NORTH CAROLINA

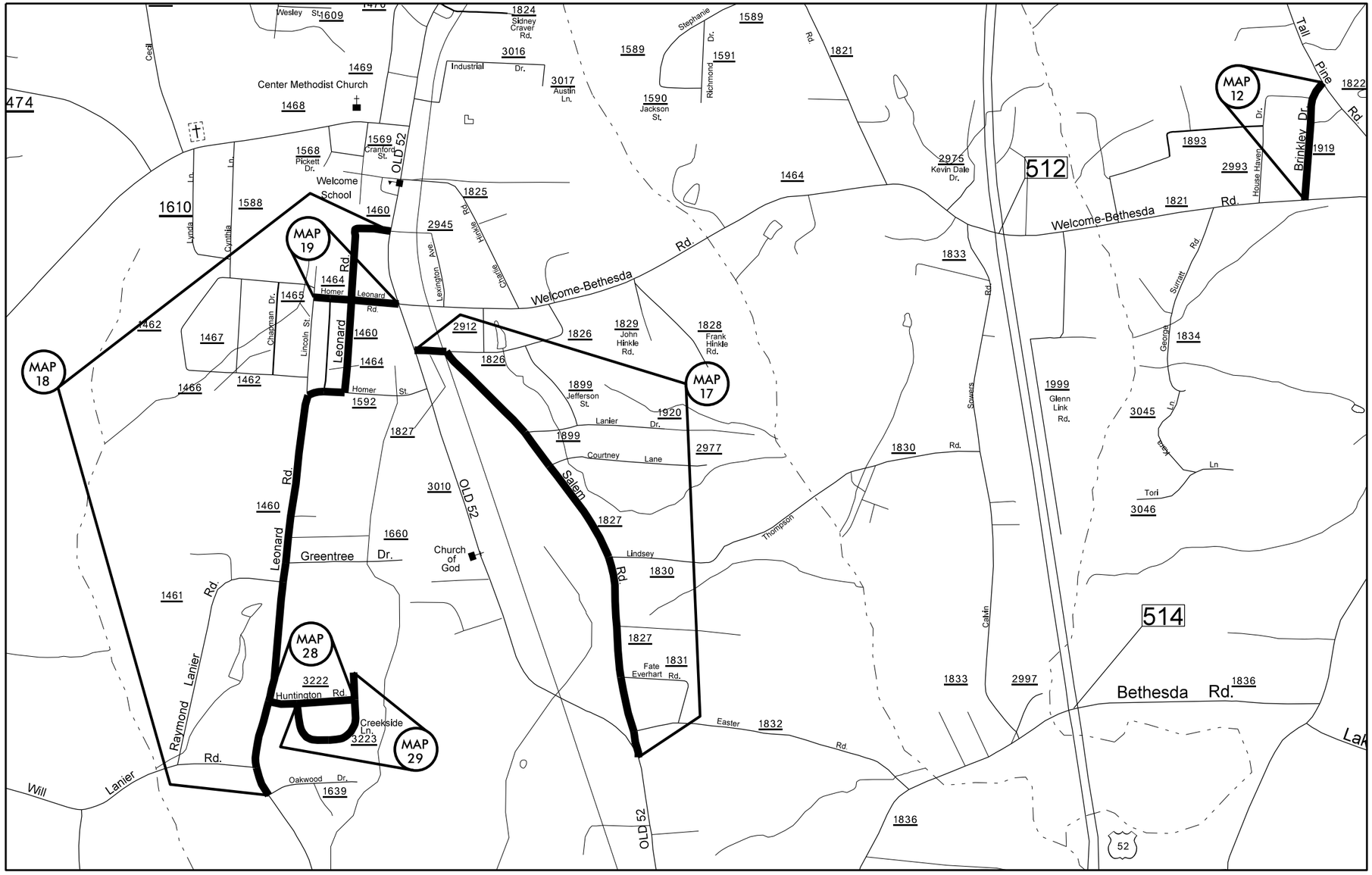
PROJECT REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291 2020CPT.09.02.20291	6



MAP 8
Koontz Rd. SR 1186
Widen to 22 ft.
Mill 5½" depth 3 ft. Each side,
2 ft. into existing pavement,
1 ft. of shoulder.
Pave 3 ft. widening with 5½" B25.0C
Overlay new width with 1½" S9.5B

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291 2020CPT.09.02.20291	7



MAP 12
Brinkley Dr. SR 1919
NO MILLING
Pave 2" S9.5B
Tie down ends of Map.

MAP 17
Salem Rd. SR 1827
Pave to pvmt. jt. at Old US 52
Mill 1½" Depth.
Pave 2" S9.5B

MAP 18
Leonard Rd. SR 1460
Butt Mill ends of Map.
Pave 1½" S9.5B
Tie into Lincoln St. and new surfaces at Huntington Rd. and Homer Leonard Rd.

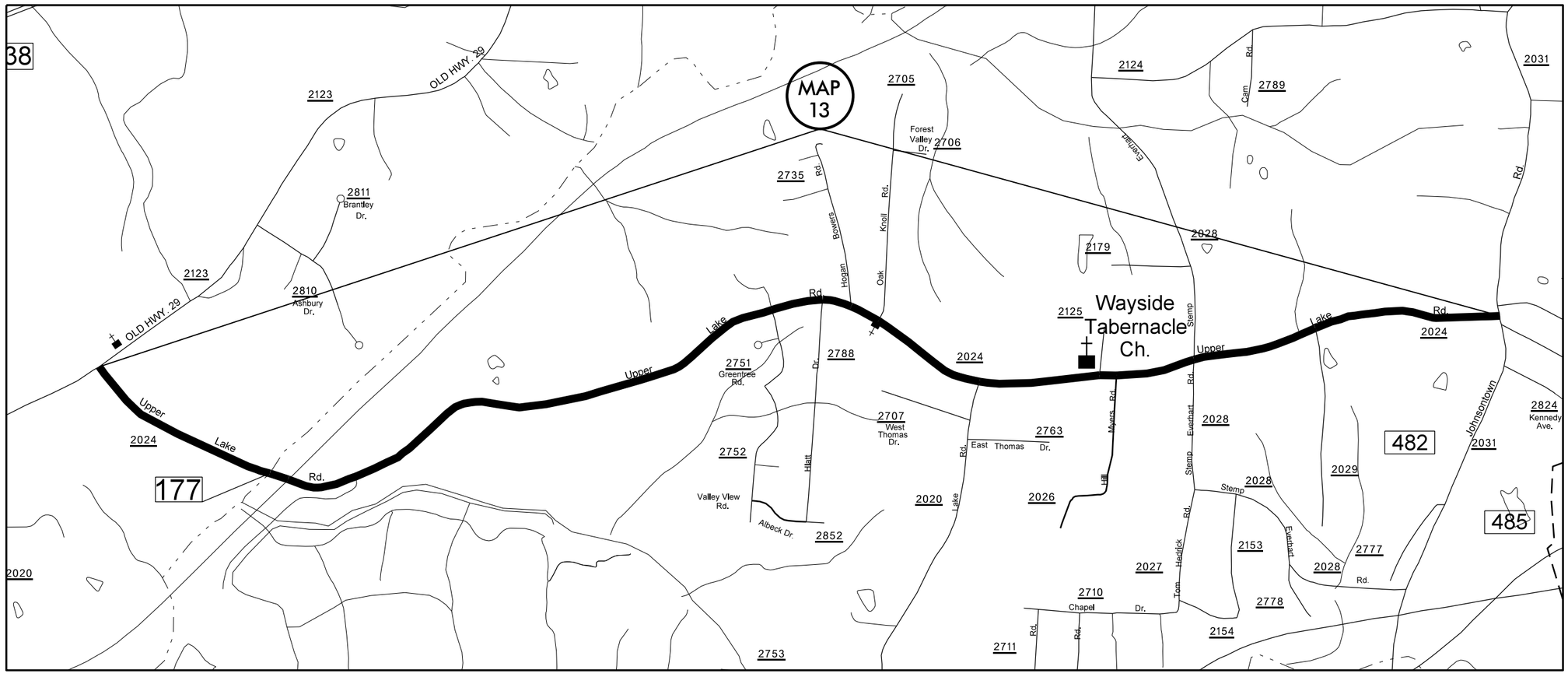
MAP 19
Homer Leonard Rd. SR 1464
Tie down ends of Map.
NO MILLING
Pave 1½" S9.5B
Skip over paving at Leonard Rd.
Tie into new surface at Leonard Rd.

MAP 28
Huntington Rd. SR 3222
Tie down ends of Map.
NO MILLING
NO THERMO
Pave 1½" S9.5B
NO Shoulder Reconstruction

MAP 29
Creekside Lane SR 3223
Tie down ends of Map.
NO MILLING
NO THERMO
Pave 1½" S9.5B
NO Shoulder Reconstruction

DAVIDSON COUNTY
NORTH CAROLINA

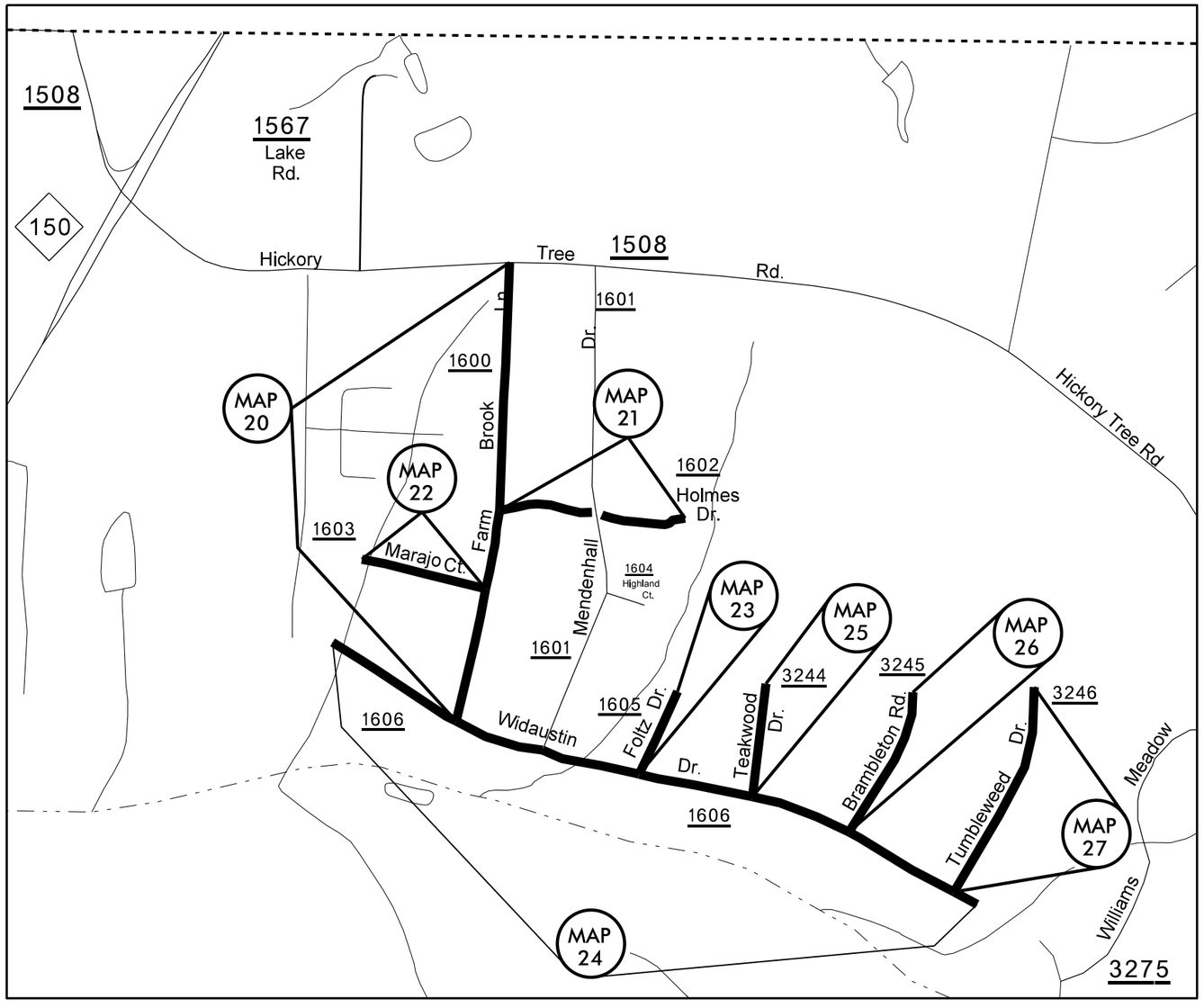
PROJECT REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291 2020CPT.09.02.20291	8



MAP 13
Upper Lake Rd. SR 2024
Mill 1½" Depth.
Pave 2" S9.5C

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291 2020CPT.09.02.20291	9



MAP 20
Farmbrook Lane SR 1600
NO MILL
NO THERMO
Pave 1½" S9.5B

MAP 21
Holmes Dr. SR 1602
NO MILL
NO THERMO
NO Shoulder Reconstruction
Pave 1½" S9.5B
DO NOT PAVE THROUGH MENDENHALL DR.

MAP 22
Marajo Court SR 1603
NO MILL
NO THERMO
Pave 1½" S9.5B
NO Shoulder Reconstruction

MAP 23
Foltz Dr. SR 1605
NO MILL
NO THERMO
Pave 1½" S9.5B
NO Shoulder Reconstruction

MAP 24
Widaustin Dr. SR 1606
NO MILL
NO THERMO
Pave 1½" S9.5B
NO Shoulder Reconstruction

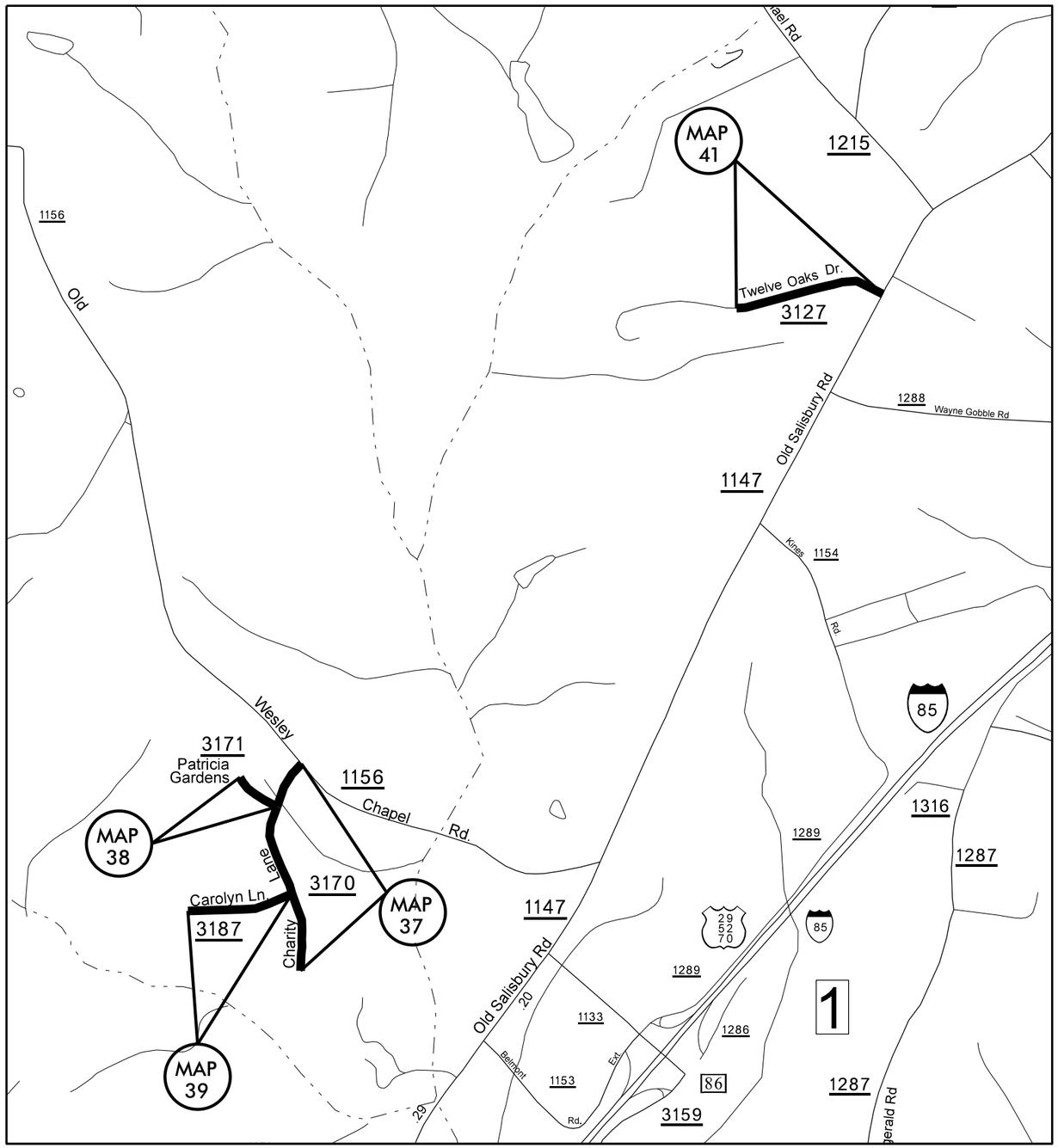
MAP 25
Teakwood Dr. SR 3244
NO MILL
NO THERMO
Pave 1½" S9.5B
NO Shoulder Reconstruction

MAP 26
Brambleton Rd. SR 3245
NO MILL
NO THERMO
Pave 1½" S9.5B
NO Shoulder Reconstruction

MAP 27
Tumbleweed Dr. SR 3246
NO MILL
NO THERMO
Pave 1½" S9.5B
NO Shoulder Reconstruction

DAVIDSON COUNTY
NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291 2020CPT.09.02.20291	10



MAP 37
Charity Lane SR 3170
NO MILLING
NO THERMO
Pave 1½" S9.5B
Tie down ends of Map.
NO Shoulder Reconstruction

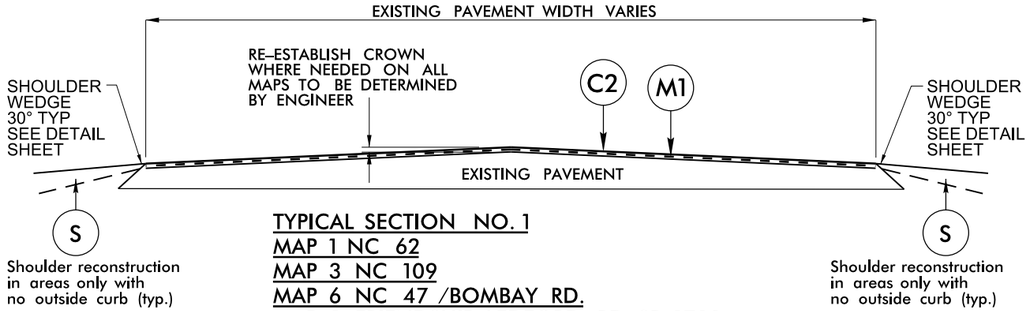
MAP 38
Patricia Gardens SR 3171
NO MILLING
NO THERMO
Pave 1½" S9.5B
Tie down ends of Map.
NO Shoulder Reconstruction

MAP 39
Carolyn Lane SR 3187
NO MILLING
NO THERMO
Pave 1½" S9.5B
Tie down ends of Map.
NO Shoulder Reconstruction

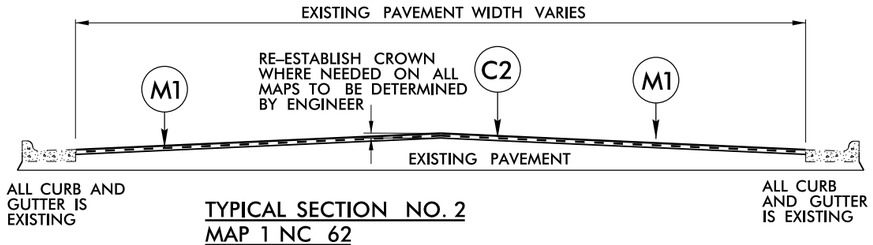
MAP 41
Twelve Oaks Dr. SR 3127
NO MILLING
NO THERMO
Pave 1½" S9.5B
Tie down ends of Map.
NO Shoulder Reconstruction

DAVIDSON COUNTY
NORTH CAROLINA

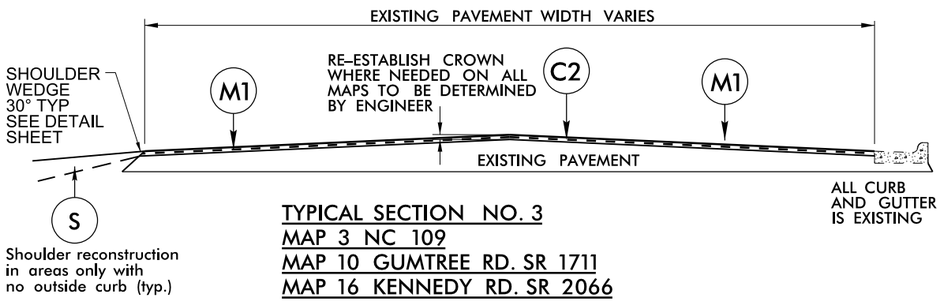
PROJECT REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291 2020CPT.09.02.20291	11



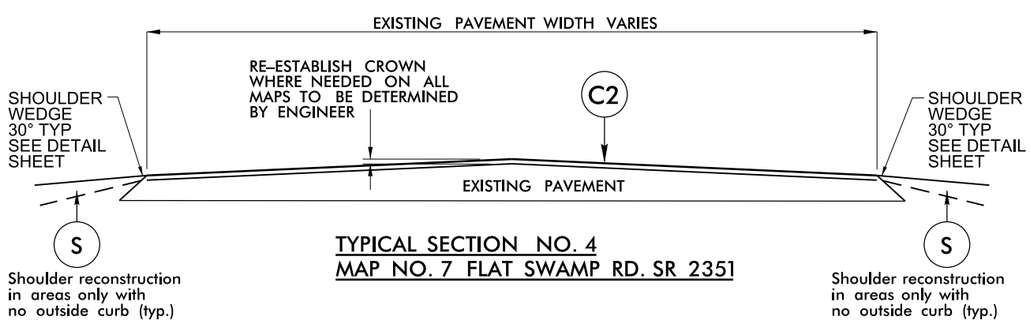
TYPICAL SECTION NO. 1
MAP 1 NC 62
MAP 3 NC 109
MAP 6 NC 47 /BOMBAY RD.
MAP 9 FRIENDSHIP LEDFORD RD. SR 1700
MAP 10 GUMTREE RD. SR 1711
MAP 14 FISHER FERRY SR 2183
MAP 16 KENNEDY RD. SR 2066



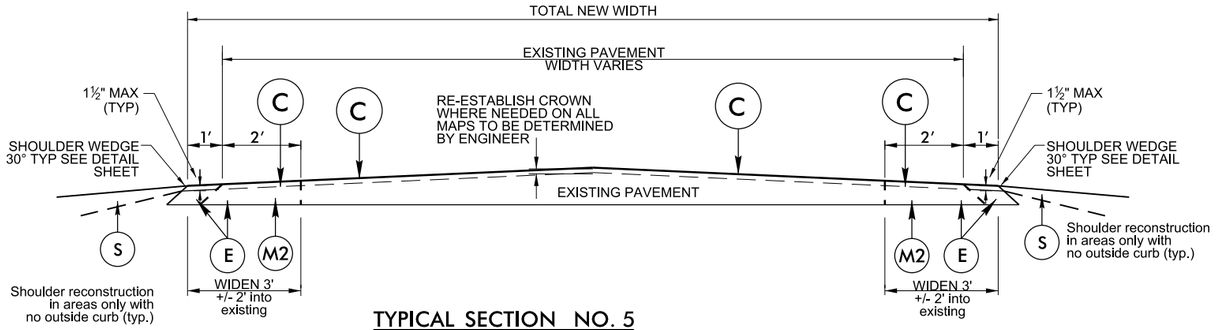
TYPICAL SECTION NO. 2
MAP 1 NC 62
MAP 2 NC 109
MAP 6 NC 47 /BOMBAY RD.
MAP 7 FLAT SWAMP RD. SR 2351
MAP 14 FISHER FERRY SR 2183
MAP 15 LIBERTY DR. SR 2055



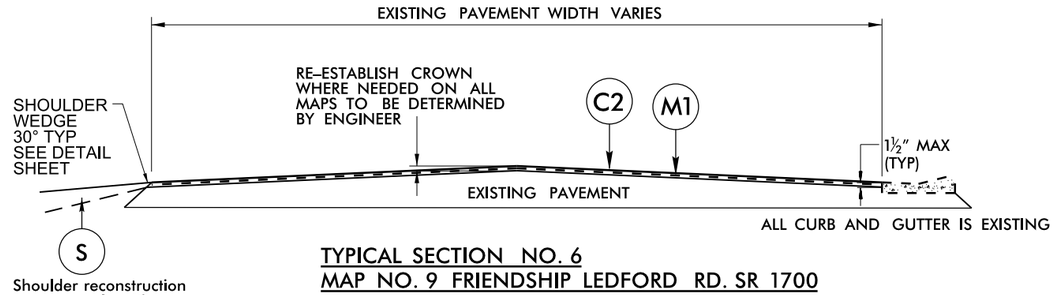
TYPICAL SECTION NO. 3
MAP 3 NC 109
MAP 10 GUMTREE RD. SR 1711
MAP 16 KENNEDY RD. SR 2066



TYPICAL SECTION NO. 4
MAP NO. 7 FLAT SWAMP RD. SR 2351



TYPICAL SECTION NO. 5
MAP NO. 8 Koontz Rd. SR 1186



TYPICAL SECTION NO. 6
MAP NO. 9 FRIENDSHIP LEDFORD RD. SR 1700

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 S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
C4	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 220 LBS PER SQ YD.
E	PROP. APPROX. 5½" ASPHALT CONCRETE SURFACE COURSE, TYPE B25.0C, TO BE APPLIED AT AN AVERAGE RATE OF 627 LBS PER SQ YD.
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
M2	MILL ASPHALT PAVEMENT, 5½" DEPTH
P	PRIME COAT AT THE RATE OF .35 GAL. PER SQ. YD.
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

PROJECT REFERENCE NO.	SHEET NO.
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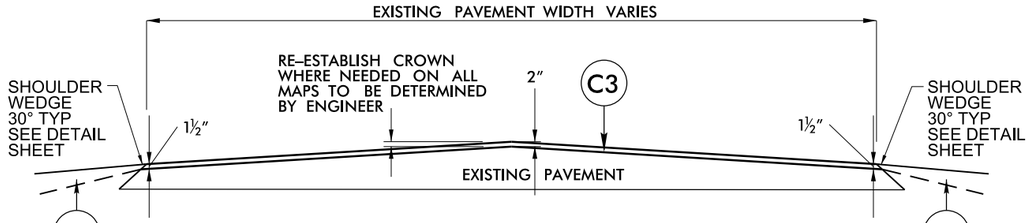
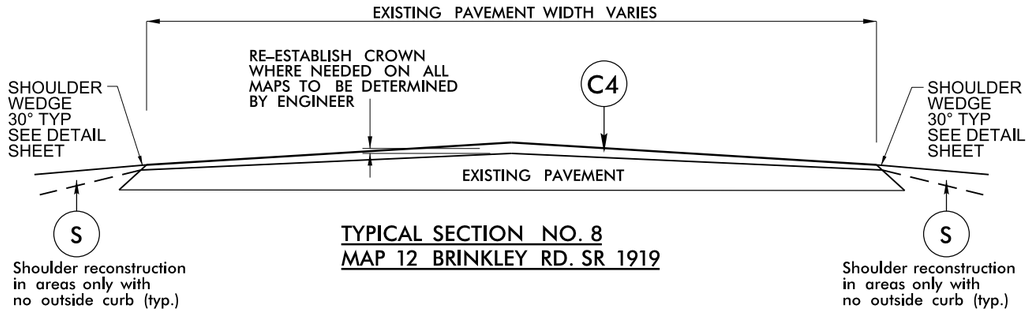
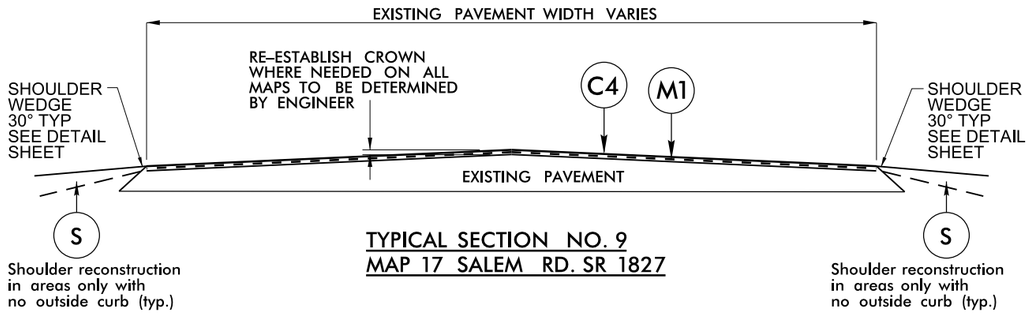


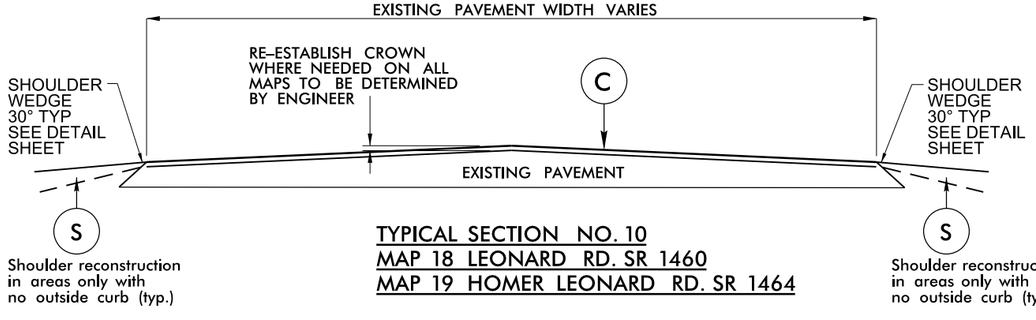
TYPICAL SECTION NO. 7
MAP 11 GEORGE MURPHY RD. SR 1799



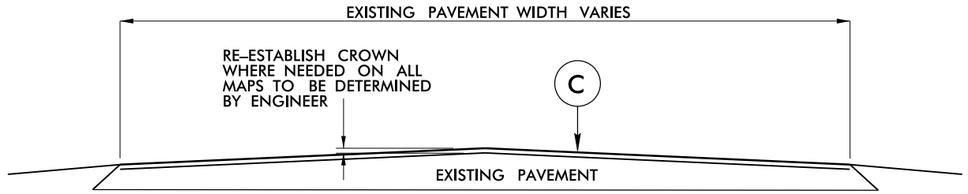
TYPICAL SECTION NO. 8
MAP 12 BRINKLEY RD. SR 1919



TYPICAL SECTION NO. 9
MAP 17 SALEM RD. SR 1827

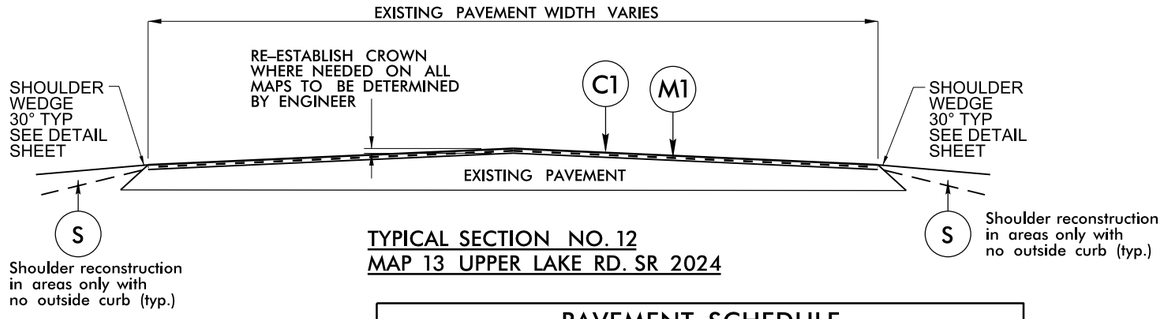


TYPICAL SECTION NO. 10
MAP 18 LEONARD RD. SR 1460
MAP 19 HOMER LEONARD RD. SR 1464



TYPICAL SECTION NO. 11

MAP 20 FARMBROOK LN. SR 1600
MAP 21 HOLMES DR. SR 1602
MAP 22 MARAJO CT. SR 1603
MAP 23 FOLTZ DR. SR 1605
MAP 24 WID AUSTIN DR. SR 1606
MAP 25 TEAKWOOD DR. SR 3244
MAP 26 BRAMBLETON RD. SR 3245
MAP 27 TUMBLEWEED DR. SR 3246
MAP 28 HUNTINGTON RD. SR 3222
MAP 29 CREEKSIDE LN. SR 3223
MAP 32 GAME TRAIL SR 2806
MAP 33 KAYLON LANE SR 2834
MAP 34 HERITAGE CT. SR 2835
MAP 35 TREELINE DR. SR 2979
MAP 36 GREENTURF DR. SR 3328
MAP 37 CHARITY LN. SR 3170
MAP 38 PATRICIA GARDENS SR 3171
MAP 39 CAROLYN LANE SR 3187
MAP 40 LODGECREST DR. SR 3329
MAP 41 TWELVE OAKS DR. SR 3127



TYPICAL SECTION NO. 12
MAP 13 UPPER LAKE RD. SR 2024

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 S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
C4	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 220 LBS PER SQ YD.
E	PROP. APPROX. 5½" ASPHALT CONCRETE SURFACE COURSE, TYPE B25.0C, TO BE APPLIED AT AN AVERAGE RATE OF 627 LBS PER SQ YD.
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
M2	MILL ASPHALT PAVEMENT, 5½" DEPTH
P	PRIME COAT AT THE RATE OF .35 GAL. PER SQ. YD.
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

PROJECT REFERENCE NO.	SHEET NO.
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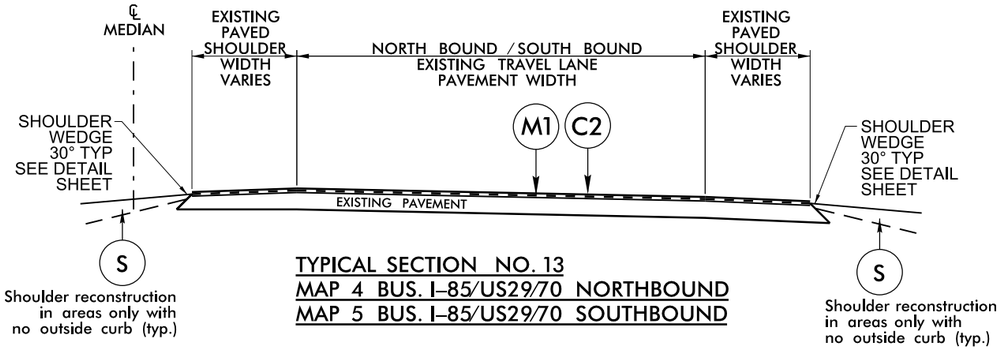
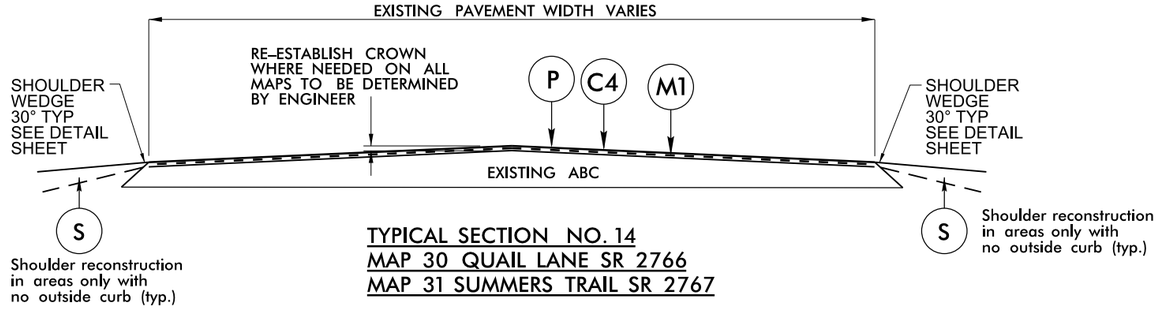
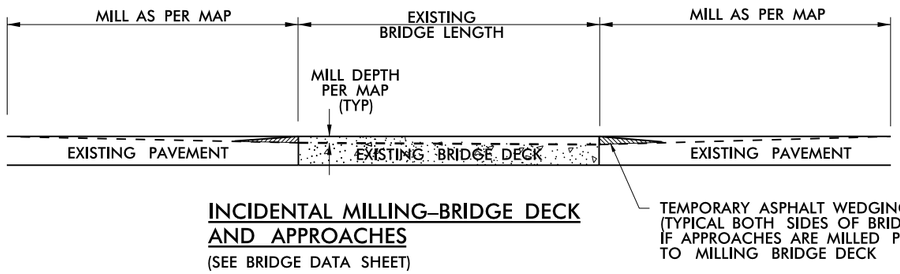


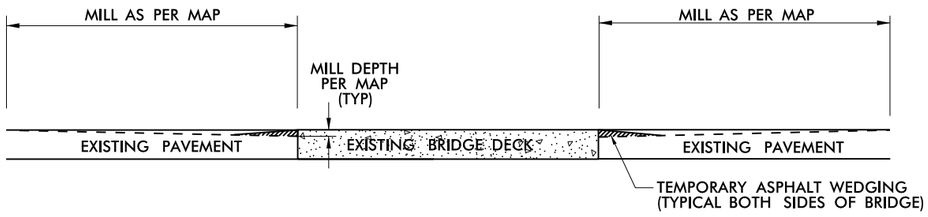
TYPICAL SECTION NO. 13
MAP 4 BUS. I–85/US29/70 NORTHBOUND
MAP 5 BUS. I–85/US29/70 SOUTHBOUND



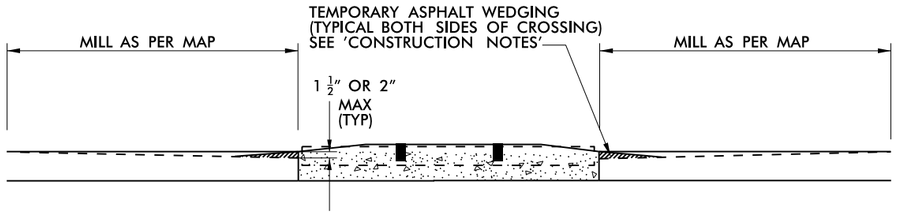
TYPICAL SECTION NO. 14
MAP 30 QUAIL LANE SR 2766
MAP 31 SUMMERS TRAIL SR 2767



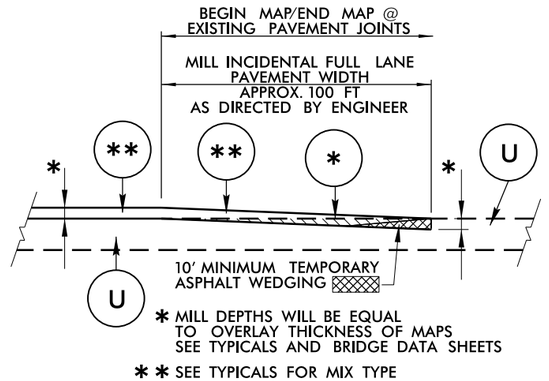
INCIDENTAL MILLING–BRIDGE DECK AND APPROACHES
(SEE BRIDGE DATA SHEET)



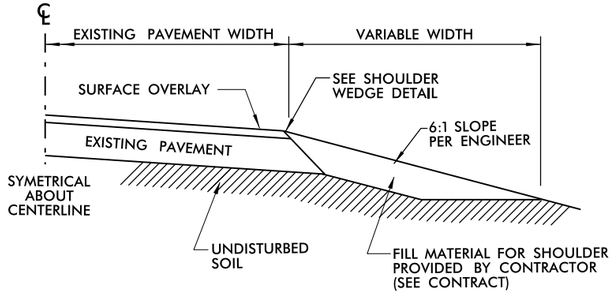
INCIDENTAL MILLING–BRIDGE APPROACHES
(SEE BRIDGE DATA SHEET)



INCIDENTAL MILLING–RAILROAD CROSSING APPROACHES



INCIDENTAL MILLING AT TIE–IN DETAIL



SHOULDER RECONSTRUCTION

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 S9.5B, AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
C4	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 220 LBS PER SQ YD.
E	PROP. APPROX. 5½" ASPHALT CONCRETE SURFACE COURSE, TYPE B25.0C, TO BE APPLIED AT AN AVERAGE RATE OF 627 LBS PER SQ YD.
M1	MILL ASPHALT PAVEMENT, 1½" DEPTH
M2	MILL ASPHALT PAVEMENT, 5½" DEPTH
P	PRIME COAT AT THE RATE OF .35 GAL. PER SQ. YD.
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT

PROJECT REFERENCE NO.	SHEET NO.
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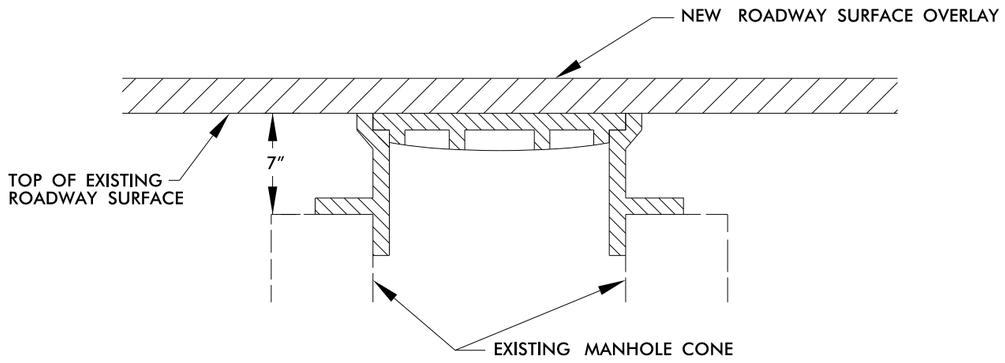
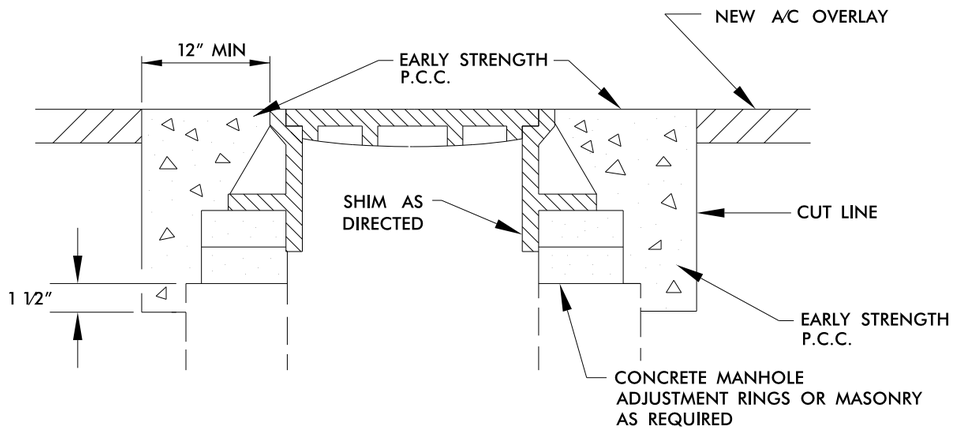


STEP 1



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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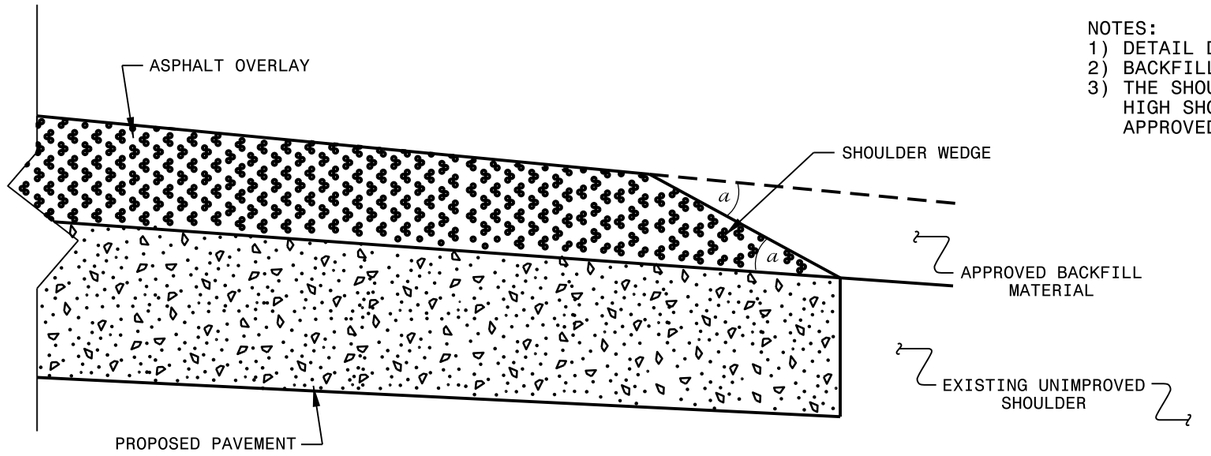
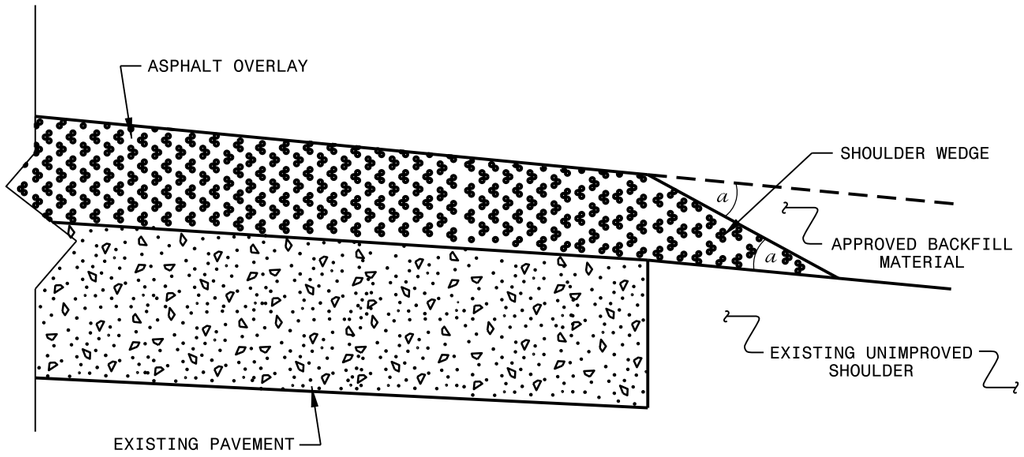


NOTES:
1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.

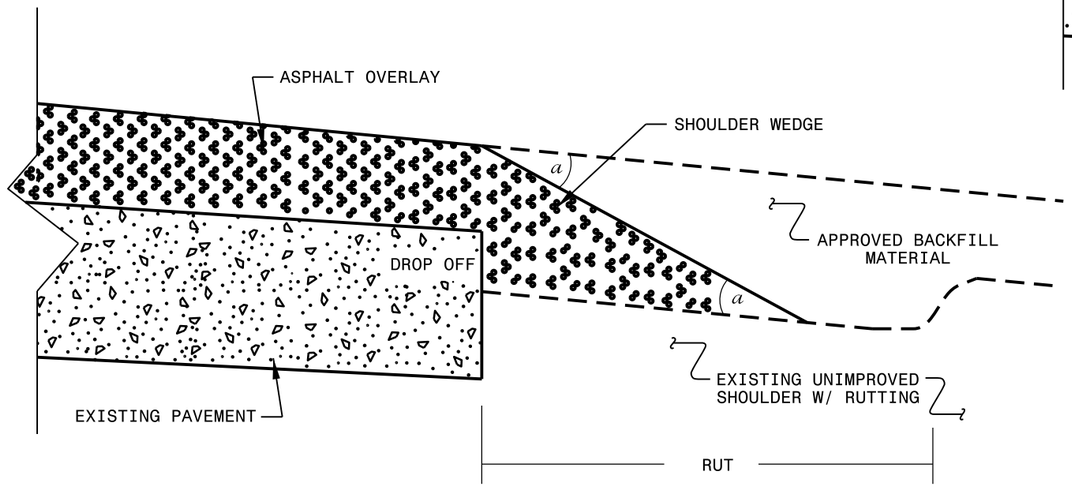
SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ Widening or with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

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

SHOULDER WEDGE DETAILS

ORIGINAL BY: T.SPELL DATE: 7-19-11
MODIFIED BY: DATE: 2/2/16
CHECKED BY: DATE:
FILE SPEC.: s:usr/details/stand/shoulderwedgedetail.dgn

22-JAN-2018 09:41
S:\Contracts\Contracts\Resurfacing Projects\Division 4\I-5937 Wilson March 2018\Revised Shoulder Wedge Detail.dgn
pporter AI CSD-29252

2020 Resurfacing Bridges

PROJECT NO.	SHEET NO.	TOTAL NO.
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Map No.	Route No.	Route Name	Bridge No.	Feature Intersected	Floor Construction	Clear Roadway Width (Ft)	Horizontal Clearance Under (Ft.)	Vertical Clearance Under	Length (Ft)	Posting	Recommended Treatment, From Bridge Maintenance	COMMENTS
2	NC 109	NC 109	109	US29&70/ I85 BUS LOOP	5 3/8 RC, 3 1/2 PPC	94.4	NA	NA	177	NA	**MILL APPROACHES; DO NOT MILL DECK**	
3	NC 109	NC 109	135	ABBOTTS CREEK	8 1/4 RC SLAB	39.9	NA	NA	152	NA	**MILL APPROACHES; DO NOT MILL DECK**	
4	I85 BUS NBL	US 29 & 70/I85 BUS N.	67	SR 1192	6.5 RC 4 AWS	30	42	16FT 4 IN	115	NA	**MILL AND PAVE**	Future TIP Project BR-0015 Let 1/1/2021
5	I85 BUS SBL	US 29 & 70/I85 BUS SB	68	SR 1192	6.5 SLAB 4 AWS	30	N/A	14FT 3 IN	115	NA	**MILL AND PAVE**	Future TIP Project BR-0015 Let 1/1/2021
4,5	I85 BUS NBL	US 64 EBL & RAMP WBL	39	US 29 & 70/I85 BUS LOOP	8.25 RC	43.667	49.334	17.417 FT	191	NA	**CLEARANCE INFO. ONLY NOT WITHIN PAVING LIMITS**	
4	I85 BUS NBL	US 29 & 70/I85 BUS LOOP	74	SR 1242 & MICHAELS CREEK	9" RC SLAB	50.5	48	15FT 10 IN	138	NA	**MILL APPROACHES; DO NOT MILL DECK**	
5	I85 BUS SBL	US 29 & 70/I85 BUS SB	76	SR 1242 & MICHAELS CREEK	9" RC SLAB	50.5	36	19FT 01 IN	138	NA	**MILL APPROACHES; DO NOT MILL DECK**	
4	I85 BUS NBL	US 29 & 70/I85 BUS LOOP	87	WSSB RAILROAD	6 3/4 RC 5 AWS	30	N/A	22FT 06 IN	143	NA	**MILL AND PAVE**	
5	I85 BUS SBL	US 29 & 70/I85 BUS LOOP	89	WSSB RAILROAD	6.75 RC 5 AWS	30	N/A	22FT 08 IN	143	NA	**MILL AND PAVE**	
4,5	I85 BUS NBL/SBL	NC 8	27	US 29 & 70/I85 BUS LOOP	9.25"RC	87'	47'	16.83'	151'	NA	**New Bridge #27 - Ties to B-3159 Paving limits Pave to project limits**	
4	I85 BUS NBL	US 29 & 70/I85 NBL	118	US 29 & 70 BUS/I85 BUS NBL	6.5 RC 5 AWS	30	41.3	14FT 04 IN NBL, 14FT 11 IN SR3346 SB	260	NA	**MILL AND PAVE**	
4	I85 BUS NBL	US 64 WBL	80	US 29 & 70 NBL/I85 BUS	6.75 RC 3 AWS	28	N/A	14FT 03 IN	130	NA	**MAINTAIN CLEARANCE NO PAVING**	
4	I85 BUS NBL	US 29 & 70/I85 NBL	121	LEONARD CREEK	7 RC 5 AWS	30	N/A	NA	128	NA	**MILL AND PAVE**	TIP B-5785 Let 4/20/2021
5	I85 BUS SBL	US 29 & 70/I85 NBL	122	LEONARD CREEK	7 RC 4.5 AWS	30	N/A	NA	128	NA	**MILL AND PAVE**	TIP B-5785 Let 4/20/2021
4	I85 BUS NBL	US 29 & 70/I85 NBL	128	ABBOTTS CREEK	8 1/4" RC SLAB	35.8	N/A	NA	220	NA	**MILL APPROACHES; DO NOT MILL DECK**	
5	I85 BUS SBL	US 29 & 70/I85 NBL	130	ABBOTTS CREEK	8 1/4" RC SLAB	35.8	N/A	NA	220	NA	**MILL APPROACHES; DO NOT MILL DECK**	
7	SR 2351	FLAT SWAMP	246	LICK CREEK	PPCCS, **4.75"** AWS	29.3	NA	NA	91	NA	**MILL AND PAVE**	Replacement Div Let 10/13/2021
9	SR 1700	FRIENDSHIP LEDFOR RD.	119	BUSHY FORK CREEK	PPCCS, 4.0 AWS	27	NA	NA	72	NA	**MILL AND PAVE**	
10	SR 1711	GUMTREE RD.	115	WINSTON SALEM SB. RR.	STL. PLK., 3.5 AWS	27.8	NA	NA	125	SV 32 TTST 32	**MILL APPROACHES; DO NOT MILL DECK DO NOT PAVE**	TIP B-5765 Replacement Let 1/21/2020
13	SR 2024	UPPER LAKE RD.	177	R X R	CONC	33.9'	NA	NA	483'	NA	**MILL APPROACHES; DO NOT MILL DECK**	
14	SR 2183	FISHER FERRY ST.	469	HAMBYS CREEK	12 RC SLAB, 3WS	25	NA	NA	30	NA	**MILL AND PAVE**	Div Bridge Replacement Let 3/25/2020
14	SR 2183	FISHER FERRY ST.	492	I-85	8.5 RC SLAB	52	NA	NA	261	NA	**MILL APPROACHES; DO NOT MILL DECK**	
19	SR 2055	LIBERTY ST.	481	I-85	8.5 RC SLAB	52	NA	NA	261	NA	**MILL APPROACHES; DO NOT MILL DECK**	

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SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BORROW EXCAVATION	INC. STONE BASE	SHOULDER RECONSTRUCTION	PRIME COAT	MILLING 1-1/2"DEPTH	MILLING 5-1/2" DEPTH	INC. MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ADJ. OF DROP INLETS	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOXES	PORTABLE LIGHTING	TEMP. SILT FENCE	WATTLE
										MI	FT	CY	TONS	SMI	GAL	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	EA	EA	EA	LS	LF	LF
2020CPT.09.01.10291	Davidson	1	NC 62	PVMT JT AT REGENCY INDUSTRIAL BLVD. TO E.O.P. AT NC 109	1,2	4	2WU	NO	NO	1.007	24-48	79	27	1.32		14,863					1,443	87	20	1	8	9		263	26
		2	NC 109	NC 62 TO BUSINESS I-85 BRIDGE #109	2	2	2WU	NO	NO	2.719	26-60					68,101					6,598	396		11	54	60			
		3	NC 109	FORSYTH CO. LINE TO BEGINNING OF CONCRETE ISLAND NORTH OF OLD GREENSBORO RD. SR 1798	1,3	2	2WU	NO	NO	6.253	22-47	750	435	12.51		102,218					9,919	595	20	1	1	23		2,501	250
		4	BUS. I-85/US29/70 NORTH BOUND LANE	FROM CONCRETE PVT JT EAST OF US 52 INTERCHANGE TO BRIDGE # 128 OVER ABBOTTS CREEK	13	2	MD	NO	NO	5.076	28-41	725		12.09		144,851					11,117	667					*	2,418	215
		5	BUS. I-85/US29/70 SOUTH BOUND LANE	FROM BRIDGE # 130 OVER ABBOTTS CREEK TO CONCRETE PVT JT EAST OF US 52 INTERCHANGE	13	2	MD	NO	NO	4.796	28-41	695		11.58		130,014					9,778	587				1	*	2,316	232
		6	NC 47/BOMBAY RD.	RANDOLPH CO. LINE TO NC 109/GLENN ST.	1,2	2	2WU	NO	NO	3.041	24-40	700	189	5.83		44,271					4,298	258	20	1	3	1		2,332	233
TOTAL FOR PROJ NO. 2020CPT.09.01.10291										**22.892**		**2,949**	**651**	**43.33**		**504,318**					**43,153**	**2,590**	**60**	**14**	**66**	**94**	**1**	**9,830**	**956**
		7	FLAT SWAMP ROAD SR 2351	FROM NC 8 TO PVMT. JT. AT NC 47/JONES ST.	2,4	2	2WU	NO	NO	4.197	20-44	468	345	7.80		8,040		1,762			5,226	314			7	7		1,560	156
		8	KOONTZ RD. SR 1186	US 64 TO E.O.P. AT GILES RD. SR 1176	5	2	2WU	NO	NO	2.104	22	252	174	4.21			7,406		2,874	2,591		303						842	84
		9	FRIENDSHIP-LEDFORD RD. SR 1700	FORSYTH CO. LINE TO OLD GREENSBORO RD. SR 1798	1,6	2	2WU	NO	NO	8.138	20-34	977	513	16.28		106,731					10,368	622				12		3,255	326
		10	GUMTREE RD. SR 1711	FORSYTH CO. LINE TO OLD US 52 SR 2932	1,3	2	2WU	NO	NO	5.55	24-50	666	429	11.10		86,787					8,423	505				21		2,220	222
		11	GEORGE MURPHY SR 1799	OLD TYHOMASVILLE RD. SR 1800 TO FRIENDSHIP-LEDFORD RD. SR 1700	7	2	2WU	NO	NO	0.832	19-20	100	84	1.66				222		1,088		73				1		333	33
		12	BRINKLEY RD. SR 1919	WELCOME-BETHESDA RD. SR 1821 TO TALL PINES RD. SR 1822	8	2	2WU	NO	NO	0.247	18-20	30	36	0.49						351		24						99	10
		13	UPPER LAKE RD. SR 2024	OLD HWY. 29 SR 2123 TO JOHNSONTOWN RD. SR 2031	12	2	2WU	NO	NO	3.093	23-25	371	276	6.19		43,542					5,647	339				7		1,237	124
		14	FISHER FERRY ST. SR 2183	FROM E.O.P. AT MAIN ST. SR 2053 TO HARRIS FARM CT.	1,2	2	2WU	NO	NO	2.336	20-48	91	186	3.53		40,710					3,949	237		14	17	30		302	30
		15	LIBERTY ST. SR 2055	NC109 E.O.P. TO NC 62 E.O.P.	2	2	2WU	NO	NO	0.908	48-71					28,880					2,796	168			9	2			
		16	KENNEDY RD. SR 2066	FROM E.O.P. LIBERTY ST. TO FULLER MILL RD. SR 2091 (SOUTH OF INTERSECTION)	1,3	2	2WU	NO	NO	0.979	24-48	115	66	1.91		17,123					1,661	100						383	38
		17	SALEM RD. SR 1827	OLD US 52 SR 3010 TO OLD US 52 SR 3010	9	2	2WU	NO	NO	1.018	19-20	122	204	2.04		11,945				1,524		102				1		407	41
		18	LEONARD RD. SR 1460	FROM OLD US 52 SR 3010 TO OAKWOOD DR. SR 1639	10	2	2WU	NO	NO	1.343	18-19	161	171	2.69				422		1,430		96						537	54
		19	HOMER LEONARD SR 1464	OLD US 52 SR 3010 LINCOLN ST. SR 1465	10	2	2WU	NO	NO	0.162	18-19	19	21	0.33						172		12						65	6
		20	FARMBROOK LANE SR 1600	HICKORY TREE RD. SR 1508 TO WIDAUSTIN DR. SR 1606	11	2	2WU	NO	NO	0.406	19									432		29							
		21	HOLMES DR. SR 1602	FARMBROOK LANE SR 1600 TO END	11	2	2WU	NO	NO	0.259	19									276		18				1			
		22	MARAJO COURT SR 1603	FARMBROOK LANE SR 1600 TO END	11	2	2WU	NO	NO	0.119	18									149		10							
		23	FOLTZ DR. SR 1605	WIDAUSTIN DR. SR 1606 TO END	11	2	2WU	NO	NO	0.087	18									117		8							
		24	WIDAUSTIN DR. SR 1606	DEAD END TO DEAD END	11	2	2WU	NO	NO	0.641	19									731		49							
		25	TEAKWOOD DR SR 3244	WIDAUSTIN DR. SR 1606 TO END	11	2	2WU	NO	NO	0.101	18									122		8				1			
		26	BRAMBLETON RD. SR 3245	WIDAUSTIN DR. SR 1606 TO END	11	2	2WU	NO	NO	0.148	17									158		11				1			
		27	TUMBLEWEED DR. SR 3246	WIDAUSTIN DR. SR 1606 TO END	11	2	2WU	NO	NO	0.204	18									206		14				1			
		28	HUNTINGTON RD. SR 3222	LEONARD RD. SR 1460 TO CREEKSIDE LANE SR 3223	11	2	2WU	NO	NO	0.185	18-20									187		13				1			
		29	CREEKSIDE LANE SR 3223	HUNTINGTON RD. SR 3222 TO END OF MAINTENANCE	11	2	2WU	NO	NO	0.29	18									293		20							
		30	QUAIL LANE SR 2766	TOWER RD. SR 2062 TO END OF MAINTENANCE	14	2	2WU	NO	NO	0.282	29				1,679	4,798				457		31							
		31	SUMMERS TRAIL SR 2767	QUAIL LN. SR 2766 TO END OF MAINTENANCE	14	2	2WU	NO	NO	0.072	29				429	1,225				117		8							
		32	GAME TRAIL SR 2806	TOWER RD. SR 2062 TO END OF MAINTENANCE	11	2	2WU	NO	NO	0.327	20									390		26				1			
		33	KAYLAN LANE SR 2834	TOWER RD. SR 2062 TO END OF MAINTENANCE	11	2	2WU	NO	NO	0.702	20									839		56				1			
		34	HERITAGE CT. SR 2835	KAYLAN LN. SR 2834 TO END OF MAINTENANCE	11	2	2WU	NO	NO	0.127	20									205		14							
		35	TREELINE DR. SR 2979	FRIENDSHIP LEDFORD RD. SR 1700 TO END OF MAINTENANCE	11	2	2WU	NO	NO	0.228	18-19		10							289		19							
		36	GREENTURF DR. SR 3328	FRIENDSHIP-LEDFORD RD. SR 1700 TO END OF MAINTENANCE	11	2	2WU	NO	NO	0.186	19-20									249		17							
		37	CHARITY LANE SR 3170	OLD WESLEY CHAPEL RD. SR 1156 TO END OF MAINTENANCE	11	2	2WU	NO	NO	0.386	19									457		31							
		38	PATRICIA GARDEN SR 3171	CHARITY LANE SR 3170 TO END OF MAINTENANCE	11	2	2WU	NO	NO	0.095	19									155		10							
		39	CAROLYN LANE SR 3187	CHARITY LANE SR 3170 TO END OF MAINTENANCE	11	2	2WU	NO	NO	0.199	20									265		18							
		40	LODGECREST DR. SR 3329	END OF MAINTENACE TO END OF MAINTENACE BOTH SIDES OF GREENTURF DR. SR 3328	11	2	2WU	NO	NO	0.154	19									260		17				3			
		41	TWELVE OAKS DR. SR 3127	OLD SALISBURY RD. SR 1147 TO END OF MAINTENACE	11	2	2WU	NO	NO	0.283	18									286		19				1			
TOTAL FOR PROJ NO. 2020CPT.09.02.20291										**36.388**		**3,372**	**2,515**	**58.23**	**2,108**	**349,781**	**7,406**	**2,406**	**2,874**	**13,796**	**38,070**	**3,341**		**14**	**33**	**92**		**11,240**	**1,124**
GRAND TOTAL										**59.28**		**6,321**	**3,166**	**101.56**	**2,108**	**854,099**	**7,406**	**2,406**	**2,874**	**13,796**	**81,223**	**5,931**	**60**	**28**	**99**	**186**	**1**	**21,070**	**2,080**

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.
2020CPT.09.01.10291, etc	18	

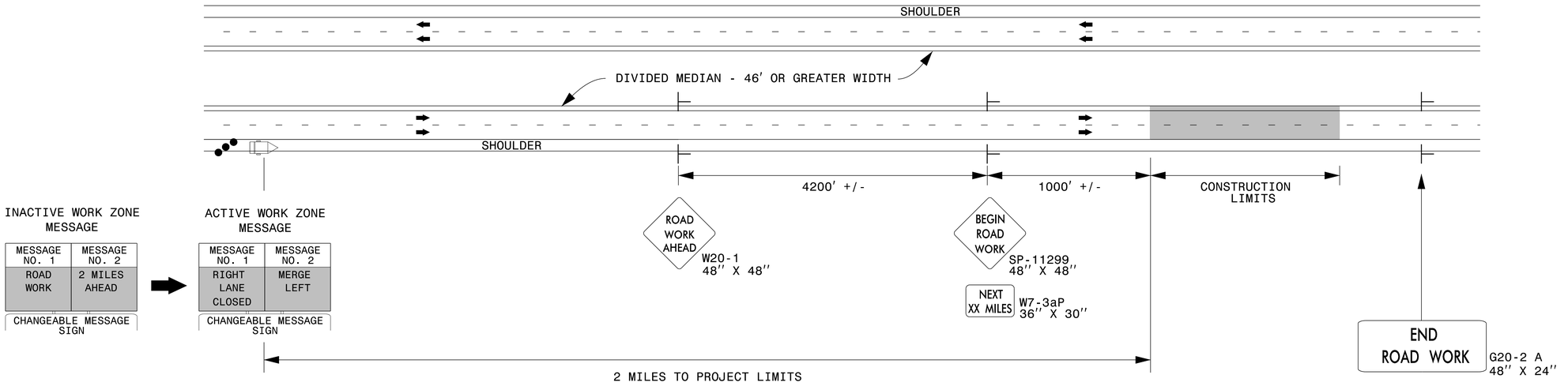
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH (MI)	WIDTH (FT)	4413000 WZ ADV/GEN WARN SIGNING (SF)	445700 TEMP. TRAFFIC CONTROL (LS)	45100 LAW ENFORCEMENT (HR)	4685000000-E 4" X 90 M WHITE THERMO (LF)	4685000000-E 4" X 90 M YELLOW THERMO (LF)	4686000000-E 4" X 120 M WHITE THERMO (LF)	4686000000-E 4" X 120 M YELLOW THERMO (LF)	4695000000-E 8" X 90 M YELLOW THERMO (LF)	4695000000-E 8" X 90 M WHITE THERMO (LF)	4697000000-E 8" X 120 M WHITE THERMO (LF)	4697000000-E 8" X 120 M WHITE (LF)	4700000 12" X 90 M YELLOW THERMO (LF)	47000 12" X 90 M WHITE THERMO (LF)	47050 16" X 120 M WHITE THER (LF)	4710000 24" X 120 M WHITE THERMO (LF)	4721000000-E THERMO RXR 120 M (EA)	4721000000-E THERMO MSG SCHOOL 120 (EA)	4721000000-E THERMO MSG ONLY 120 M (EA)	4721000000-E THERMO MSG STOP 120 M (EA)	4721000000-E THERMO MSG AHEAD 120 M (EA)	4725000000-E THERMO LT ARROW 90 M (EA)	4725000000-E THERMO RT ARROW 90 M (EA)	4725000000-E THERMO STR ARROW 90 M (EA)	4725000000-E THERMO STR & RT ARROW 90 (EA)	4725000000-E THERMO MERGE ARROW (90 (EA)	4725000000-E THERMO STR & LT ARROW 90 (EA)	4810000000-E 4" WHITE PAINT (LF)	4810000000-E 4" YELLOW PAINT (LF)	4815000000-E 6" WHITE PAINT (LF)	4815000000-E 6" YELLOW PAINT (LF)	4820000000-E 8" YELLOW PAINT (LF)	4820000000-E 8" WHITE PAINT (LF)	4825000000-E 12" YELLOW PAINT (LF)	4825000000-E 12" WHITE PAINT (LF)	48300 16" WHITE PAINT (LF)	4835000 24" WHITE PAINT (LF)	4840000000-N PAINT MSG RXR (EA)	4840000000-N PAINT MSG ONLY (EA)	4840000000-N PAINT MSG SCHOOL (EA)	4840000000-N PAINT MSG STOP (EA)	4840000000-N PAINT MSG AHEAD (EA)	4845000000-N PAINT LT ARROW (EA)	4845000000-N PAINT RT ARROW (EA)	4845000000-N PAINT STR ARROW (EA)	4845000000-N PAINT STR & RT ARROW (EA)	4845000000-N PAINT MERGE ARROW (EA)	4845000000-N PAINT STR & LT ARROW (EA)	4847010000-E POLYUREA PM LINES (4", 20 MILS) (LF)	4847010000-E POLYUREA PM LINES (4", 20 MILS) (LF)	4847030000 POLYUREA PM LINES (6", 20 MILS) (LF)	4847050 POLYUREA PM LINES (8", 20 MILS) (LF)	4847070 POLYUREA PM LINES (12", 20 MILS) (LF)	485000 REMOVAL OF PM LINES (4") (LF)	4905..N SNOW PLOWABLE MARKERS (EA)
2020CPT.09.01.10291	Davidson	1	NC 62	PVMT JT AT REGENCY INDUSTRIAL BLVD. TO E.O.P. AT	1,2	4	2WU	1.007	24-48	126		80					52	120			53			149			16			13	1	3	10			7,937	11,874			52	120	53			149		16				13	1	3	10			19,811			326			142
		2	NC 109	NC 62 TO BUSINESS I-85 BRIDGE #109	2	2	2WU	2.719	26-60	126		240					291		1,623			280	400	894	16		20			65	14	15	12	4		5,805	33,591				1,623		280	400	894	16	20				65	14	15	12	4		39,396			280			429
		3	NC 109	FORSYTH CO. LINE TO BEGINNING OF CONC ISLAND N. OF OLD GREENSBORO RD. SR	1,3	2	2WU	6.253	22-47	700		80									36			329		18				5	2		5			547	67,248					36			479			18			5	2		5				135,816		280		608	429
		4	BUS. I-85/US29/70 NORTH BOUND LANE	FROM CONC PVT JT EAST OF US 52 INTERCHANGE TO BRIDGE # 128 OVER ABBOTTS CREEK	13	2	MD	5.076	28-41	726	*	80										232		164			8			29	19	4		8				38,613	26,801				4,942		164		8				29	19	4		8				65,414		4,710	2,196	784
		5	BUS. I-85/US29/70 SOUTH BOUND LANE	FROM BRIDGE # 130 OVER ABBOTTS CREEK TO CONCRETE PVT JT EAST OF US 52 INTERCHANGE	13	2	MD	4.796	28-41	695		80									214			210			16			17	29	10		5				35,280	25,323			214	3,466		210		16				17	29	10		5				60,603		3,466	2,196	648
		6	NC 47/BOMBAY RD.	RANDOLPH CO. LINE TO NC 109/GLENN ST.	1,2	2	2WU	3.041	24-40	341							13							24						2			2			254	32,488			13											2			2				65,407					201
TOTAL FOR PROJ NO. 2020CPT.09.01.10291								**22.892**		**2,714**		**560**					**356**	**120**	**1,623**		**303**	**512**	**400**	**1,770**	**16**	**18**	**60**			**131**	**65**	**32**	**29**	**17**		**14,543**	**145,201**	**73,893**	**52,124**	**65**	**1,743**	**303**	**8,688**	**400**	**1,896**	**16**	**60**	**18**			**131**	**65**	**32**	**29**	**17**		**59,207**	**201,223**	**126,017**	**886**	**8,176**	**5,000**	**2,633**
																	476		**1,623**		**815**				**94**					**274**						**159,744**		**126,017**		**1,808**		**8,991**				**94**					**274**						**260,430**						
2020CPT.09.02.20291	Davidson	7	FLAT SWAMP ROAD SR 2351	FROM NC 8 TO PVMT. JT. AT NC 47/JONES ST.	2,4	2	2WU	4.197	20-44	470			41,964	140	757	44,320		268		176				122		12				1	3				2	757	44,320				176				122			12			1	3				2							
		8	KOONTZ RD. SR 1186	US 64 TO E.O.P. AT GILES RD. SR 1176	5	2	2WU	2.104	22	236			22,639		44	22,218																																															
		9	FRIENDSHIP-LEDFORD RD. SR	FORSYTH CO. LINE TO OLD GREENSBORO RD. SR 1798	1,6	2	2WU	8.138	20-34	911			87,565		555	89,899					548			256		12		4	5	7	1	4				555	89,899					548			256			12	8	10	7	1	4										
		10	GUMTREE RD. SR 1711	FORSYTH CO. LINE TO OLD US 52 SR 2932	1,3	2	2WU	5.55	24-50	622			59,718		902	60,177					220			82				8	10	9	2		3			902	60,177					220			82				8	10	9	2		3									
		11	GEORGE MURPHY SR 1799	OLD TYHOMASVILLE RD. SR 1800 TO FRIENDSHIP-LEDFORD RD. SR 1700	7	2	2WU	0.832	19-20	93			8,952		50	8,786																																															
		12	BRINKLEY RD. SR 1919	WELCOME-BETHESDA RD. SR 1821 TO TALL PINES RD. SR 1822	8	2	2WU	0.247	18-20	28			2,658			2,608																																														
		13	UPPER LAKE RD. SR 2024	OLD HWY. 29 SR 2123 TO JOHNSONTOWN RD. SR 2031	12	2	2WU	3.093	23-25	346			33,275		108	32,657																					32,657																				1932					1932	
		14	FISHER FERRY ST. SR 2183	FROM E.O.P. AT MAIN ST. SR 2053 TO HARRIS FARM CT.	1,2	2	2WU	2.336	20-48	126		40	3,991		1,618	24,668		20	230				200	198	8					2			2	6		1,618	24,668				250			200	198	8					2			2	6		830					830	
		15	LIBERTY ST. SR 2055	NC109 E.O.P. TO NC 62 E.O.P.	2	2	2WU	0.908	48-71	126		120		1,099	3,571	10,301				343	44			370			16			21	8	14	9		6	3,571	10,301					44			370		16				21	8	14	9		6	1320					1320	
		16	KENNEDY RD. SR 2066	FROM E.O.P. LIBERTY ST. TO FULLER MILL RD. SR 2091 (SOUTH OF INTERSECTION)	1,3	2	2WU	0.979	24-48	110			10,109		259	10,728					30			77			8			5	2	4				10,368	10,728					30			77		8				4	2	4										
		17	SALEM RD. SR 1827	OLD US 52 SR 3010 TO OLD US 52 SR 3010	9	2	2WU	1.018	19-20	114			10,954		64	10,750							100	50	4												10,750							100	50	4																	
		18	LEONARD RD. SR 1460	FROM OLD US 52 SR 3010 TO OAKWOOD DR. SR 1639	10	2	2WU	1.343	18-19	150			14,451		84	14,182								50		6																			50			6															
		19	HOMER LEONARD SR 1464	OLD US 52 SR 3010 LINCOLN ST. SR 1465	10	2	2WU	0.162	18-19	18			1,743			1,711								23																																							
		20	FARMBROOK LANE SR 1600	HICKORY TREE RD. SR 1508 TO WIDAUSTIN DR. SR 1606	11	2	2WU	0.406	19	45																																																					
		21	HOLMES DR. SR 1602	FARMBROOK LANE SR 1600 TO END	11	2	2WU	0.259	19	29																																																				
		22	MARAJO COURT SR 1603	FARMBROOK LANE SR 1600 TO END	11	2	2WU	0.119	18			13																																																			
		23	FOLTZ DR. SR 1605	WIDAUSTIN DR. SR 1606 TO END	11	2	2WU	0.087	18	10																																																			
		24	WIDAUSTIN DR. SR 1606	DEAD END TO DEAD END	11	2	2WU	0.641	19	72	*																																																			
		25	TEAKWOOD DR SR 3244	WIDAUSTIN DR. SR 1606 TO END	11	2	2WU	0.101	18	11																																																			
		26	BRAMBLETON RD. SR 3245	WIDAUSTIN DR. SR 1606 TO END	11	2	2WU	0.148	17	17																																																			
		27	TUMBLEWEED DR. SR 3246	WIDAUSTIN DR. SR 1606 TO END	11	2	2WU	0.204	18	23																																																			
		28	HUNTINGTON RD. SR 3222	LEONARD RD. SR 1460 TO CREEKSIDE LANE SR 3223	11	2	2WU	0.185	18-20	21																																																			
		29	CREEKSIDE LANE SR 3223	HUNTINGTON RD. SR 3222 TO END OF MAINTENANCE	11	2	2WU	0.29	18	32																																																			
		30	QUAIL LANE SR 2766	TOWER RD. SR 2062 TO END OF MAINTENANCE	14	2	2WU	0.282	29	32																																																			
		31	SUMMERS TRAIL SR 2767	QUAIL LN. SR 2766 TO END OF MAINTENANCE	14	2	2WU	0.072	29	8																																																			
		32	GAME TRAIL SR 2806	TOWER RD. SR 2062 TO END OF MAINTENANCE	11	2	2WU	0.327	20	37																																																			
		33	KAYLAN LANE SR 2834	TOWER RD. SR 2062 TO END OF MAINTENANCE	11	2	2WU	0.702	20	79																																																			
		34	HERITAGE CT. SR 2835	KAYLAN LN. SR 2834 TO END OF MAINTENANCE	11	2	2WU	0.127	20	14																																																			
		35	TREELINE DR. SR 2979	FRIENDSHIP LEDFORD RD. SR 1700 TO END OF MAINTENANCE	11	2	2WU	0.228	18-19	26																																																			
		36	GREENTURF DR. SR 3328	FRIENDSHIP-LEDFORD RD. SR 1700 TO END OF MAINTENANCE	11	2	2WU	0.186	19-20	21																																																			
		37	CHARITY LANE SR 3170	OLD WESLEY CHAPEL RD. SR 1156 TO END OF MAINTENANCE	11	2	2WU	0.386	19	43																																																			
		38	PATRICIA GARDEN SR 3171	CHARITY LANE SR 3170 TO END OF MAINTENANCE	11	2	2WU	0.095	19	11																																																			
		39	CAROLYN LANE SR 3187	CHARITY LANE SR 3170 TO END OF MAINTENANCE	11	2	2WU	0.199	20	22																																																			
		40	LODGECREST DR. SR 3329	END OF MAINTENACE TO END OF MAINTENACE BOTH SIDES OF GREENTURF DR. SR 3328	11	2	2WU	0.154	19	17																																																			
		41	TWELVE OAKS DR. SR 3127	OLD SALISBURY RD. SR 1147 TO END OF MAINTENACE	11	2	2WU	0.283	18	32																																																			
TOTAL FOR PROJ NO. 2020CPT.09.02.20291								**36.388**		**3,952**		**173**	**298,019**	**1,239**	**8,012**	**333,005**		**288**	**230**	**519**	**842**		**300**	**1,228**	**12**	**30**	**24**	**12**	**15**	**45**	**16**	**22**	**14**	**6**	**8**	**17,771**	**283,500**				**426**	**842**		**300**	**1,205**	**12**	**24**	**30**	**16**	**20**	**44**	**16**	**22**	**14**	**6**	**8**	**4,082**					**4,082**	
													299,258		**341,017**		**288**		**749**		**842**				**93**					**111**						**301,271**					**426**	**842**				**102**					**110**						**4,082**						
GRAND TOTAL								**59.28**		**6,666**	**1**	**733**	**298,019**	**1,239**	**8,012**	**333,005**	**356**	**408**	**1,853**	**519**	**1,145**	**512**	**700**	**2,998**	**28**	**48**	**84**	**12**	**15**	**176**	**81**	**54**	**43**	**23**	**8**	**32,314**	**428,701**	**73,893**	**52,124**	**65**	**2,169**	**1,145**	**8,688**	**700**	**3,101**	**28**	**84**	**48**	**16**	**20**	**175**	**81**	**54**	**43**	**23**	**8**	**63,289**	**201,223**	**126,017**	**886**	**8,176**	**9,082**	**2,633**
													299,258		**341,017**		**764**		**2,372**		**1,657**				**187**					**385**						**461,015**		**126,017**		**2,234**		**9,833**				**196**					**384**						**264,512**						

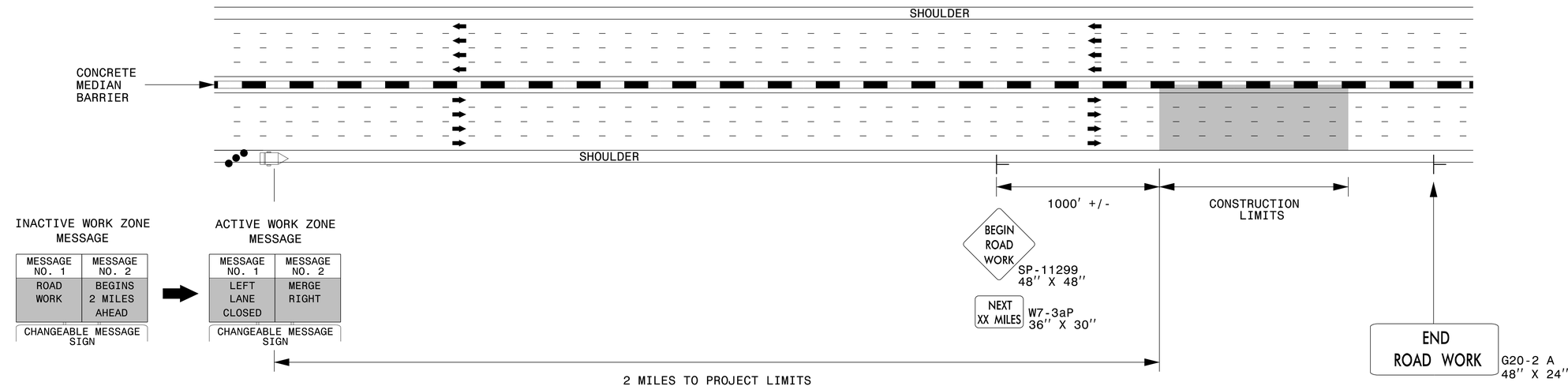
NOTE: All Quantities listed include turn lanes and are estimates; Payment will be based on actual field measurements and quantities received.

PROJ. REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291	TMP-1

DIVIDED MEDIANS WITH WIDTHS 46′ OR GREATER



DIVIDED MEDIANS WITH WIDTHS LESS THAN 46′ OR WITH PERMANENT MEDIAN BARRIER



NOTES:

1) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 6′ AS MEASURED FROM THE EDGE OF PAVEMENT.
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) FOR MEDIAN WIDTHS LESS THAN 46′ (MEASURED EDGELINE TO EDGELINE) USE THE BOTTOM DRAWING.
4) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
5) INSTALL "ROAD WORK AHEAD"(W20-1) ALONG ENTRANCE RAMPS 500′ PRIOR TO RAMP TERMINAL, AND "END ROAD WORK" (G20-2a) AT THE END OF EXIT RAMPS WITHIN THE WORK ZONE.
6) 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 AND WITH DIVIDED MEDIANS OF 46′ OR GREATER. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

- CHANGEABLE MESSAGE SIGN (CMS)
- STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW
- TRAFFIC DRUM

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

RESURFACING ADVANCE WARNING SIGNS FOR HIGH SPEED FACILITIES ≥ 60 MPH

3/23/2015
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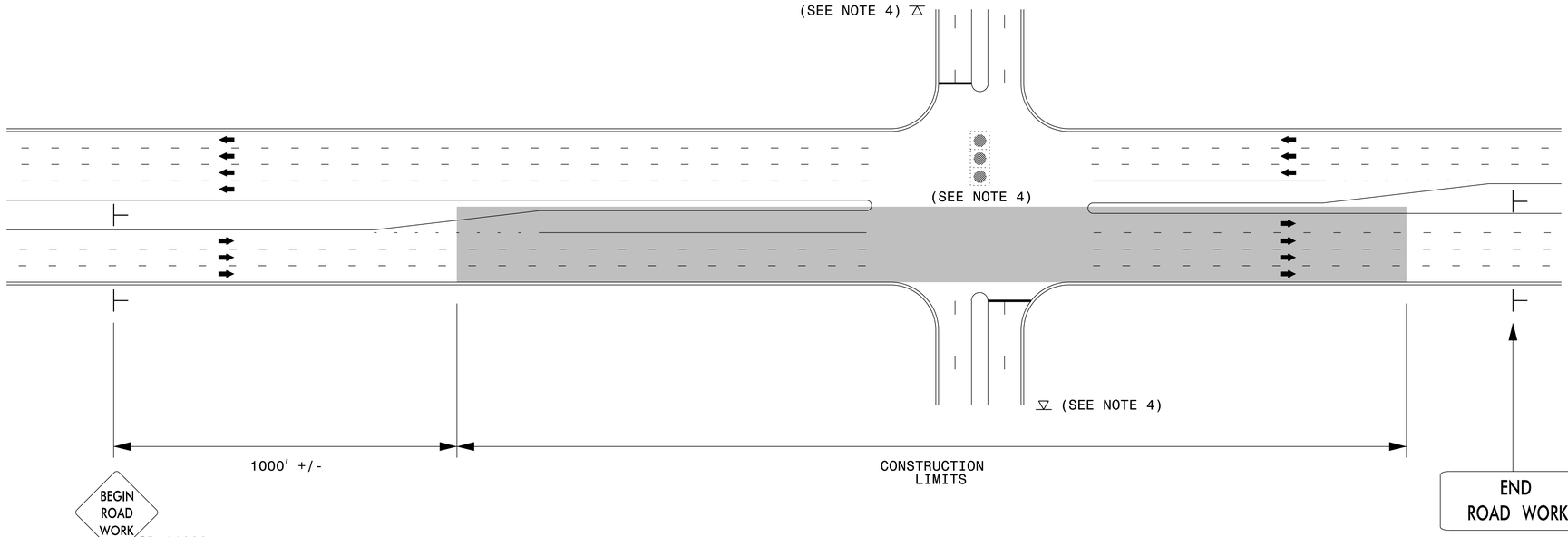
PROJ. REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291	TMP-2

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
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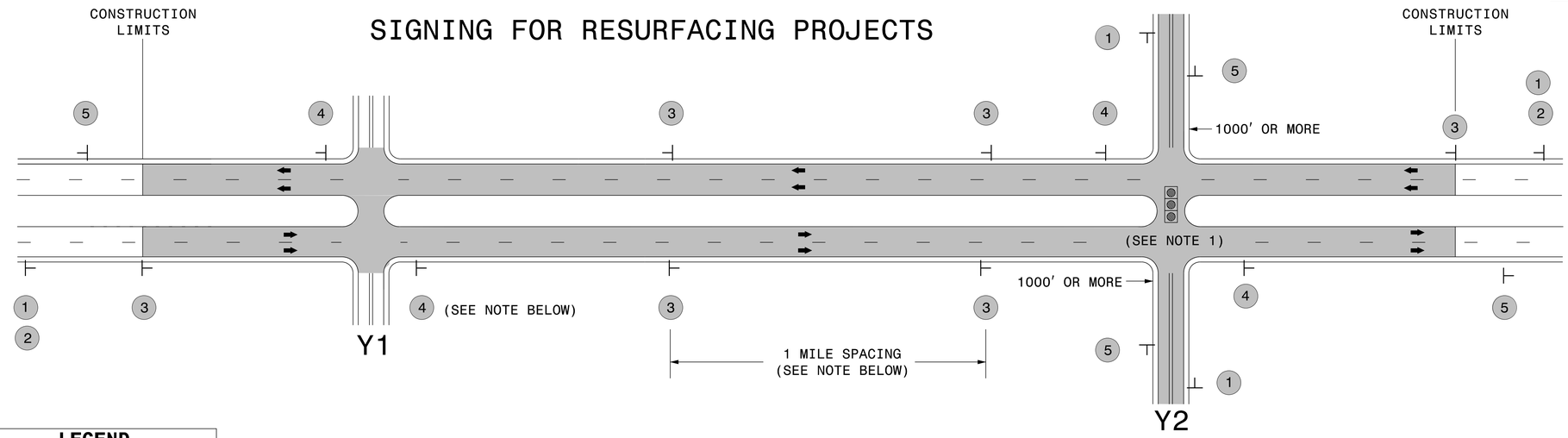
PROJ. REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291	TMP-3

SIGNING FOR RESURFACING PROJECTS



LEGEND
- ⊢ STATIONARY SIGN
- ⬅ DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 — ROAD WORK AHEAD — W20-1 48″ X 48″

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

2 — NEXT XX MILES — W7-3aP 24″ X 18″

#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 — LOW/SOFT SHOULDER — SP 13107 48″ X 48″

PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET ½ MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE 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.

5 — END ROAD WORK — G20-2 A 48″ X 24″

PLACE 500′ FOLLOWING THE END OF CONSTRUCTION LIMITS.

-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.

ROAD WORK AHEAD — W20-1 48″ X 48″ — PLACED 500′ IN ADVANCE OF FLAGGER.

W20-7 A 48″ X 48″ — 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.

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

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

3/23/2015
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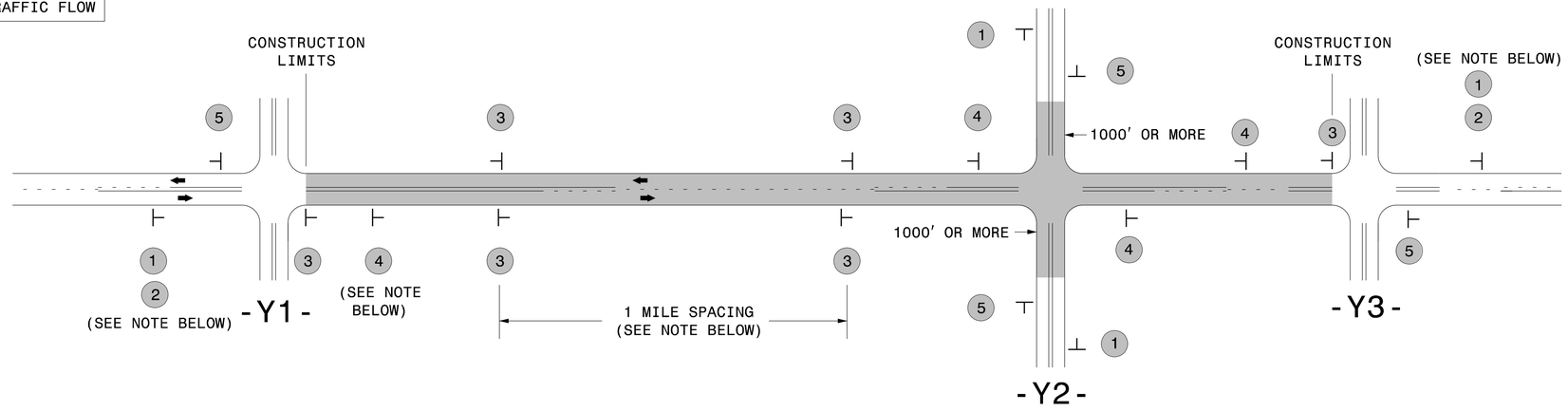
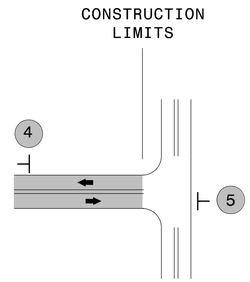
PROJ. REFERENCE NO.	SHEET NO.
2020CPT.09.01.10291	TMP-4

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 — LOWSOFT 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.

ROAD WORK AHEAD — W20-1, 48″ X 48″
PLACED 500′ IN ADVANCE OF FLAGGER.

W20-7 A, 48″ X 48″
PLACED 250′ IN ADVANCE OF FLAGGER.

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

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

5/15/2017
SATMU\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn
User:keddis

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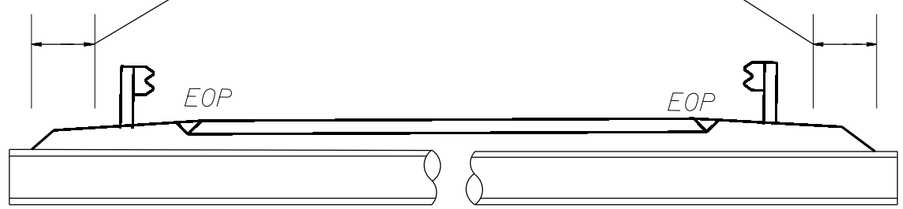
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

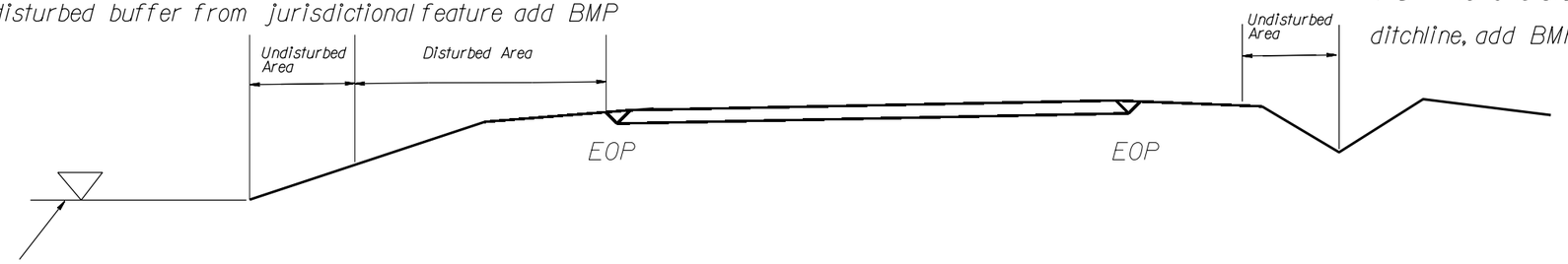
EROSION CONTROL DETAIL

< 5' - 10' Undisturbed buffer add BMP



Pipe/Culvert

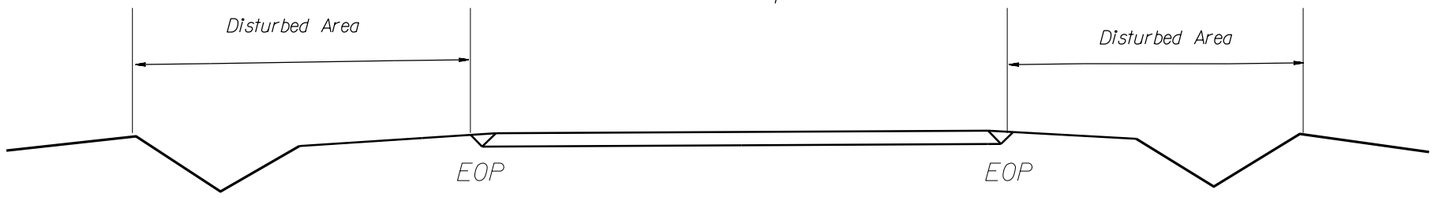
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



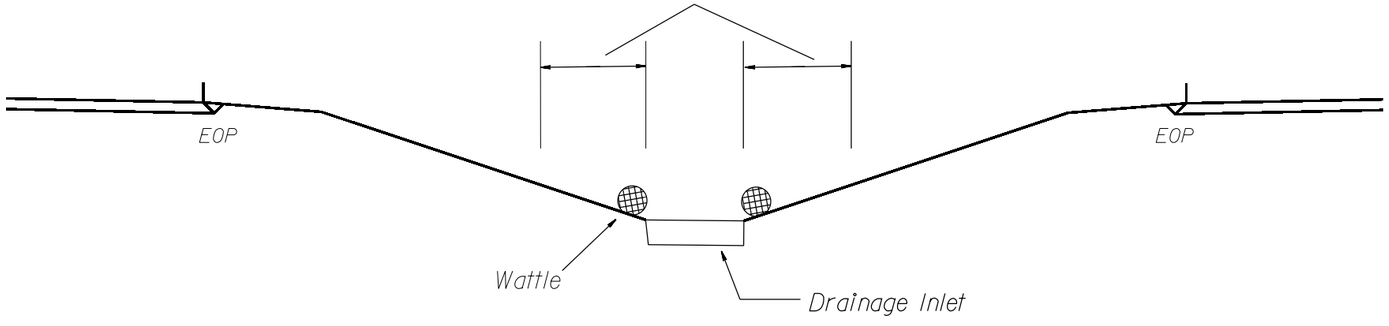
< 5' - 10' Undisturbed buffer from ditchline, add BMP

Jurisdictional Feature

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

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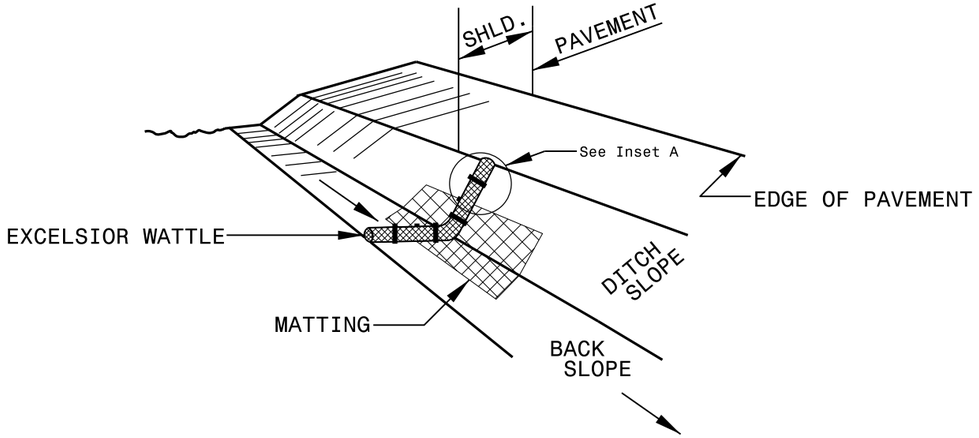
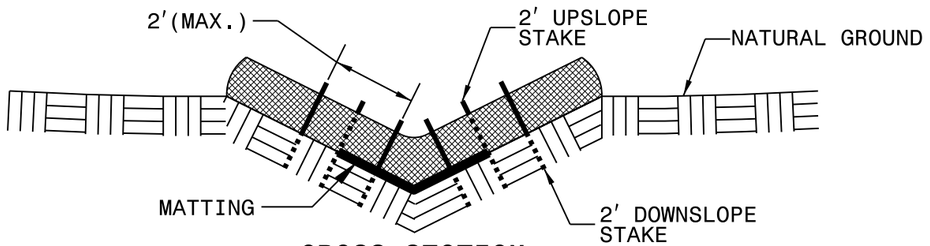
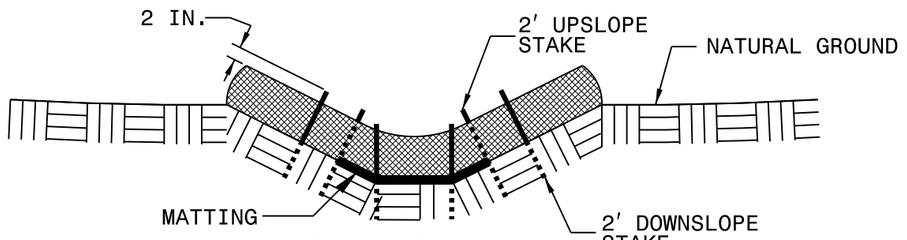
WATTLE DETAIL



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.

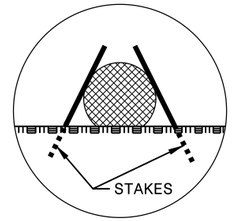
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

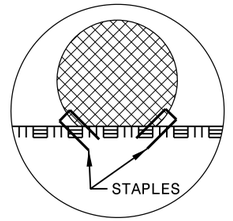
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

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

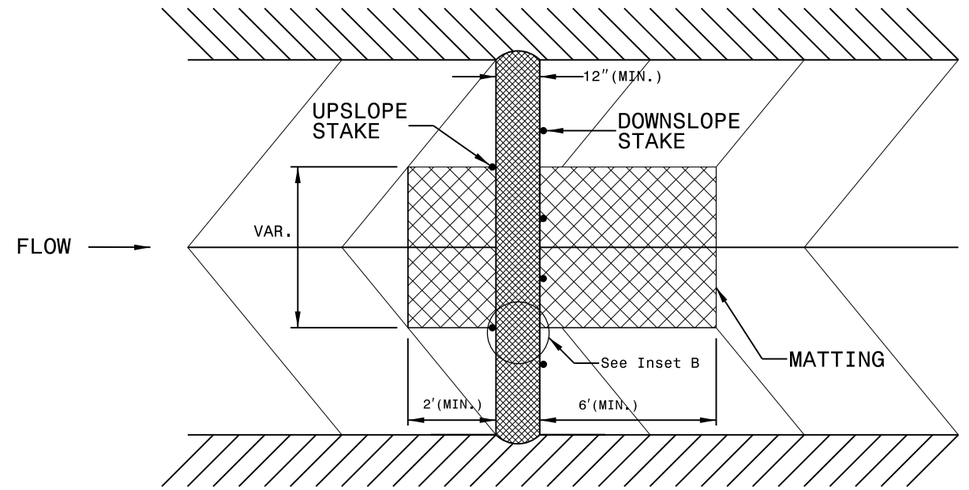
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



TOP VIEW