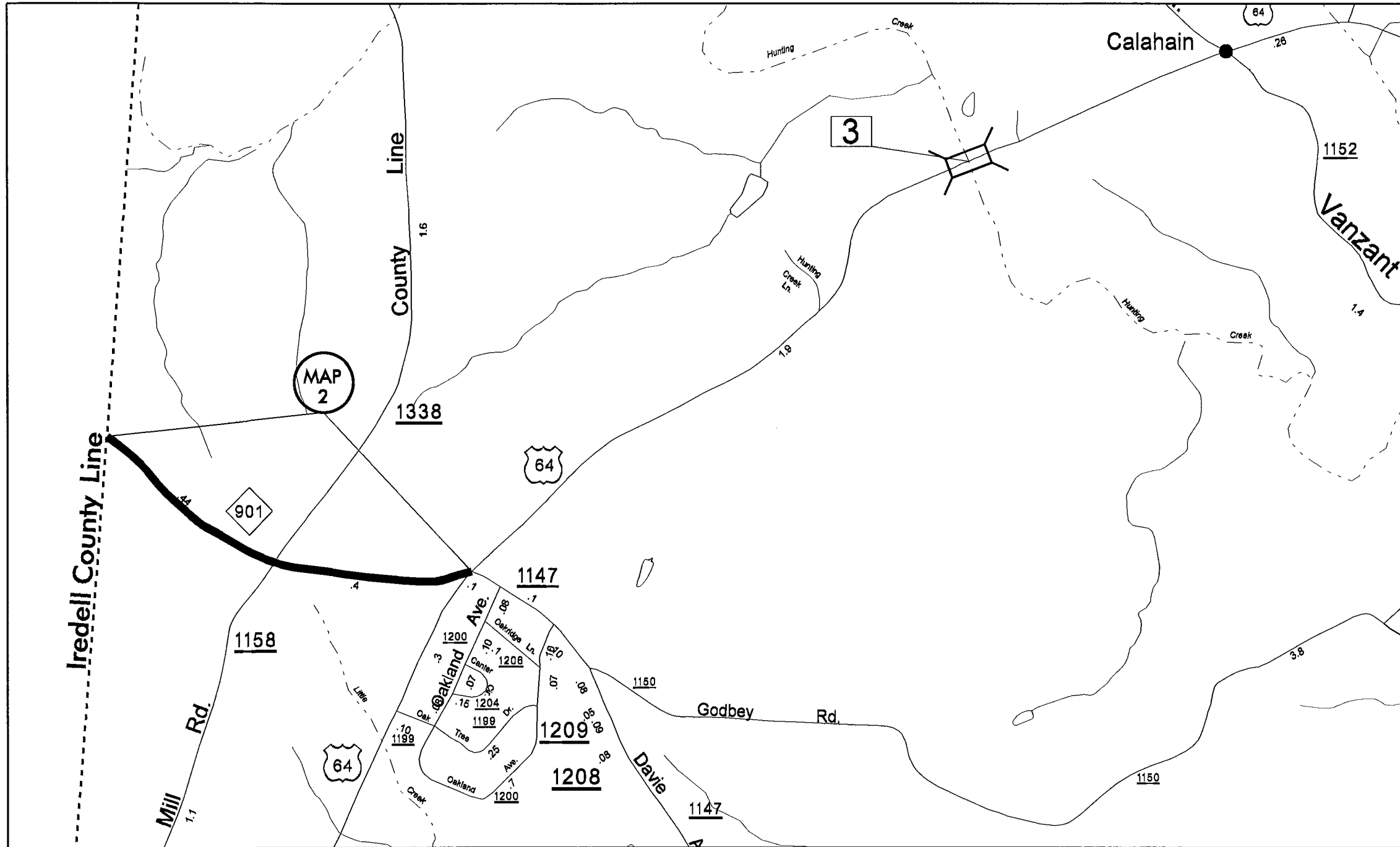


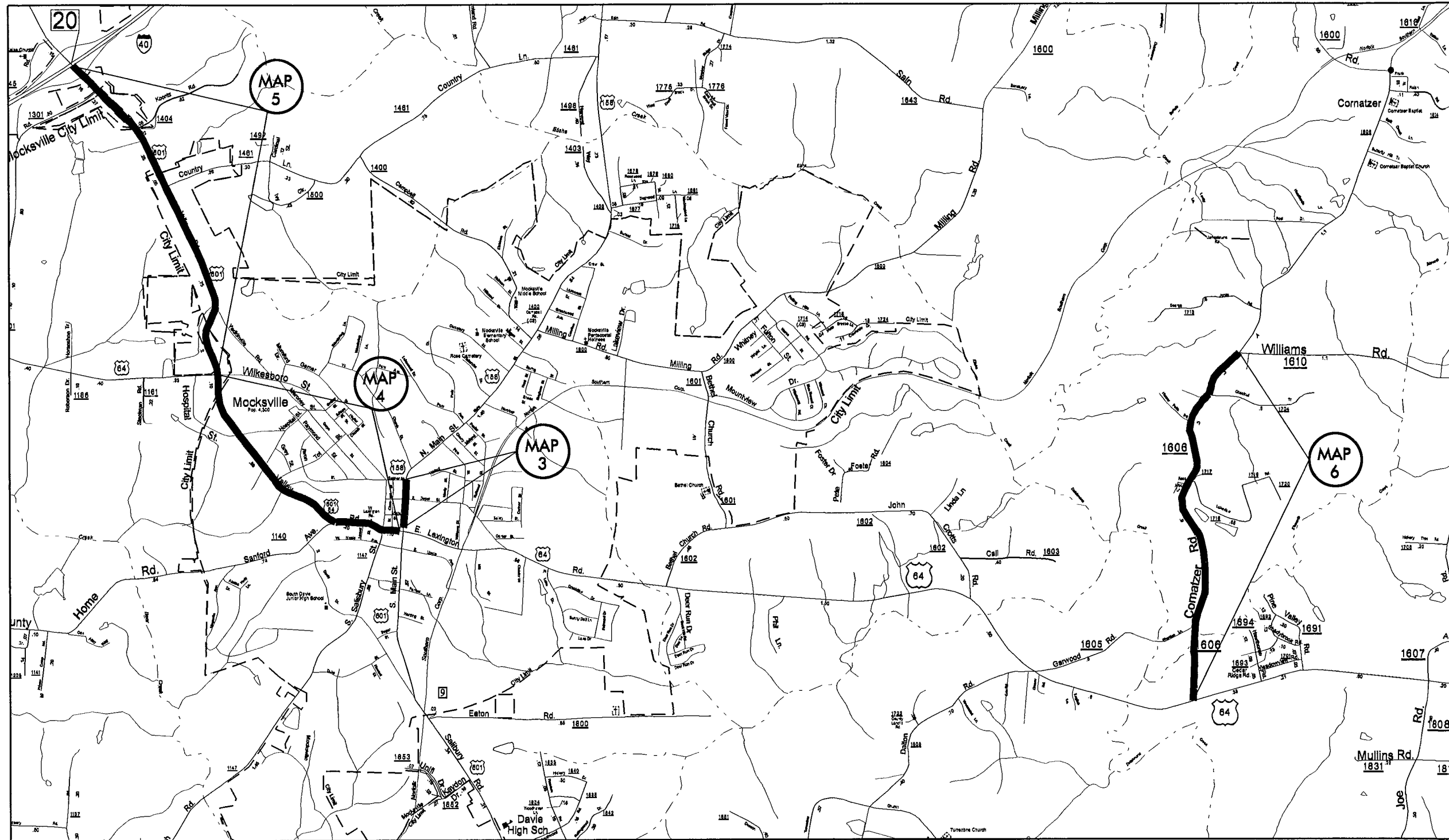
MAP 1 NC 801
 Mill 1 1/2" Depth
 Pave Back 1 1/2" S9.5C

DAVIE COUNTY
 NORTH CAROLINA



MAP 2 NC 901
Mill 1½" Depth
Pave Back 1½" S9.5C

DAVIE COUNTY
NORTH CAROLINA



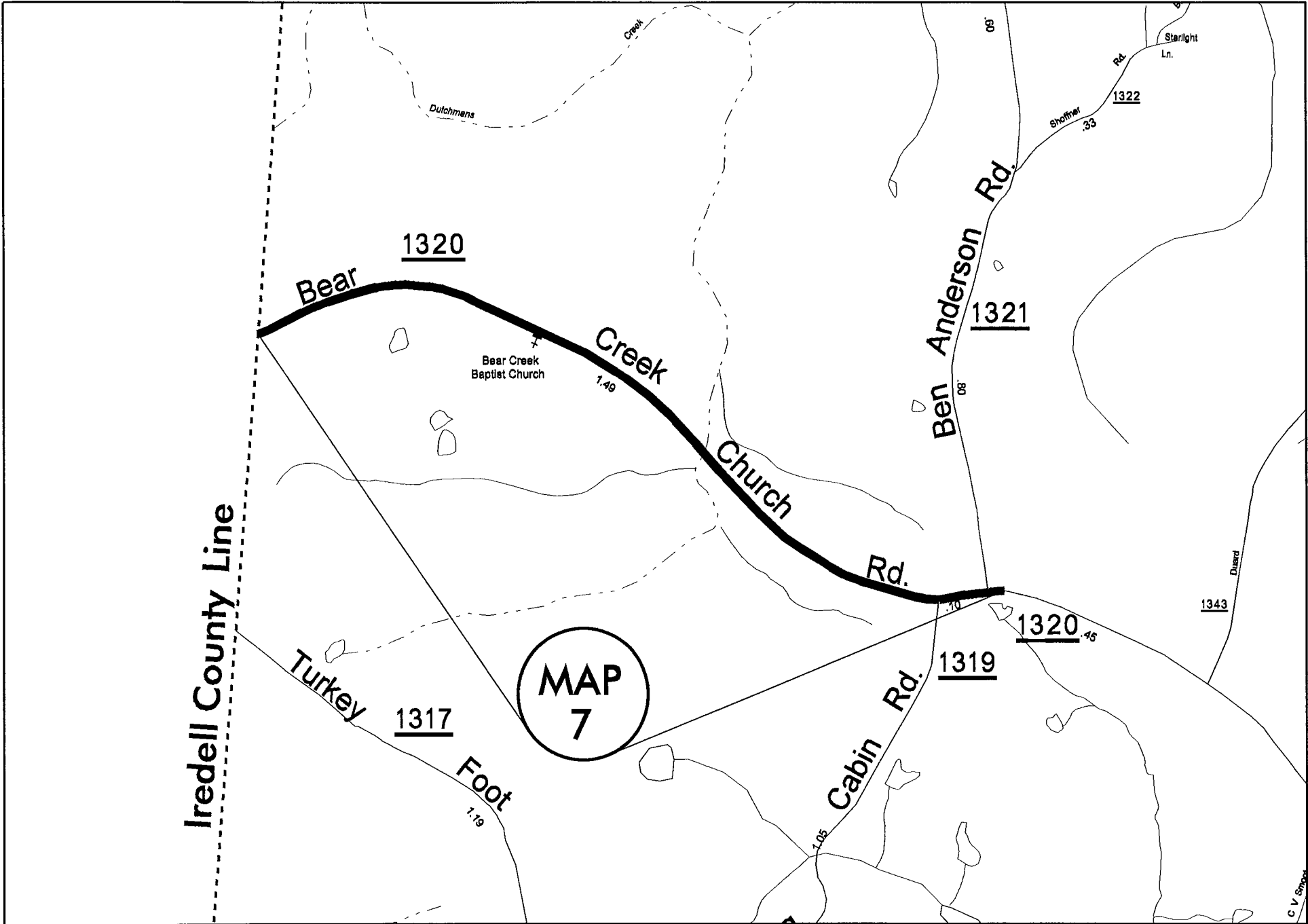
MAP 3 US 158
ALL WORK ON THIS MAP TO BE
NIGHT TIME ONLY 9 P.M. TO 6 A.M.,
Monday-Sunday.
Mill entire width 1 1/2" Depth.
Pave back 1 1/2" S9.5C flush to top of
gutter.
PATCHING BY NCDOT STATE FORCES

MAP 4 US 601/US 64
ALL WORK ON THIS MAP TO BE
NIGHT TIME ONLY 9 P.M. TO 6 A.M.,
Monday-Sunday.
Mill entire width 1 1/2" Depth.
Pave back 1 1/2" S9.5C flush to top of
gutter.

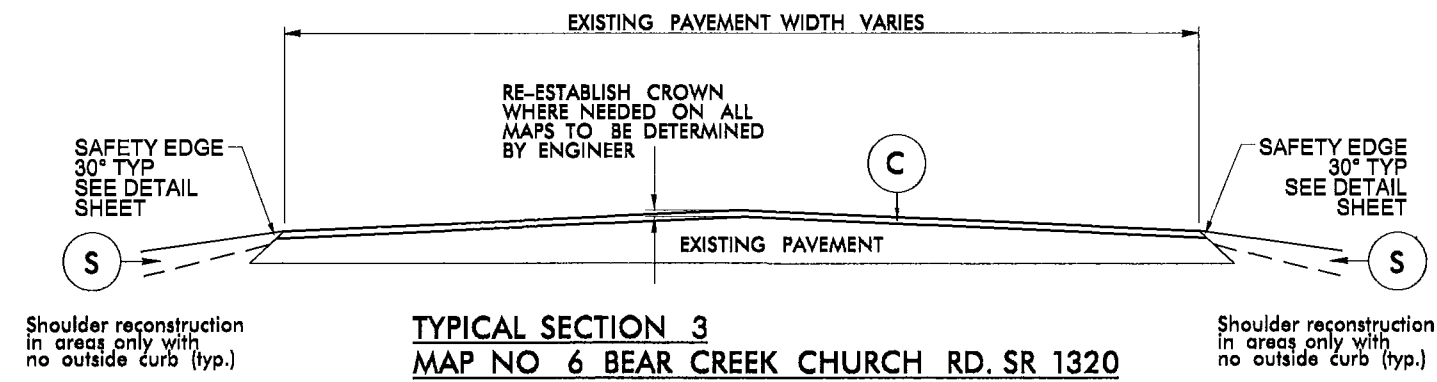
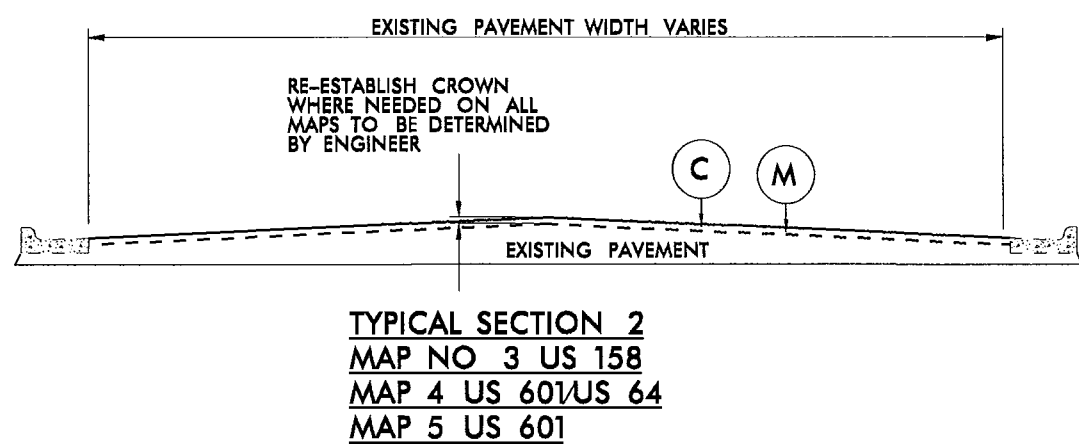
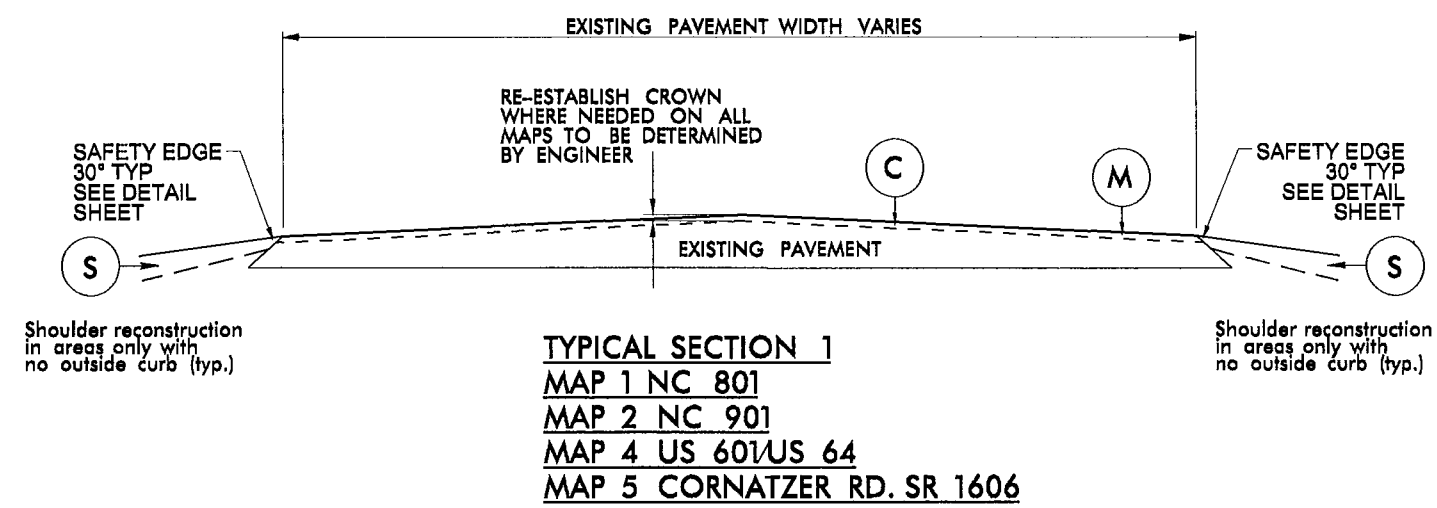
MAP 5 US 601
ALL WORK ON THIS MAP TO BE
NIGHT TIME ONLY 9 P.M. TO 6 A.M.,
Monday-Sunday.
Mill entire width 1 1/2" Depth.
Pave back 1 1/2" S9.5C flush to top of
gutter.

MAP 6 Cornatzer Rd. SR 1606
Mill 1 1/2" Depth.
Pave 1 1/2" S9.5C.

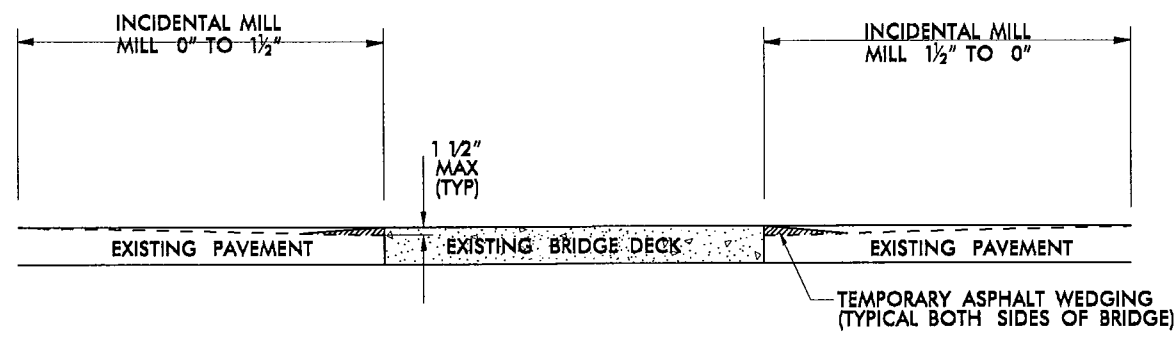
DAVIE COUNTY
NORTH CAROLINA



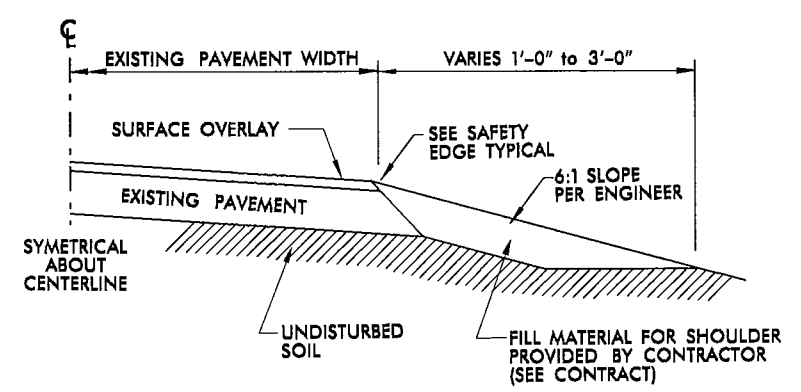
MAP 7
 Bear Creek Church Rd. SR 1320
 NCDOT Forces to do Tie in Milling.
 Pave Back 1½" S9.5C



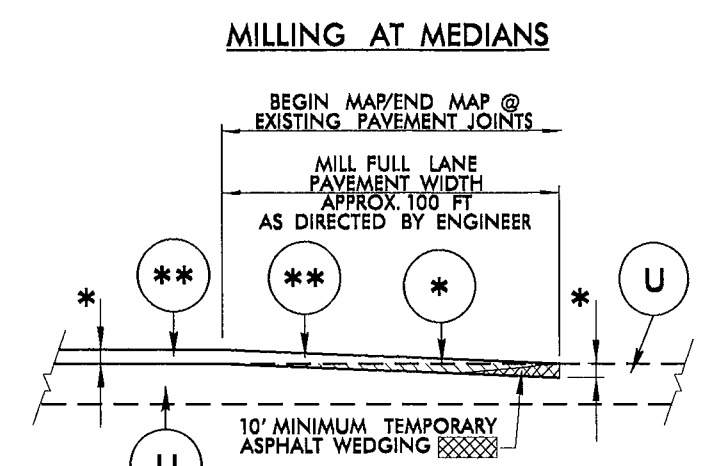
PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 168 LBS PER SQ. YD.
M	MILL ASPHALT PAVEMENT, 1½" DEPTH
M1	MILL ASPHALT PAVEMENT, 0" TO 1½"
S	SHOULDER RECONSTRUCTION (SEE DETAIL)
U	EXISTING PAVEMENT



**INCIDENTAL MILLING
BRIDGE APPROACHES**
(SEE BRIDGE DATA SHEET)



SHOULDER RECONSTRUCTION

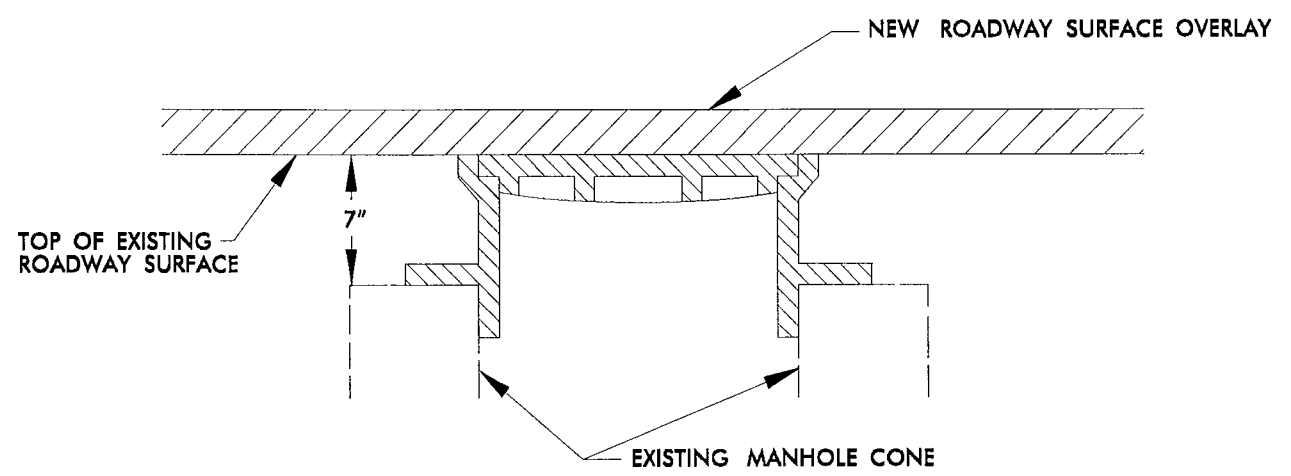


* MILL DEPTHS WILL BE EQUAL TO OVERLAY THICKNESS OF MAPS SEE TYPICALS AND BRIDGE DATA SHEETS
** SEE TYPICALS FOR MIX TYPE

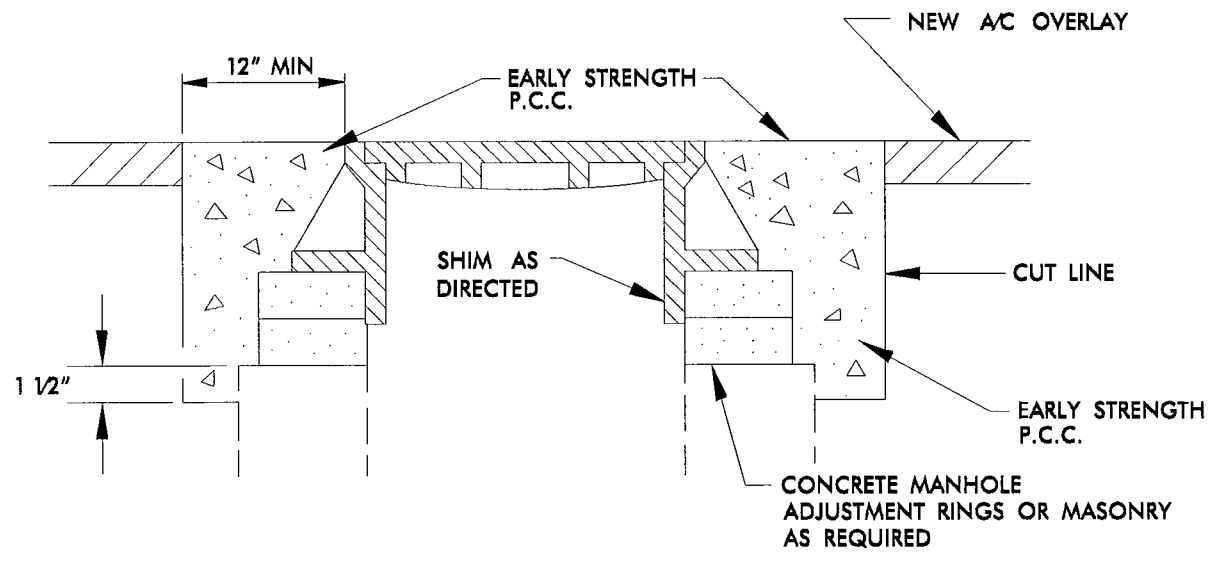
INCIDENTAL TIE-IN MILLING DETAIL

CONSTRUCTION NOTES:

- ALL QUANTITIES ARE "ESTIMATED" AS INDICATED IN THE "SUMMARY OF QUANTITIES".
- 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.
- 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.
- 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).
- 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.
- PAPER JOINTS ARE TO BE PLACED BETWEEN DAYS OF PAVING OPERATIONS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SECTION 610-11.
- ALL MILLED AREAS WILL BE PAVED WITHIN 72 HOURS UNLESS APPROVED BY THE ENGINEER.
- 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



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.

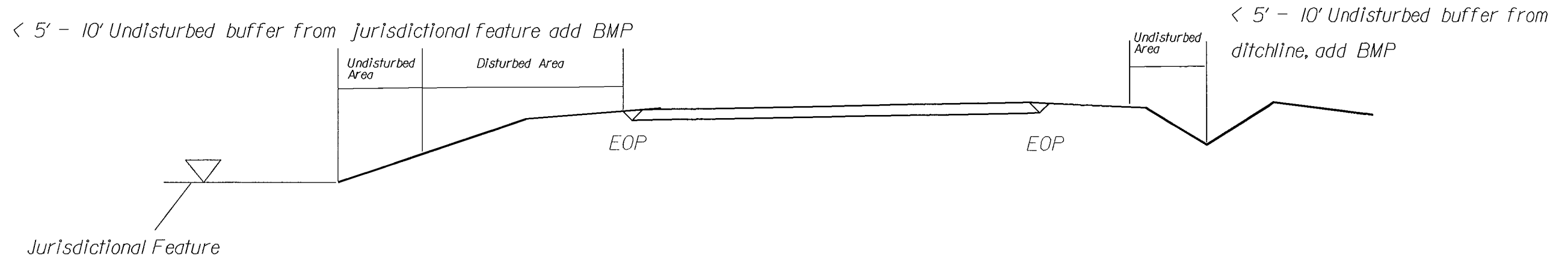
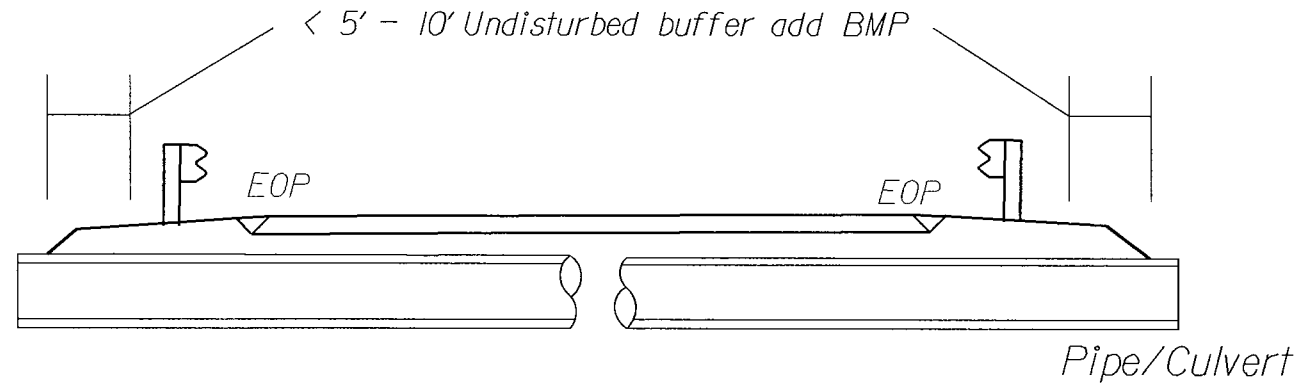
MANHOLE ADJUSTMENT DETAIL

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

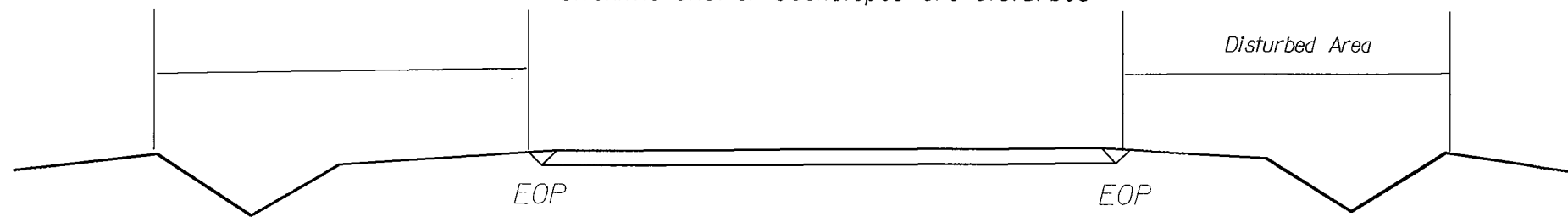
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

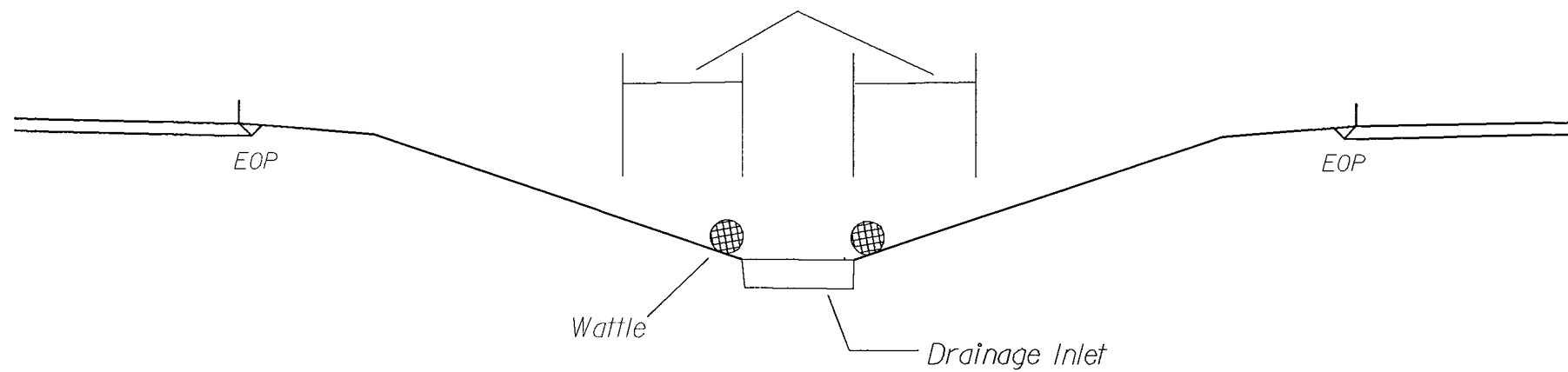
PROJECT REFERENCE NO.	SHEET NO.
2018CPT.09.03.10301.1 2018CPT.09.04.20301.1	8



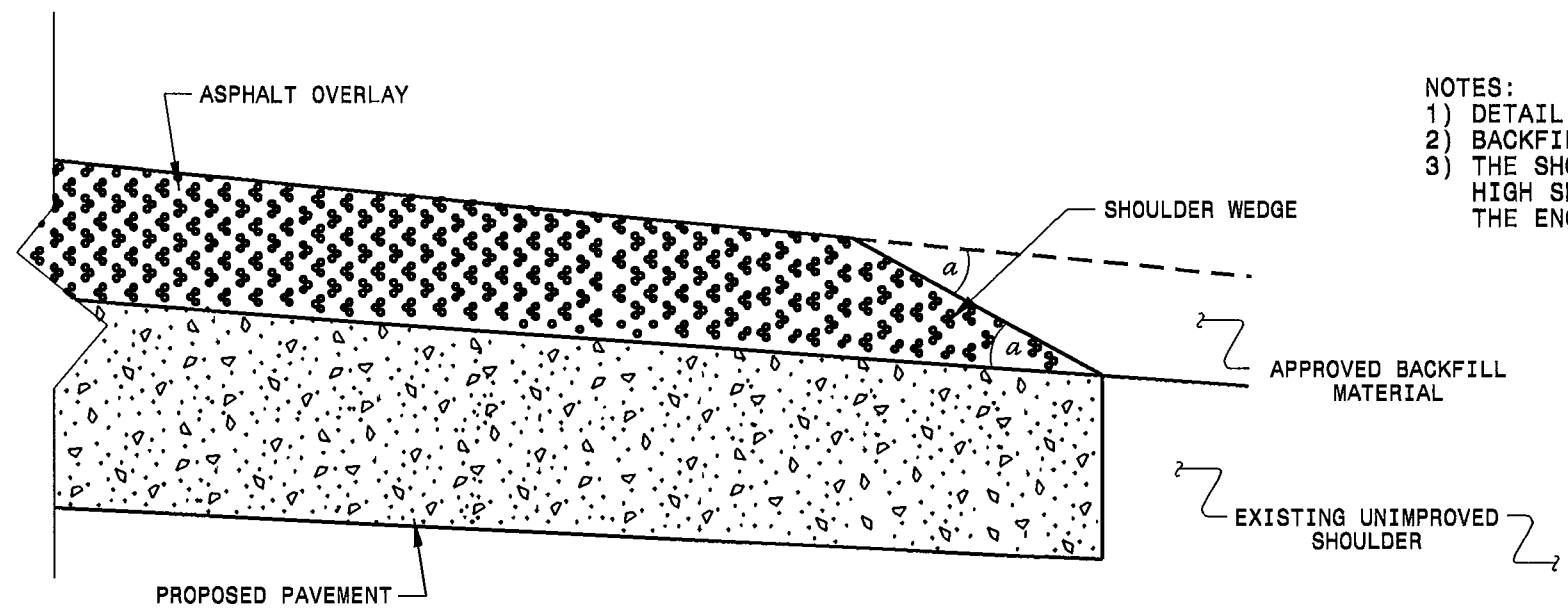
Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



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

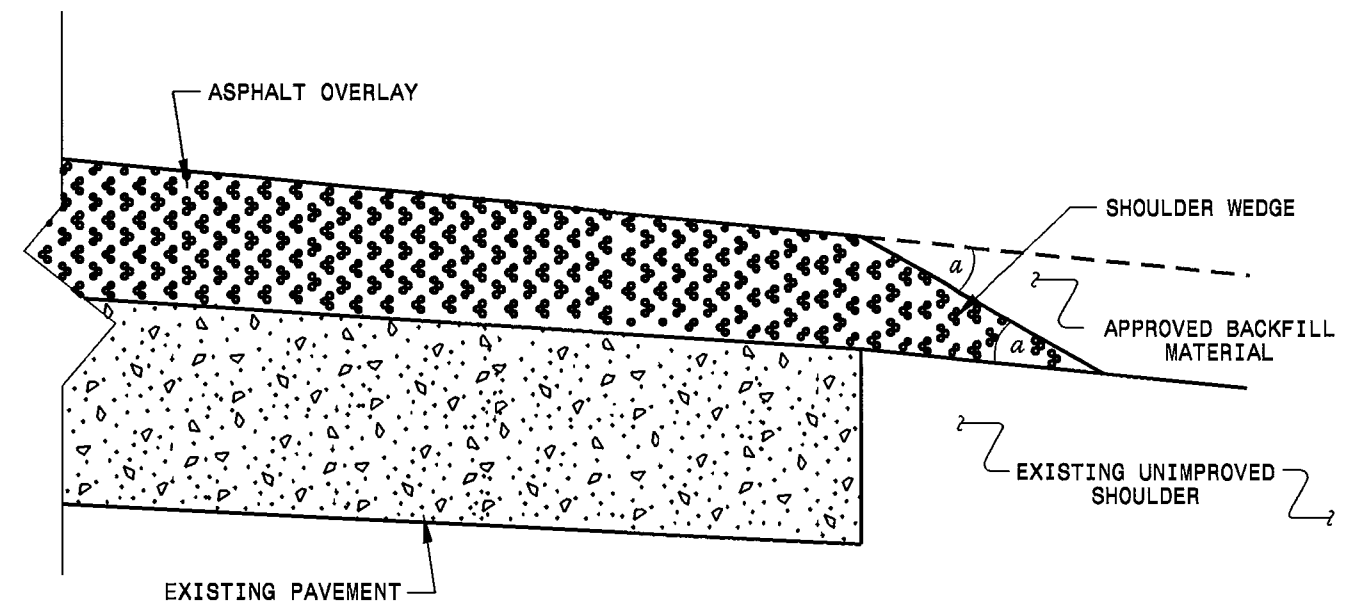


NOT TO SCALE

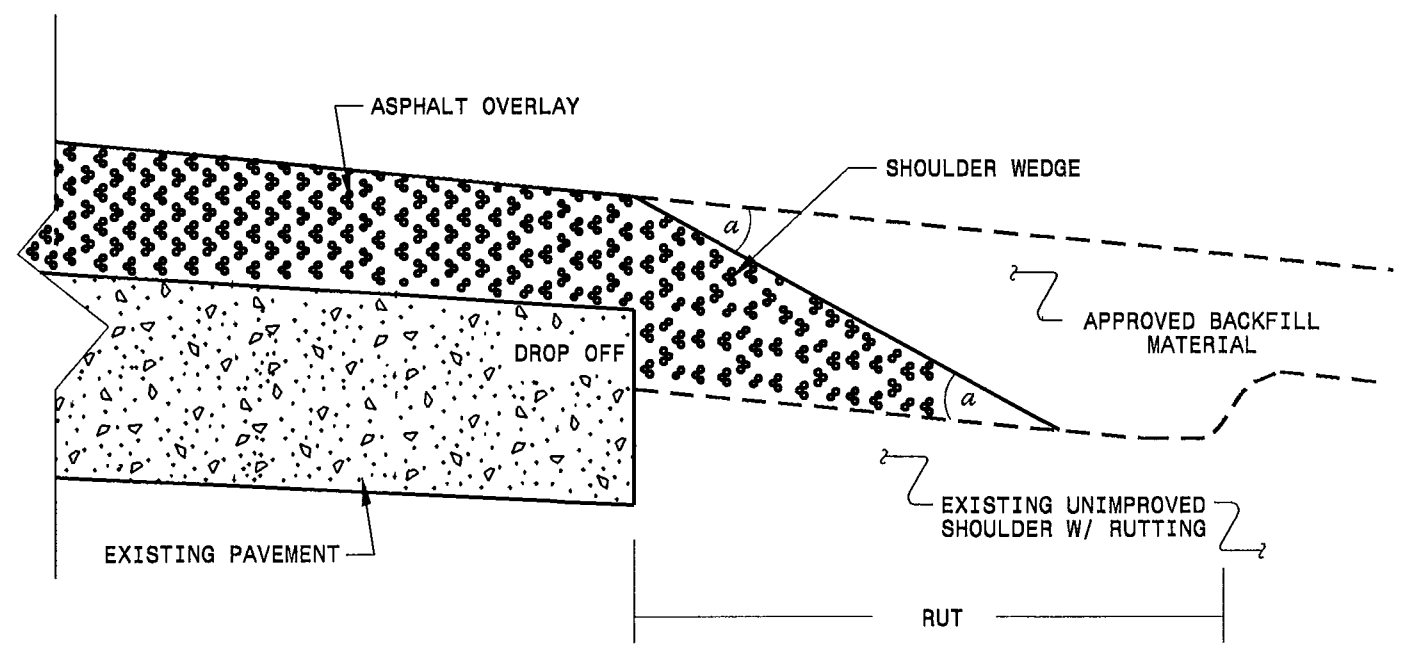


- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS DIRECTED BY THE ENGINEER.

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: 10/18/12	
CHECKED BY:	DATE:	
FILE SPEC.: s:\usr\details\stand\shoulderwedge\std1.dgn		

DAVIE Resurfacing Bridge List

									PROJECT NO.		SHEET NO.	
									2018CPT.09.03.10301 2018CPT.09.04.20301		10	
Map No.	Route No.	Route Name	Bridge No.	Feature Intersected	Floor Construction	Clear Roadway Width (Ft)	Horizontal Clearance Under (Ft.)	Vertical Clearance Under	2nd Opening Clearance Under	Length (Ft)	Posting	Recommended Treatment, From Bridge Maintenance
1	NC 801	NC 801	38	CEDAR CREEK	PPCCH, 6 AWS	29.1	NA	NA	NA	60	SV 40 TTST LGW	MILL 1 1/2" PAVE BACK 1 1/2" S9.5B
4	SR 1606	CORNATZER RD.	107	ELLSWORTH CREEK	PPCCS, 4 AWS	23.7	NA	NA	NA	41	NA	MILL 1 1/2" PAVE BACK 1 1/2" S9.5B
5	US 601	US 601	20	I40	7 5/8 RC SLAB	52	NA	NA	NA	254	NA	DO NOT MILL DO NOT PAVE

PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.09.03.10301, 2018CPT.09.04.20301	11	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1523000000-E	1575000000-E	1704000000-E	2830000000-N	2845000000-N	6000000000-E	6071010000-E	
										MI	FT	EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTI ON	MILLING ASPHALT PAVEMENT, 1 1/2"DEPTH	SURFACE COURSE, S9.SC	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	TEMPORARY SILT FENCE	WATTLE	
											CY	TONS	SMI	SY	TONS	TONS	TONS	EA	EA	LF	LF		
2018CPT.09.03.10301	Davie	1	NC 801	FROM PVMT JT AT RXR TRACK NEAR SR 1616 CORNATZER RD. TO EDGE OF PAVEMENT AT US 158	1	2	MU	NO	NO	5.71	24	685	300	11.42	85,231	7,914	467	20		7	2,284	228	
TOTAL FOR MAP NO. 1											5.71		685	300	11.42	85,231	7,914	467	20		7	2,284	228
2018CPT.09.03.10301	Davie	2	NC 901	US 64 PAVEMENT JT. TO IREDELL COUNTY LINE	1	2	2WU	NO	NO	0.759	24	91	45	1.52	10,687	993	59	20			304	30	
TOTAL FOR MAP NO. 2											0.759		91	45	1.52	10,687	993	59	20			304	30
2018CPT.09.03.10301	Davie	3	US 158 MAIN ST.	FROM NORTHEAST OF GAITHER ST. INTERSECTION TO US 64	2	2	2WU	NO	NO	0.247	36				8,129	753	44	20	7	15			
TOTAL FOR MAP NO. 3											0.247					8,129	753	44	20	7	15		
2018CPT.09.03.10301	Davie	4	US 601/US 64	US 158 PVMT. JT TO US 64/WILKESBORO ST.	4,5	2	MU	NO	NO	1.216	36	106	5	1.77	28,294	2,623	155	20	2	3	354	35	
TOTAL FOR MAP NO. 4											1.216		106	5	1.77	28,294	2,623	155	20	2	3	354	35
2018CPT.09.03.10301	Davie	5	US 601	US 64 TO I40	5	2	MU	NO	NO	1.645	36				40,611	3,764	222		13	9			
TOTAL FOR MAP NO. 5											1.645					40,611	3,764	222		13	9		
TOTAL FOR PROJ NO. 2018CPT.09.03.10301											9.577		882	350	14.71	172,952	16,047	947	80	22	34	2,942	293
2018CPT.09.04.20301	Davie	6	CORNATZER RD. SR 1606	US 64 TO WILLIAMS RD. SR 1610	1	2	2WU	NO	NO	1.705	23	205	180	3.41	25,989	2,413	142				682	68	
TOTAL FOR MAP NO. 6											1.705		205	180	3.41	25,989	2,413	142				682	68
2018CPT.09.04.20301	Davie	7	BEAR CREEK CHURCH RD. SR 1320	FROM APPROX. 100' EAST OF BEN ANDERSON RD. SR 1321 TO IREDELL COUNTY LINE	3	2	2WU	NO	NO	1.609	21.5	193	93	3.22		1,886	111				643	64	
TOTAL FOR MAP NO. 7											1.609		193	93	3.22		1,886	111				643	64
TOTAL FOR PROJ NO. 2018CPT.09.04.20301											3.314		398	273	6.63	25,989	4,299	253				1,325	132
GRAND TOTAL											12.891		1,280	623	21.34	198,941	20,346	1,200	80	22	34	4,267	425

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.
2018CPT.09.03.10301, 2018CPT.09.04.20301	12

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	441300000-E WORK ZONE ADVANCE/GE NERAL WARNING SIGNING	445700000-N TEMPORARY TRAFFIC CONTROL	468500000-E 4" X 90 M WHITE THERMO	468600000-E 4" X 120 M YELLOW THERMO	471000000-E 24" X 120 M WHITE THERMO	472100000-E THERMO MSG SCHOOL 120 M	472500000-E THERMO MSG ONLY 120 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR ARROW 90 M	THERMO STR & LT ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMOPLAS TIC PAVEMENT MARKINGSYM BOL 12" YIELD LINE TRIANGLE	481000000-E		483000000-E		483500000-E		484500000-N				4847010000-E		4847050000-E		490500000-N	
																							4" WHITE PAINT	4" YELLOW PAINT	8" YELLOW PAINT	8" WHITE PAINT	24" WHITE PAINT	PAINT LT ARROW	PAINT RT ARROW	PAINT STR ARROW	PAINT STR & RT ARROW	4" WHITE POLYUREA (HIGHLY REFLECTIVE ELEMENTS)	4" YELLOW POLYUREA (HIGHLY REFLECTIVE ELEMENTS)	8" YELLOW POLYUREA (HIGHLY REFLECTIVE ELEMENTS)	8" WHITE POLYUREA (HIGHLY REFLECTIVE ELEMENTS)	SNOW FLOWABLE MARKERS		
MI	FT	SF	LS	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA			
2018CPT.09.03.10301	Davie	1	NC 801	FROM PVMT JT AT RRR TRACK NEAR SR 1616 CORNATZER RD. TO EDGE OF PAVEMENT AT US 158	1	2	MU	5.71	24					92			1	1						60,550	62,536									60,550	62,536			377
		TOTAL FOR MAP NO. 1						5.71					92				1	1						60,550	62,536							60,550	62,536			377		
2018CPT.09.03.10301	Davie	2	NC 901	US 64 PAVEMENT JT. TO IREDELL COUNTY LINE	1	2	2WU	0.759	24														8,197	8,015							8,197	8,015			50			
		TOTAL FOR MAP NO. 2						0.759															8,197	8,015							8,197	8,015			50			
2018CPT.09.03.10301	Davie	3	US 158 MAIN ST.	FROM NORTHEAST OF GAITHER ST INTERSECTION TO US 64	2	2	2WU	0.247	36					129			4	1	2	3			2,399	2,598	21	338	129	4	1	2	3	2,399	2,598	21	338			
		TOTAL FOR MAP NO. 3						0.247					129				4	1	2	3			2,399	2,598	21	338	129	4	1	2	3	2,399	2,598	21	338			
2018CPT.09.03.10301	Davie	4	US 601/US 64	US 158 PVMT. JT TO US 64/WILKESBORO ST.	4,5	2	MU	1.216	36					108			41	4		7			5,609	17,355	57		108	41	4		7	5,609	17,355	57		161		
		TOTAL FOR MAP NO. 4						1.216					108				41	4		7			5,609	17,355	57		108	41	4		7	5,609	17,355	57		161		
2018CPT.09.03.10301	Davie	5	US 601	US 64 TO 140	5	2	MU	1.645	36					428			61	10	7	4	1	10									2,648	24,656	87	862				
		TOTAL FOR MAP NO. 5						1.645					428				61	10	7	4	1	10									2,648	24,656	87	862				
		TOTAL FOR PROJ NO. 2018CPT.09.03.10301						9.577		1,575	1		757				107	16	9	14	1	10	76,755	90,504	78	338	329	46	6	2	10	79,403	115,160	165	1,200	588		
		TOTAL FOR PROJ NO. 2018CPT.09.03.10301						9.577		1,575	1	757					107	16	9	14	1	10	76,755	90,504	78	338	329	46	6	2	10	79,403	115,160	165	1,200	588		
2018CPT.09.04.20301	Davie	6	CORNATZER RD. SR 1606	US 64 TO WILLIAMS RD. SR 1610	1	2	2WU	1.705	23			18,340	18,000	100	12	4	2	2																				
		TOTAL FOR MAP NO. 6						1.705				18,340	18,000	100	12	4	2	2																				
2018CPT.09.04.20301	Davie	7	BEAR CREEK CHURCH RD. SR 1320	FROM APPROX. 100' EAST OF BEN ANDERSON RD. SR 1321 TO IREDELL COUNTY LINE	3	2	2WU	1.609	21.5			17,307	16,986																									
		TOTAL FOR MAP NO. 7						1.609				17,307	16,986																									
		TOTAL FOR PROJ NO. 2018CPT.09.04.20301						3.314				35,647	34,986	100	12	4	2	2																				
		TOTAL FOR PROJ NO. 2018CPT.09.04.20301						3.314				35,647	34,986	100	12	4	2	2																				
		GRAND TOTAL						12.891		1,575	1	35,647	34,986	857	12	4	109	18	9	14	1	10	76,755	90,504	78	338	329	46	6	2	10	79,403	115,160	165	1,200	588		
		GRAND TOTAL						12.891		1,575	1	35,647	34,986	857	12	4	109	18	9	14	1	10	76,755	90,504	78	338	329	46	6	2	10	79,403	115,160	165	1,200	588		

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