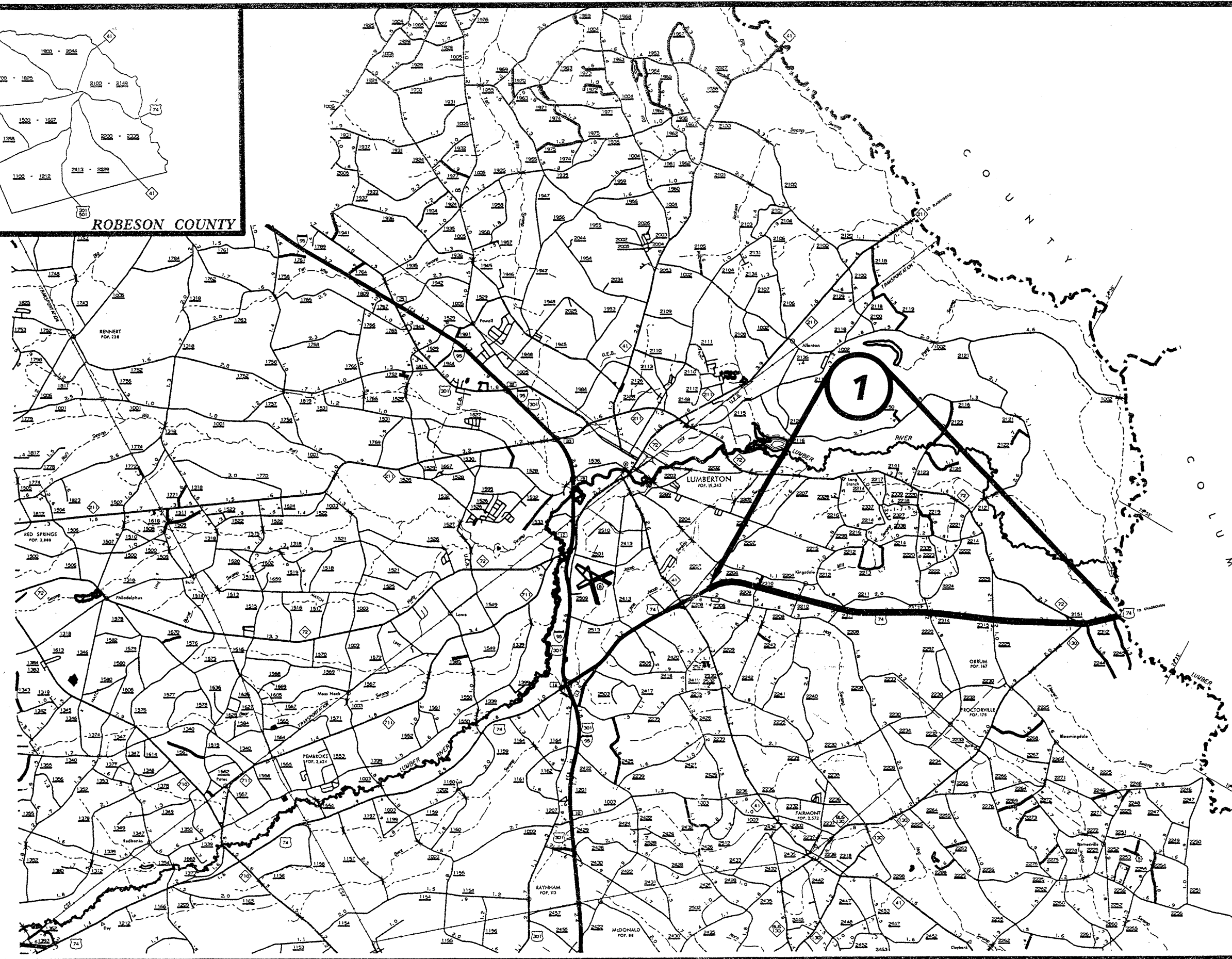
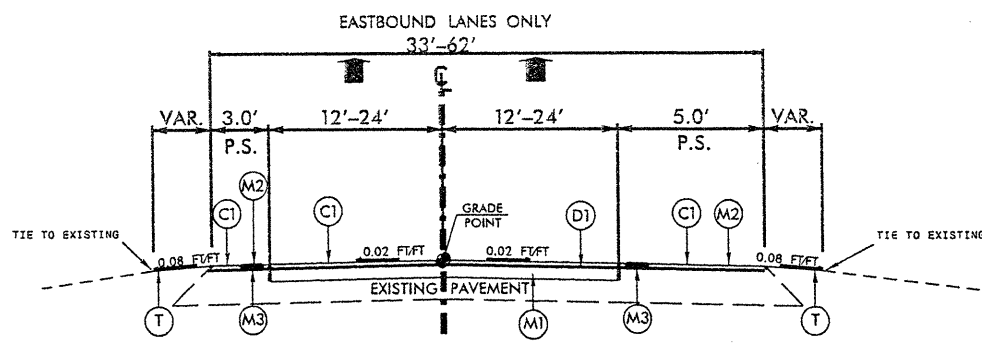


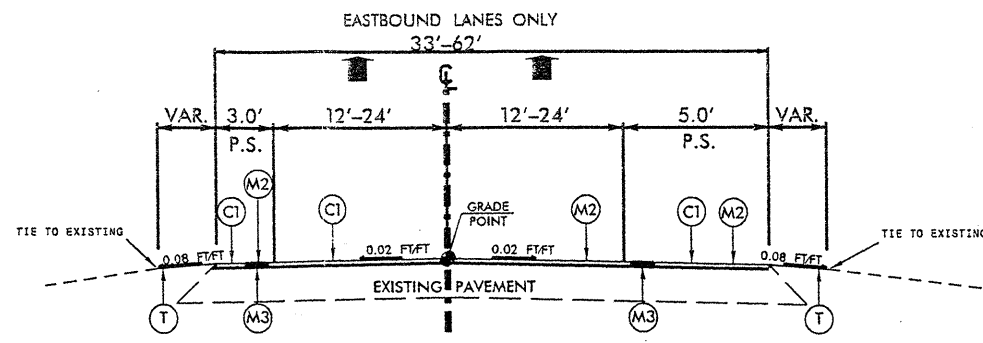
ROBESON COUNTY



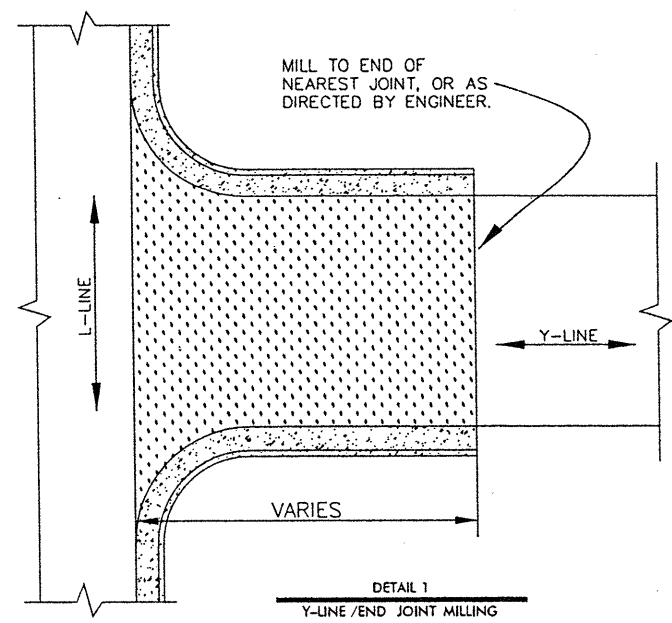
ROBESON COUNTY  
RESURFACING



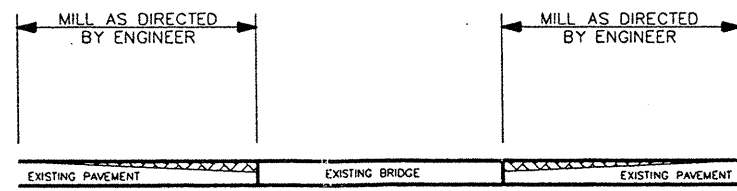
**TYPICAL SECTION NO. 1**  
 TO BEGIN AT CONSTRUCTION JOINT NEAR US 74 ON-RAMP AT NC 41 THEN PROCEEDING EASTWARDLY FOR 1000 FEET.  
 NOTE: INCLUDES INCIDENTAL MILLING AT THE ENDS OF SECTIONS FOR SMOOTH TIE-INS, CURB RADII, BRIDGE DECKS, AND STREET INTERSECTIONS, AS NEEDED OR AS DIRECTED BY THE ENGINEER. SEE DETAILS 1 & 2.



**TYPICAL SECTION NO. 2**  
 BEGIN 1000 FEET EAST OF CONSTRUCTION JOINT ON US 74 AT NC 41, PROCEEDING TO COLUMBUS CO. LINE.  
 NOTE: INCLUDES INCIDENTAL MILLING AT THE ENDS OF SECTIONS FOR SMOOTH TIE-INS, CURB RADII, BRIDGE DECKS, AND STREET INTERSECTIONS, AS NEEDED OR AS DIRECTED BY THE ENGINEER. SEE DETAILS 1 & 2.

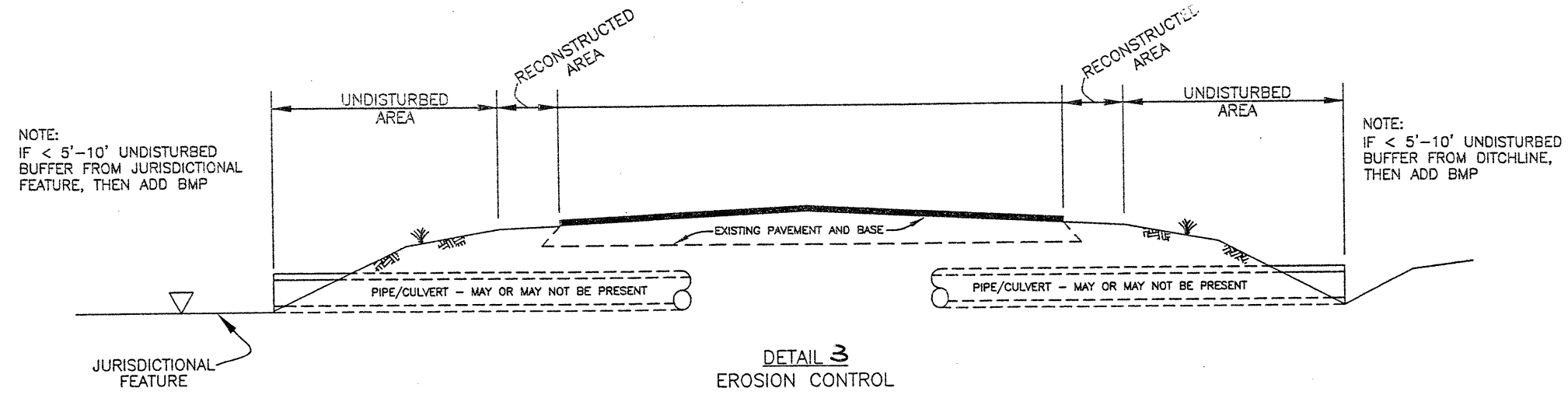


**DETAIL 1**  
 Y-LINE / END JOINT MILLING  
 NOTE: INCLUDES INCIDENTAL MILLING AT THE ENDS OF SECTIONS FOR SMOOTH TIE-INS, CURB RADII, AND STREET INTERSECTIONS, AS NEEDED, OR AS DIRECTED BY THE ENGINEER.

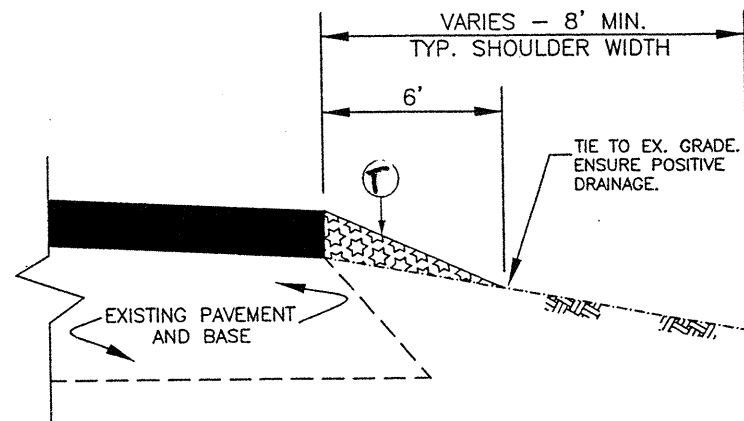


**DETAIL 2**  
 MILLING APPROACHES  
 NOTE: MILLING SHALL BE PERFORMED AT BRIDGE APPROACHES AND UNDERNEATH OVERPASS TO SUSTAIN VERTICAL CLEARANCE, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH DETAIL 2.

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.SC, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
D1	PROP. APPROX. 2½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
M1	MILLING BITUMINOUS PAVEMENT. 3" DEPTH. TRAVEL LANES ONLY.
M2	PROFILE MILLING OF BITUMINOUS PAVEMENT ½" IN DEPTH.
M3	MILLING PROPOSED RUMBLE STRIPS.
T	SHOULDER RECONSTRUCTION.



- NOTES:**
1. MAINTAIN A 5'-10' VEGETATED, UNDISTURBED BUFFER FROM ROW, DITCHLINE, WATER FEATURE OR DRAINAGE INLET, WHICH ELIMINATES THE NEED FOR BMP'S.



- NOTES:**
1. SHOULDER SHALL BE RECONSTRUCTED FROM THE EDGE OF PAVEMENT OUT TO A WIDTH OF 6'. ENSURE POSITIVE DRAINAGE AWAY FROM ROADWAY.
  2. ASB MATERIAL SHALL BE PLACED USING A WIDENING MACHINE OR SIMILAR DEVICE.
  3. A VEGETATIVE BUFFER SHALL BE MAINTAINED BETWEEN THE DISTURBED AREA ALONG THE EDGE OF PAVEMENT AND THE DITCH SHOULDER POINT TO MINIMIZE EROSION. PULLING DITCHES OR CUTTING SHOULDERS TO GENERATE BORROW MATERIAL WILL NOT BE ALLOWED.
  4. REQUIRED BORROW MATERIAL MAY BE OBTAINED FROM WIDENING OPERATIONS WITHIN THE PROJECT LIMITS, OR FROM NCDOT STOCKPILES. ANY EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN APPROVED DISPOSAL SITE.

PROJECT NO.	SHEET NO.	TOTAL NO.
R-5510	4	

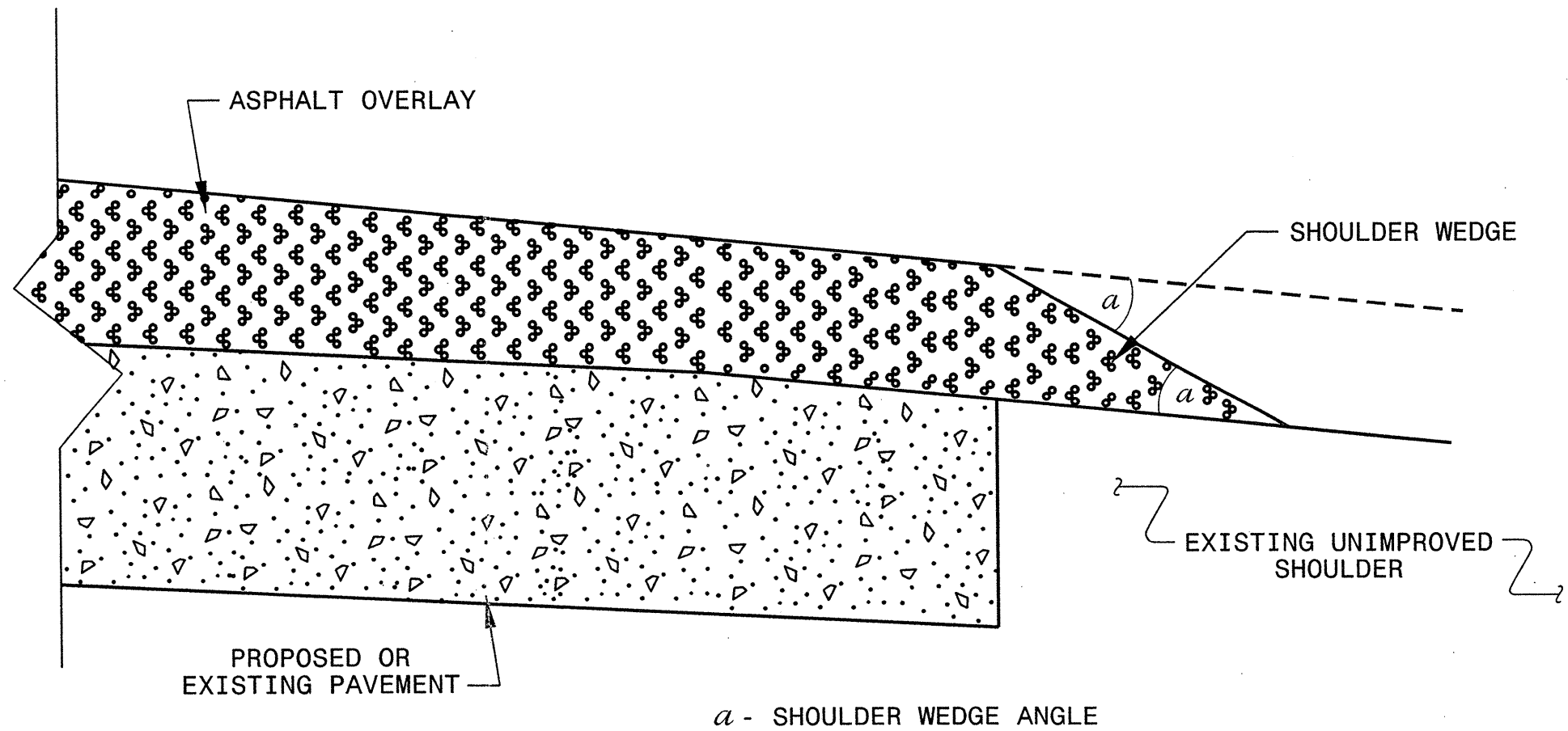
## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	BORROW CY	SHOULDER RECONSTRUCTION SMI	AGGREGATE SHOULDER BORROW TONS	0.5" MILLING SY	3.0" MILLING SY	INCIDENTAL MILLING SY	INTERMEDIATE COURSE, 119.0C TONS	SURFACE COURSE, S9.5C TONS	ASPHALT BINDER FOR PLANT MIX TONS
R-5510	Robeson	1	US 74	FROM CJ EAST OF NC 41 (MP 21.75) TO COLUMBUS CO. LINE (MP 32.7)	2, 1	NO	10.9	33	200	21.80	8,720	226,377	2,787	2,000	397	25,339	1,514
<b>TOTAL FOR PROJ NO. R-5510</b>							<b>10.9</b>		<b>200</b>	<b>21.80</b>	<b>8,720</b>	<b>226,377</b>	<b>2,787</b>	<b>2,000</b>	<b>397</b>	<b>25,339</b>	<b>1,514</b>
<b>GRAND TOTAL</b>							<b>10.9</b>		<b>200</b>	<b>21.80</b>	<b>8,720</b>	<b>226,377</b>	<b>2,787</b>	<b>2,000</b>	<b>397</b>	<b>25,339</b>	<b>1,514</b>

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE) LF	SEED & MULCHING AC
R-5510	Robeson	1	US 74	FROM CJ EAST OF NC 41 (MP 21.75) TO COLUMBUS CO. LINE (MP 32.7)	2, 1	NO	10.9	33	115,104	1.00
<b>TOTAL FOR PROJ NO. R-5510</b>							<b>10.9</b>		<b>115,104</b>	<b>1.00</b>
<b>GRAND TOTAL</b>							<b>10.9</b>		<b>115,104</b>	<b>1.00</b>

## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4399000000-N		4686000000-E		4688000000-E		4690000000-E		4710000000-E		4725000000-E			4810000000-E	4900000000-N	
							TEMPORARY TRAFFIC CONTROL LS	4" X 120 M YELLOW THERMO LF	6" X 90 M WHITE THERMO LF	6" X 90 M YELLOW THERMO LF	6" X 120 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO LT ARROW 90 M EA	THERMO RT ARROW 90 M EA	THERMO STR ARROW 90 M EA	4" WHITE PAINT LF	CRYSTAL & RED MARKERS EA	YELLOW & YELLOW MARKERS EA				
R-5510	Robeson	1	US 74	FROM CJ EAST OF NC 41 (MP 21.75) TO COLUMBUS CO. LINE (MP 32.7)	10.9	33	1	1,200	55,500	55,500	15,890	260	15	11	30	16,000	750	10				
<b>TOTAL FOR PROJ NO. R-5510</b>					<b>10.9</b>		<b>1</b>	<b>1,200</b>	<b>55,500</b>	<b>55,500</b>	<b>15,890</b>	<b>260</b>	<b>15</b>	<b>11</b>	<b>30</b>	<b>16,000</b>	<b>750</b>	<b>10</b>				
<b>GRAND TOTAL</b>					<b>10.9</b>		<b>1</b>	<b>1,200</b>	<b>55,500</b>	<b>55,500</b>	<b>15,890</b>	<b>260</b>	<b>15</b>	<b>11</b>	<b>30</b>	<b>16,000</b>	<b>750</b>	<b>10</b>				



## SHOULDER WEDGE DETAIL

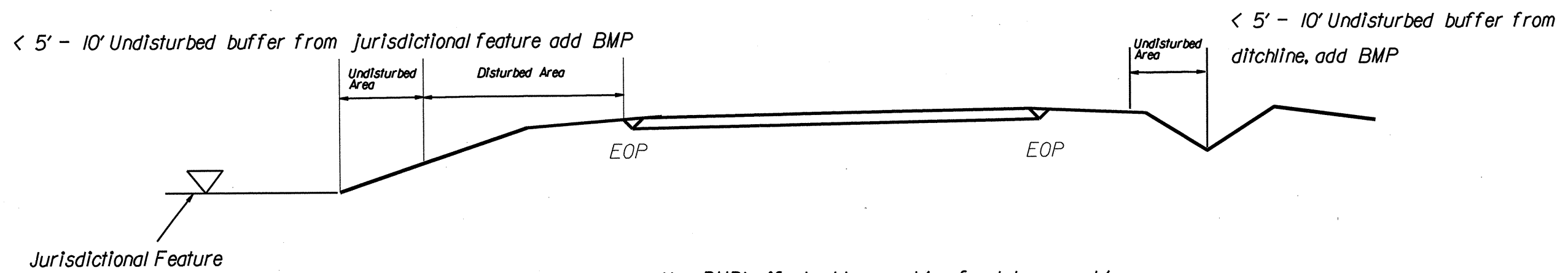
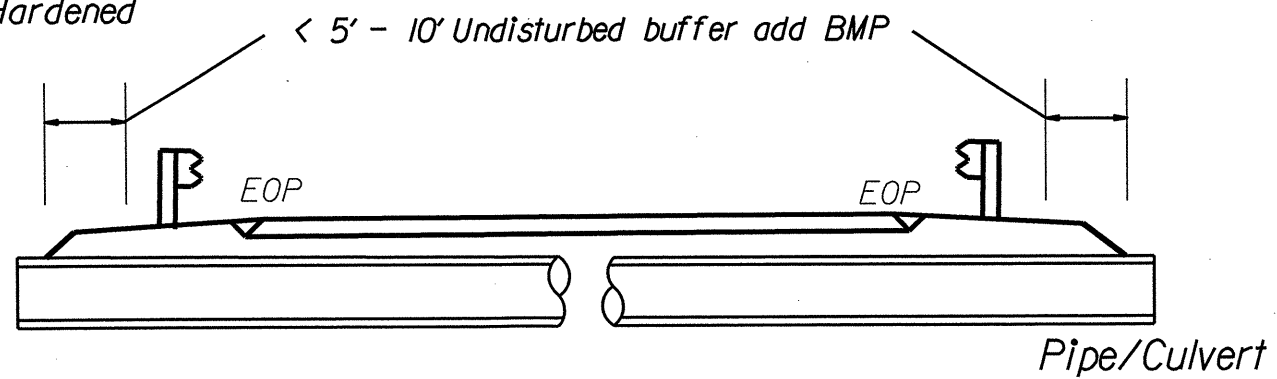
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<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b> Office 919-707-6950 FAX 919-250-4119	
<b>SHOULDER WEDGE DETAIL</b>	
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MODIFIED BY:	DATE:
CHECKED BY:	DATE:
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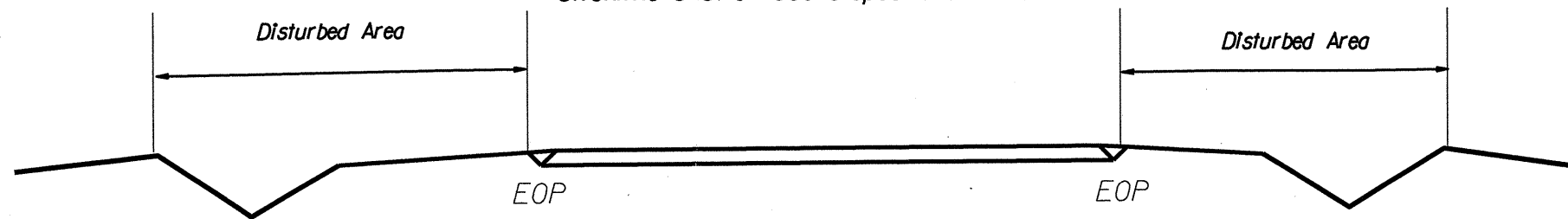
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

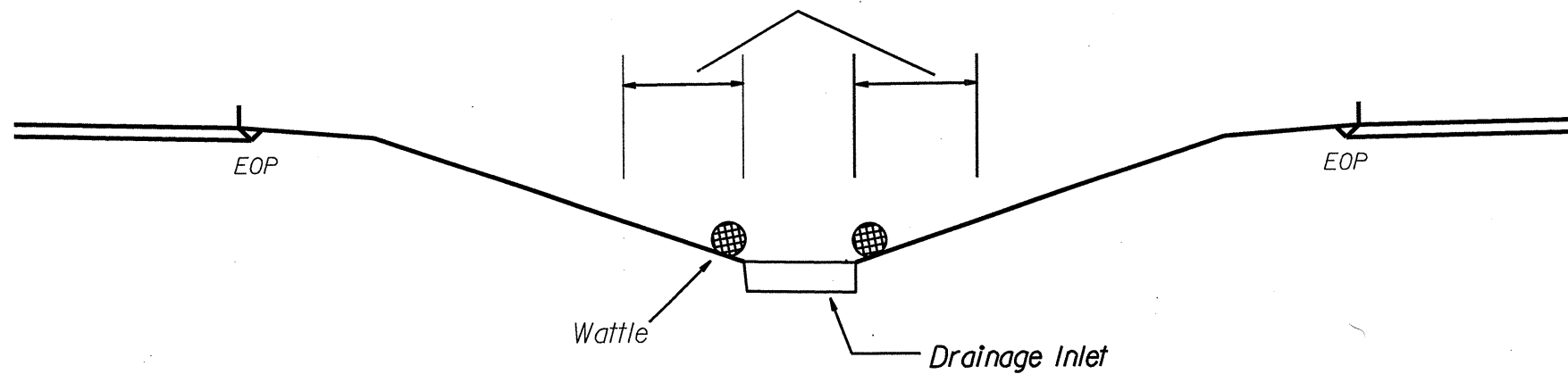
# EROSION CONTROL DETAIL



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