


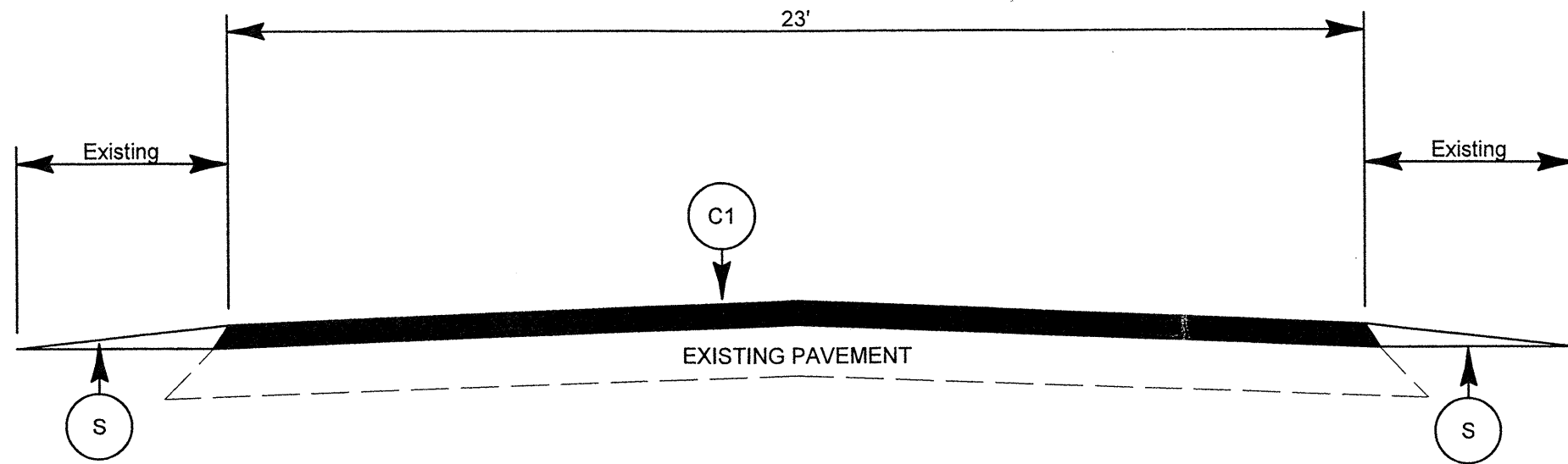
2011 PERSON COUNTY RESURFACING

 LOCATIONS OF HIGH QUALITY WATER
NPDES MONITORING IS NOT REQUIRED
IF NON ERODIBLE MATERIAL USED FOR
SHOULDER RECONSTRUCTION IN THESE AREAS

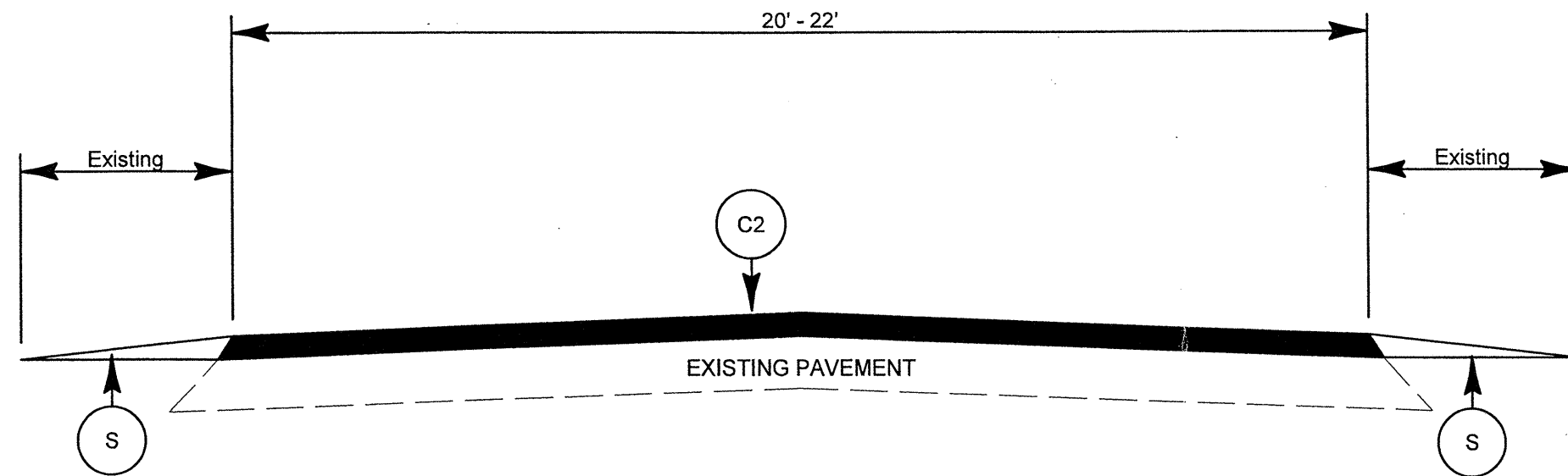
MAP 2 just west of intersection of SR 1166, South Hyco Creek,
DWQ Index No. 22-58-4-(3), WS-II HQW CA

MAP 2 just west of intersection of SR 1157, Satterfield Creek,
DWQ Index No. 22-58-12-2-(1), WS-II HQW

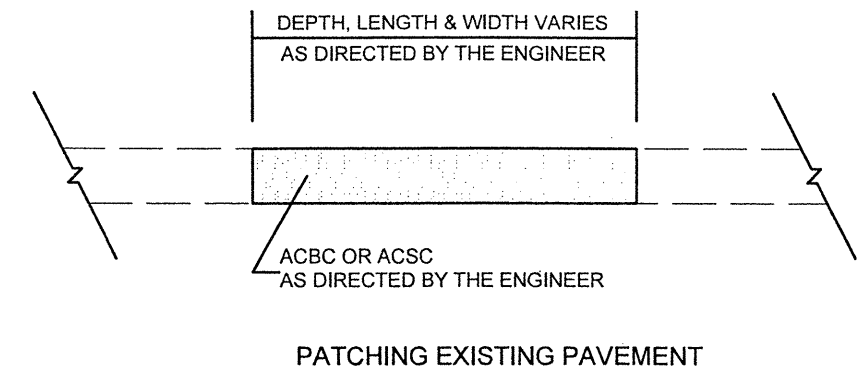
PROJECT NO. 5C.073056, 5CR.10731.10, 5CR.20131.10,	SHEET NO. 2	TOTAL SHEETS
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TYPICAL SECTION NO. 1

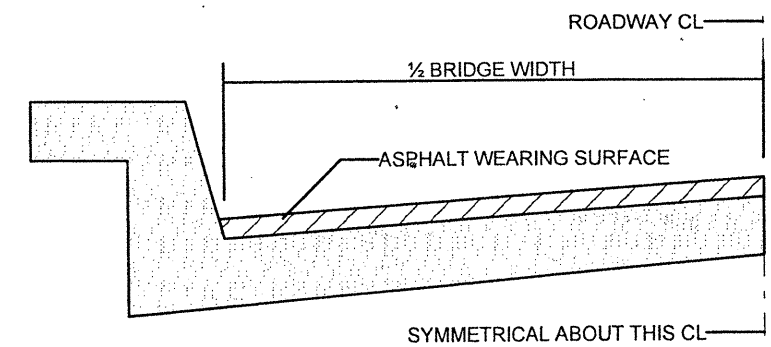


TYPICAL SECTION NO. 2



PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVG. RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVG. RATE OF 165 LBS. PER SQ. YD.
S	SHOULDER RECONSTRUCTION

PROJECT NO.	SHEET NO.	TOTAL SHEETS
5C.073056, 5CR.10731.10, 5CR.20131.10,	3	



BRIDGE HALF TYPICAL SECTION

FOR BRIDGES WITH FLOOR DRAINS, CARE SHALL BE EXERCISED IN PLACING THE WEARING SURFACE AROUND FLOOR DRAINS SO AS NOT TO HINDER EFFECTIVE DRAINAGE. ALL DRAINS SHALL BE LEFT OPEN

THE PROPOSED WEARING SURFACE SHALL VARY IN THICKNESS AS NECESSARY TO PROVIDE A SMOOTH RIDING SURFACE. THE MINIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1/2", SF9.5A 1.0", S9.5X 1.5", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 1/4", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 1/2". THE MAXIMUM THICKNESS SHOULD DEPEND ON PAVEMENT TYPE AS FOLLOWS: S4.75A 1.0", SF9.5A 1.5", S9.5X 2.0", S12.5X 2.0", ULTRATHIN HOT MIX ASPHALT-TYPE A 1/4", ULTRATHIN HOT MIX ASPHALT-TYPE B 5/8", ULTRATHIN HOT MIX ASPHALT-TYPE C 1/2".

NOTES

ALL UNPAVED ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT.
 ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
 SHOULDERS AND DITCHES ARE TO BE CONSTRUCTED BY OTHERS UNLESS OTHERWISE INDICATED.
 BRIDGES ARE TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

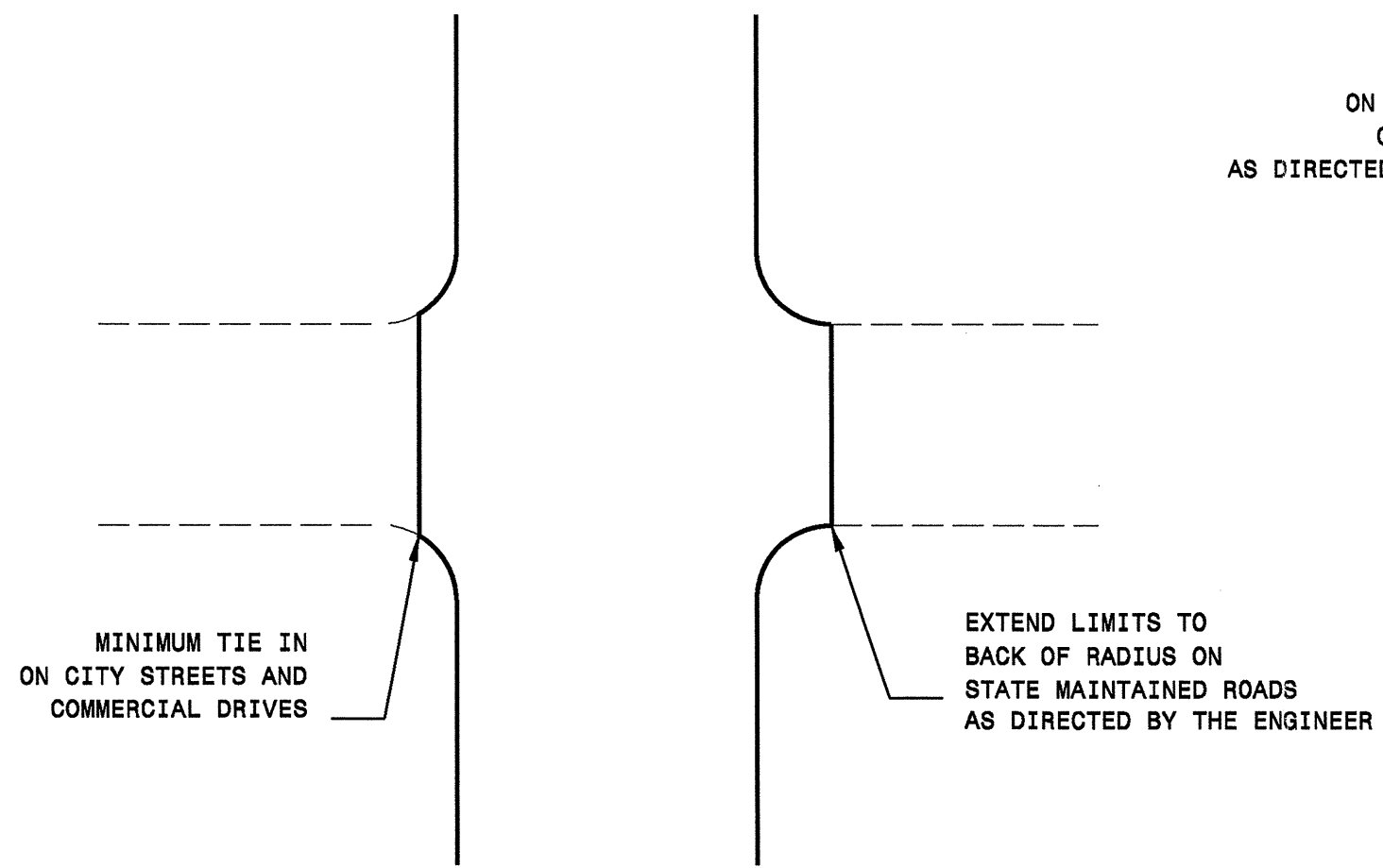
PROJECT NO.	SHEET NO.	TOTAL NO.
5C.073056, 5CR.10731.10 5CR.20131.10,	4	

SUMMARY OF QUANTITIES

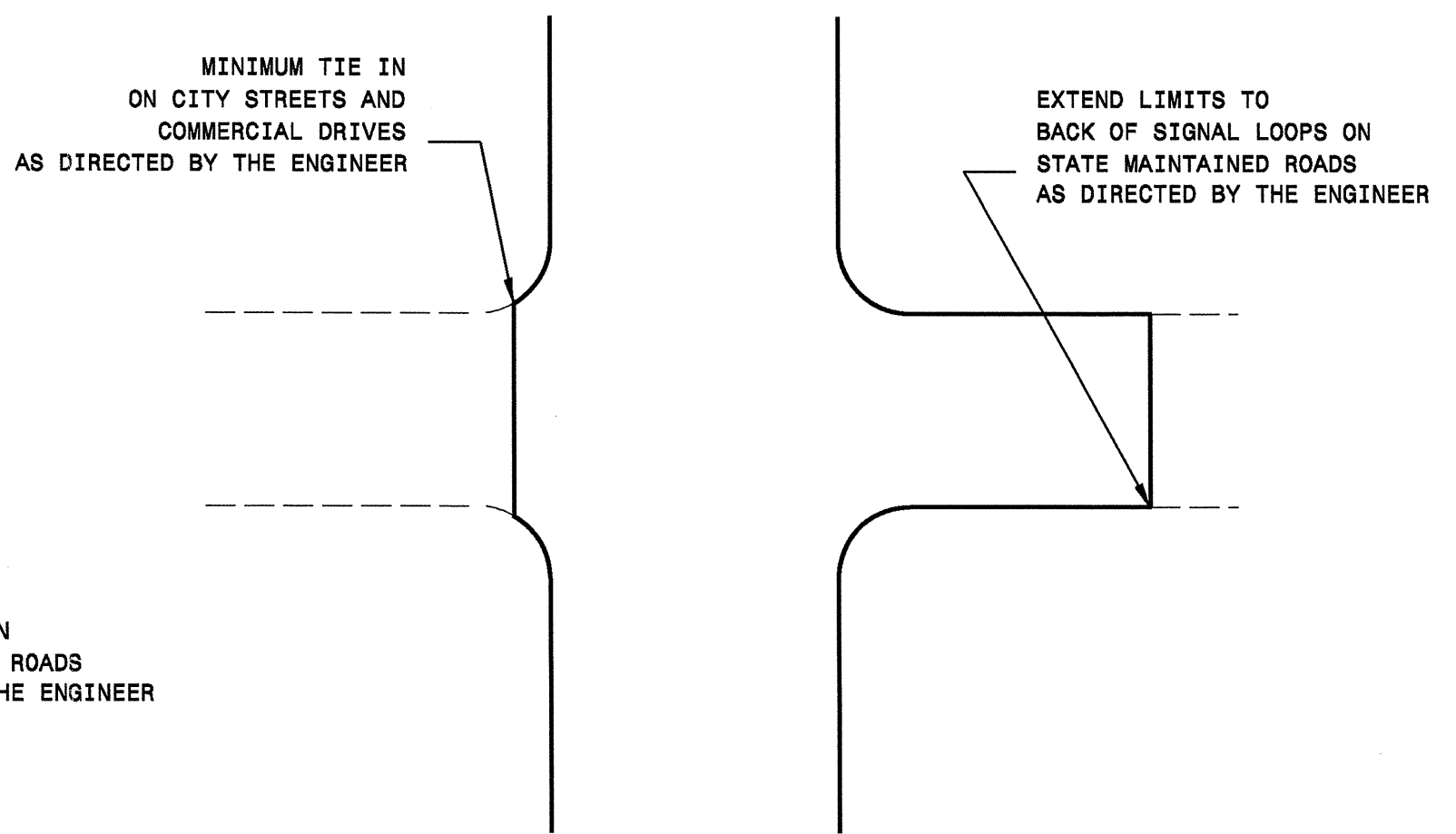
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT ALLOWED?	LENGTH MI	WIDTH FT	AGGREGATE SHOULDER BORROW TON	BORROW CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1 1/2" MILLING SY	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TON	PG 64-22 PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	SEED & MULCHING AC
5C.073056	Person	1	SR 1134 (SATTERFIELD RD.)	FROM NC 157 TO SR 1123 (DICK HOLLIMAN RD.)	2	NO	YES	3.9	22	90	685	200	7.80	110	325		4,176	271	900	5.70
TOTAL FOR MAP NO. 1								3.9		90	685	200	7.80	110	325		4,176	271	900	5.70
TOTAL FOR PROJ NO. 5C.073056								3.9		90	685	200	7.80	110	325		4,176	271	900	5.70
5CR.10731.10	Person	2	US 158 W	FROM SR 1157 (DEE LONG RD.) TO THE CASWELL CO LINE	1	NO	NO	7.2	23	50	1,410	300	14.40	385	900	8,369		502	500	10.30
TOTAL FOR MAP NO. 2								7.2		50	1,410	300	14.40	385	900	8,369		502	500	10.30
TOTAL FOR PROJ NO. 5CR.10731.10								7.2		50	1,410	300	14.40	385	900	8,369		502	500	10.30
5CR.20131.10	Person	3	SR 1512 (BOWMANTOWN RD.)	FROM US 501 TO THE BRIDGE OVER MAYO LAKE	2	NO	YES	2.1	20	10	410	85	4.20		350		2,046	133	550	3.00
		"	"	FROM THE BRIDGE OVER MAYO LAKE TO NC 49	2	NO	YES	2.2	20	30	430	90	4.40		350		2,143	139	550	3.20
TOTAL FOR MAP NO. 3								4.3		40	840	175	8.60		700		4,189	272	1,100	6.20
		4	SR 1195/1196 INDUSTRIAL DR.	FROM NC 157 TO US 501	2	NO	YES	0.9	20	10	176	40	1.80		300		877	57	250	1.30
TOTAL FOR MAP NO. 4								0.9		10	176	40	1.80		300		877	57	250	1.30
TOTAL FOR PROJ NO. 5CR.20131.10								5.2		50	1,016	215	10.40		1,000		5,066	329	1,350	7.50
GRAND TOTAL								16.3		190	3,111	715	32.60	495	2,225	8,369	9,242	1,102	2,750	23.50

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4685000000-E	4686000000-E	4770000000-E		4850000000-E	4900000000-N	4905000000-N
					4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	4" WHITE COLD APPLIED PLASTIC, TYPE III LF	4" YELLOW COLD APPLIED PLASTIC, TYPE III LF	4" LINE REMOVAL LF	YELLOW & YELLOW MARKERS EA	SNOW PLOWABLE MARKERS EA
5C.073056	Person	1	SR 1134 (SATTERFIELD RD.)	FROM NC 157 TO SR 1123 (DICK HOLLIMAN RD.)	41,964	25,740				260	
TOTAL FOR MAP NO. 1					41,964	25,740				260	
TOTAL FOR PROJ NO. 5C.073056					41,964	25,740				260	
5CR.10731.10	Person	2	US 158 W	FROM SR 1157 (DEE LONG RD.) TO THE CASWELL CO LINE	77,472	47,520					478
TOTAL FOR MAP NO. 2					77,472	47,520					478
TOTAL FOR PROJ NO. 5CR.10731.10					77,472	47,520					478
5CR.20131.10	Person	3	SR 1512 (BOWMANTOWN RD.)	FROM US 501 TO THE BRIDGE OVER MAYO LAKE	22,596	13,860	1,700	1,700	2,765	140	
		"	"	FROM THE BRIDGE OVER MAYO LAKE TO NC 49	23,672	14,520				150	
TOTAL FOR MAP NO. 3					46,268	28,380	1,700	1,700	2,765	290	
		4	SR 1195/1196 INDUSTRIAL DR.	FROM NC 157 TO US 501	9,684	9,684					
TOTAL FOR MAP NO. 4					9,684	9,684					
TOTAL FOR PROJ NO. 5CR.20131.10					55,952	38,064	1,700	1,700	2,765	290	
GRAND TOTAL					175,388	111,324	1,700	1,700	2,765	550	478
							3,400				



DETAIL OF PROJECT LIMITS AT
UNSIGNALIZED Y LINES



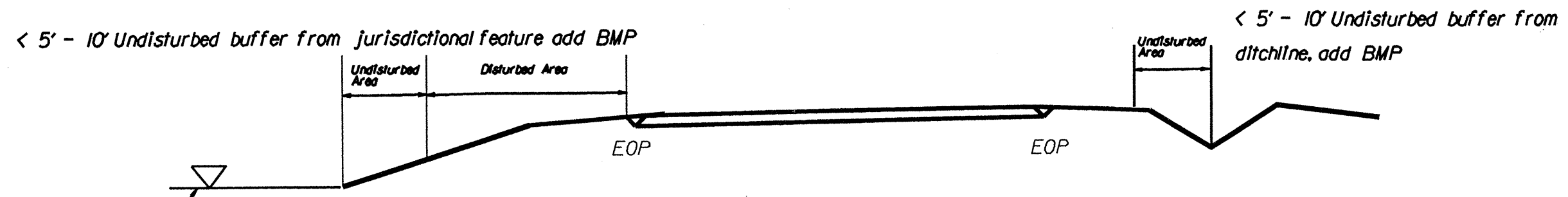
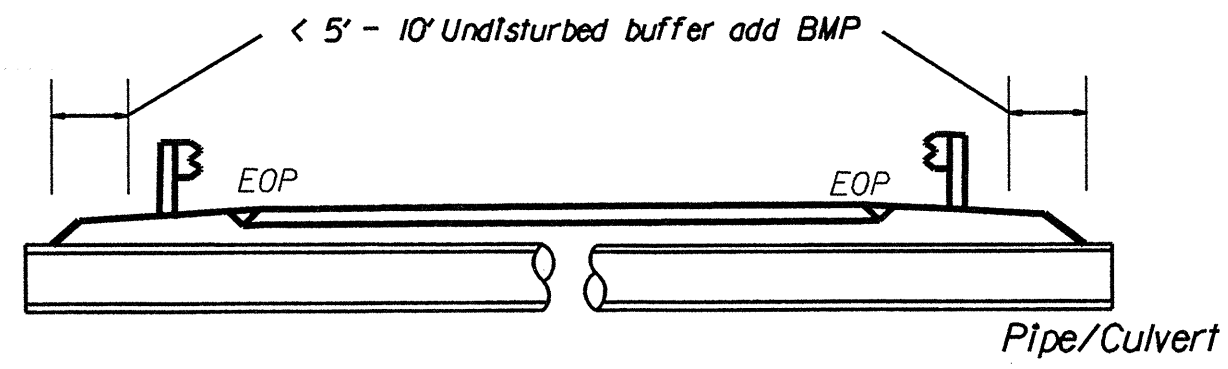
DETAIL OF PROJECT LIMITS AT
SIGNALIZED Y LINES

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

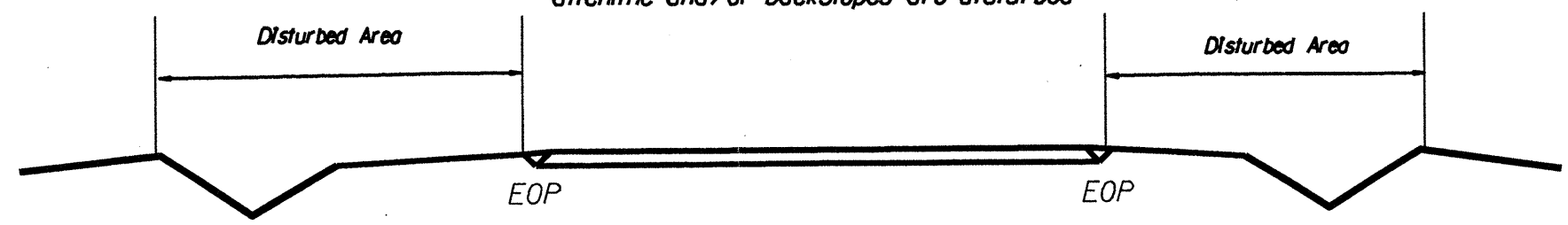
BMP Options: Wattle, Silt Fence, or Hardened Aggregate.

EROSION CONTROL DETAIL

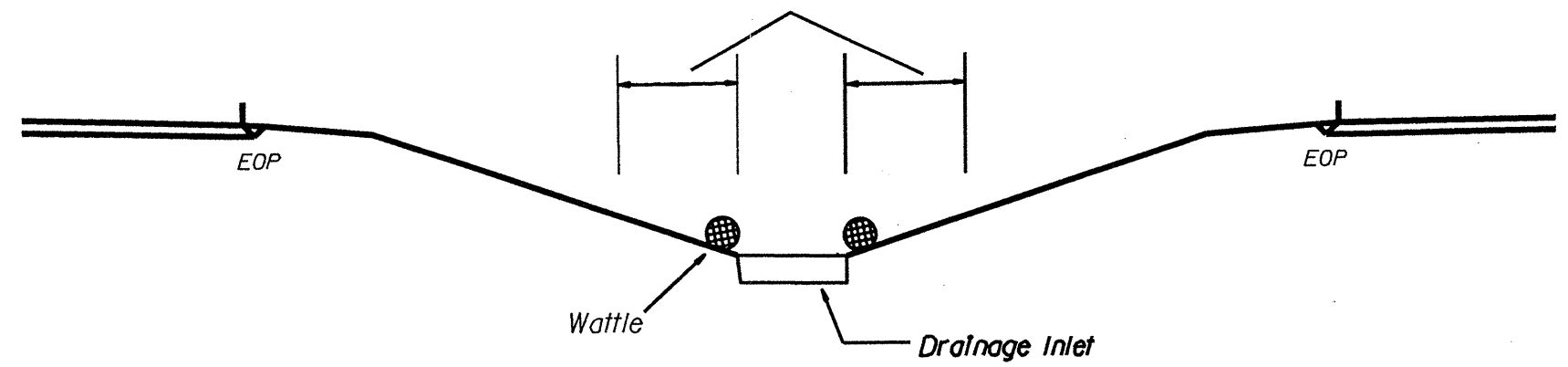
1-1111	EC-02/0001.21



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



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








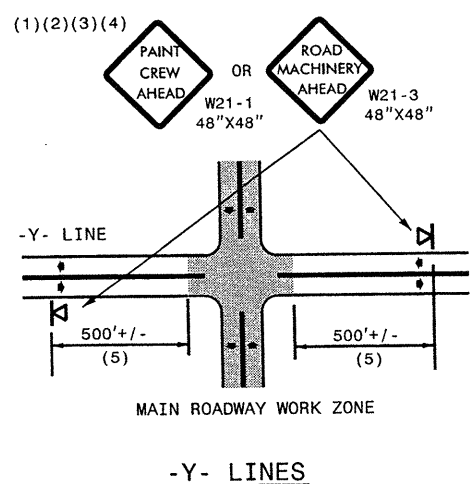
NOT TO SCALE

GENERAL NOTES

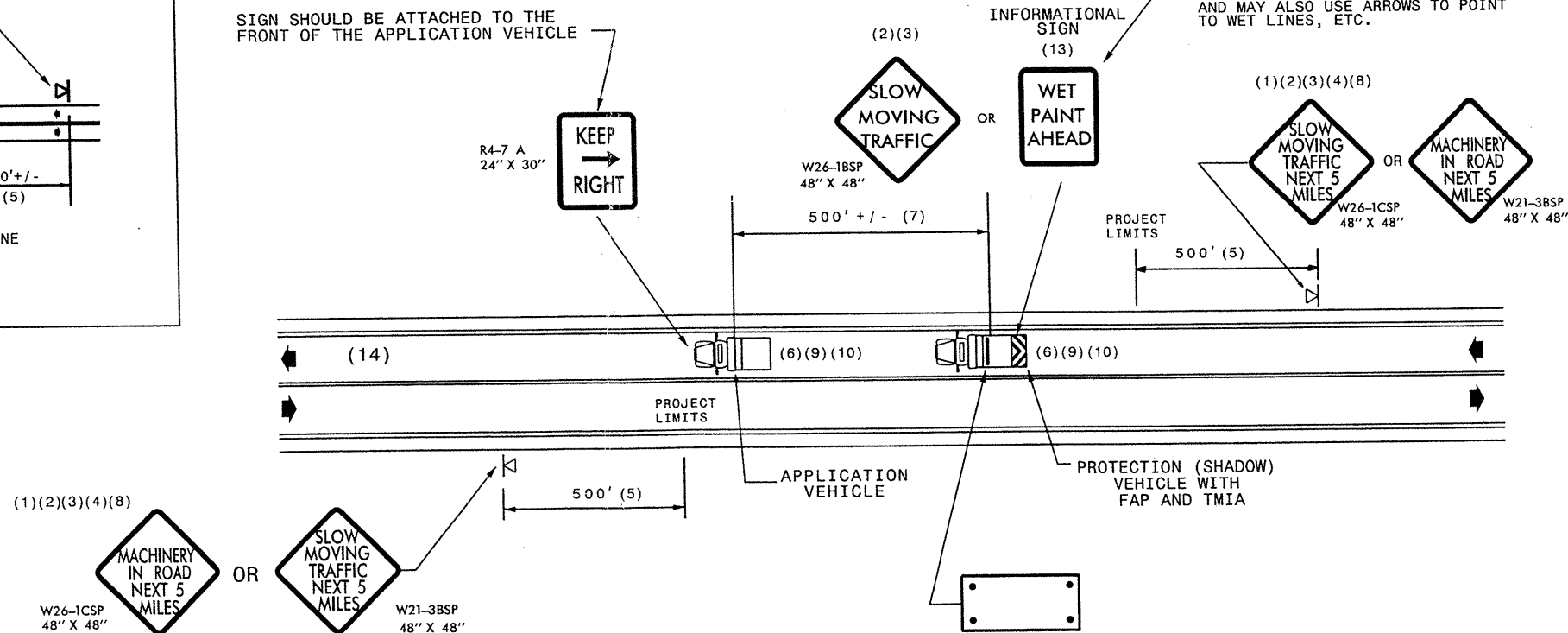
- (1) THE FOLLOWING OPTIONS MAY BE USED FOR ADVANCE WARNING SIGNS:
 - A. TRUCK MOUNTED SIGNS
 - B. TRUCK MOUNTED CHANGEABLE MESSAGE SIGN (CMS)
 - C. GROUND MOUNTED ADVANCE WARNING SIGNS (MUST CIRCLE TO PICK UP SIGNS)
 - D. GROUND MOUNTED CHANGEABLE MESSAGE SIGN (CMS) (MUST USE CIRCLE TO PICK UP SIGNS)
- (2) ALL ADVANCE WARNING SIGNS MUST BE 48" X 48" WITH FLUORESCENT ORANGE TYPE VII, VIII OR IX SHEETING. IF SPACE LIMITATIONS ON SHOULDER PROHIBIT A 48" X 48" SIGN, A SMALLER SIGN CAN BE USED WITH APPROVAL FROM ENGINEER.
- (3) SIGNS ON VEHICLES SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND AND SHOULD NOT BLOCK THE MOTORIST'S SIGHT OF THE FLASHING ARROW PANEL AND/OR LIGHTBAR.
- (4) GROUND MOUNTED ADVANCED WARNING SIGNS SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND TO BOTTOM OF SIGN.
- (5) SIGN SPACING SHOULD BE ADJUSTED FOR HORIZONTAL AND VERTICAL CURVES, ETC. TO IMPROVE SIGHT DISTANCES.
- (6) ADDITIONAL VEHICLES SHOULD BE USED IN WORK CARAVAN TO FACILITATE DRYING OF PAVEMENT MARKING MATERIAL (TMIA'S ARE OPTIONAL ON THESE ADDITIONAL VEHICLES). HOWEVER, THE FIRST VEHICLE MOTORISTS SEE IN THE TRAVEL LANE SHALL HAVE A TMIA.
- (7) ADJUST DISTANCE AS NEEDED TO PREVENT MOTORISTS FROM ENTERING SPACE BETWEEN THE APPLICATION AND PROTECTION VEHICLE. DISTANCE CAN BE LENGTHENED TO ACCOMMODATE SIGHT DISTANCE NEEDS.
- (8) ROUND UP MILEAGE TO NEXT WHOLE MILE. WORK ZONE SHOULD NOT EXCEED FIVE (5) MILES IN LENGTH.
- (9) RADIO COMMUNICATION BETWEEN VEHICLES IS REQUIRED.
- (10) USE OF A LIGHT BAR ON ALL VEHICLES IS PREFERRED, BUT A ROTATING BEACON MAY BE USED INSTEAD.
- (11) IF WORK IS PERFORMED AT NIGHT, THE WORK AREA MUST BE ILLUMINATED WITH MACHINE AND/OR TOWER LIGHTS AS APPROVED BY THE ENGINEER.
- (12) ALL TRAFFIC CONTROL DEVICES WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS FOR PAVEMENT MARKING AND MARKERS.
- (13) INFORMATIONAL SIGNS SHOULD BE ACTIVITY SPECIFIC, i.e. "PAINT CREW IN ROAD". SIGNS MAY BE RECTANGULAR OR DIAMOND SHAPE. SIGN SIZE SHOULD BE BASED ON THE MOTORIST ABILITY TO RECOGNIZE SIGN WHEN TRAVELING FIVE (5) MILES ABOVE POSTED SPEED LIMIT.
- (14) IF A LEAD VEHICLE IS ADDED TO OPERATION, IT SHOULD HAVE THE SAME ADVANCE WARNING SIGNS AS THE APPLICATION VEHICLE SHOWN BELOW.

LEGEND

-  PORTABLE SIGN. SIGNS MUST BE NCHRP-350 AND NCDOT APPROVED.
-  DIRECTION OF TRAFFIC FLOW
-  APPLICATION VEHICLE WITH LIGHT BAR
-  PROTECTION VEHICLE WITH TRUCK MOUNTED IMPACT ATTENUATOR (TMIA) AND LIGHT BAR (SEE ROADWAY STANDARD NO. 1165.01). TMIA MUST BE NCHRP-350 TEST LEVEL 3 (60+MPH) APPROVED.
-  FLASHING ARROW PANEL, TYPE "B" (60"X30" MIN.), "CAUTION MODE"



SIGN SHOULD BE ATTACHED TO THE FRONT OF THE APPLICATION VEHICLE



MOVING OPERATION CARAVAN

(OPERATIONS TRAVELING 3 MPH OR FASTER)
PLACING PAVEMENT MARKING OR MARKERS
ON TWO-LANE TWO-WAY ROADWAYS

DRAWING NUMBER 6
IMPLEMENTATION DATE: 07/01/97
REVISED: 11/03/04