

CONTRACT NO.: C202939 WBS ELEMENT: IC.072062, ETC.

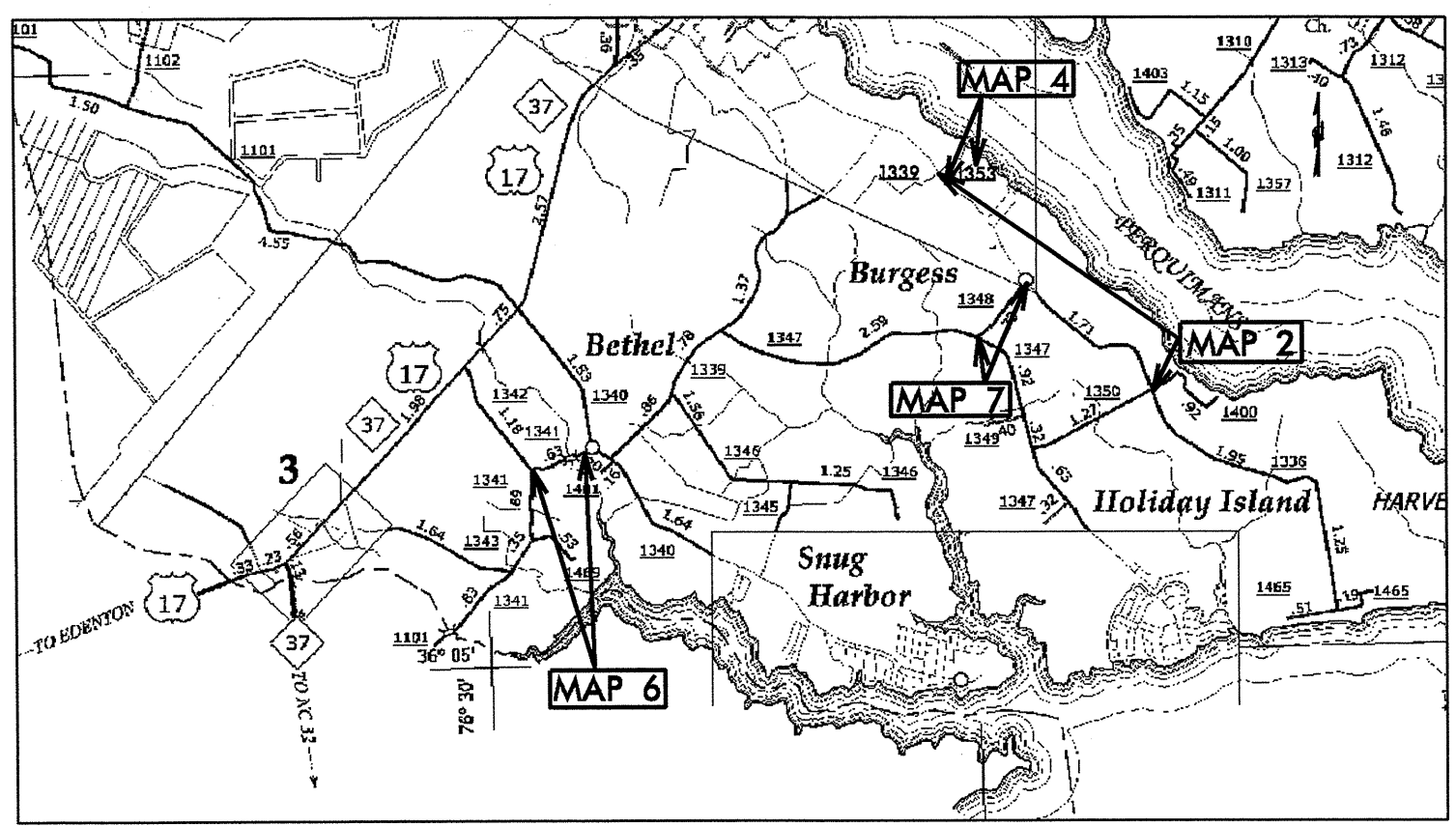
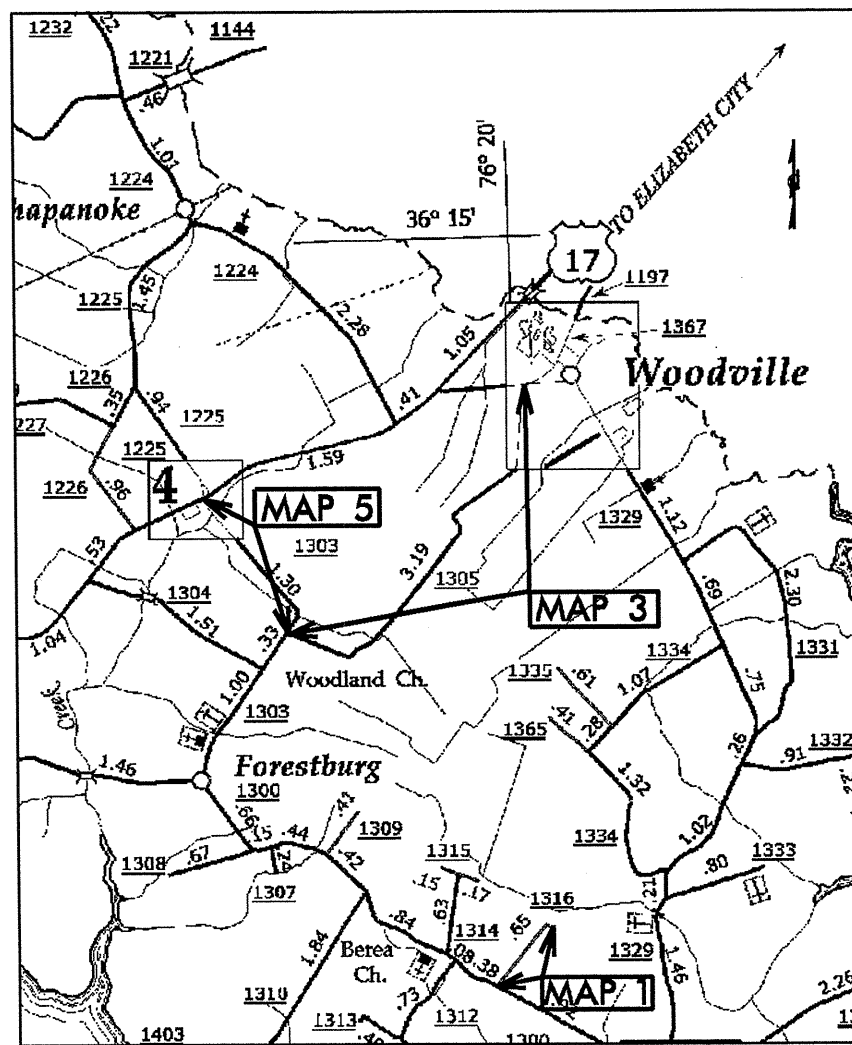
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PERQUIMANS COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	IC.072062 ETC.	1	8
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
IC.072062		MAP 1	
1CR.20721.20		MAP 2	
1CR.20721.23		MAP 3	
1CR.20721.24		MAP 4	
1CR.20721.25		MAP 5	
1CR.20721.26		MAP 6	
1CR.20721.27		MAP 7	

LOCATION: MAP 1 SR 1316 FROM SR 1300 TO DEAD END
 MAP 2 SR 1336 FROM SR 1339 TO SR 1350
 MAP 3 SR 1305 FROM SR 1367 TO SR 1303
 MAP 4 SR 1353 FROM SR 1336 TO DEAD END
 MAP 5 SR 1303 FROM US 17 TO SR 1305
 MAP 6 SR 1341 FROM SR 1340 TO SR 1342
 MAP 7 SR 1348 FROM SR 1336 TO SR 1347

TYPE OF WORK: PAVING, RESURFACING & PAVEMENT MARKINGS



NTS

PROJECT LENGTH	
LENGTH OF ROADWAY PROJECT	MAP 1 0.63 MI.
LENGTH OF ROADWAY PROJECT	MAP 2 3.78 MI.
LENGTH OF ROADWAY PROJECT	MAP 3 3.20 MI.
LENGTH OF ROADWAY PROJECT	MAP 4 0.37 MI.
LENGTH OF ROADWAY PROJECT	MAP 5 1.30 MI.
LENGTH OF ROADWAY PROJECT	MAP 6 0.60 MI.
LENGTH OF ROADWAY PROJECT	MAP 7 0.71 MI.

Prepared in the Office of:
DIVISION OF HIGHWAYS
113 Airport Dr., Edenton NC, 27932

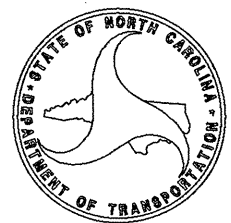
2012 STANDARD SPECIFICATIONS

LETTING DATE:
February 21, 2012

W.B. HOBBS, P.E.
DIVISION PROJECT MANAGER

C.E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



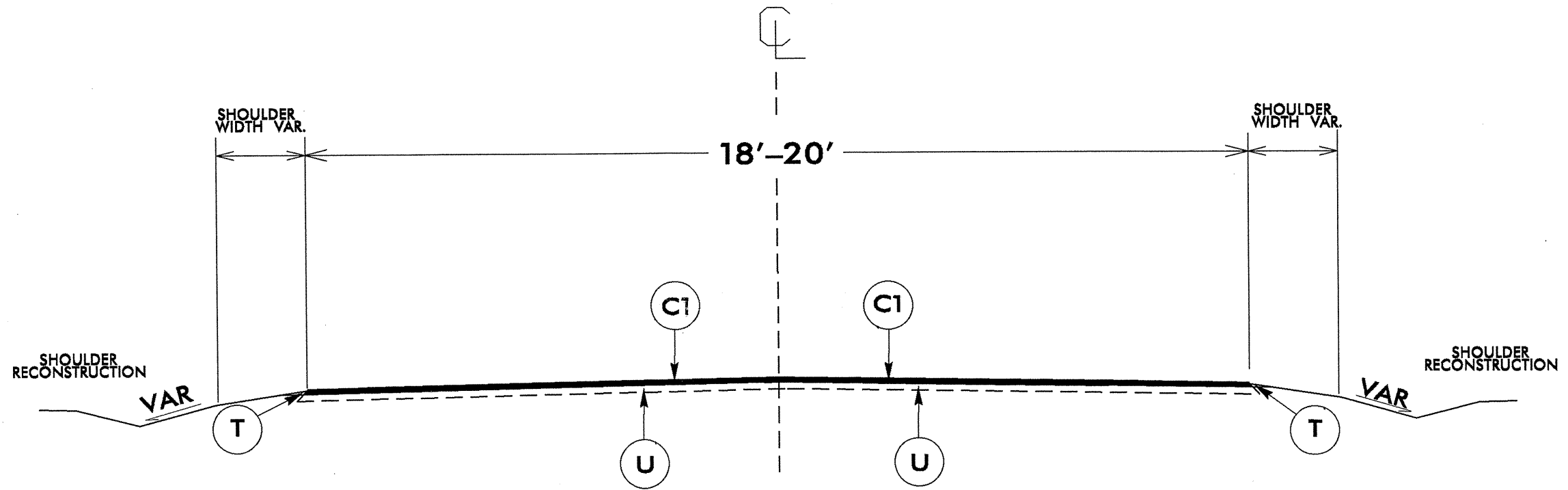
PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
T	EARTH MATERIAL
U	EXISTING PAVEMENT.

PROJECT REFERENCE NO.	SHEET NO.
1C.072062, ETC	2

NOTES:

- *ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADI., OR AS DIRECTED BY THE ENGINEER
- *EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES
- *PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE



TYPICAL SECTION NO.1

USE WITH MAP 3-7

NTS

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
P	PRIME COAT TO BE APPLIED AT 0.35 GAL. PER SQ. YD.
T	EARTH MATERIAL
J	EXISTING AGGREGATE BASE COURSE

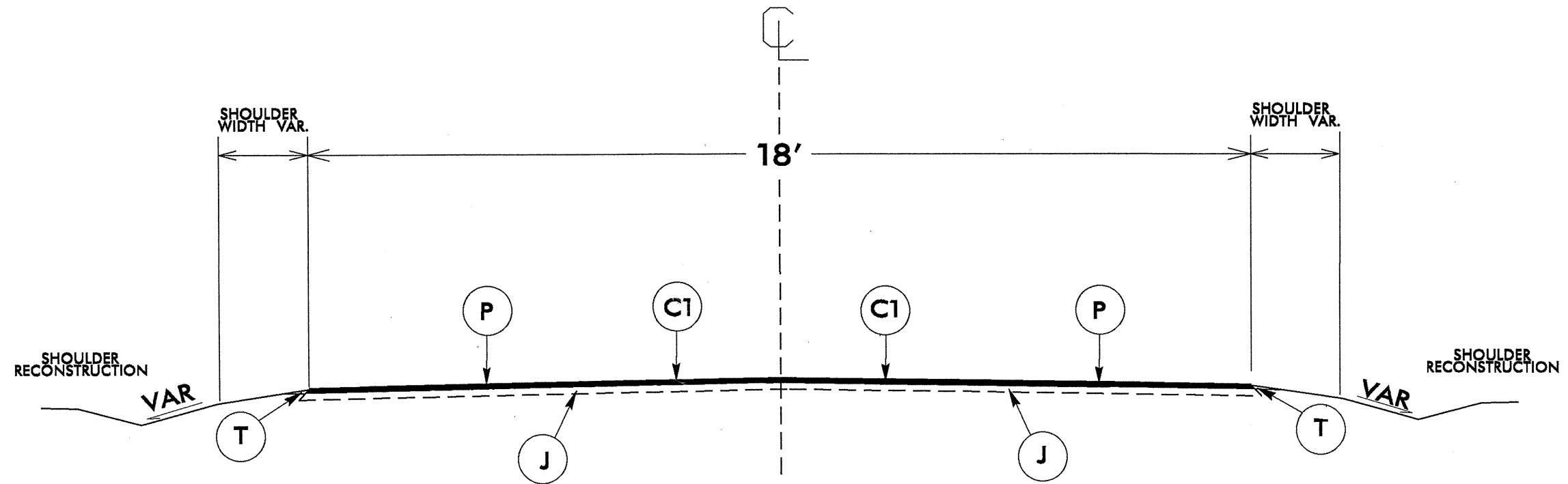
PROJECT REFERENCE NO.	SHEET NO.
1C.072062, ETC	4

NOTES:

*ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADI., OR AS DIRECTED BY THE ENGINEER

*EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES

*PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE



TYPICAL SECTION NO.3

USE WITH MAP 1

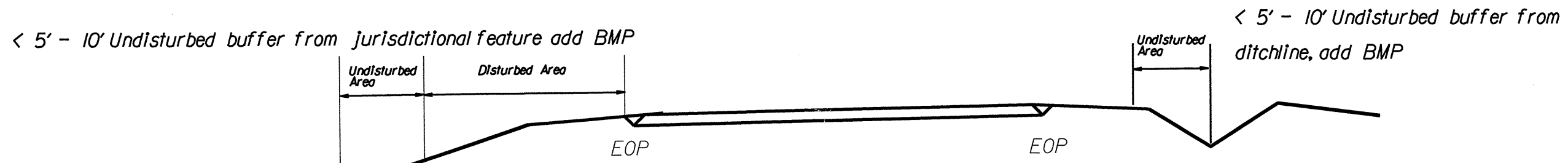
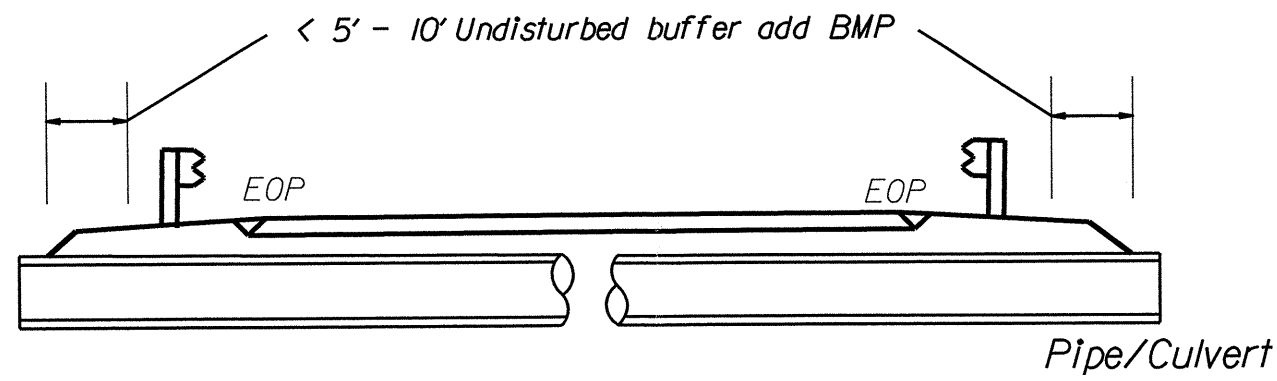
NTS

PROJECT REFERENCE NO.	SHEET NO.
V.072062, ETC	5
RWY SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

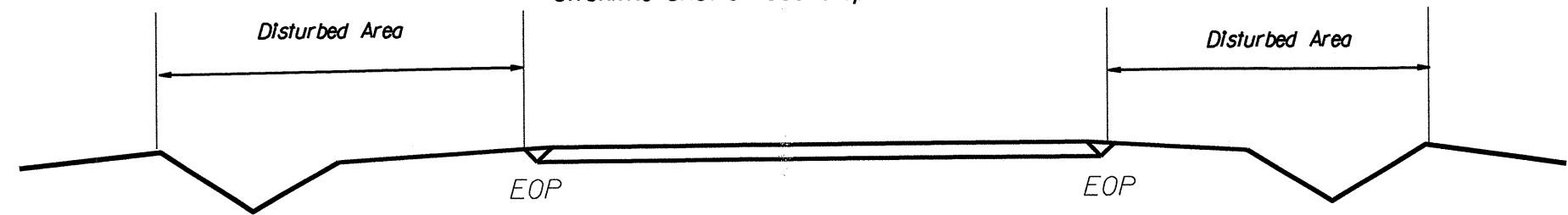
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

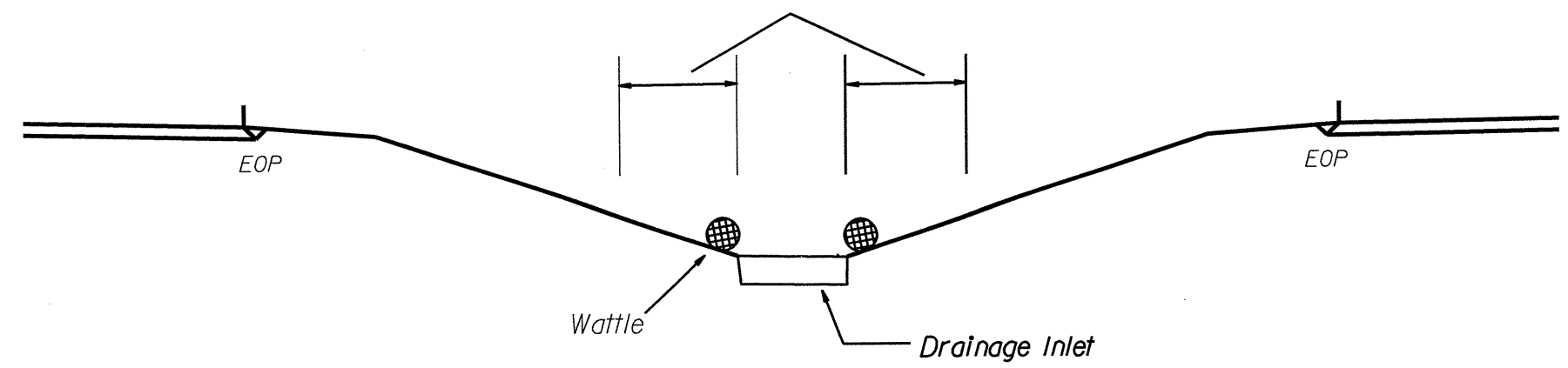


Jurisdictional Feature

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



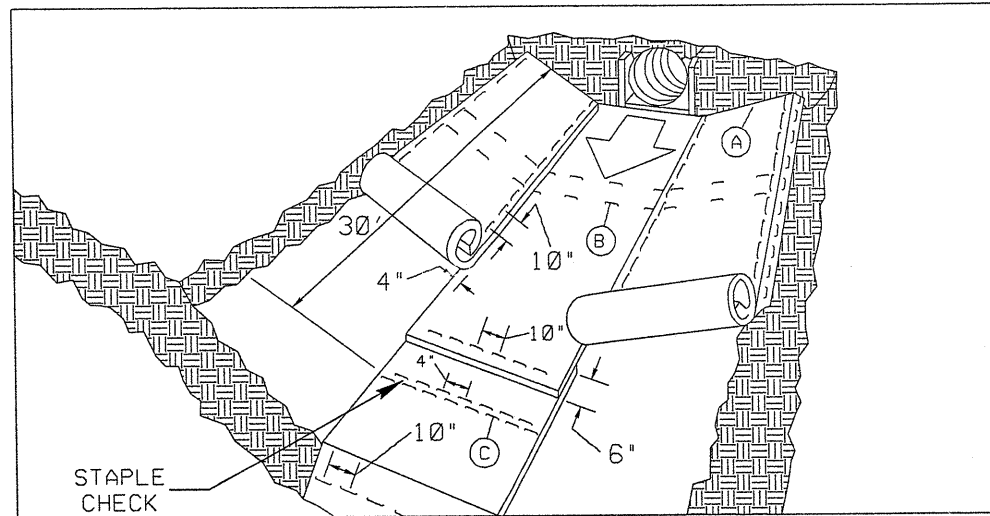
< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

PROJECT REFERENCE NO. 16-072062, B76	SHEET NO. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATTING INSTALLATION DETAIL



MATTING IN DITCHES

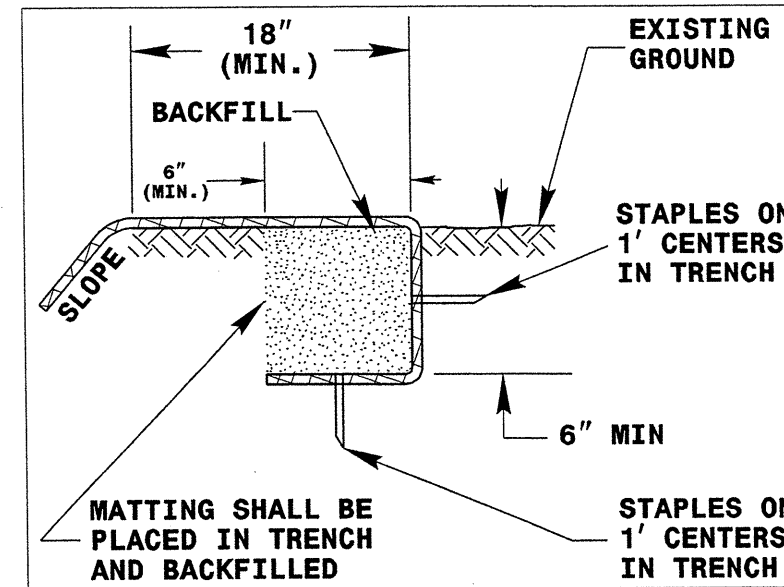
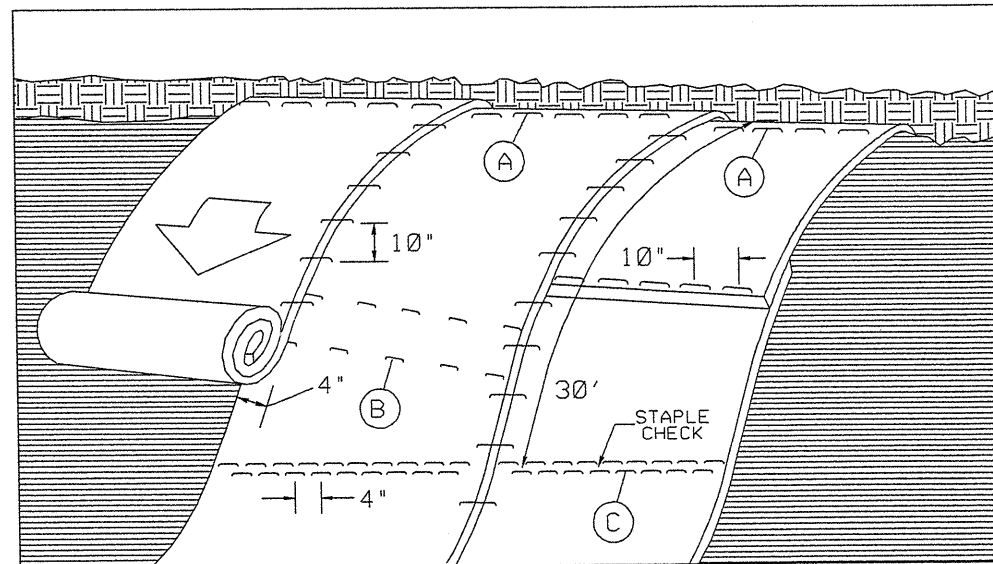


DIAGRAM (A)



MATTING ON SLOPES

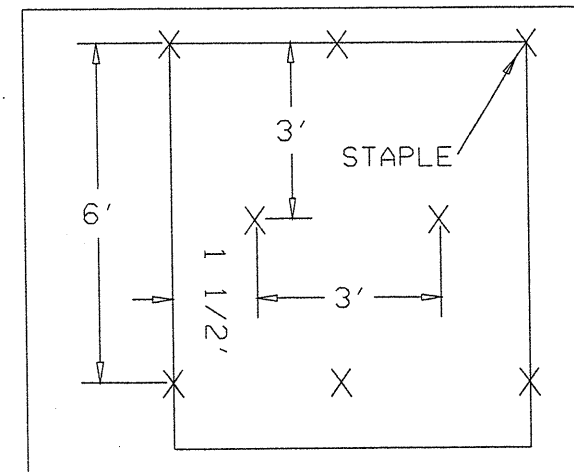


DIAGRAM (B)

STAPLE CHECK PATTERN

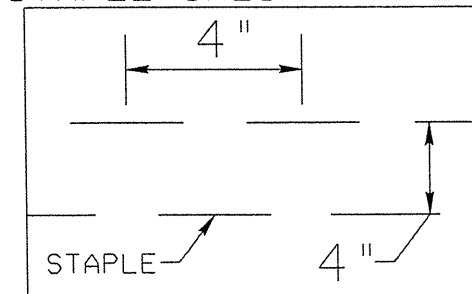


DIAGRAM (C)

NOTES:

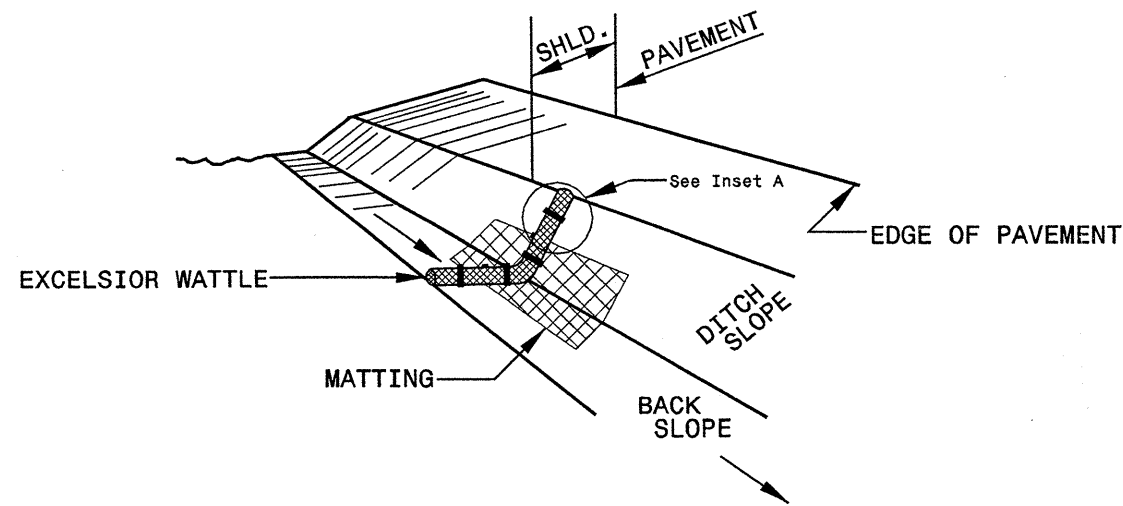
THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.

STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.

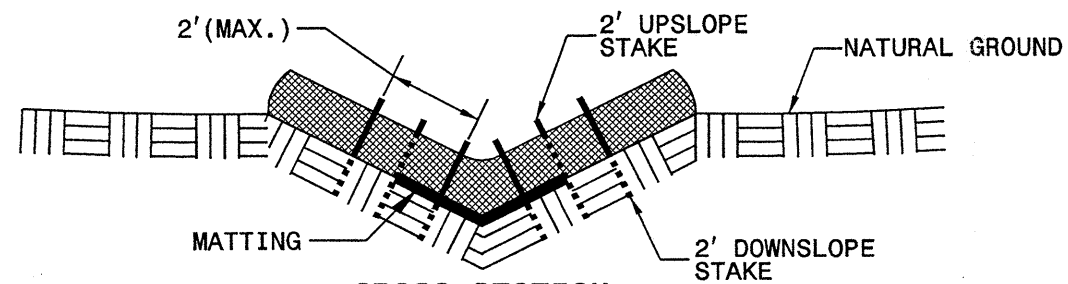
NOT TO SCALE

WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

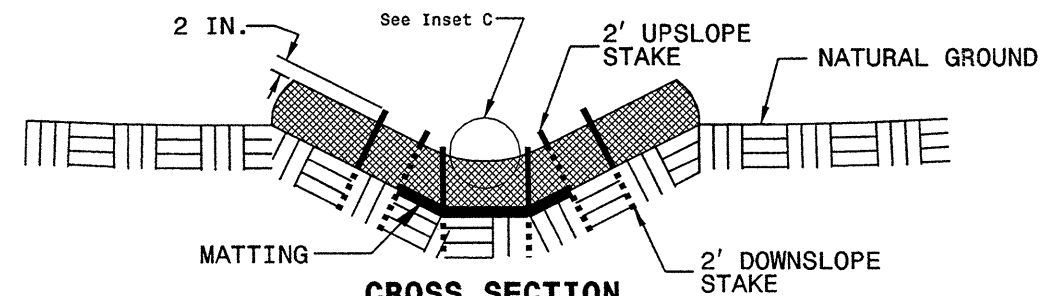
PROJECT REFERENCE NO. IC-072062, ETC	SHEET NO. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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.

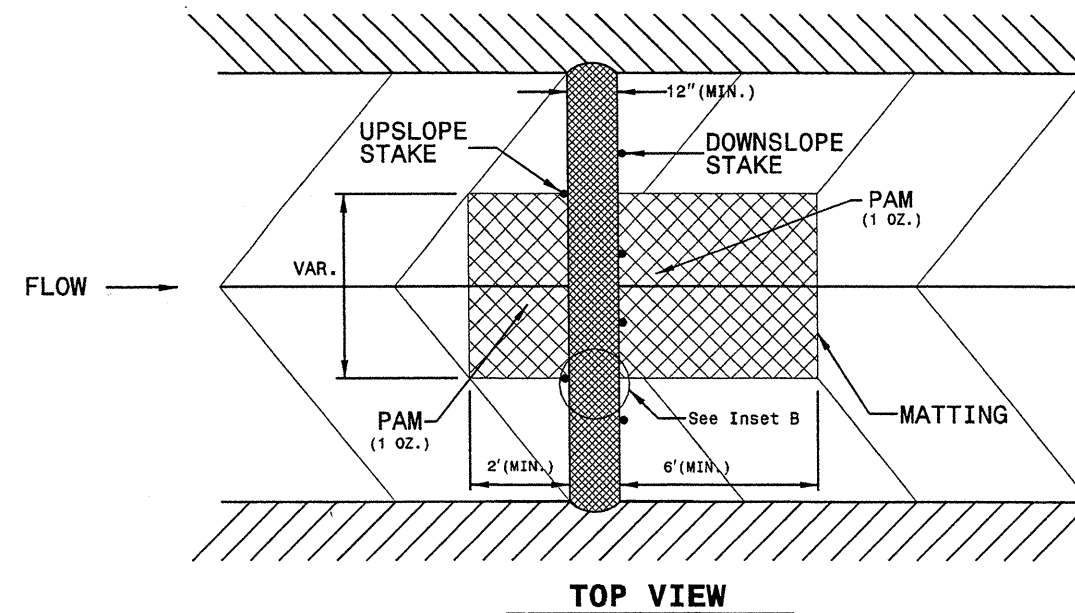
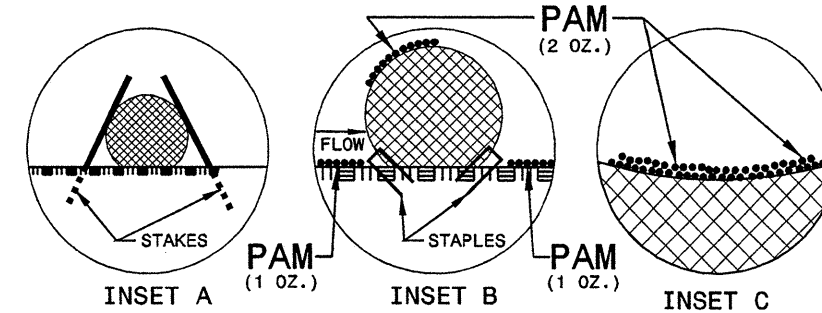
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



TOP VIEW

PROJECT NO.	SHEET NO.	TOTAL NO.
1C.072062, ETC.	8	8

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	MOBILIZATION LS	BORROW CY	CONDITIONING EXISTING BASE MSY	INCIDENTAL STONE BASE TON	SHOULDER RECONSTRUCTION SMI	PRIME COAT GAL	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TON	SURFACE COURSE, SF9.5A TON	ASPHALT BINDER FOR PLANT MIX TON	ADJ. OF METER OR VALVE BOX EA	TEMPORARY SILT FENCE LF	MATTING FOR EROSION CONTROL SY	WATTLE LF	POLYACRYLAMIDE (PAM) LB	SEED & MULCHING AC
1C.072062	Perquimans	1	SR 1316	FROM SR 1300 TO DEAD END	3	NO	0.630	18	1	100	7	5	1.26	2,329			553	37						0.92
1CR.20721.20	Perquimans	2	SR 1336	FROM SR 1339 TO SR 1350	2	NO	3.780	21	*	400		65	7.56			4,040		242	2	600	32	240	21	5.49
1CR.20721.23	Perquimans	3	SR1305	FROM SR 1367 TO SR1303	1	NO	3.200	18	*	300		15	6.40				3,217	216						4.65
1CR.20721.24	Perquimans	4	SR 1353	FROM SR 1336 TO END	1	NO	0.370	18	*	100		15	0.74				480	32						0.54
1CR.20721.25	Perquimans	5	SR 1303	FROM US 17 TO SR 1305	1	NO	1.300	19	*	100		15	2.60				1,403	94						1.89
1CR.20721.26	Perquimans	6	SR 1341	FROM SR 1340 TO SR 1342	1	NO	0.600	18	*	100		5	1.20		50		526	35						0.87
1CR.20721.27	Perquimans	7	SR 1348	FROM SR 1336 TO SR 1347	1	NO	0.710	20	*	100		5	1.42				717	48	2					1.03
GRAND TOTAL							10.590		1	1,200	7	125	21.18	2,329	50	4,040	6,896	704	4	600	32	240	21	15.39

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	TEMPORARY TRAFFIC CONTROL LS	4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	4" WHITE PAINT LF	4" YELLOW PAINT LF	4" LINE REMOVAL LF
1C.072062	Perquimans	1	SR 1316	FROM SR 1300 TO DEAD END	0.63	18	1					
1CR.20721.20	Perquimans	2	SR 1336	FROM SR 1339 TO SR 1350	3.78	21	*	40,673	24,948	40,673	24,948	
1CR.20721.23	Perquimans	3	SR1305	FROM SR 1367 TO SR1303	3.20	18	*	34,432	21,120	34,432	21,120	
1CR.20721.24	Perquimans	4	SR 1353	FROM SR 1336 TO END	0.37	18	*	3,981	2,442	3,981	2,442	
1CR.20721.25	Perquimans	5	SR 1303	FROM US 17 TO SR 1305	1.30	19	*	13,988	8,580	13,988	8,580	
1CR.20721.26	Perquimans	6	SR 1341	FROM SR 1340 TO SR 1342	0.60	18	*	6,456	3,960			250
1CR.20721.27	Perquimans	7	SR 1348	FROM SR 1336 TO SR 1347	0.71	20	*	7,640	4,686	7,640	4,686	
GRAND TOTAL					10.59		1	107,170	65,736	100,714	61,776	250
								162,490				