6/2/99

PROJECT REFERENCE NO.	SHEET NO.
R-5148	1
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

MAP NO. 5

MAP NO. 4

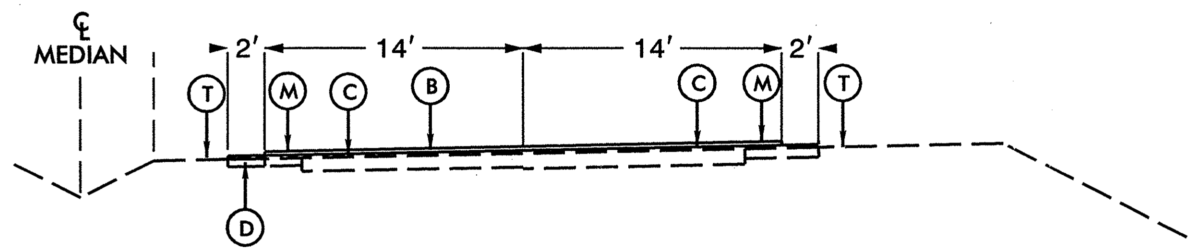
MAP NO. 1

MAP NO. 2

MAP NO. 3

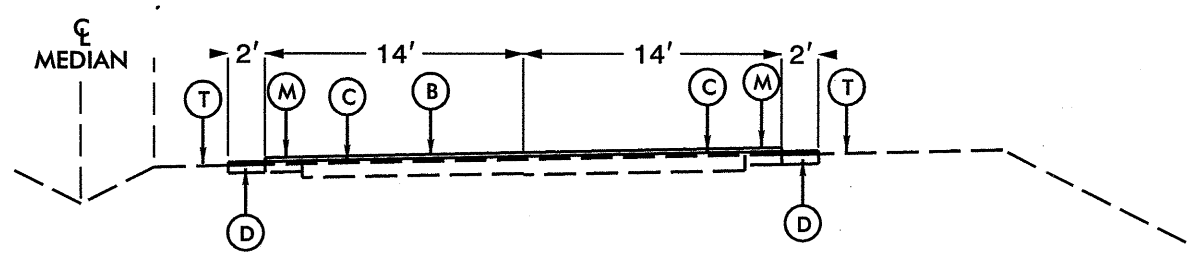
US 64 FROM SR 1613 IN NASH COUNTY TO THE TAR RIVER NEAR TARBORO IN EDGECOMBE COUNTY

r5148 typ.dgn 3/16/2009 8:56:11 AM



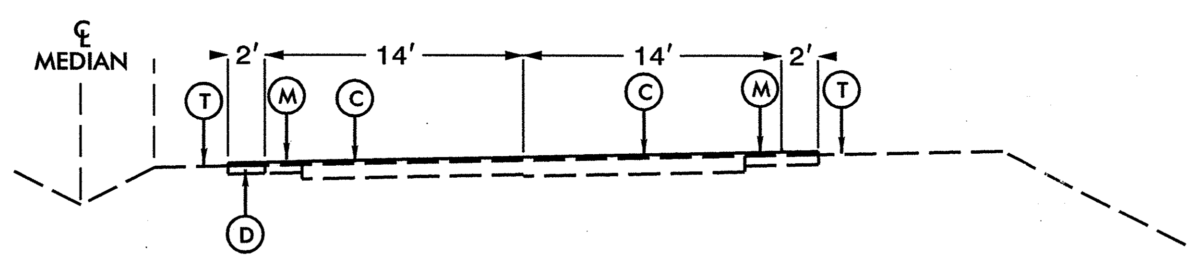
TYPICAL NO. 1

TYPICAL NO. 1 LOCATIONS
US 64 WESTBOUND FROM SR 1208 TO SR 1613
US 64 EASTBOUND FROM US 64A TO SR 1208.



TYPICAL NO. 2

TYPICAL NO. 2 LOCATIONS
US 64 EASTBOUND FROM SR 1613 TO US 64A



TYPICAL NO. 3

TYPICAL NO. 3 LOCATIONS
US 64 WESTBOUND FROM THE TAR RIVER NEAR TARBORO TO SR 1208
US 64 EASTBOUND FROM SR 1208 TO THE TAR RIVER NEAR TARBORO

PAVEMENT SCHEDULE

B	PROP. OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-2 MOD, AT AN AVERAGE RATE OF 90 LBS. PER SQ. YD.ACROSS LANES AND 2′ SHOULDER EACH SIDE	D	PROP. APPROX. 4″ ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD. FOR SHOULDER WIDENING	T	SHOULDER RECONSTRUCTION
C	PROP. APPROX. 1.5″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. ACROSS ENTIRE ROADWAY	M	MILLED RUMBLE STRIPS		

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

6/2/99
$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$$

PROJECT NO.	SHEET NO.	TOTAL NO.
R-5148, 45064.3.ST1	3	

SUMMARY OF QUANTITIES

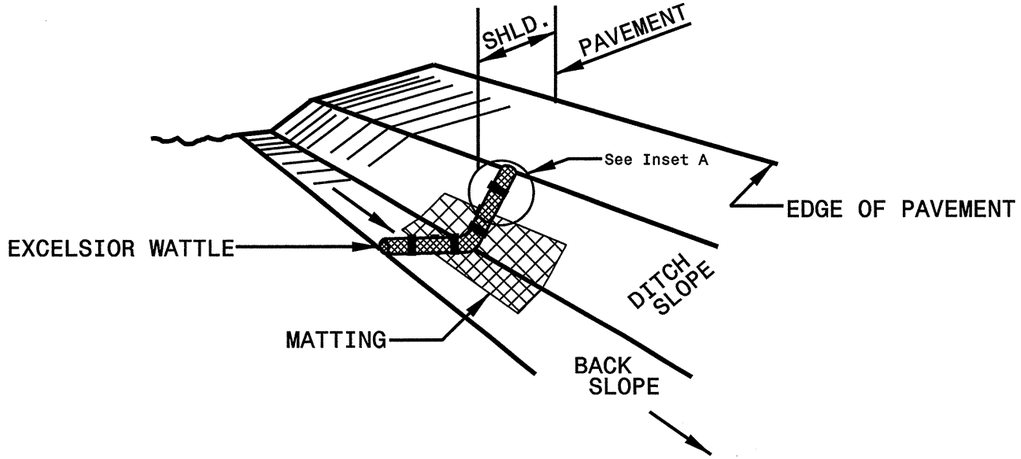
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	SHOULDER RECONSTRUCTION SMI	MILLED RUMBLE STRIPS LF	INCIDENTAL MILLING SY	INTERMEDIATE COURSE, I19.0B TONS	SURFACE COURSE, S9.5B TONS	PG 64-22 PLANT MIX TONS	PG 76-22 PLANT MIX TONS	SURFACE COURSE, FC-2 MOD TON	WATTLES LF	TEMP. SILT FENCE LF
R-5148	Nash/Edge	1	US 64 EB	FROM SR 1613 ENTRANCE TO US 64A	2	6.04	32	12.08	63,782	615	3,300	12,173	886	353	5,877	20	200
	Edgecombe	2	US 64 EB	FROM US 64A TO SR 1208	1	7.81	32	15.62	82,474	150	2,435	12,846	885	363	6,049	*	*
	Edgecombe	3	US 64 EB	FROM SR 1208 TO TAR RIVER	3	5.36	32	10.72	56,602	150	1,500	9,250	626			*	*
	Edgecombe	4	US 64 WB	FROM TAR RIVER TO SR 1208	3	5.36	32	10.72	56,602	150	1,500	9,250	626			*	*
	Nash/Edge	5	US 64 WB	FROM SR 1208 TO SR 1613 EXIT	1	13.85	32	27.7	146,256	840	4,052	25,151	1,700	720	11,997	*	*
TOTAL FOR PROJ NO. R-5148						**38.42**	**32**	**76.84**	**405,716**	**1905**	**12787**	**68,670**	**4,723**	**1,436**	**23,923**	**20**	**200**
GRAND TOTAL						**38.42**		**76.84**	**405,716**	**1,905**	**12,787**	**68,670**	**4,723**	**1,436**	**23,923**	**20**	**200**

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION		4400000000-E STATIONARY WORK ZONE SIGN SF	4405000000-E PORTABLE WORK ZONE SIGN SF	4415000000-N FLASHING ARROW PANELS, TYPE C EA	4420000000-N CHANGEABLE MESSAGE SIGNS EA	4430000000-N DRUMS EA	4480000000-N TRUCK MOUNTED IMPACT ATTENUATOR EA	4845000000-N PAINT SYMBOL EA	4725000000-N THERMO SYMBOL EA	4815000000-E 6" PAINT LF	4847100000-E 6" POLYUREA HIGHLY REFLECTIVE LF	4847120000-E 12" POLYUREA HIGHLY REFLECTIVE	4900000000-N CRYSTAL & RED MARKERS EA
R-5148	Nash/Edge	1	US 64 EB	FROM SR 1613 ENTRANCE TO US 64A		90	90	1	1	60	1	9	9	72,480	72,480	8,500	483
	Edgecombe	2	US 64 EB	FROM US 64A TO SR 1208		130	130	0	0	80		3	3	93,720	93,720	1,992	586
	Edgecombe	3	US 64 EB	FROM SR 1208 TO TAR RIVER		80	80			60			6		64,320	2,262	402
	Edgecombe	4	US 64 WB	FROM TAR RIVER TO SR 1208		80	80			60			6		64,320	2,262	402
	Nash/Edge	5	US 64 WB	FROM SR 1208 TO SR 1613 EXIT		220	220	1	1	140	1	15	15	166,200	166,200	8,050	1,069
TOTAL FOR PROJ NO. R-5148						**600**	**600**	**2**	**2**	**400**	**2**	**27**	**39**	**332,400**	**461,040**	**23,066**	**2,942**
GRAND TOTAL						**600**	**600**	**2**	**2**	**400**	**2**	**27**	**39**	**332,400**	**461,040**	**23,066**	**2,942**

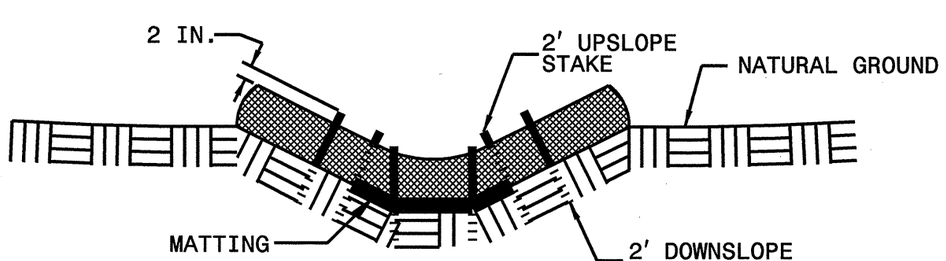
PROJECT REFERENCE NO.	SHEET NO.
R-5148	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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. CROSS SECTION.

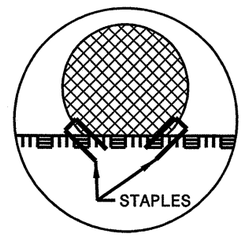
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

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

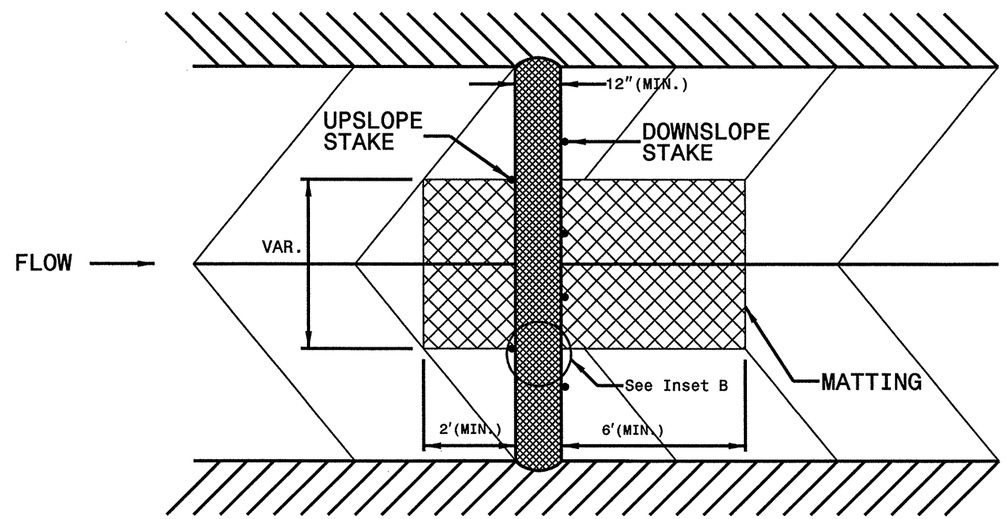
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

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

INSET A



INSET B

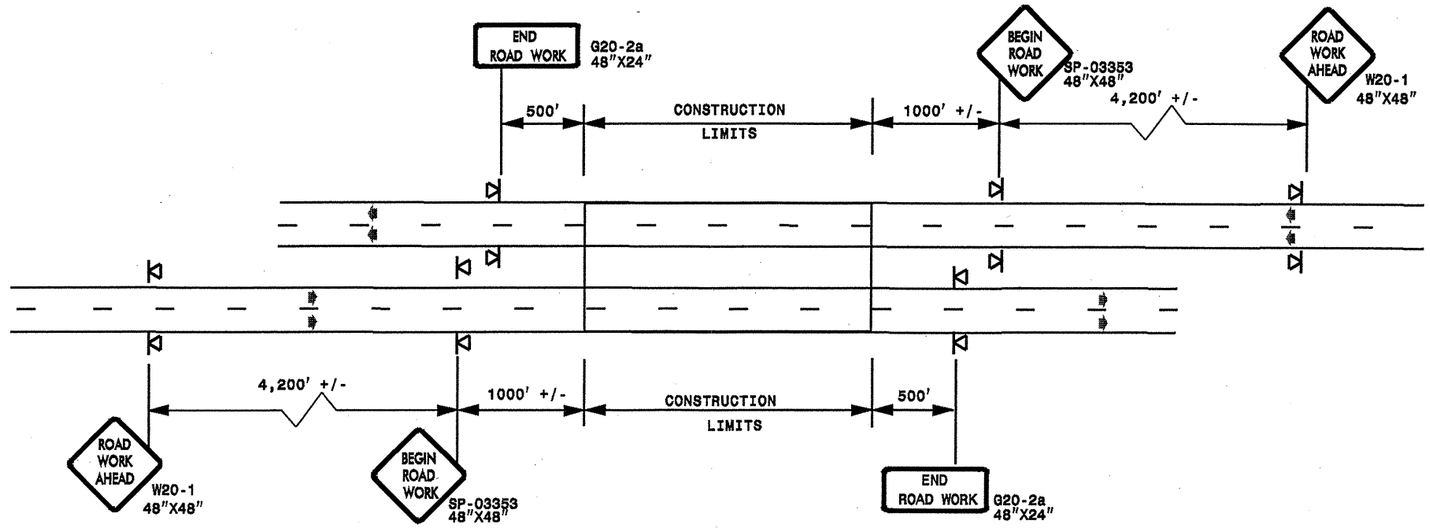


TOP VIEW

PROJ. REFERENCE NO.	SHEET NO.
45064.3.ST1 (R-5148)	TCP-1

ADVANCE WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)

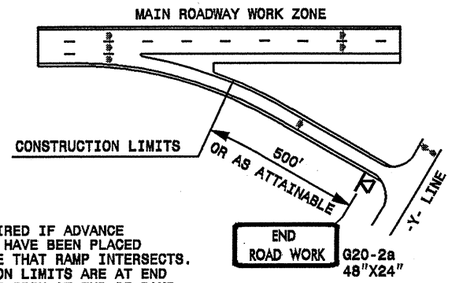
DETAIL A



ROADWAYS INTERSECTING ALONG FREEWAY WORK ZONE (Y-LINES)

DETAIL B

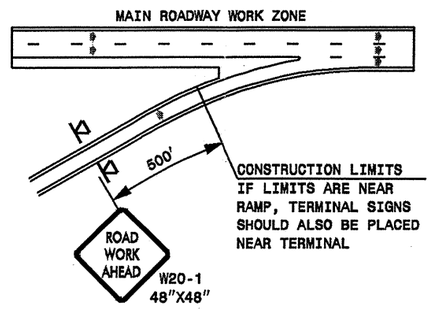
EXIT RAMPS



NOTE:
SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

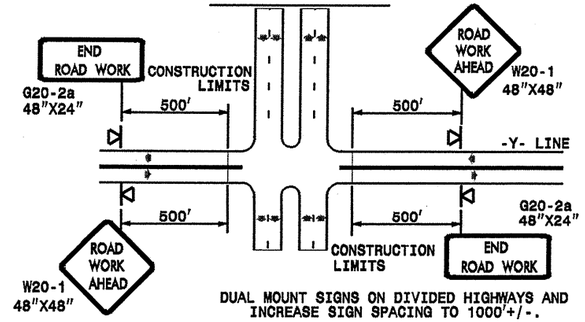
DETAIL C

ENTRANCE RAMPS



DETAIL D

-Y- LINES



DUAL MOUNT SIGNS ON DIVIDED HIGHWAYS AND INCREASE SIGN SPACING TO 1000'+/-.

GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCE WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH PORTABLE WORK ZONE SIGN STANDS SPECIFICALLY DESIGNED FOR ONE ANOTHER. PORTABLE WORK ZONE SIGNS MAY BE ROLL UP OR APPROVED COMPOSITE.
- PROVIDE PORTABLE WORK ZONE SIGN STANDS, PORTABLE SIGNS AND SIGN SHEETING WHICH ARE LISTED ON THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCT LIST OR ACCEPTED AS TRAFFIC QUALIFIED BY THE TRAFFIC CONTROL UNIT.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND

PORTABLE SIGN

DIRECTION OF TRAFFIC FLOW

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

DETAIL DRAWING FOR FREEWAYS WORK ZONE WARNING SIGNS (SHORT-DURATION LANE CLOSURES)

SHEET 1 OF 1

APPROVED: _____ DATE: _____

SEAL

DETAIL DRAWING
FOR FREEWAYS
WORK ZONE WARNING SIGNS

SCALE:	NONE
DATE:	
DWG. BY:	
DESIGN BY:	
REVIEWED BY:	

REVISIONS	
7-98	10/01
10-98	03/04
01/01	11/04
GUIDE NO.	

02-APR-2009 12:04
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