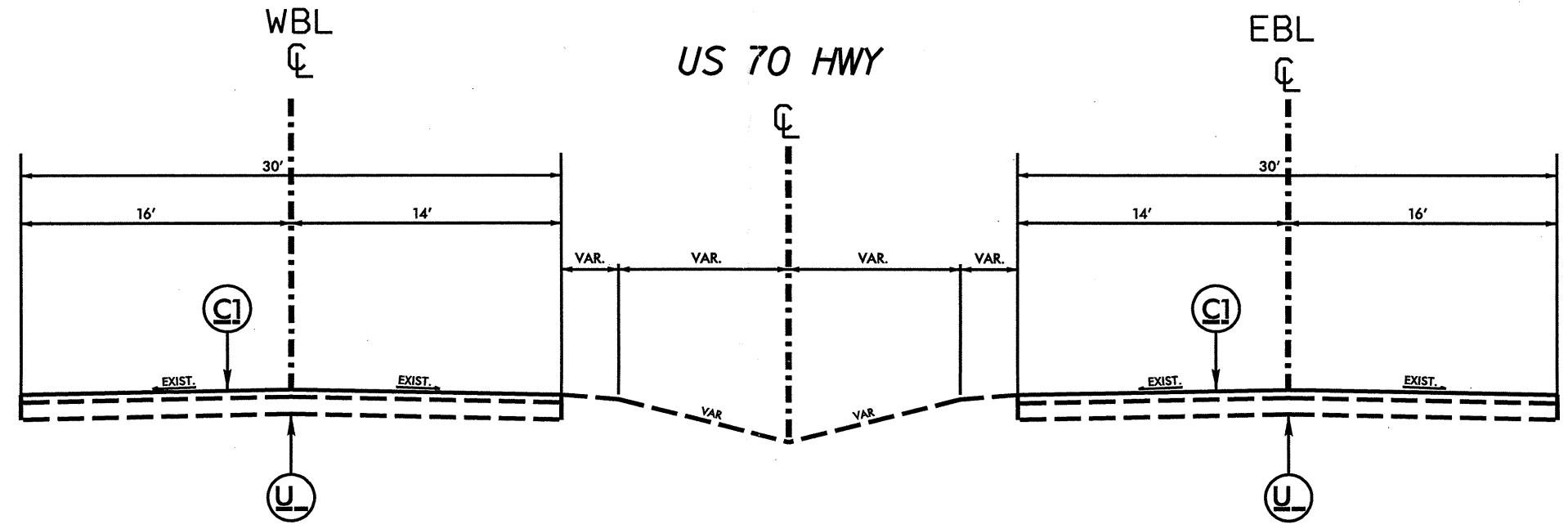


PROJECT REFERENCE NO. 2CR.10251.2 / 2CR.10151.3	SHEET NO. 1
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 228 LBS. PER SQ.YD.
U_	EXISTING PAVEMENT.



TYPICAL SECTION #1

PROJECT NO.	SHEET NO.	TOTAL NO.
2CR.10251.2, 2CR.10161.3		

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	SURFACE COURSE, S9.5C TONS	PG 70-22 PLANT MIX TONS	MANHOLES EA	METER OR VALVE BOX EA
2CR.10251.2	Craven	1	US70 EBL	US70 FROM END CURB EAST SIDE OF HAVELOCK TO COUNTY LINE	1	1.8	30	4,614	277	1	1
		1	US70 WBL	US70 FROM END CURB EAST SIDE OF HAVELOCK TO COUNTY LINE	1	1.8	30	4,552	273	1	1
TOTAL FOR PROJ NO. 2CR.10251.2						3.6		9,166	550	2	2
2CR.10161.3	Carteret	2	US70 EBL	US70 FROM COUNTY LINE TO MCCABE RD.	1	7.9	30	19,294	1,158	1	1
		2	US70 WBL	US70 FROM COUNTY LINE TO MCCABE RD	1	7.9	30	19,419	1,165	1	1
TOTAL FOR PROJ NO. 2CR.10161.3						15.8		38,713	2,323	2	2
GRAND TOTAL						19.4		47,879	2,873	4	4

PROJECT NO.	SHEET NO.	TOTAL NO.
2CR.10251.2, 2CR.10161.3		

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4688000000-E		4690000000-E	4695000000-E		4705000000-E	4710000000-E	4721000000-E		4725000000-E					
					6" X 90 M YELLOW THERMO LF	6" X 90 M WHITE THERMO LF	6" X 120 M WHITE THERMO LF	8" X 90 M YELLOW THERMO LF	8" X 90 M WHITE THERMO LF	16" X 120 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO RXR 120 M EA	THERMO MSG SCHOOL 120 M EA	THERMO LT ARROW 90 M EA	THERMO RT ARROW 90 M EA	THERMO STR ARROW 90 M EA	THERMO STR & RT ARROW 90 M EA	THERMO STR & LT ARROW 90 M EA	
2CR.10251.2	Craven	1	US70 EBL	US70 FROM END CURB EAST SIDE OF HAVELOCK TO COUNTY LINE	10,000	10,000	2,500	300	100			200			21	12	12	1	1
		1	US70 WBL	US70 FROM END CURB EAST SIDE OF HAVELOCK TO COUNTY LINE	10,000	10,000	2,500	100	100			200			27	15	12	1	1
TOTAL FOR PROJ NO. 2CR.10251.2					20,000	20,000	5,000	400	200			400			48	27	24	2	2
					40,000			600							103				
2CR.10161.3	Carteret	2	US70 EBL	US70 FROM COUNTY LINE TO MCCABE RD.	45,000	45,000	11,000	100	600	600	600	8		66	36	30	1	1	
		2	US70 WBL	US70 FROM COUNTY LINE TO MCCABE RD	45,000	45,000	11,000	100	1,300	600	700	8	12	51	36	12	1	1	
TOTAL FOR PROJ NO. 2CR.10161.3					90,000	90,000	22,000	200	1,900	1,200	1,300	16	12	117	72	42	2	2	
					180,000			2,100				28		235					
GRAND TOTAL					110,000	110,000	27,000	600	2,100	1,200	1,700	16	12	165	99	66	4	4	
					220,000			2,700				28		338					

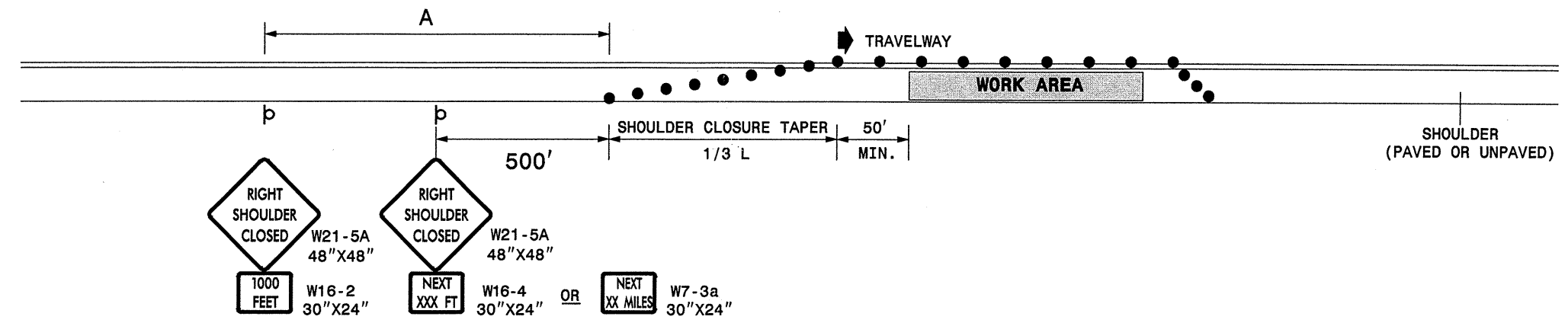
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-05

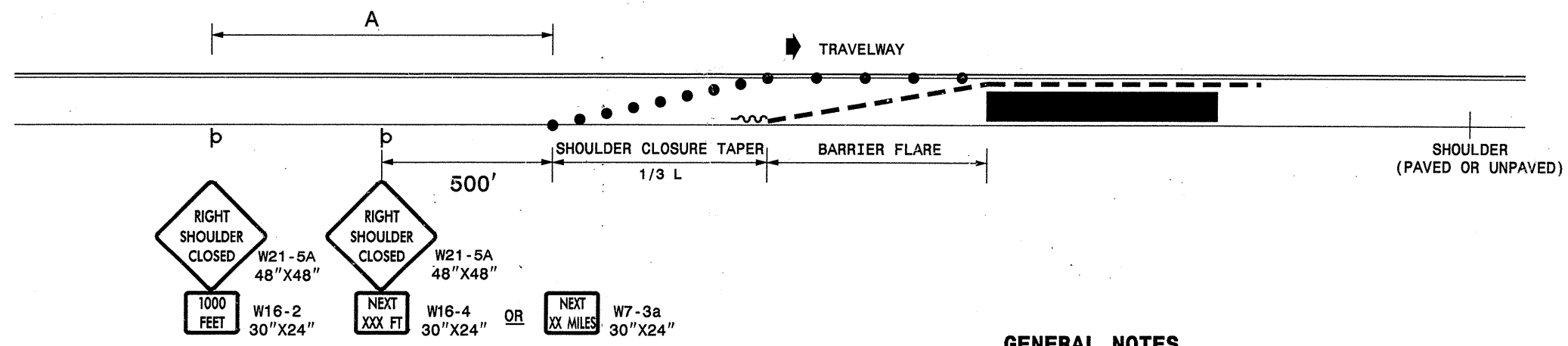
ENGLISH STANDARD DRAWING FOR
TEMPORARY SHOULDER CLOSURES

SHEET 1 OF 1
1101D04

SHOULDER CLOSURES UTILIZING DRUMS



SHOULDER CLOSURES UTILIZING TEMPORARY BARRIER



GENERAL NOTES

- PLACE SHOULDER CLOSURE SIGNS ON THE SAME SIDE AS THE SHOULDER THAT IS CLOSED.
- PLACE DRUMS IN THE SHOULDER TAPER AT THE MAXIMUM SPACING EQUAL IN FEET TO THE POSTED SPEED LIMIT. THE MAXIMUM SPACING OF DRUMS ALONG THE WORK AREA AND BARRIER FLARE IS EQUAL IN FEET TO 2 TIMES THE POSTED SPEED LIMIT.
- FLARE THE APPROACH END OF PORTABLE CONCRETE BARRIER BEYOND THE SHOULDER AND USE A CRASH CUSHION FOR PROTECTION IF THE EXPOSED END OF THE BARRIER IS WITHIN THE "CLEAR ZONE".
- USE STATIONARY SIGNS FOR LONG TERM OPERATIONS (LONGER THAN 3 DAYS).
- REFER TO STD. 1101.11 SHEETS 1, 3, & 4, FOR "L" DISTANCE, BARRIER FLARE RATES, AND SIGN SPACING.

LEGEND

- ~ TEMPORARY CRASH CUSHION
- - - PORTABLE CONCRETE BARRIER
- DRUM
- ⊔ STATIONARY OR PORTABLE SIGN
- ➔ DIRECTION OF TRAFFIC FLOW

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

1-05

ENGLISH STANDARD DRAWING FOR
TEMPORARY SHOULDER CLOSURES

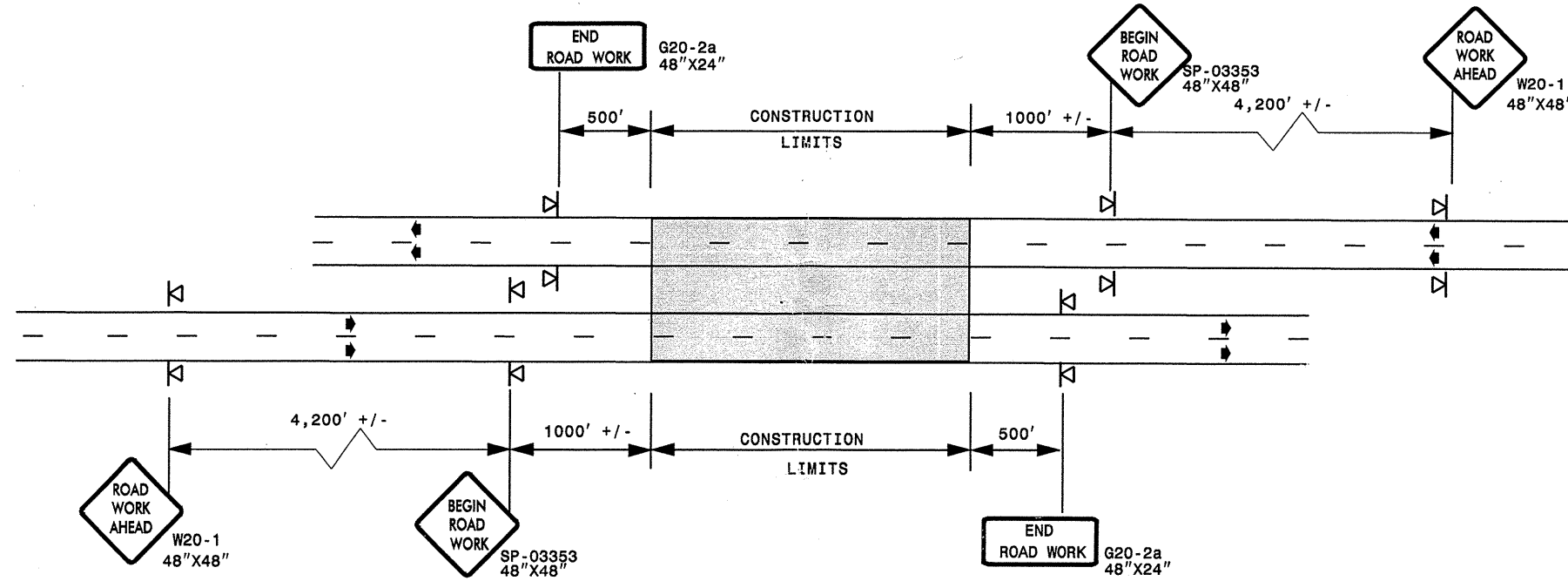
SHEET 1 OF 1
1101D04

APPROVED:	DATE:	REPLACEMENT DETAIL FOR RSD 1101.04									
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REVISIONS											
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ADVANCED WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)

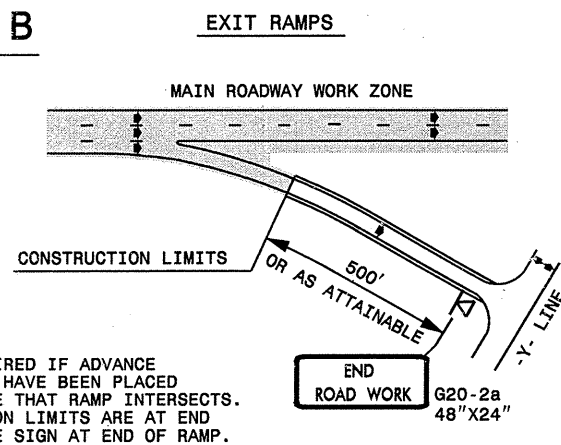
DETAIL A



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

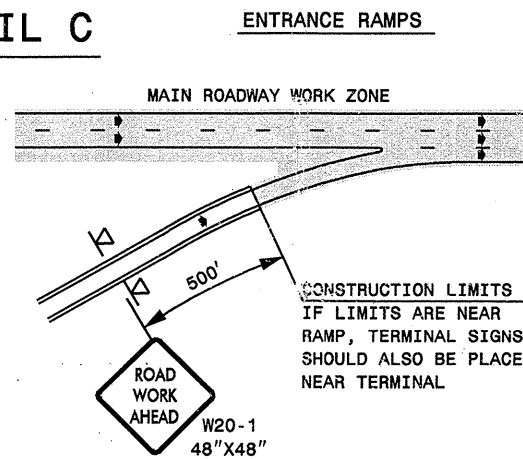
ROADWAYS INTERSECTING ALONG FREEWAY WORK ZONE (Y-LINES)

DETAIL B

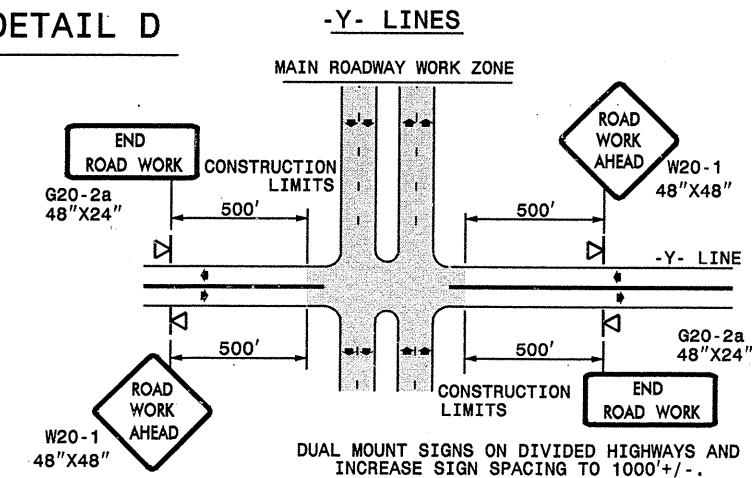


NOTE:
 SIGN NOT REQUIRED IF ADVANCE WARNING SIGNS HAVE BEEN PLACED ALONG -Y- LINE THAT RAMP INTERSECTS. IF CONSTRUCTION LIMITS ARE AT END OF RAMP, PLACE SIGN AT END OF RAMP.

DETAIL C



DETAIL D



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

GENERAL NOTES

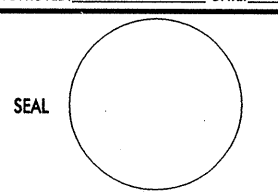

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE PORTABLE WORK ZONE SIGNS ONLY WITH 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

SHEET 1 OF 1

APPROVED: _____	DATE: _____	DETAIL DRAWING FOR FREEWAYS WORK ZONE WARNING SIGNS	
			
SCALE: NONE		REVISIONS	
DATE: _____		7-98	10/01
DESIGN BY: _____		10-98	03/04
REVIEWED BY: _____		01/01	11/04

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