TAPER, BUFFER ZONE & SIGN SPACING CHART

	POSTED SPEED MPH(S)	MINIMUM TAPER LENGTH(L)	LENGTH OF BUFFER(BZ)	MINIMUM SIGN SPACING(SS)			ONE LANE TWO-WAY FLAGGING
		12' LANE CLOSURE	DESIRABLE	A	B	C	TAPER LENGTH
		feet	feet	feet	feet	feet	feet
NON INTER STATE	30 AND LOWER	180	100	100	100	100	50
	35	245	120	350	350	350	
	40	320	165				
	45	540	220	500	500	500	100
	50	600	280				
	55	660	335				
	60	720	415				
	65	780	485				
INTER STATE	65	780	485	1000	1500	2640	
	70	840	600				
	75	900	700				

1- TAPER FORMULAS

A) LANE TAPER LENGTH IN FEET

$L = SW \geq 45$ MPH $\quad L = \frac{WS^2}{60} \leq 40$ MPH

1/3 L = FOR SHOULDER CLOSURE TAPER

1/2 L = FOR LANE SHIFT TAPER

WHERE L = TAPER LENGTH

W = WIDTH OF CLOSURE OR SHIFT

S = POSTED SPEED

2- CHANNELIZING DEVICES

A) USE A MINIMUM OF 1 DEVICE PER FOOT OF LANE CLOSURE, PLUS 1 ADDITIONAL DEVICE TO START.

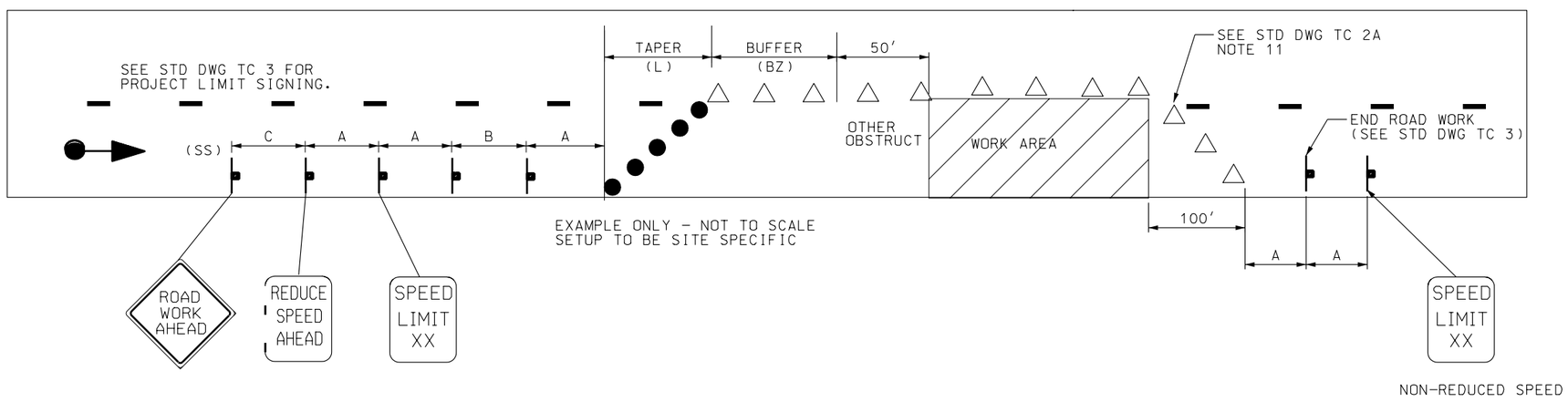
B) ON TANGENT: S X 2 = SPACING UP TO 100 FEET MAXIMUM.

C) LENGTH OF BUFFER ZONE (BZ) IS THE DISTANCE FROM END OF LANE CLOSURE TAPER TO WORK AREA, OR ANY OBSTRUCTION PRIOR TO WORK AREA.

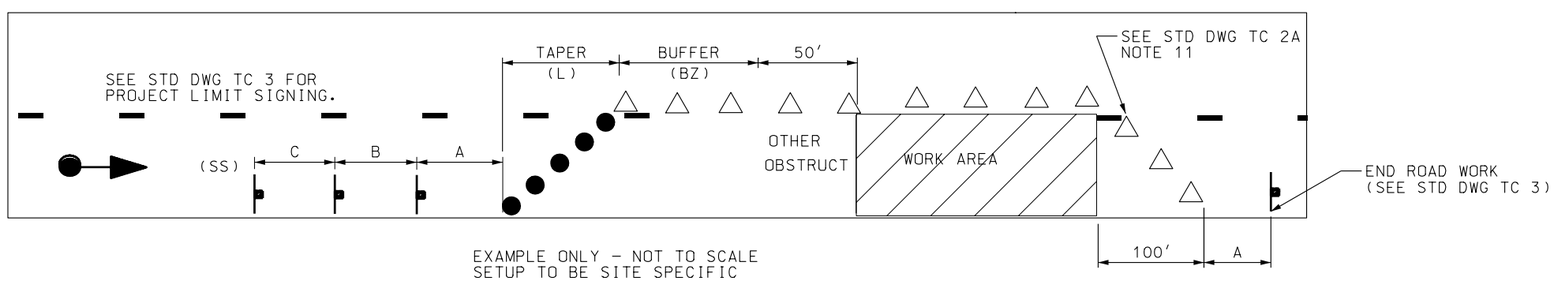
TRAFFIC CONTROL DEVICE LEGEND

- SIGN (PORTABLE OR FIXED)
- CHANNELIZING DEVICE (SEE STD DWG TC 1)
- PLASTIC DRUMS
- FLAGGING STATION
- ADVANCE WARNING ARROW PANEL
- BARRIER
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- DIRECTION OF WORK VEHICLE

REDUCED SPEED WORK ZONE SIGNING



STANDARD WORK ZONE SIGNING



REVISIONS

NO.	DATE	APPR.	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — JULY 03,2002 DATE

CHAIRMAN STANDARDS COMMITTEE APPROVED — JULY 03,2002 DATE

DEPUTY DIRECTOR

STANDARD DRAWING TITLE: TRAFFIC CONTROL GENERAL

STD DWG: TC 2B