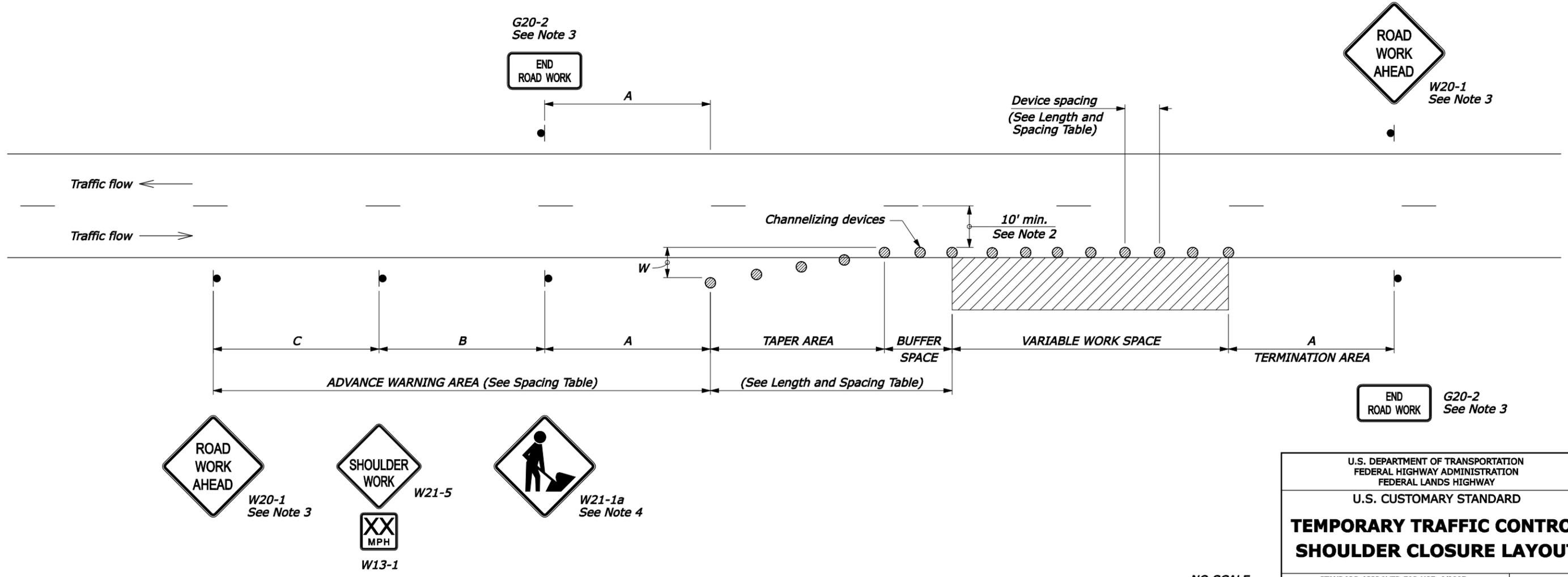


LENGTH AND SPACING TABLE					
APPROACH SPEED*	MINIMUM TAPER LENGTH**	LENGTH OF BUFFER SPACE	CHANNELIZING DEVICE		
			TAPER AREA	BUFFER SPACE	WORK SPACE
MPH	FEET	FEET	SPACING IN FEET		
25	Shoulder taper formula: $L = \frac{WS^2}{180}$ for $S \leq 40$ MPH	155	25	50	50
30		200	30	60	60
35	$L = \frac{WS}{3}$ for $S \geq 45$ MPH	250	35	70	70
40		305	40	80	80
45	Where: L = Minimum length of taper W = Width of offset in feet	360	45	90	90
50	S = Numerical value of posted speed limit or 85 percentile speed prior to work in miles per hour	425	50	100	100
55		495	55	110	110

* Approach speed based on the regulatory posted speed, not the advisory speed.
 ** Lengthen taper as needed to provide minimum of three channelizing devices in taper at required spacing.

ROAD TYPE	DISTANCE BETWEEN SIGNS IN FEET		
	A	B	C
Urban 40 MPH and less	100	100	100
Urban 45 MPH and greater	350	350	350
Rural	500	500	500
Expressway/Freeway	1000	1500	2640

- NOTE:**
- Final location and spacing of signs and devices may be changed to fit field conditions as approved by the CO.
 - For project specific minimum width, refer to Special Contract Requirements, Section 156.
 - If shoulder closure is completely within the project limits, eliminate the "ROAD WORK AHEAD" (W20-1) and "END ROAD WORK" (G20-2) signs.
 - Remove or cover Workers symbol sign (W21-1a) when workers are not present.
 - Do not allow equipment, materials, or vehicles to be parked or stored in the buffer space.
 - If signs will be in place more than 72 consecutive hours, use ground-mounted post.



NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 FEDERAL LANDS HIGHWAY

U.S. CUSTOMARY STANDARD

**TEMPORARY TRAFFIC CONTROL
 SHOULDER CLOSURE LAYOUT**

STANDARD APPROVED FOR USE 6/2005	STANDARD 635-10
REVISED: DRAFT: 1/2007	

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