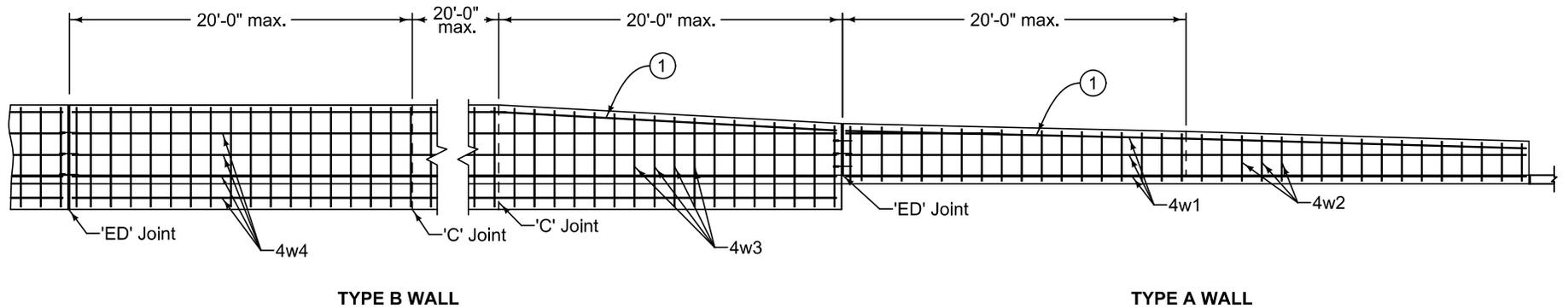
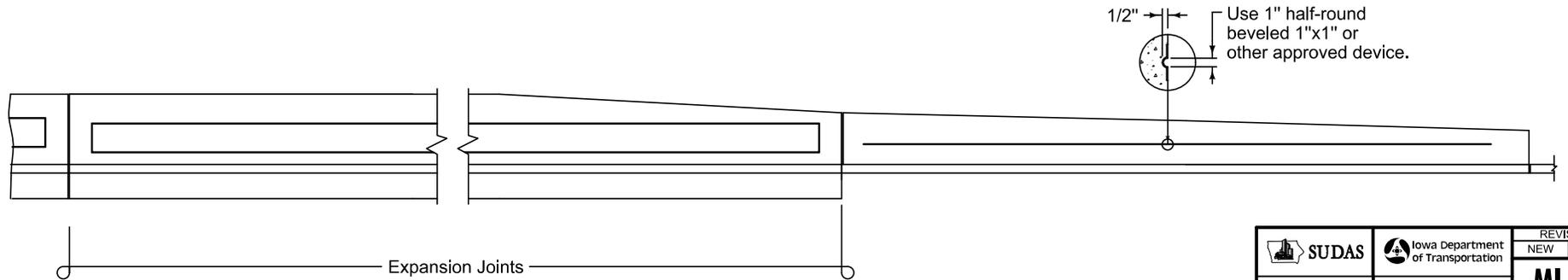


Provide a minimum concrete cover to near reinforcement of 1 1/2 inches. Provide 3 inches minimum cover at the ends of bars.

① Top bar parallel to top of wall. Lap 6 inch minimum as necessary. Tie securely.



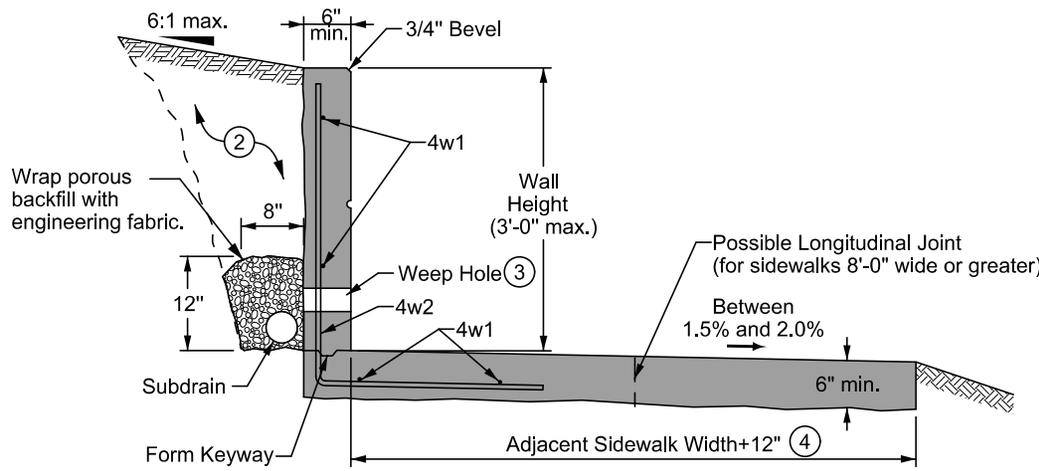
TYPICAL LONGITUDINAL SECTION OF RETAINING WALL



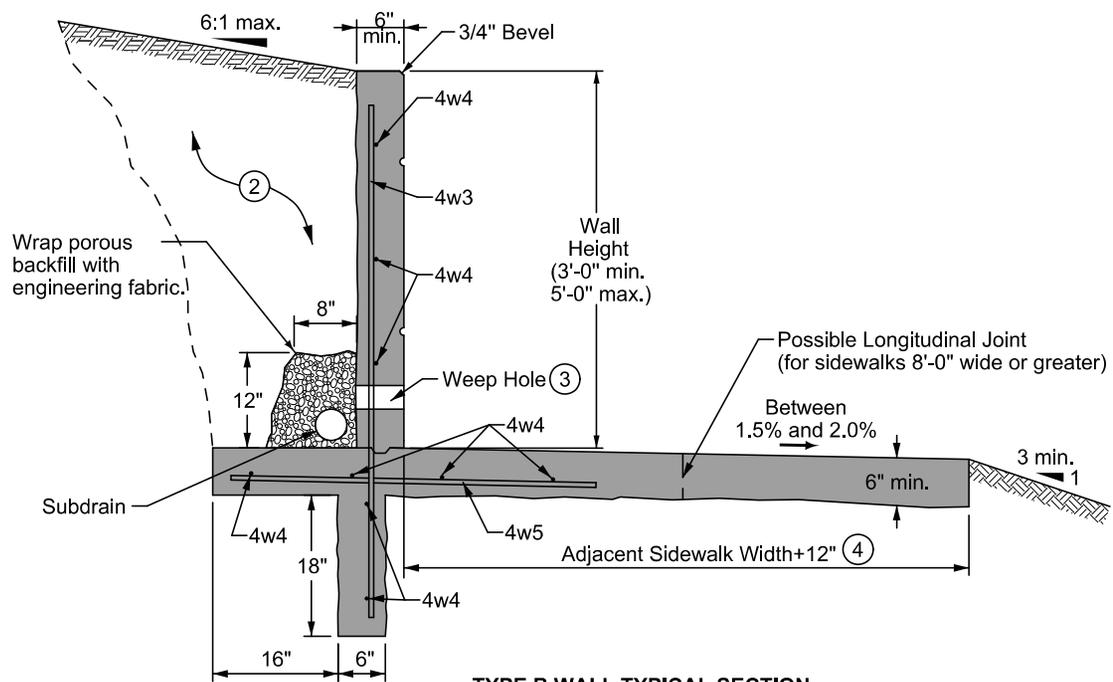
TYPICAL RUSTICATION DETAIL

FIGURE 9072.101 SHEET 1 OF 2

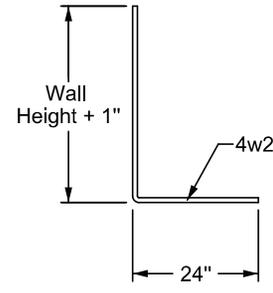
SUDAS	Iowa Department of Transportation	REVISION
		NEW 10-18-11
FIGURE 9072.101	STANDARD ROAD PLAN	MI-221
REVISIONS: Combined with SUDAS, New design.		SHEET 1 OF 2
Paul D. Wigard SUDAS DIRECTOR		Deanna Mayfield DESIGN METHODS ENGINEER
COMBINED RETAINING WALL - SIDEWALK		



TYPE A WALL TYPICAL SECTION



TYPE B WALL TYPICAL SECTION



BENT BARS

Provide a minimum concrete cover to near reinforcement of 1 1/2 inches. Provide 3 inches minimum cover at the ends of bars.

- ② Excavate and place backfill material as necessary.
- ③ Provide 3 inch diameter weep holes at 8 foot intervals. Install rodent guards in weep holes. Align bottom of weep hole with top of subdrain.
- ④ Additional 12 inch width is adjacent to wall.

REINFORCING BAR LIST					
Wall Type	Mark	Size	Shape	Length	Spacing
Type A	4w1	4	—	Variable	15"
	4w2	4	L	Variable	14"
Type B	4w3	4	—	Wall Height + 18"	14"
	4w4	4	—	Variable	15"
	4w5	4	—	3'-10"	14"

FIGURE 9072.101 SHEET 2 OF 2

SUDAS Iowa Department of Transportation	REVISION	NEW	10-18-11
	MI-221 SHEET 2 OF 2		
REVISIONS: Combined with SUDAS, New design.			
<i>Paul D. Weigand</i> SUDAS DIRECTOR		<i>Deanna Mayfield</i> DESIGN METHODS ENGINEER	
COMBINED RETAINING WALL - SIDEWALK			