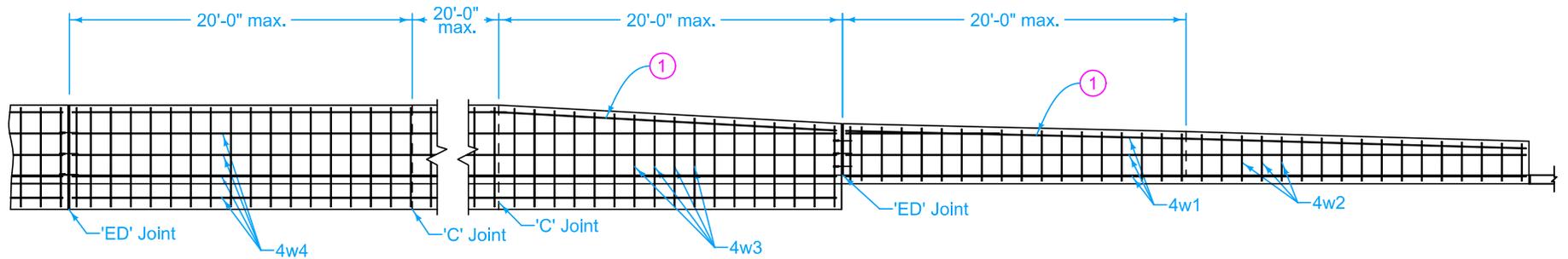


Provide a minimum concrete cover to near reinforcement of 1 1/2 inches. Provide 3 inches minimum cover at the ends of bars.

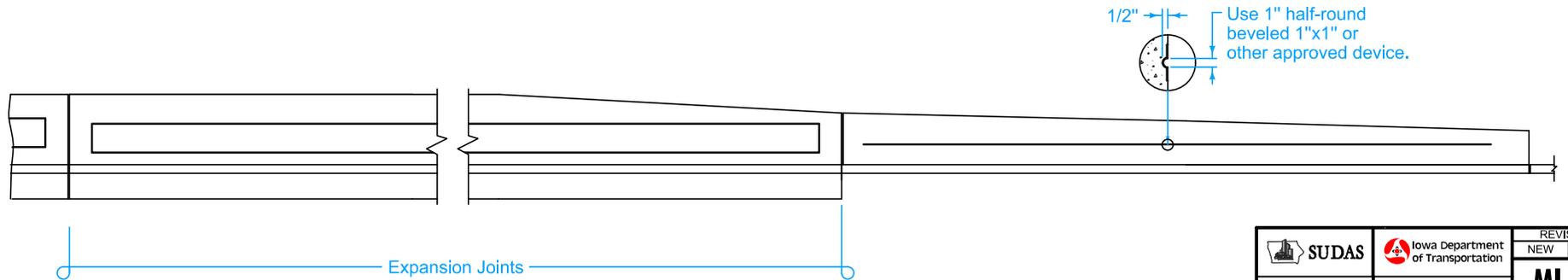
① Top bar parallel to top of wall. Lap 6 inch minimum as necessary. Tie securely.



TYPE B WALL

TYPE A WALL

TYPICAL LONGITUDINAL SECTION OF RETAINING WALL



TYPICAL RUSTICATION DETAIL

FIGURE 9072.101 SHEET 1 OF 2

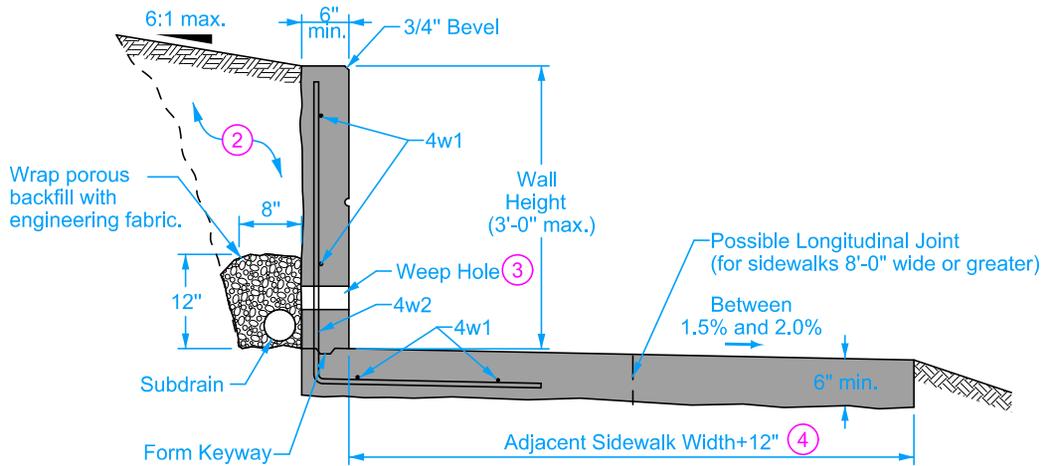
| | | |
|-----------------|-----------------------------------|--------------|
| SUDAS | Iowa Department of Transportation | REVISION |
| | | NEW 10-18-11 |
| FIGURE 9072.101 | STANDARD ROAD PLAN | MI-221 |
| | | SHEET 1 OF 2 |

REVISIONS: Combined with SUDAS, New design.

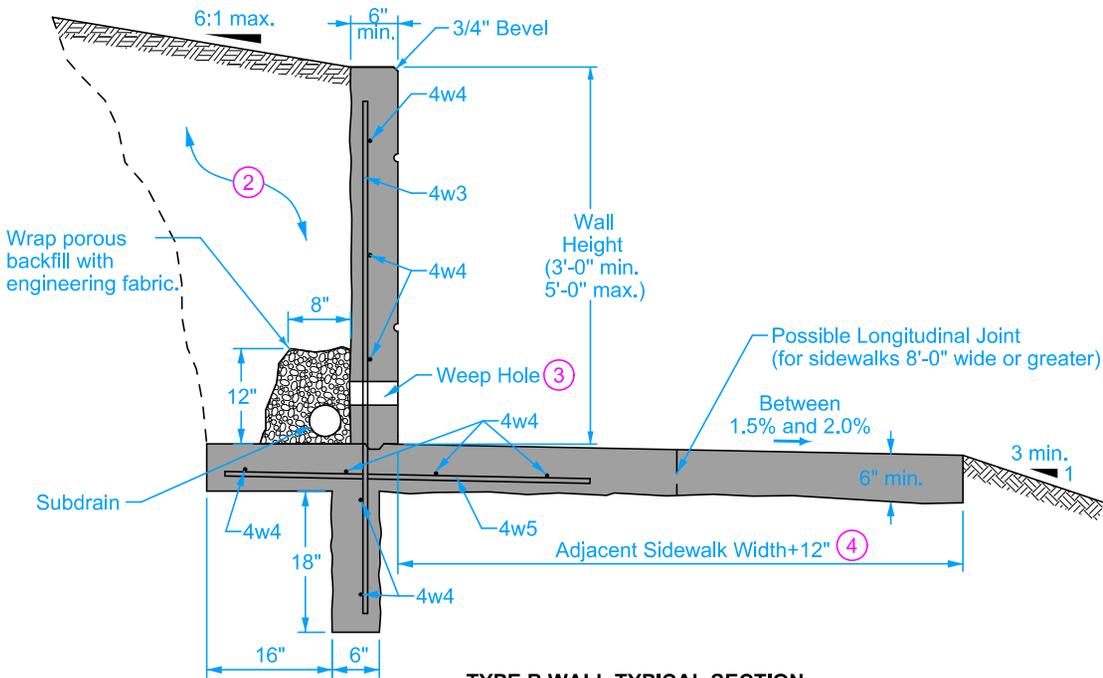
Paul D. Weigand
 SUDAS DIRECTOR

Deanna Mayfield
 DESIGN METHODS ENGINEER

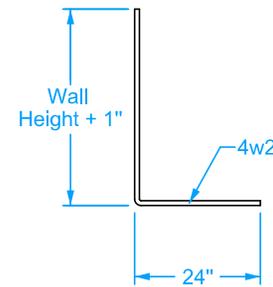
COMBINED RETAINING WALL - SIDEWALK



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" |

| | | |
|---|--|---|
| | | REVISION |
| | | NEW 10-18-11 |
| FIGURE 9072.101 | | MI-221 |
| STANDARD ROAD PLAN | | 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 | | |