Curb Retaining Wall Section

**Curb Retaining Wall Section**

**For H Greater Than 2'-6"**

- **Divider:** WALL HEIGHT: H
- **Divider:** TOEWALL DEPTH: T
- **Divider:** REQUIRED TRANSVERSE REINFORCEMENT
- **Divider:** REQUIRED LONGITUDINAL REINFORCEMENT

**WALL HEIGHT (H)**
- **NO TOEWALL NECESSARY**
  - 4# BARS @ 6" (RW02E, & RW01E)
  - 4# BARS @ 12" (RW02E & TW02E)
- **GREATER THAN 2'-6" TO 3'-0"**
  - 6" MIN
  - 4# BARS @ 6" (RW02E, RW03E, & TW02E)
  - 4# BARS @ 12" (RW02E & RW03E)
- **GREATER THAN 3'-0" TO 5'-0"**
  - 12" RW02E BARS @ 6" (RW02E, RW03E, & TW02E)
  - 4# BARS @ 12" (RW02E & RW03E)

**Notes:**
- 1. The curb retaining wall details are for quick field changes with approval of the engineer. Modular block walls or any other small retaining walls are the preferred choice during plan development.
- 2. When H is greater than 2'-6", cast the curb retaining walls in place. When H is less than 2'-6", the walls can be either precast or cast-in-place.
- 3. Chamfer edges 1/2" at the top of wall. Place a 1" round edge at the front of sidewalk.
- 4. The retaining wall has been designed to resist earth pressure only. Additional reinforcement may be required if any surcharge is applied behind the retaining wall within a distance equal to 2 times H and would require an approved shop drawing.
- 5. Minimum bar cover is 2" unless otherwise specified on this sheet.
- 6. Bend the RW02E and RW03E bars into one continuous L-shaped bar.
- 7. Bend the TW02E bars into 3 continuous U-shaped bars.
- 8. See detail M-3 for sidewalk details and notes, including construction joints and expansion material.
- 9. Do not place RW02E and TW02E bars through expansion joints. Stop reinforcement and maintain minimum bar cover as specified in previous notes.
- 10. The toe wall can optionally be placed at midpoint of the sidewalk.
- 11. All reinforcing steel must be epoxy coated.
- 12. If a curb is constructed adjacent to the structure, coat the front face of the sidewalk/toe wall with an approved bond breaker agent prior to the placement of concrete for the curb.
- 13. For curb retaining walls where H is 12" or less, a modified P.C.C. Curb Type 1-B can be used.
- 14. Curb has been omitted from these details for clarity purposes. For installations where the toe wall is placed at the toe of the sidewalk, the toe wall is not a replacement for the curb.
- 15. Sidewalk widths less than shown on this sheet require department approval. See pedestrian accessibility standards manual for more guidance.

**Curb Retaining Wall Section**

**Plan View**

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