**Curb and Gutter Endings**

- **Curb Type A**
- **Curb Type E**
- **Curb Type F**

**Shoulder Gutter**
- Sawcuts should be avoided within valley gutter and within curb and gutter endings.

**Contraction Joint in Curb and Gutter**
- **Type A**
- **Type B**
- **Type D**

**Expansion Joint Between Gutter and Concrete Pavement**
- Applies to both high and low sides of pavement; low side shown.

**Curb and Gutter and Type A Curb Adjacent to Flexible Pavement**

**General Notes**
1. For curb, gutter and curb & gutter provide 1/4" - 1/2" contraction joints at 10 centers (max.).}
2. Joint seal is required at all concrete curb expansion joints.}
3. Curb, gutter and curb & gutter expansion joints shall fit within the pavement joint spacing requirements.

**Concrete Bumper Guard**
- 6" Min. 3" Max.
- 5" Min. 3" Max.
- 5/8" or 3/4" Holes
- Pitch Optional
- 3/4" Cast or Rubbed

**Asphaltic Concrete Curb**
- 2" Min. 1 3/4" Max.
- 1 3/4" Min. 1 1/2" Max.
- 5/8" Min. 3/4" Max.
- 3" Min. 2" Max.
- 5" Min. 2" Max.
- 3" Min. 2" Max.
- Pitch Optional
- 1/2" Cast or Rubbed

**Concrete Gutter**
- 1/2" Min. 3/4" Max.
- 3/4" Min. 5/8" Max.

**Concrete Pavement**
- 5/8" Min. 3/4" Max.

**Joint Seal**
- 1/4" Min. 3/8" Max.