**NOTE: Review Individual Bollard Spec. for Installation Options.**

**ANCHOR STYLE A**

- **Concrete Bollard**
- **Cast-In Threaded Inserts**
- **Grade Line**
- **Quick Set Concrete or Grout**
- **Block Out Square**
- **Threaded Anchor Bolt**

*Distance of pipe below and above grade is to be determined by others.*

**NOTE:** This type anchoring is not used as barricade. If using bollard with light, run conduit through center of bolt pattern and stub out. $X =$ blockout dimension should be $1/2''$ less than the outside of the bollard.

**ANCHOR STYLE B**

- **4'' I.D. Sleeve**
- **Grade Line**
- **Max Height**
- **3'' Dia. Sch. 40 Steel Pipe**

*Distance of pipe below and above grade is to be determined by others.*

**NOTE:** This type anchoring is also used as a barricade. Bollard held in place by steel pipe. Steel pipe must be anchored in concrete footing.

Typ. 12'' dia. concrete bollard same anchoring system used on 14'' and 18'' dia. or sq. bollards.

**ANCHOR STYLE C**

- **Conduit for light cast in 1/2'' joint w/sealent**
- **Grade Line**
- **Concrete or Sand Fill**
- **Leveling Sand by Others**
- **Undisturbed Soil Cored**
- **Supply Conduit and Wire by Others**

- **Concrete Bollard**

*Distance of pipe below and above grade is to be determined by others.*