### BOLLARD DETAILS

**NOTES:**

1. THE 4"x1000 CONCRETE SHARED-USE PATH SHALL BE FINISHED TO INCLUDE A TEXTURED WARNING SURFACE BY USING A JOINT STRIKE TO PROVIDE A 1/4" DEEP V-JOINT AT 6"x650 O.C. PAYMENT FOR INSTALLING THE GROOVED FINISH SHALL BE INCIDENTAL TO THE SIDEWALK CONSTRUCTION.

2. FOR 8' (2450) AND 10' (3050) PATH WIDTH, THE OUTSIDE DIMENSION FROM CENTER OF BOLLARD TO EDGE OF PATH SHALL BE 2' (610) AND 3' (915) RESPECTIVELY.


4. STEEL TUBE TO EXTEND ½" (13) ABOVE GROUND WITH CONCRETE TO SLOPE AWAY FROM TUBE TO KEEP WATER AND SEDIMENT FROM DRAINING INTO TUBE.

### REMOVABLE BOLLARD

- **DETAIL A-A**
- **45° BEVEL (TYP) 4 SIDES**
- **REFLECTOR PANEL (PLACE ON ALL FOUR SIDES)**
- **EYE BOLT LAGGED INTO POST**
- **SEE NOTE 4**
- **2" (50) HOLE LOCATED 4" (100) ABOVE GRADE**
- **CLASS B CONCRETE**
- **6"x650 x 6"x650 x ½" (15) STEEL TUBE STOCK**
- **5" (150) x 5" (150) (NOM) TREATED POST**
- **SEE NOTE 4**
- **18" (450) DIA. STONE**
- **PLATE WELDED TO TUBE WITH 3" (75) O.C. HOLE**
- **6" (150) x 6" (150) NYLON TREATED POST**

---

**SHARED USE PATH INTERSECTION**

**SEE DETAIL A-A**

**REFLECTOR PANEL (PLACE ON ALL FOUR SIDES)**

**EYE BOLT LAGGED INTO POST**

**SEE NOTE 4**

**2" (50) HOLE LOCATED 4" (100) ABOVE GRADE**

**CLASS B CONCRETE**

**6"x650 x 6"x650 x ½" (15) STEEL TUBE STOCK**

**6" (150) x 6" (150) (NOM) TREATED POST**

**SEE NOTE 4**

**18" (450) DIA. STONE**

**PLATE WELDED TO TUBE WITH 3" (75) O.C. HOLE**