**Gate Placement**

- Gate type & height to match adjacent fences.
- Fencing/access easement/tract line.
- Gate post - not attached to fence.
- 15’ min.
- 12’ min. clr.
- Driving surface.

**Bollard Placement**

- Edge of access road.
- Fixed bollard.
- Removable bollard.
- 15’ min.
- 12’ min. clr.
- Driving surface.
- 6’ max.

**Post Bracket Support**

- 3/8” galvanized A36 steel plate (typical).
- Heavy-duty hasp - provide adequate clearance between pavement & hasp to allow hasp to lay flat when open.

**Removable Bollard Installation:**

- Removable bollard bases are set in a 12” diameter hole, 30” deep, and backfilled w/6” gravel on bottom and to finished grade with concrete. Lock hasp faces the street.

**Fixed Bollard Installation:**

- Set fixed bollards in a 16” diameter hole, 30” deep, and backfilled with 6” gravel on bottom and to finished grade with concrete.

**Additional Notes:**

- 1” bevel (typical).
- 1/4” fillet weld (both sides).
- Install post bracket support buried flush in concrete.
- Slide-through post bracket - 3/8” galvanized A36 steel plate.

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**City of Bellevue**

STORM AND SURFACE WATER UTILITY

**Title:**

GATE/BOLLARD PLACEMENT

**Date:** January 2015

**Scale:** No Scale

**No. D-45**