

Inspection and Technical Services

Gas Equipment Bulletin: Appliance Protection

ITS 21-010

Rationale: To illustrate an example of an acceptable method of protecting outdoor appliances from possible physical damage. See Figure (A).

A)

- 4" schedule 40 pipe filled with concrete
- Painted or coated. Paint may suit architectural design or building safety requirements.
- Top edge; rounded with no sharp edges.
- May require additional size, reinforcement or method depending on hazard assessment.

B)

- Minimum distance from finish grade to top of bollard.
- Additional distance may be required if the appliance could be damaged from higher elevations.

C)

- Minimum clearance measured from furthest point of appliance to inner edge of bollard or protection.
- Additional clearance may be required for opening of doors, removal of access panels, serviceability, potential impact force or manufacturer's specifications, etc.

D)

- Distance measured from centre to centre.
- Additional horizontal projection may be required if a potential hazard could be created from objects passing through bollards.

E)

- Below grade portion set in concrete.
- Crown final grade for drainage.
- Concrete and depth dependant on potential impact force, ground conditions, etc.

Consideration should be given to public accessibility.

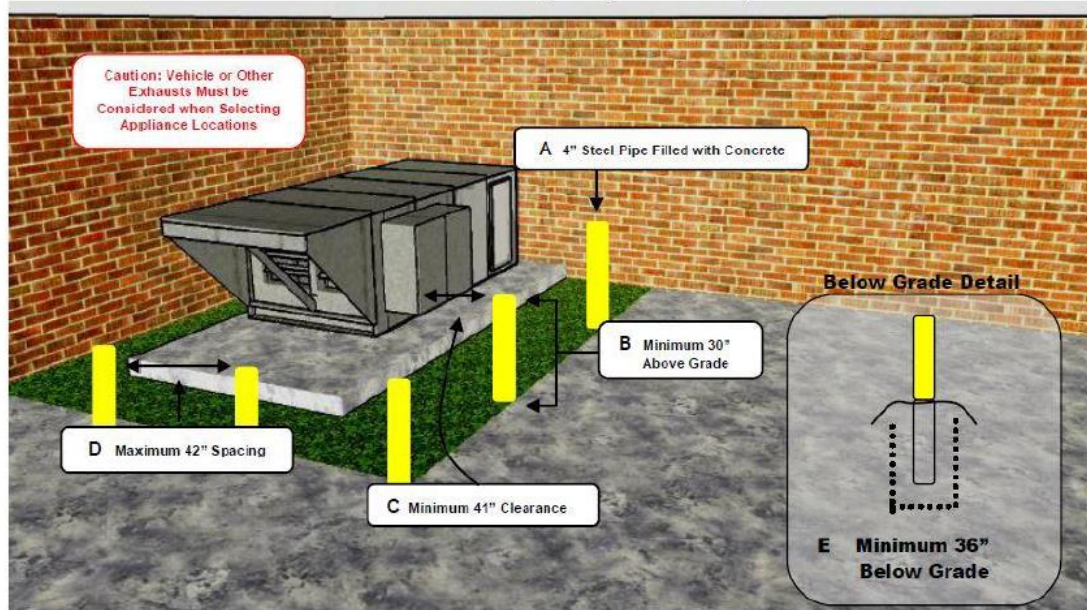


Figure (A)

All clearances and distances are considered minimum requirements. Due to a wide range of potential hazards associated with protection of appliances, installers and designers are to assess each installation individually providing appropriate protection based on their judgment and experience.