

REVISION: Added Notes from UGS-233.1 & Reformatted.
 (Flush Vent Information Archived)

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Standpipe vents should be placed in locations unobtrusive as possible that are least susceptible to vehicular damage, out of pedestrian traffic where right-of-way permits and they also should provide maximum ventilation of the underground structure.

For new installations approved Steel or Polyethylene standpipe vents may be used. PVC should be used for most field installations. To help blend with new construction designs, decorative polyethylene standpipes are available for 8-inch and 10-inch structure ventilation duct. HDG and steel may be used only in areas where vents are exposed to vehicular damage, such as alleys and driveways. Do not paint standpipe vents.

When replacing broken standpipe vents, keep the same style of standpipe for both the intake and exhaust vents.

Following is a list of typical installations, in order of preference.

1. Where a planted parkway is present (adjacent to curb):
 - A. An 18" minimum separation from curb face to vent centerline is required but not closer than 10" from outside sidewalk edge to vent centerline. In a "head in" parking location, the vent should not be closer than 24" to curb.
 - B. On private property, a 10" minimum separation from inside sidewalk edge to the vent centerline is required.
2. Where sidewalk is adjacent to curb:
 - A. Where sidewalk is adjacent to curb and sidewalk width is less than 6' from curb face to outside edge of sidewalk, place vent approximately 10" from the outside edge of sidewalk to vent centerline. Where street right-of-way exists behind sidewalk, an 18" minimum separation from curb face to vent centerline is required.
 - B. Where sidewalk is adjacent to curb and sidewalk width is 6' or more from curb face to outside edge of sidewalk, place vent in the sidewalk approximately 24" from the curb face to vent centerline. Locations close to the outside edge of concrete can be used when damage from vehicles is likely
 - C. On private property, a 10" minimum separation from inside sidewalk edge to the vent centerline is required.
3. When no sidewalk or curb is present:

Place the vent clear of area where vehicles or pedestrians may travel; Install barriers if necessary. Keep vents a minimum of four feet (two feet residential) from the points where curbs begin to slope to driveways and five feet from fire hydrants. The total straight lengths of each vent pipe entering a vault should be limited to approximately twenty feet. No more than 2-90° elbows should be utilized in an air duct run. Where two vents are present, they should exit the structure at opposite ends and be placed a minimum of ten feet apart at the surface. Polyethylene standpipe vents are standard.
4. In state highway rights-of-way, place vent a minimum of 24" from curb face to vent edge.

Note(s):

1. Keep vents a minimum of 4' from the points where curbs begin to slope to driveways. Keep vents a minimum of 5' from all fire hydrants. The total straight lengths of each vent pipe entering a vault should be limited to approximately 20'. No more than two 90° elbows should be utilized in an air duct run.
2. Where two vents are present, they should exit the structure at opposite ends and be placed a minimum of 5' apart at the surface.
3. Never paint any standpipe vent.