

Vertical 448.3

4.4 Setbacks

The vertical ground heat exchanger field well shall maintain the following setbacks as a minimum, unless specified otherwise by the local authority having jurisdiction:

- 3 m (10 ft) from a property line;
- 3 m (10 ft) laterally from any unpressurized (gravity flow) sewer lateral into a building;
- 6 m (20 ft) laterally from any pressurized (pumped) sewer lateral into a building;
- 1 m (3 ft) horizontally from any buried utilities (electrical, gas, water);
- 1 m (3 ft) horizontally from any existing or planned building or above-ground structure;
- for a vertical loop(s) beneath a building or parking garage, setbacks or clearances shall be defined by the local authority having jurisdiction and the structural engineer providing foundation calculations for the building permit;
- 15 m (50 ft) from a water well;
- 15 m (50 ft) feet from a septic tank and 30 m (100 ft) from a subsurface sewage leaching field; and
- 30 m (100 ft) feet from a spring.

Horizontal 448.4

4.4 Setbacks

The horizontal heat exchanger shall maintain the following setbacks as a minimum, unless specified otherwise by the local authority having jurisdiction:

- 3 m (10 ft) from a property line;
- 1 m (3 ft) horizontally from any buried utilities (electrical, gas, water);
- 1 m (3 ft) horizontally from any existing or planned building or above-ground structure; and
- for horizontal heat exchangers beneath a building or parking garage, setbacks or clearances shall be defined by the local authority having jurisdiction and the structural engineer providing foundation calculations for the building permit.

Surface Water 448.5

4.4 Setbacks

The ground heat exchanger shall maintain the following setbacks as a minimum, unless otherwise specified by the local authority having jurisdiction:

- 3 m (10 ft) from a property line;
- 1 m (3.3 ft) horizontally from any buried utilities (electrical, gas, water);
- 1 m (3.3 ft) horizontally from any existing or planned building or aboveground structure; and
- for ground heat exchangers beneath a building or parking garage, setbacks or clearances shall be defined by the local authority having jurisdiction and the structural engineer providing foundation calculations for the building permit

Open Ground Water 448.6

4.4 Setbacks

The open-loop water well shall comply with the requirements of ANSI NGWA-01 or requirements of the authority having jurisdiction, whichever is more stringent, and maintain the following setbacks as a minimum, unless otherwise specified by the local authority having jurisdiction:

- 3m (10 ft) from a property line;
- 3 m (10 ft) laterally from any unpressurized (gravity flow) sewer lateral into a building;
- 6 m (20 ft) laterally from any pressurized (pumped) sewer lateral into a building;
- 1 m (3 ft) horizontally from any buried utilities (electrical, gas, water);
- 1 m (3 ft) horizontally from any existing or planned building or above-ground structure;
- for vertical loop beneath a building or parking garage, setbacks or clearances shall be defined by the local authority having jurisdiction and the structural engineer providing foundation calculations for the building permit;
- 15 m (50 ft) from a water well;
- 15 m (50 ft) from a septic tank and one hundred 30 m (100 ft) from a subsurface sewage leaching field; and
- 30 m (100 ft) from a spring.

Standing Column 448.7

4.5 Setbacks

The standing column well shall comply with ANSI/NGWA-01 and maintain the following setbacks as a minimum, or the requirements for the local authority having jurisdiction, whichever is more stringent:

- 3 m (10 ft) from a property line;
- 3 m (10 ft) laterally from any unpressurized (gravity flow) sewer lateral into a building;
- 6 m (20 ft) laterally from any pressurized (pumped) sewer lateral into a building;
- 1 m (3 ft) horizontally from any buried utilities (electrical, gas, water);
- 1 m (3 ft) feet horizontally from any existing or planned building or above-ground structure. For a vertical loop beneath a building or parking garage, setbacks or clearances shall be defined by the local authority having jurisdiction and the structural engineer providing foundation calculations for the building permit;
- 15 m (50 ft) from a water well;
- 15 m (50 ft) from a septic tank and 30 m (100 ft) from a subsurface sewage leaching field; and
- 30 m (100 ft) from a spring.