

**2890.3500 AT-GRADE WELL INSTALLATION.**

Subpart 1. **General.** Costs for well installation of an at-grade well are as described in this part.

Subp. 2. **Hollow-stem auger.** Hollow-stem auger in sand, silt, or clay, with continuous sampling:

A. subitems (1) and (2) list the depth of the well and the maximum cost per two-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per two-inch well (steel riser with PVC screen):

- (1) 0 - 25 feet, \$1,694;
- (2) 26 - 50 feet, \$1,694 plus \$51 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$2,965 plus \$61 per foot beyond 50 feet; and
- (4) over 100 feet, \$5,990 plus \$73 per foot beyond 100 feet;

B. subitems (1) and (2) list the depth of the well and the maximum cost per four-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per four-inch well (steel riser with PVC screen):

- (1) 0 - 25 feet, \$1,800;
- (2) 26 - 50 feet, \$1,800 plus \$65 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$3,419 plus \$74 per foot beyond 50 feet; and
- (4) over 100 feet, \$7,079 plus \$96 per foot beyond 100 feet; and

C. subitems (1) and (2) list the depth of the well and the maximum cost per six-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per six-inch well (steel riser with PVC screen):

- (1) 0 - 25 feet, \$2,844;
- (2) 26 - 50 feet, \$2,844 plus \$94 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$5,173 plus \$95 per foot beyond 50 feet; and
- (4) over 100 feet, \$9,892 plus \$109 per foot beyond 100 feet.

Subp. 3. **Mud or air rotary.** Mud or air rotary in limestone or hard rock, with surface sampling only:

A. subitems (1) to (4) list the depth of the well and the maximum cost per two-inch well (steel riser with PVC screen):

- (1) 0 - 25 feet, \$2,662;
- (2) 26 - 50 feet, \$2,662 plus \$55 per foot beyond 25 feet;

- (3) 51 - 100 feet, \$4,024 plus \$64 per foot beyond 50 feet; and
- (4) over 100 feet, \$7,230 plus \$76 per foot beyond 100 feet;

B. subitems (1) to (4) list the depth of the well and the maximum cost per four-inch well (steel riser with PVC screen):

- (1) 0 - 25 feet, \$2,995;
- (2) 26 - 50 feet, \$2,995 plus \$72 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$4,780 plus \$79 per foot beyond 50 feet; and
- (4) over 100 feet, \$8,712 plus \$85 per foot beyond 100 feet; and

C. subitems (1) to (4) list the depth of the well and the maximum cost per six-inch well (steel riser with PVC screen):

- (1) 0 - 25 feet, \$3,298;
- (2) 26 - 50 feet, \$3,298 plus \$96 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$5,687 plus \$97 per foot beyond 50 feet; and
- (4) over 100 feet, \$10,527 plus \$111 per foot beyond 100 feet.

Subp. 4. **Air coring.** Air coring in limestone or hard rock, with continuous sampling:

A. subitems (1) to (4) list the depth of the well and the maximum cost per two-inch well (steel riser with PVC screen):

- (1) 0 - 25 feet, \$3,207;
- (2) 26 - 50 feet, \$3,207 plus \$69 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$4,946 plus \$81 per foot beyond 50 feet; and
- (4) over 100 feet, \$8,999 plus \$92 per foot beyond 100 feet;

B. subitems (1) to (4) list the depth of the well and the maximum cost per four-inch well (steel riser with PVC screen):

- (1) 0 - 25 feet, \$3,691;
- (2) 26 - 50 feet, \$3,691 plus \$73 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$5,506 plus \$96 per foot beyond 50 feet; and
- (4) over 100 feet, \$10,285 plus \$111 per foot beyond 100 feet; and

C. subitems (1) to (4) list the depth of the well and the maximum cost per six-inch well (steel riser with PVC screen):

- (1) 0 - 25 feet, \$3,993;
- (2) 26 - 50 feet, \$3,993 plus \$109 per foot beyond 25 feet;

- (3) 51 - 100 feet, \$6,716 plus \$119 per foot beyond 50 feet; and
- (4) over 100 feet, \$12,645 plus \$143 per foot beyond 100 feet.

Subp. 5. **Rotosonic drilling.** Rotosonic drilling in sand, silt, or clay, with continuous sampling:

A. subitems (1) and (2) list the depth of the well and the maximum cost per two-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per two-inch well (steel riser with PVC screen):

- (1) 0 - 25 feet, \$3,328;
- (2) 26 - 50 feet, \$3,328 plus \$98 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$5,778 plus \$101 per foot beyond 50 feet; and
- (4) over 100 feet, \$10,860 plus \$119 per foot beyond 100 feet;

B. subitems (1) and (2) list the depth of the well and the maximum cost per four-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per four-inch well (steel riser with PVC screen):

- (1) 0 - 25 feet, \$3,872;
- (2) 26 - 50 feet, \$3,872 plus \$101 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$6,413 plus \$128 per foot beyond 50 feet; and
- (4) over 100 feet, \$12,766 plus \$142 per foot beyond 100 feet; and

C. subitems (1) and (2) list the depth of the well and the maximum cost per six-inch PVC well, and subitems (3) and (4) list the depth of the well and the maximum cost per six-inch well (steel riser with PVC screen):

- (1) 0 - 25 feet, \$4,356;
- (2) 26 - 50 feet, \$4,356 plus \$152 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$8,138 plus \$174 per foot beyond 50 feet; and
- (4) over 100 feet, \$16,850 plus \$206 per foot beyond 100 feet.

**Statutory Authority:** *MS s 115C.07*

**History:** *28 SR 383; L 2010 c 241 s 4; MS s 115C.07 subd 3 paragraph (f)*

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