

**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, \$1,863;
- (2) 26 - 50 feet, \$1,863 plus \$56 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$3,262 plus \$67 per foot beyond 50 feet; and
- (4) over 100 feet, \$6,589 plus \$80 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, \$1,980;
- (2) 26 - 50 feet, \$1,980 plus \$72 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$3,761 plus \$81 per foot beyond 50 feet; and
- (4) over 100 feet, \$7,787 plus \$106 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, \$3,128;
- (2) 26 - 50 feet, \$3,128 plus \$103 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$5,690 plus \$105 per foot beyond 50 feet; and
- (4) over 100 feet, \$10,881 plus \$120 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, \$2,928;
- (2) 26 - 50 feet, \$2,928 plus \$61 per foot beyond 25 feet;

- (3) 51 - 100 feet, \$4,426 plus \$70 per foot beyond 50 feet; and
- (4) over 100 feet, \$7,953 plus \$84 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, \$3,295;
- (2) 26 - 50 feet, \$3,295 plus \$79 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$5,258 plus \$87 per foot beyond 50 feet; and
- (4) over 100 feet, \$9,583 plus \$94 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, \$3,628;
- (2) 26 - 50 feet, \$3,628 plus \$106 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$6,256 plus \$107 per foot beyond 50 feet; and
- (4) over 100 feet, \$11,580 plus \$122 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, \$3,528;
- (2) 26 - 50 feet, \$3,528 plus \$76 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$5,441 plus \$89 per foot beyond 50 feet; and
- (4) over 100 feet, \$9,899 plus \$101 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, \$4,060;
- (2) 26 - 50 feet, \$4,060 plus \$80 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$6,057 plus \$106 per foot beyond 50 feet; and
- (4) over 100 feet, \$11,314 plus \$122 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, \$4,392;

- (2) 26 - 50 feet, \$4,392 plus \$120 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$7,388 plus \$131 per foot beyond 50 feet; and
- (4) over 100 feet, \$13,910 plus \$157 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, \$3,661;
- (2) 26 - 50 feet, \$3,661 plus \$108 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$6,356 plus \$111 per foot beyond 50 feet; and
- (4) over 100 feet, \$11,946 plus \$131 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, \$4,259;
- (2) 26 - 50 feet, \$4,259 plus \$111 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$7,054 plus \$141 per foot beyond 50 feet; and
- (4) over 100 feet, \$14,043 plus \$156 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, \$4,792;
- (2) 26 - 50 feet, \$4,792 plus \$167 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$8,952 plus \$191 per foot beyond 50 feet; and
- (4) over 100 feet, \$18,535 plus \$227 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); 28 SR 383; L 2010 c 241 s 4; MS s 115C.07 subd 3 paragraph (f)*

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