

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, \$2,254;
- (2) 26 - 50 feet, \$2,254 plus \$68 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$3,947 plus \$81 per foot beyond 50 feet; and
- (4) over 100 feet, \$7,973 plus \$97 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, \$2,396;
- (2) 26 - 50 feet, \$2,396 plus \$87 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$4,551 plus \$98 per foot beyond 50 feet; and
- (4) over 100 feet, \$9,423 plus \$129 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, \$3,785;
- (2) 26 - 50 feet, \$3,785 plus \$124 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$6,885 plus \$128 per foot beyond 50 feet; and
- (4) over 100 feet, \$13,166 plus \$145 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, \$3,543;
- (2) 26 - 50 feet, \$3,543 plus \$74 per foot beyond 25 feet;

- (3) 51 - 100 feet, \$5,356 plus \$85 per foot beyond 50 feet; and
- (4) over 100 feet, \$9,623 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, \$3,988;
- (2) 26 - 50 feet, \$3,988 plus \$96 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$6,362 plus \$106 per foot beyond 50 feet; and
- (4) over 100 feet, \$11,595 plus \$113 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, \$4,390;
- (2) 26 - 50 feet, \$4,390 plus \$129 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$7,570 plus \$130 per foot beyond 50 feet; and
- (4) over 100 feet, \$14,012 plus \$147 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, \$4,269;
- (2) 26 - 50 feet, \$4,269 plus \$92 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$6,584 plus \$108 per foot beyond 50 feet; and
- (4) over 100 feet, \$11,978 plus \$122 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, \$4,913;
- (2) 26 - 50 feet, \$4,913 plus \$97 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$7,329 plus \$129 per foot beyond 50 feet; and
- (4) over 100 feet, \$13,690 plus \$147 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, \$5,314;

- (2) 26 - 50 feet, \$5,314 plus \$145 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$8,940 plus \$158 per foot beyond 50 feet; and
- (4) over 100 feet, \$16,831 plus \$190 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, \$4,430;
- (2) 26 - 50 feet, \$4,430 plus \$131 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$7,691 plus \$134 per foot beyond 50 feet; and
- (4) over 100 feet, \$14,455 plus \$158 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, \$5,154;
- (2) 26 - 50 feet, \$5,154 plus \$134 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$8,535 plus \$171 per foot beyond 50 feet; and
- (4) over 100 feet, \$16,992 plus \$189 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, \$5,798;
- (2) 26 - 50 feet, \$5,798 plus \$202 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$10,832 plus \$231 per foot beyond 50 feet; and
- (4) over 100 feet, \$22,428 plus \$275 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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