

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, \$2,049;
- (2) 26 - 50 feet, \$2,049 plus \$62 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$3,588 plus \$74 per foot beyond 50 feet; and
- (4) over 100 feet, \$7,248 plus \$88 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, \$2,178;
- (2) 26 - 50 feet, \$2,178 plus \$79 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$4,137 plus \$89 per foot beyond 50 feet; and
- (4) over 100 feet, \$8,566 plus \$117 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, \$3,441;
- (2) 26 - 50 feet, \$3,441 plus \$113 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$6,259 plus \$116 per foot beyond 50 feet; and
- (4) over 100 feet, \$11,969 plus \$132 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, \$3,221;
- (2) 26 - 50 feet, \$3,221 plus \$67 per foot beyond 25 feet;

- (3) 51 - 100 feet, \$4,869 plus \$77 per foot beyond 50 feet; and
- (4) over 100 feet, \$8,748 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, \$3,625;
- (2) 26 - 50 feet, \$3,625 plus \$87 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$5,784 plus \$96 per foot beyond 50 feet; and
- (4) over 100 feet, \$10,541 plus \$103 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, \$3,991;
- (2) 26 - 50 feet, \$3,991 plus \$117 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$6,882 plus \$118 per foot beyond 50 feet; and
- (4) over 100 feet, \$12,738 plus \$134 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, \$3,881;
- (2) 26 - 50 feet, \$3,881 plus \$84 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$5,985 plus \$98 per foot beyond 50 feet; and
- (4) over 100 feet, \$10,889 plus \$111 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, \$4,466;
- (2) 26 - 50 feet, \$4,466 plus \$88 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$6,663 plus \$117 per foot beyond 50 feet; and
- (4) over 100 feet, \$12,445 plus \$134 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, \$4,831;

- (2) 26 - 50 feet, \$4,831 plus \$132 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$8,127 plus \$144 per foot beyond 50 feet; and
- (4) over 100 feet, \$15,301 plus \$173 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, \$4,027;
- (2) 26 - 50 feet, \$4,027 plus \$119 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$6,992 plus \$122 per foot beyond 50 feet; and
- (4) over 100 feet, \$13,141 plus \$144 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, \$4,685;
- (2) 26 - 50 feet, \$4,685 plus \$122 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$7,759 plus \$155 per foot beyond 50 feet; and
- (4) over 100 feet, \$15,447 plus \$172 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, \$5,271;
- (2) 26 - 50 feet, \$5,271 plus \$184 per foot beyond 25 feet;
- (3) 51 - 100 feet, \$9,847 plus \$210 per foot beyond 50 feet; and
- (4) over 100 feet, \$20,389 plus \$250 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); 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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