

Install a Monitoring Well Procedure

Qualified Workers

Only qualified ABC Inc. lead technicians are permitted to lead this procedure.

Only qualified ABC Inc. assistant technicians are permitted to assist with this procedure.

Required PPE

- Head protection
- Safety glasses
- Hearing protection
- Coveralls, high visibility striping
- Work gloves
- Foot protection

Safety Resources

- Environmental spill kit
- Fire Extinguisher, 20 lb.
- First aid kit

Equipment and Supplies

- Client specifications document
- Rotary auger
- Tape measure
- Notepad and pen
- Hack saw
- Down-hole screen
- Solid-core pipe
- Utility knife
- Sand, bags of
- Bentonite, bags of
- Pipe protector
- Shovel

Procedure

Prepare

- 1) Read the Client Specifications document.
- 2) Don personal protective equipment.
- 3) Ensure safety resources are in place.
- 4) Prepare equipment and supplies for use.

Drill

- 1) Use the rotary auger to drill a 2-inch hole to the depth requested by the client.

Install

- 1) Use the tape measure to check the water level downhole and note the measurement.
- 2) Use the hacksaw to cut the screen to the height of the water down-hole.
- 3) Lower the screen down the hole by hand.
- 4) Use the auger to add lengths of solid pipe down the hole until the pipe touches bottom of hole.

Backfill

- 1) Use the utility knife to open bags of sand and bentonite.
- 2) Pour sand while measuring sand depth until it is 12-inches above the top of the downhole screen.
- 3) Once sand is at depth, pour bentonite until it can be seen down hole.
- 4) Lower pipe protector over the well and hold it in place while the driller assistant pours sand to 6 inches below ground level.
- 5) Use the shovel to tap the protector to settle and tighten sand.

Version Control

- Version: 1.28
- Revised: July 7, 2023