



DEEP WELL DEWATERING SOLUTIONS

Large-diameter wells for deep excavations, long-term groundwater control and difficult-access sites

Deep well dewatering uses drilled wells and electric submersible pumps to lower groundwater around an excavation or across a site. Wells can be placed around the perimeter or at strategic locations to achieve the required drawdown while keeping the work area accessible and controlled.

Deep well service includes

Diversified Dewatering can provide the full system turnkey: site review, well-field layout, drilling and well construction, pumps, power, controls, discharge piping, startup, monitoring, and removal. The system is matched to the excavation, groundwater conditions, access, and required drawdown—not simply to a standard well detail.

Common applications

- Excavations deeper than 17 feet below grade
- Pump stations, tanks, shafts, sanitary sewer and treatment-plant work
- Mass excavation and long-term site dewatering
- Utility and foundation projects where wellpoints are not practical

Other drilling services we provide

Billboards / Light pole foundations / Flag pole foundations / Slide rail corner posts / Stone columns

Designed around the project

Target water level, soil and groundwater conditions, excavation depth and footprint, well spacing, drilling depth and size, location, power, discharge route, site access, monitoring, and redundancy are considered before drilling begins.

AT-A-GLANCE CAPACITY

2–4 WELLS PER DAY	24”–60” DRILL HOLE DIAMETER
120’ DRILLING DEPTH	TRACK MOUNTED DRILL RIGS

SYSTEM & EQUIPMENT RANGE

LARGE-DIAMETER DEWATERING WELLS
3–60 HP ELECTRIC SUBMERSIBLE PUMPS
PERMANENT POWER OR DIESEL
GENERATORS
CRANE-TRUCK LIFT CAPABILITY UP TO 85’

Typical production depends on depth, diameter, geology, access and site setup.

FULL-SYSTEM TURNKEY SERVICE • RENTAL OPTIONS: DRILL RIG, TOOLING, PUMPS & DISCHARGE



PLANNED, INSTALLED AND MONITORED AS ONE SYSTEM

How a deep well project comes together

1 REVIEW THE SITE AND GROUNDWATER CONDITIONS

Confirm existing water level, target drawdown, excavation depth, soil or formation, recharge, access, schedule and discharge requirements.

2 DESIGN THE WELL FIELD

Establish well locations, depth, bore and casing diameter, screen and filter pack, pump size, power, controls, discharge and backup strategy.

3 DRILL AND CONSTRUCT THE WELLS

Mobilize track-mounted rigs, drill the well, install casing and screen, place filter pack and complete each well for reliable inflow.

4 INSTALL PUMPS, POWER AND DISCHARGE

Set submersible pumps, connect controls and generators or permanent power as required, route discharge and test each well and the combined system.

5 START, MONITOR AND DEMOBILIZE

Verify drawdown, adjust pump operation, monitor performance, and remove the temporary system after permanent work is complete.

Equipment and system capabilities

- Fleet of track-mounted drill rigs for challenging access
- 24"–60" drill-hole diameters and depths up to 120'
- 12"–20" large-diameter deep well casings
- Electric submersible pumps from 3 hp to 60 hp
- Diesel generators from 10 kW to 200 kW
- Crane-truck capability up to 85' of vertical lift
- Pumps, controls, and discharge components for complete systems

Turnkey or rental flexibility

Turnkey service can include planning, drilling, well construction, pumps, power, controls, discharge, startup, monitoring, and removal.

For contractors completing portions of the work with their own crews, rental options are available for the track-mounted drill rig, drilling tooling, pumps and discharge equipment.

Scan to check us out online

diversifieddewatering.com



Information that helps size a deep well system correctly

GROUND CONDITIONS

Soil or formation, groundwater elevation, recharge conditions, and known obstructions.

ACCESS

Rig travel path, working platform, setup area, overhead clearance and crane access.

DRAWDOWN

Existing water level, target water level, pumping duration and allowable operating range.

DISCHARGE

Route, distance, elevation, approved outlet, treatment needs, permits, and environmental controls.

EXCAVATION

Depth, footprint, sequencing, side slopes or support system and construction schedule.

POWER / OPERATIONS

Available electrical service, generator plan, controls, monitoring, redundancy, and site coverage.

DIVERSIFIED DEWATERING
13749 Rocky's Rd, Holland, MI 49424
616-613-1908
info@diversifieddewatering.com
diversifieddewatering.com



24/7 EMERGENCY
RESPONSE
616-613-1908



Reliable groundwater-control solutions for projects in the Midwest and beyond