



BYPASS PUMPING SOLUTIONS

Temporary flow management for sewer, stormwater, industrial and water-control projects

Bypass pumping is a temporary system that keeps flow moving while a sewer, storm line, pump station, pond or other water system is repaired, replaced, inspected or taken offline. A properly planned bypass maintains service, protects the work area and gives crews a controlled environment.

What a complete bypass service includes

Diversified Dewatering can help with system sizing, equipment selection, temporary piping, installation, testing, monitoring and removal. The goal is to match the system to actual flow, lift, distance, site access and required redundancy - not simply deliver a pump.

Common applications

- Sanitary sewer rehabilitation, manhole work and force-main projects
- Sanitary sewer, Storm sewer, culvert and drainage-system repairs
- Lift station shutdowns, maintenance and emergency failures
- Pond or lake pump-down and controlled water transfer
- Flooding, water main breaks and other unplanned outages

Designed around the project

Continuous and standby pumping, suction conditions, head loss, discharge routing, traffic crossings, power or fuel, noise, environmental controls and monitoring are evaluated before starting the project.

AT-A-GLANCE CAPACITY

Thousands OF GALLONS PER MIN	4"-30" HDPE DISCHARGE PIPE
Rapid Response	24/7 RESPONSE

MILES OF DISCHARGE PIPE AVAILABLE

4"-12" DIESEL & ELECTRIC PUMPS
Automatic start/stop controls, remote
alerts and onsite HDPE fusing

MILLIONS OF GALLONS PER DAY CAPACITY



PLANNED, INSTALLED AND MONITORED AS ONE SYSTEM

A well-planned bypass protects service, schedule and the work area.

How a bypass project comes together

- 1 REVIEW THE SITE AND FLOW**
Confirm average and peak flow, suction conditions, lift, discharge distance, route, access, duration and operating constraints.
- 2 DESIGN THE TEMPORARY SYSTEM**
Select pump sizes, duty/standby arrangement, piping diameter, valves, controls, crossings, discharge point and backup strategy.
- 3 INSTALL AND TEST**
Fuse and place HDPE, set pumps and controls, secure the route, test performance and verify alarms before the shutdown or excavation begins.
- 4 OPERATE AND MONITOR**
Use automatic controls, telematics, remote alerts and scheduled inspections to maintain the required flow around the clock.
- 5 REMOVE AND RESTORE**
Demobilize the system after permanent service is confirmed and restore work areas and access routes as required.

Equipment and system capabilities

- 4"-12" diesel and electric bypass pumps
- 4"-30" HDPE discharge pipe in large-volume inventory, with miles available
- Automatic start and stop controls
- Onsite fusing and a fleet of fusing machines
- Duty and standby configurations for redundancy
- 24/7 on-site or off-site support with rapid response

Why fused HDPE and Victaulic joints are used

- Heat-fused and Victaulic joints can create a leak-resistant discharge line union.
- Pipe can be routed around site constraints and connected to the needed length.
- Onsite fusing and Victaulic joints support accurate installation, adjustments and repairs.

Scan to check us out online

diversifieddewatering.com



Information that helps size a bypass correctly

FLOW

Average, peak and anticipated wet-weather or process flow.

DISCHARGE

Approved destination, permits and environmental controls.

HEAD

Static lift, suction conditions and expected friction loss.

POWER / FUEL

Electrical availability, generator needs or fuel plan.

ROUTE

Discharge distance, elevation changes, crossings and access.

SCHEDULE

Shutdown window, project duration and required monitoring.

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 temporary pumping solutions for the Midwest and projects beyond.