

WATER RESOURCES





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Water is one of our most precious resources. Therefore, reliable systems that collect, treat, store, and distribute water are an essential part of each community's infrastructure. Horrocks provides planning, design, permitting, and construction management services for drinking water, irrigation, stormwater, and wastewater systems.

SERVICES

Collection Systems

Dams & Storage Ponds

Detention & Retention Systems

Filtration Systems

Modeling, Pressure & Gravity

Pipelines

Pump Stations

Source Development

Storage Tanks

System Evaluation/Master Planning

Treatment Systems

Trenchless Technologies

Water Rights



LONG-TERM PLANNING

Long-term planning is vital for future growth and quality of life in communities. Horrocks partners with cities, municipalities, and counties to develop sustainable water management strategies.

Master Planning

Horrocks' master planning services include hydraulic and hydrologic modeling, system evaluation of future water sources, environmental impacts and water use analyses, capital facilities improvement plan (CFIP) recommendations, economic evaluations, and community impact studies.

Grants & Funding

We assist clients in overcoming the challenges of project funding by creating accurate cost estimates and conducting comprehensive fee analyses. Additionally, we can help with grant applications and the required documentation.

Environmental Compliance

Horrocks' full-service environmental team has the expertise to produce quality National Environmental Policy Act (NEPA) documentation and environmental studies for municipalities, water districts, and state and federal agencies.



DRINKING WATER

Source & Storage

We have a long history of helping local governments and agencies create and manage drinking water systems. Horrocks is well-versed in the legal, economic, political, and environmental requirements surrounding this valuable resource—water. We provide services for a variety of drinking water projects:

- Well Drilling, Well Design, and Well Rehab
- Pump Stations
- Concrete Tanks and Steel Tanks
- Buried Concrete Reservoirs
- Water Rights
- Dams and Storage Ponds

Conveyance

At Horrocks, we know water distribution systems are essential for delivering potable water to homes, businesses, and public facilities while supporting critical infrastructure. These systems ensure that water reaches end-users safely, reliably, and efficiently. These systems include:

- Pump Stations and PRV Stations
- Transmission and Distribution Pipelines
- Water Lines and Lift Stations



STORMWATER/ DRAINAGE

Horrocks has extensive experience in the study, analysis, planning, and design of drainage and hydraulic structures and systems that meet federal, state, and local government standards.

Hydrologic & Hydraulic Studies

Our expertise extends to conducting hydraulic evaluations on various storm drain features, assessing the capacity and functionality of storm drains, pipes, culverts, and other drainage infrastructure. Horrocks has completed thousands of hydraulic evaluations on most types of storm drain features.

Floodplain Management

Horrocks delivers comprehensive flood prevention solutions, helping communities and municipalities plan, prepare, and manage stormwater effectively. We specialize in designing and implementing stormwater systems that mitigate flood risks and enhance resilience such as dam and storage ponds, retention and detention systems, and debris basins.

Culverts

Horrocks has designed many small and large culverts including multiple-barrel box culverts that allow both water and wildlife passage, culverts for rivers with adjacent pedestrian paths, and culverts for off-site cross drainage.



WASTEWATER

Our skilled engineers and hydrologists have extensive experience in planning and designing wastewater solutions, including sanitary wastewater collection pipelines and related pump stations and facilities. We provide specialized services focusing on effective management of wastewater collection and sanitation systems.



SECONDARY WATER/ AGRICULTURE

We specialize in defining, designing, and managing sustainable agricultural and residential irrigation systems that utilize secondary water sources and wastewater reuse. Our expertise encompasses gravity and pressurized irrigation systems; design and maintenance of essential infrastructure, and rehabilitation and management of sewer lines, trunk lines, and lift stations.



SERVICES

Alternative Delivery
Construction Management
Construction, Planning, & Review
Digital Transformation
Environmental
Freight Rail
Geographic Information Systems
Pavement Management
Planning
Program Management
Public Engagement
Right-of-Way
Site & Land Development
Structures
Survey
Telecommunications
Transit
Transportation
Utilities
Visualization
Water Resources

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