



**FISHBECK, THOMPSON, CARR & HUBER**  
engineers | scientists | architects | constructors

# **COLLECT RECLAIM REPLENISH**

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WATER RESOURCES RECOVERY

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FROM THE DRAIN TO THE STREAM

## WATER RESOURCES RECOVERY

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As a professional, you are charged with protecting our vital water resources. The challenges involved in that effort are seemingly new every day, and your response to more stringent discharge regulations, capacity shortages, aging infrastructure, and funding gaps must continue to stay one step ahead.

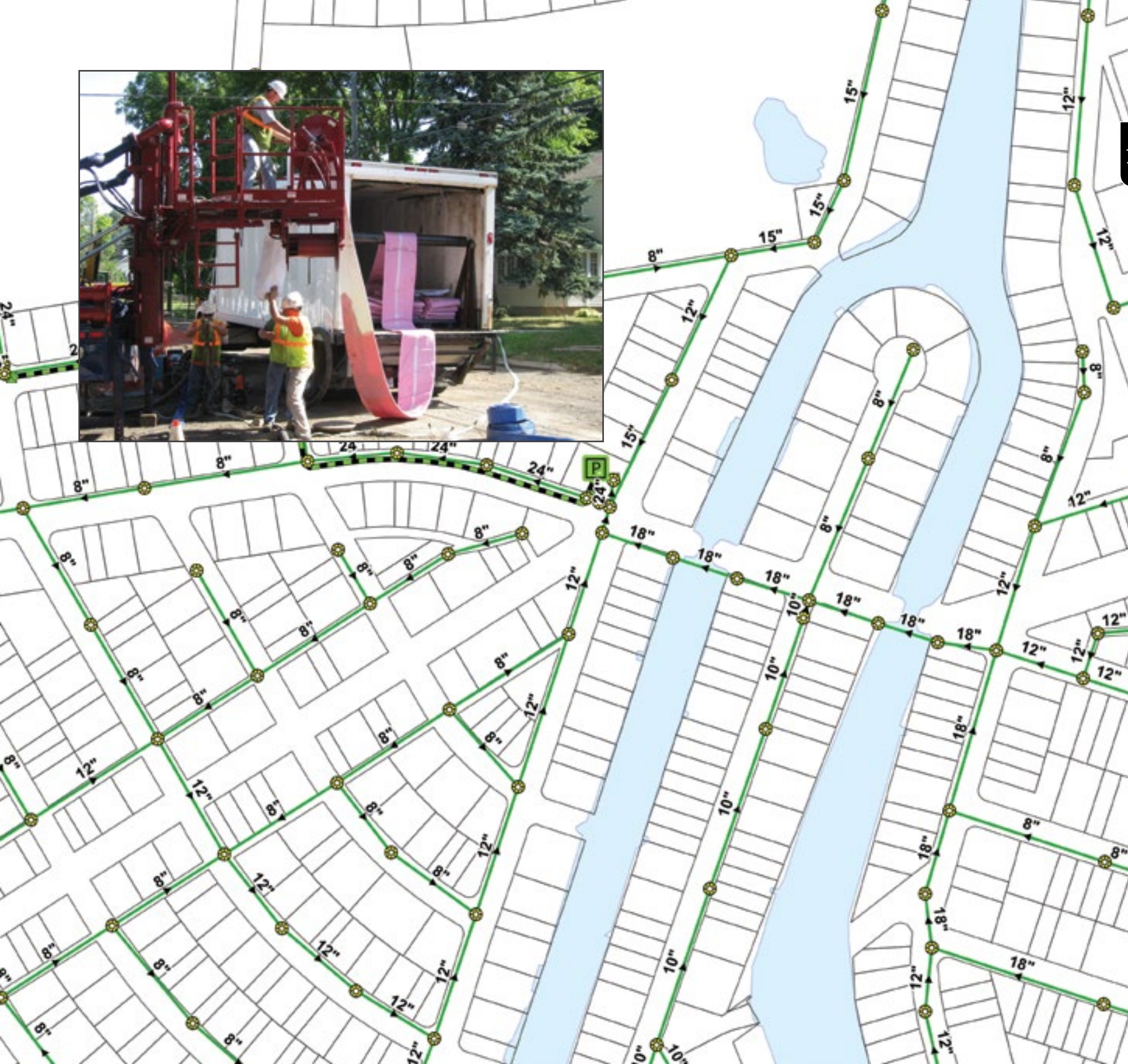
Our team of experts is your ally and committed to applying the best technologies and methods, delivering practical, results-oriented solutions that will meet your water resources recovery goals - efficiently, effectively, and economically.

FTCH knows your work is fundamental to protecting and enhancing our water resources. We seek to partner with you to develop cost-effective and sustainable ways to help you collect, reclaim, and replenish tomorrow's water today.



COLLECT RECLAIM REPLENISH

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## COLLECT

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Wastewater collection systems transport wastewater to treatment and recovery facilities before being returned to the environment. The design of wastewater collection systems considers the size of a community; the residential, commercial, and industrial clients that will use the system; and wet weather flow characteristics. For both new and existing wastewater collection systems, FTCH has the experience to meet your project's needs.

FTCH designs complete underground infrastructure for projects, which often include the planned replacement of water, sewer, and stormwater utilities. Our field staff carefully oversees project construction activities, being sure to coordinate and communicate directly with the customers that are inconvenienced by construction activities.

- WASTEWATER COLLECTION SERVICES**
- ASSET MANAGEMENT
- CAPACITY ANALYSIS
- COMBINED SEWER OVERFLOW CONTROL
- CSO RETENTION BASINS AND CONTROLS
- DESIGN AND CONSTRUCTION
- EXISTING SYSTEM SURVEYS
- FLOW MONITORING AND MODELING
- GEOGRAPHIC INFORMATION MANAGEMENT
- GREEN INFRASTRUCTURES
- LIFT STATIONS AND FORCE MAINS
- MANHOLE AND SEWER REHABILITATION
- MASTER PLANS
- PACP/MACP CONDITION ASSESSMENTS
- PLANNING AND ANALYSIS
- REGULATORY ASSISTANCE
- SANITARY SEWER OVERFLOW CONTROL

PROTECTING OUR ENVIRONMENT AND THE

# **WATERS WE ENJOY**

FOR OUR LIVELIHOOD,  
RECREATION, AND RELAXATION.



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## RECLAIM

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Our sustainable, innovative approach to wastewater treatment is demonstrated by our many successful projects throughout the Midwest. Our team of engineers, scientists, and technicians recognize our clients need their wastewater infrastructure to be efficient, effective, economical, and reliable. Beginning in the conceptual planning stage of a project, FTCH's staff works closely with clients to identify project goals and develop a program to achieve them. Our experience includes large and small municipal projects, industrial pretreatment systems, and direct discharge industrial treatment systems.

MASTER PLANNING

FACILITY ASSESSMENTS

GIS/COMPUTER MAPPING

ASSET MANAGEMENT

SCADA

DESIGN/CONSTRUCTION

BUILDING INFORMATION MODELING

CONSTRUCTION MANAGEMENT

DESIGN BUILD

PLANT OPTIMIZATION STUDIES

FUNDING

REGULATORY ASSISTANCE

IPP CONSULTATION

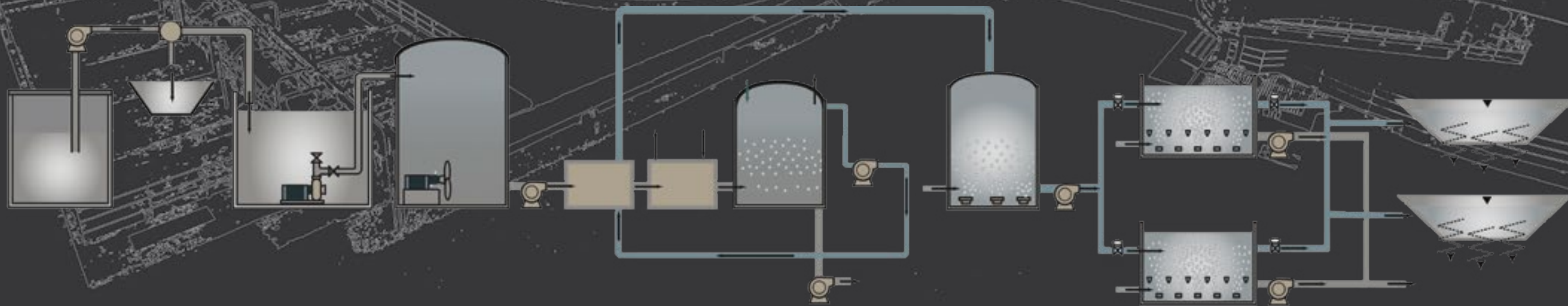
NPDES PERMITTING

HEADWORKS LOADING ANALYSES

OPERATIONS SUPPORT

# WE HAVE THE EXPERTISE TO GET THE JOB DONE

## EFFICIENTLY, EFFECTIVELY, AND ECONOMICALLY.





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## REPLENISH

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### FTCH IS COMMITTED TO PROTECTING OUR WATER RESOURCES

Ensuring safe access to  
water and sanitation

Preserving our environment  
for future generations

Improving water quality  
and enhancing biodiversity

FTCH understands water's vital role in life and a sustainable future. Water is critical to the health and economic prosperity of the communities we serve. It is our obligation to ensure its availability to future generations by helping replenish and release it back to the natural environment.

We take this obligation to protect and enhance our water resources seriously and constantly reach for better ways to protect our environment and the waters we enjoy for our livelihood, recreation, and relaxation. For our part, we continue to work to improve the systems and facilities we design by evaluating and applying appropriate new technology while striving to make collection and treatment more effective, efficient, and economical for our municipal and industrial client partners.

Government, civil society, and businesses have a responsibility and opportunity to work together to replenish area watersheds, providing this resource to thousands of people, countless species of plants and wildlife, and treasured ecosystems.





WATER RESOURCE RECOVERY FACILITIES  
PROVIDING WATER FOR

# **BENEFICIAL REUSE**

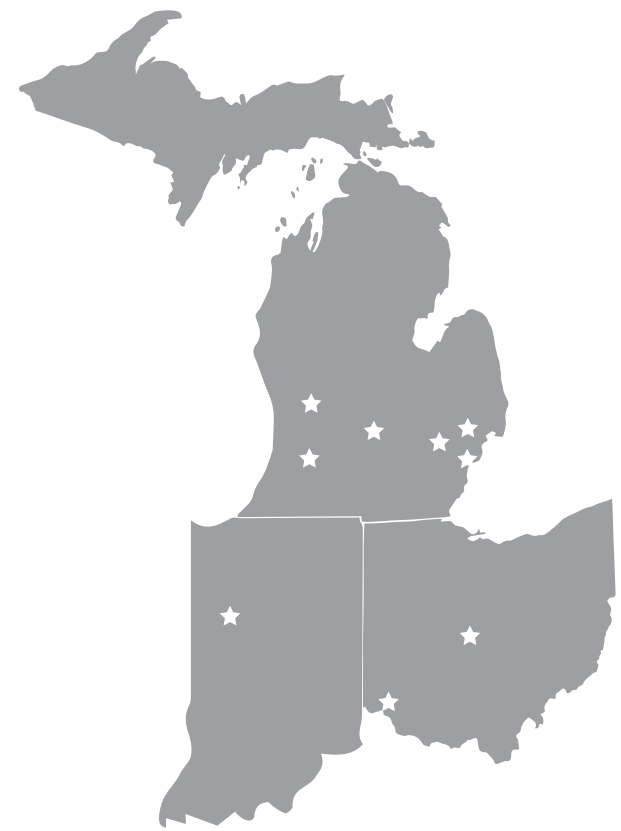


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**WHERE WE ARE**

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- GRAND RAPIDS
- NOVI
- LANSING
- KALAMAZOO
- CINCINNATI
- MACOMB
- LAFAYETTE
- COLUMBUS
- METRO DETROIT





**INSPIRING RESULTS**