



## CASE STUDY

# GROUND TRUTH, DELIVERED

Verifying integrity and reducing risk across complex dig sites for a major energy operator

## AT A GLANCE

Charps executed a high-stakes integrity dig program across the Northeast. From railroads and rivers to tight urban lots and high-traffic corridors, we tackled dozens of digs — each with its own challenges, restrictions and curveballs. Through precise planning, sharp coordination and crews who know how to pivot, we delivered every dig safely, efficiently and without downtime or delays. Because in-field problem-solving is our happy place.

## OBJECTIVE

While goals always vary dig-by-dig, the common thread was cut and dry: Confirm pipeline integrity and complete every scope to the highest standards of safety, accuracy and compliance despite the roadblocks. To set the stage for long-term reliability, our execution had to be precise. Documentation meticulous. And most importantly, our crews dynamic and ready for anything.

## OUR APPROACH

Rigorous planning is the foundation of every Charps dig. We think through every variable, from spoil zones to shoring and build a detailed plan of attack. The same superintendent who built the plan leads the crew, ensuring fewer hand-offs and seamless problem-solving. From first locate to final backfill, we keep operators in the loop with daily updates, full documentation and total transparency.

### OBJECTIVES



#### River dig

Protect an exposed segment of pipe in a regulated waterway



#### Parking lot tie-in dig

Connect offset bores in a tight lot between a hotel and a car dealership



#### Railroad dig

Investigate a casing short under live railroad tracks



#### Short clearance dig

Resolve a metallic short in a casing without removing the pipe

### APPROACH



#### River dig

Install sandbags and riprap using an amphibious excavator to shield pipe



#### Parking lot tie-in dig

Prep dual tie-ins in tight commercial space with Offset Tie-ins on a bore.



#### Railroad dig

Access both ends of the casing to attempt short clearance



#### Short clearance dig

Open casing and scoped path to resolve metallic contact



## CHALLENGES

While planning is the backbone of our process, adaptability keeps it moving, as conditions shifted constantly. We faced accelerated environmental windows, shallow utilities, contaminated soils, tight urban spaces and groundwater that needed round-the-clock control. While you never know what's underground until you dig, one thing is certain. Charps delivers on schedule, in compliance and with zero compromise on quality or safety. No matter what we might be up against.

## SOLUTION

When you do your homework and prepare for almost any possibility, one contractor's full-blown emergency is just a bump in the road for Charps. Our team thrives on the unexpected — using field-tested experience, sharp problem-solving and a calm, get-it-done mindset to push projects forward without delay.

In this program, that meant adjusting scopes midstream, navigating tight urban footprints, managing environmental controls in real time and adapting repair strategies on the fly. Our flexible workforce model made it easy to shift crews, resequence work and bring in the right equipment fast. From coatings and anomaly repairs to deep excavation and pipe lifts, we delivered 360° pipeline integrity without compromising timelines, budgets or regulatory requirements.

### CHALLENGES



#### River dig

Environmental deadline moved up with work already underway



#### Railroad dig

Shorted casing fix turned into pipe replacement after excavation began



#### Parking lot tie-in dig

Access points ended up more congested than scoped



#### Short clearance dig

Pipe was fully seated on casing floor, with no room to fix the short as planned

### SOLUTION



#### River dig

Finished in-water work early with amphibious excavator and crane assist



#### Railroad dig

Shifted scope to full pipe replacement using aqua barriers and piling



#### Parking lot tie-in dig

Completed welds onsite, coordinated with traffic control to tie in safely



#### Short clearance dig

Used airbags to lift pipe and installed FRP pads to restore spacing

## RESULTS

Every dig delivered full transparency into pipeline conditions and complete confidence in the work. Because our team did the job right the first time (despite the challenges), this program did more than solidify pipeline integrity. These digs kept the clients' schedules intact, budgets steady and laid the groundwork for smarter, more confident planning down the road. That's how Charps helps operators find their happy place.

### RESULTS



#### River dig

Protected sensitive waterway while staying ahead of revised deadlines



#### Railroad dig

Maintained schedule and regulatory trust on a high-profile site



#### Parking lot tie-in dig

Delivered a clean, low-impact tie-in in a crowded urban zone



**Turn Lane Dig**  
Solved short without major excavation or costly replacement