

Endura XL150 'saves the day' for historic Georgia property

Client faced a \$44,000 price tag to install a traditional gravity-fed concrete grease interceptor. Endura's lightweight hydromechanical system offers better performance at a fraction of the cost.

CASE STUDY

Endura came to the rescue when a couple in Columbus, Georgia was faced with an "absurd" cost to install a traditional gravity-fed concrete interceptor in a historic property they have restored to include two restaurants, a bakery and café and event space. Endura's technical and customer service teams stepped up when local water officials had to be convinced the lightweight hydromechanical system would work. The company's performance track record did just that



CHALLENGE

- + 405 Broadway is a nearly 9,000-square-foot property in Columbus, Georgia, that opened in December 2023. The location features fine and casual dining, an upper-level bar, a patio, event spaces, botanical gardens, an ice cream shop, a bakery and boutique accommodations.
- + Located in the city's Historic District, the property includes the fully restored Goetchius House, built in 1839 and listed on the National Historic Register. The building features New Orleans-inspired architecture and has hosted a number of milestone events and celebrations throughout its history.
- + After 12 years of vacancy, designer Renata Martoni and her husband, contractor Matthew Lapides, purchased and restored the house in 2021.
- + They undertook a complete restoration of the property. They soon realized that one of their biggest challenges would be finding a grease management system that could satisfy local building codes.

"One of the biggest unexpected hurdles we faced in this two-year restoration project was the grease trap. Local water officials were unfamiliar with Endura products and it took some convincing but this is the right thing for the water system at an affordable price. Most businesses could take a lesson from Endura in terms of customer service. The team is responsive, knowledgeable and went above and beyond to make this happen. Endura saved the day for us."

Matt Lapides
Contractor and co-owner
of 405 Broadway

- + A small existing grease interceptor did not meet water code requirements and had heavily deteriorated. The volume of wastewater that would be produced by 405 Broadway's operations required a much larger tank.
- + But even the smallest concrete grease interceptors weigh hundreds of pounds. A properly sized concrete tank for 405 Broadway would tip the scales at several tons.
- + That installation would require heavy equipment but using a boom truck isn't feasible on this property. The historic house sits on the side of a hill and is surrounded by an eight-foot brick wall, an abandoned railroad track alongside the river, and power lines and poles that made using the heavy equipment all but impossible. Lapidus was told it would take a military helicopter or a commercial crane that could extend over the house from the street.
- + Either option carried a \$44,000 USD price tag, which he called "absurd." That just wasn't in the budget.

SOLUTION

EnduraXL
Grease Interceptor



- + Every food service business needs to prevent grease from entering the wastewater system. Grease interceptors are designed to separate and store fats, oils, and grease (FOG) from kitchens and other food service facilities for proper disposal.
- + Endura's hydromechanical grease interceptors is connected through piping to sinks, dishwashers, floor sinks, and floor drains. They are installed downstream of the fixtures to treat kitchen wastewater using gravity separation aided by vented flow control. The sizing of the grease interceptor is based on the gallons per minute (GPM) flow of the fixtures draining into the unit.



- + Endura's engineered thermoplastic grease traps weigh a small fraction of concrete but are incredibly durable.
- + The concrete grease interceptor on the 405 Broadway property that was installed for a former French restaurant – which was undersized to satisfy modern plumbing codes – had almost completely deteriorated due to the accumulation of acid.
- + In contrast, the high-density polyethylene of Endura tanks is impervious to acid and entirely leak-proof.
- + And Endura's flow restrictor technology makes for a highly efficient system. Where traditional gravity systems using concrete tanks have 75 per cent of their capacity taken up with water and solids, Endura's units mechanically filters out 90 per cent of water and solids, leaving only the grease behind.
- + After discovering Endura through research, Lapides reached out to the company's technical team to ask questions and found them to be "amazing and incredibly helpful."
- + Following extensive investigation, Lapides made the decision to go with the Endura XL150 with cast iron lids and ordered it from a distributor. But an issue with shipping meant the unit was not going to arrive on time to meet the construction schedule. Lapides reached out to Endura's customer service, which passed the issue on to market development specialist Travis Hardy.
- + Hardy worked with customer service to get the unit onsite in time to be installed with the plumbing system over a few days in August 2023.



"We were able to work as a team and make things right for a customer who was relying on us. I am proud of that," says Hardy.



See Next Page

RESULTS

- + Though local water officials in Georgia have tended to support the status quo of gravity-fed concrete grease management systems, rather than disruptive technology such as Endura's thermoplastic units, the client found he was able to push local politicians to support an innovative solution that exceeded requirements.
- + Securing approval took patience and communication. The building officials asked for extensive documentation and several onsite meetings. Endura technical staff met with city officials to explain the technology, its specifications and its track record of performance in other jurisdictions.
- + Installation took place over several days in August 2023. Rather than a helicopter or crane, only a few workers were needed to carry the Endura XL150 tank from the back of a pickup truck. The plumber leading the project found it easy to work with the Endura system despite not having done so before.
- + The total cost was less than \$10,000. That allowed Lapides to complete this restoration project within two per cent of his budget. He's now a lifelong fan of Endura products.



3 TAKEAWAYS

- + Endura's lightweight thermoplastic grease interceptor provided a feasible, cost-effective and highly efficient alternative to a gravity-fed concrete system that would have been very expensive to install.
- + Endura's technical team went above and beyond to work with local officials to secure approvals and customer service worked with the client and distributor to get the XL150 onsite in time to meet construction timelines.
- + The Endura XL150 is impervious to leaks, rot and decay.



To learn more about Endura Grease Interceptors, please visit ipexna.com Toll free: (866) 473-9462

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