

ASTM D790 Cured-In-Place-Pipe (CIPP) Testing

As a continued leader in laboratory testing capabilities, and through our numerous accreditations, The Robert B. Balter Company (Balter) is now performing Cured-in-Place-Pipe (CIPP) testing with ASTM D790 (*Test Methods for Flexural Properties of Un-reinforced and Reinforced Plastics and Electrical Insulation Materials*). This test supports the quality control of the CIPP for the purposes of water and sewer pipelines ensuring the quality of the rehabilitation and minimizing the Owners' risk.

UNPARALLELED LABORATORY CAPABILITIES...

Balter's accredited laboratories include a wide array of conventional and sophisticated machines to offer materials testing on soils, concrete, rock, aggregates, asphalt, fireproofing and other specialized tests.

Balter has achieved one of the highest levels of accreditation in construction materials testing. These include eight (8) agency accreditations; 92 individual ASTM & AASHTO test procedures; and 53 USACE test procedure validations including:

- **ASTM E329:** *Standard Specification for Agencies Engaged in Construction Inspection and/or Testing*
- **ASTM D3666:** *Standard Specification for Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials*
- **ASTM C1077:** *Standard Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation*
- **ASTM D3740:** *Standard Practice for Minimum Requirements for Agencies Engaged in the Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction*
- **ASTM C1093:** *Standard Practice for Accreditations for Testing Agencies in Unit Masonry*
- **AASHTO R-18:** *Standard Recommended Practice for Establishing and Implementing a Quality System for Construction Materials Testing Laboratories*
- **ER 1110-1-261:** *US Army Corps of Engineers Validations*
- **WACEL:** *Accredited Engineering Laboratory – Soils and Concrete*

PROVIDING ACCURATE RESULTS...

It is vitally important for our clients to have the most accurate results because they affect all design and construction issues. To ensure accurate results, Balter has established a stringent Quality Management System (QMS) which includes frequent audits and inspections by independent third party agencies. Under the supervision of our Professional Engineers, laboratory managers direct a staff of nationally certified technicians utilizing fully automated research-grade apparatus resulting in a rapid and error-free computer generated report.



For More Information Contact:
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THE ROBERT B. BALTER COMPANY - CIPP TEST PLOT

Small Local Sewer Rehabilitation Location: Washington, D.C. Project No.: 16692-0
Test Date: 8/5/2015

Sampled Date/Time: [] In-Situ Form Type: Restrained Plate

Test Report – Flexural Properties of Cured-in-Place Pipe (CIPP) – ASTM D790

Material: 10" diam. Liner, polyester resin
Location: MH 42909 1607 38th St

	1	2	3	4	5	6	7	8	9	10	AVG.
Modulus (ksi)	23	0.23	0.23	0.23	0.23						
Modulus (MPa)	0.126										

Procedure A - Plate 0.01 (in./in./min.)
Procedure B - Plate 0.10 (in./in./min.)