



2 February 2026

Kimberly Paggioli, P.E.
Vice President, Engineering
Hobas Pipe USA
1413 E. Richey Road
Houston, TX 77073

Project 151950.12– Audit of Hobas Pipe USA Qualifications for Pipe Production and Laboratory Testing in Accordance with ASTM D3262, ASTM D3517, ASTM D3754, ASTM D3681, ASTM D2992, and AWWA C950
Hobas Pipe USA, Houston, TX

Dear Ms. Paggioli:

Hobas Pipe USA (Hobas) is a producer of Fiber-Reinforced Polymer Mortar (FRPM) pipe systems for buried applications, pipe jacking, tunnel lining, and sliplining rehabilitation, including both round and non-round shapes in accordance with ASTM D3262, ASTM D3517, ASTM D3754, ASTM D3681, ASTM D2992, and AWWA C950. The design of pipe products follows the guidelines of AWWA M45. Hobas requested that Simpson Gumpertz & Heger Inc. (SGH) perform an independent facility audit and provide a statement on Hobas' ability and qualifications to produce pipe and perform testing under the subject ASTM standards. This audit is intended to serve as an independent and impartial opinion, and SGH makes no representation or warranties of any kind, expressed or implied, about Hobas' product produced for specific projects.

1. FACILITY AUDIT

We have performed a facility audit of Hobas Pipe USA manufacturing and testing facilities in Houston, TX. Our audit spanned multiple visits between October 2025 and January 2026 and focused on a review of Hobas' qualification to produce pipe and perform testing in accordance with the subject standards. Our audit included a tour of the facility, review of production facilities, storage and handling of raw materials, sample manufacturing records, quality assurance programs, and in-house laboratory testing facilities and calibration records for related laboratory equipment. During our facility audit, we confirmed the following aspects of production and testing:

- The raw materials used for the production conformed to the specifications for the projects for which they were being produced, and that documentation, such as shipping invoices and certificates of analysis, matched the material on site.
- Resin and aggregate used in the manufacture of the sample pipes were stored inside large steel tanks in the “Bulk Storage” room under environmentally controlled conditions, with temperatures ranging between 68°F and 72°F.
- During production, sand and resin from the bulk tanks are pumped into smaller “day tanks” where the resin is then warmed to 77°F (25°C) and catalyzed and tinted with dye (if requested by the customer).
- Glass hoop and glass chopped fiber materials are stored at ambient indoor conditions. Fiber materials are generally stored inside the production facility and moved to the staging area above the production bays as needed.
- All storage conditions and temperatures observed during our audit complied with the manufacturer’s recommendations for the materials used.
- Hobas performed dimensional verification and quality control checks and recorded results on Manufacturing Records and Quality Control Forms.
- Hobas performed various laboratory tests on coupon samples and full-scale pipe samples to evaluate strength, modulus, and performance characteristics for comparison with the design properties and project specifications. We also witnessed long-term testing (in progress) of test samples for ASTM D3681 and ASTM D2992 hydrostatic design basis and reviewed and analyzed their test results conducted under those standards. We verified that testing was conducted in accordance with the applicable test standards, and the equipment used by Hobas was suitable for conducting the required tests. Calibration records showed that the equipment is within calibration at the time of testing. Testing during our Audit was performed by Hobas’ Laboratory Supervisor, Mr. Jose Rodriguez (date of hire: 1985), and the Quality Control Specialist, Mr. Truong Do (date of hire: 2010). These individuals have more than thirty-seven years and twelve years of experience, respectively.

2. CONCLUSIONS

Based on the results of our audit, we conclude that Hobas Pipe USA facilities are suitably equipped to produce pipe and perform testing in accordance with the subject standards.

Sincerely yours,



Matthew C. Richie, P.E.
Senior Project Manager
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