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May 9, 2024

Ben Hai Yuan
Quality & Production Engineer
JM Eagle Corporate Headquarters
5200 W Century Blvd.
Los Angeles, CA 90045

SUBJECT: APPROVAL OF JM EAGLE SOLID WALL PVC PIPE (BR800079)

Dear Mr. Yuan,

JM Eagle Solid Wall Polyvinyl Chloride (PVC) Pipe is approved for Citywide Use for gravity sanitary sewer and storm drain applications in the public right of way. Use in pressure applications is not permitted at this time. This approval will expire on May 9, 2028. At the end of this approval, recertification is required. You may apply for a four-year extension of this approval 120 days before it expires.

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| 1. ASTM D 1784-11 Cell Class Classification: | 12454 |
| 2. Approved Pipe Size Range: | 4 to 15 inches ASTM D3034
18 to 27 inches ASTM F679 |
| 3. Approved SDR / Minimum PS: | SDR 35 / PS 46 psi
SDR 26 / PS 115 psi |
| 4. Minimum Initial Tensile Strength: | 7,000 psi |
| 5. Minimum Initial Flexural Modulus: | 400,000 psi |
| 6. Minimum Long (50-Year) Flexural Modulus: | 120,000 psi |
| 7. Approved Extrusion Plant: | 10990 Hemlock Ave, Fontana, CA
92337 |
| 8. Joint Type: | Gasketed, EPDM |
| 9. Gasketed Material: | EPDM Rubber; Trelleborg 569
Rieber Sewer |

Gasket is approved for pipe size 4-inch to 27-inch. For pipe sizes larger than 27-inch, Joint Tightness Test (D3212) is required to be considered.

JM Eagle Solid Wall Polyvinyl Chloride (PVC) Pipe must be installed per the conditions stated in the Standard Specifications for Public Works Construction (SSPWC, or Greenbook) as modified by City of Los Angeles "Brown Book", latest edition. If there is a conflict, the more stringent shall govern. In addition, Deflection Limitation shall conform per Bureau of Engineering Structural Design Manual – Part H 211.41.2.

For the purpose of lot testing during a project, Section 207-17.4.2 of the Standard Specification for Public Works Construction "Greenbook" is modified. Pipe flattening (per ASTM D3034/F679), impact resistance (D2444), pipe stiffness (D2412) and extrusion quality (D5152) are required.



At least 20 working days before installation, the Contractor shall submit written "Material Certification" and "Testing Data" to the Engineer for approval.

- 1) Material Certification: Shall state that the pipe satisfies the Chemical Resistance test in 211-2 continues to be supplied pipe, and that no changes in formulation, compound, constituent, supplier, or material source has occurred.
- 2) Testing Data: Shall include test results performed and reported by a laboratory approved by the Engineer for the following:
 - a. Initial Tensile Strength and Elongation per ASTM D638;
 - b. Initial Flexural Modulus per ASTM D790; and Pipe Stiffness per ASTM D2412 at 5% deflection;
 - c. Impact Strength per ASTM D256;

The Engineer will evaluate the Testing Data and compare it to archived samples of pipe formulations that have satisfied the sewer chemical resistance test. The Engineer will accept reports by an approved laboratory performed within the previous 24 months. Otherwise, the Contractor shall engage the services of an approved laboratory, at no cost to the City, to perform the specified the specified tests and provide current Testing Data.

The plant and staff shall be made available during unannounced inspection within a reasonable time for the inspector to conduct their duties.

All associated appurtenance, fitting and specials will require their individual review and approval, and must show compatibility and consistency with the above information.

The City assumes no responsibility for any and all safety related issues in regards to the installation and use of this product. It is the responsibility of the installer to understand the appropriate use and limitations of this product and to address any and all safety concerns with the manufacturer. Further, it is the installer's responsibility to conform to all applicable industry and regulatory safety requirements.

Please be advised that you are required to report any change in the material composition of this product to the City immediately and to recertify this product prior to the expiration of this approval. Any proposed change in product composition, configuration or manufacturing location shall first be approved by this office prior to any fabrication. Changes on already awarded projects will not be allowed.

This approval may be rescinded at any time by the City of Los Angeles at its sole discretion. Please also maintain a copy of this approval for your records and distribute a copy of this approval to the Contractor or other users for use in the field. If you have any questions, please contact Chiu Tam at chiu.tam@lacity.org or Thomas Woo at Thomas.woo@lacity.org

Sincerely,



(Alan) Chiu Tam, S.E.
Senior Structural Engineer
Wastewater Conveyance Engineering Division
Bureau of Engineering

Attachment: Product Drawings

CC: Jerry S Harris - Jerry.simpson-harris@lacity.org, (Bureau of Contract Administration – Materials Control