



MULTIDRAIN® STANDARD SPECIFICATION

18" (457 mm) Steel Liner Trench Drain System with Cast Iron Grate (Standard)

System ID#: MultiDrain® Series 1800

Trench drain shall be MultiDrain® Series 1800; By MultiDrain Systems, Inc., which is located at: 1405 Industrial Drive; Statesville, NC 28625; ASD. Toll Free Tel: 800-433-1119; Tel: 704-508-1010; Fax: 704-508-1011; Email: [request info \(steve.born@multidrain.com\)](mailto:request_info@multidrain.com); Web: www.multidrain.com.

- A. Product: MultiDrain Series 1800 (18 inch nominal) as manufactured by MultiDrain Systems.
1. Construction: The system consists of metal former liners, grate Z-Frame, frame anchorage into the surrounding concrete and grates. Trench depth from 6 inches to a maximum of 15 inches (152 mm to 457 mm) deep.
 2. Trench Grate Loading: AASHTO M306-H20
 3. Trench Width (Nominal): 18 inches (457 mm)
 4. Liner (channel): Overlapping sections with adjustable slope from 0 percent to 1 percent.
 - a. Gauge: 16 ga (0.0598 inch) (1.5 mm). (Standard)
 - b. Gauge: 18 ga (0.0478 inch) (1.2 mm). (Optional)
 - c. Coating: 304 Stainless steel - mill finish. (Optional)
 - d. Coating: 316 Stainless steel - mill finish. (Optional)
 5. Grate Z-Frame: Rebar anchor stand for grade adjustment of frame.
 - a. Material: Steel – Hot Dipped Galvanize (Standard)
 - b. Material: 304 Stainless steel - mill finish. (Optional)
 - c. Material: 316 Stainless steel - mill finish. (Optional)
 6. Grate: Cast iron.

Grate: EG-2024-DI-A

- a. Material: Cast Iron
- b. Size (in.): 20" Wide x 24" Long
- c. Grate Slot Size: 1" x 8-1/8"
- d. Open Area: 37%
- e. Square Inches per Lin. Ft.: 88.9
- f. Load Rating: AASHTO M306-H20

Quality Assurance:

Submittals: A Certificate of Compliance in conformance with the provisions of these Standard Specifications shall be furnished to the Engineer. Grates shall be independently tested to AASHTO M-306.