



## MULTIDRAIN® STANDARD SPECIFICATION

18" (457 mm) Steel Liner Trench Drain System with Banded Bar Grate, Steel, Shop Black

### 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](http://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: Light Duty
  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: Steel, Shop Black.

### Grate: EG-2036-HPBG

- a. Type: Banded Bar Grate
- b. Material: Steel, Shop Black
- c. Size (in.): 20" Wide x 36" Long x 1-1/2"
- d. Grate Slot Size: 1-3/16" x 4 (O.C.) / 19-W-4
- e. Open Area: 68.8%
- f. Square Inches per Lin. Ft.: 165.20
- g. Load Rating: Light Duty

### 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.