**Product Guide Specification**

**March 1, 2024**

**SECTION 02630**

**24-INCH CATCH BASINS**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

A. 24-inch catch basins.

**1.2 RELATED SECTIONS**

A. Section 02\_\_\_\_\_\_\_ - Excavation and Backfill.

B. Section 02\_\_\_\_\_\_\_ - Drain Pipe.

**1.3 SUBMITTALS**

A. Comply with Section 01330 - Submittal Procedures.

B. Product Data: Submit manufacturer's product data, including installation instructions.

C. Shop Drawings: Submit manufacturer's shop drawings, indicating materials, components, and dimensions.

D. Warranty: Submit manufacturer's standard warranty.

**1.4 DELIVERY, STORAGE, AND HANDLING**

A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Storage: Store materials in clean, dry area in accordance with manufacturer's instructions.

C. Handling: Protect materials during handling and installation to prevent damage.

**PART 2 PRODUCTS**

**2.1 MANUFACTURER**

A. NDS, Inc., 851 North Harvard Avenue, PO Box 339, Lindsay, California 93247. Toll Free (800) 726-1994. Toll Free Fax (800) 726-1998. Phone (559) 562-9888. Fax (559) 562-4488. Website www.ndspro.com.

**2.2 24-INCH CATCH BASIN SERIES**

A. 24-Inch by 24-Inch Square Grate:

1. Part Number: [2411] [2412].

2. Description: 24-inch square, structural-foam polyolefin, grate with UV inhibitor.

3. Grate Openings: 7/8 inch.

4. Open Surface Area: 231.69 square inches.

5. Capacity: 710 gpm with ½ inch of head.

6. Load: 61 to 175 psi.

7. Color: [Black] [Green].

B. 24-Inch by 24-Inch Square Cast Iron Grate:

1. Part Number: 2413.

2. Description: 24-inch square, heavy-duty, cast iron, grate with black powder coating.

3. Grate Openings: 1 inch.

4. Open Surface Area: 197.00 square inches.

5. Capacity: 604 gpm with ½ inch of head.

6. Load: 176 to 325 psi. H-20 rated.

7. Color: Black.

C. 24-Inch by 24-Inch Square Galvanized Steel Grate:

1. Part Number: 2415.

2. Description: 24-inch square, heavy-duty, galvanized steel, bar grate.

3. Grate Openings: 1-1/4 inches.

4. Open Surface Area: 422.45 square inches.

5. Capacity: 1,294 gpm with ½ inch of head.

6. Load: 176 to 325 psi. H-20 rated.

7. Color: Galvanized steel.

D. 24-Inch by 24-Inch Catch Basin:

1. Part Number: [2400] [2404].

2. Description: 24-inch square, 1-piece, tapered catch basin.

3. Openings: [2] [4].

4. Color: Black.

E. 24-Inch by 24-Inch Catch Basin Extension, No Bottom:

1. Part Number: 2418.

2. Description: 8-inch extension for 24-inch by 24-inch catch basin.

3. Color: Black.

**PART 3 EXECUTION**

**3.1 EXAMINATION**

A. Examine areas to receive catch basins. Notify Architect if areas are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

**3.2 INSTALLATION**

A. Install catch basins in accordance with manufacturer's instructions at locations indicated on the drawings.

B. Install catch basins and grates level and to proper elevation.

C. Recess grates 1/8-inch below finish grade.

D. Asphalt or Hot Mastic Applications: Encase catch basins with 4-inch collar of concrete.

E. Light Vehicular Traffic: Install catch basins on top of compacted gravel, sand, or concrete and encase with 4-inch collar of concrete as indicated on the drawings.

F. Install and tape grates before placing concrete or backfill.

**3.3 PROTECTION**

A. Protect installed catch basins and grates from damage during construction.

**END OF SECTION**