

<u>ITEM 222.608</u>	<u>8 INCH AREA DRAIN FRAME AND GRATE</u>	<u>EACH</u>
<u>ITEM 222.612</u>	<u>12 INCH AREA DRAIN FRAME AND GRATE</u>	<u>EACH</u>
<u>ITEM 222.624</u>	<u>24 INCH AREA DRAIN FRAME AND GRATE</u>	<u>EACH</u>

GENERAL

The work under this item shall consist of furnishing and installing area drain frames and grates on green infrastructure inlets at locations specified on the Plans and as required by the Engineer.

Submittals

The Contractor shall submit shop drawings indicating all frame and grate dimensions in conformance with the details shown on the Plans for review and approval by the Engineer prior to ordering any material. The shop drawing shall show method of connection to the structure.

MATERIALS

Frames and grates for all surface drainage inlets shall be ductile iron or gray iron. Grates shall be capable of supporting H-20 loading and shall be ADA-compliant. Grates shall be bolted to the frames and shall be provided painted black.

Frames and grates shall be as specified below or approved equal.

Grate for 8-inch drain basin shall be East Jordan Iron Works (EJIW) product 00367534. Frame shall be EJIW product 00367521.

Grate for 12-inch drain basin shall be EJIW product 45720803. Frame shall be EJIW product 45620010.

Grate for 24-inch drain basin shall be EJIW product 45624802B01. Frame shall be EJIW product 45624010.

CONSTRUCTION METHODS

Install frame and grate anchored into inlet top and set on 12" wide concrete collar. Frame & grate shall be set slightly recessed compared to the surrounding finished pavement grade.

METHOD OF MEASUREMENT

8 Inch Area Drain Frame and Grate will be measured for payment per each, complete in place.

12 Inch Area Drain Frame and Grate will be measured for payment per each, complete in place.

24 Inch Area Drain Frame and Grate will be measured for payment per each, complete in place.

BASIS OF PAYMENT

8 Inch Area Drain Frame and Grate shall be paid for at the Contract unit price per each, which price shall include all labor, materials, equipment, and incidental costs required to complete the work. No separate payment will be made for concrete collars and castings, but all costs in connection therewith shall be included in the Contract unit price bid.

12 Inch Area Drain Frame and Grate shall be paid for at the Contract unit price per each, which price shall include all labor, materials, equipment, and incidental costs required to complete the work. No separate payment will be made for concrete collars and castings, but all costs in connection therewith shall be included in the Contract unit price bid.

24 Inch Area Drain Frame and Grate shall be paid for at the Contract unit price per each, which price shall include all labor, materials, equipment, and incidental costs required to complete the work. No separate payment will be made for concrete collars and castings, but all costs in connection therewith shall be included in the Contract unit price bid.