

ATTACHMENT 1-4

SHOP DRAWINGS

Where the contractor is utilizing an item or items previously approved, or sufficient data is on file with JEA whereby approval can be made, the contractor may submit the attached forms in lieu of a specific "Shop Drawing". However, a shop drawing will be required on all specialty items for both water and sewer, such as: pumps, motor, hardware, and items requiring special dimensions.

Attachment (Sample Submittal)	Date:	_____
Project Name:	CDN:	_____
Contractor:	Registered Professional:	_____

Submitted herewith, for your approval and/or recommendation is a listing of specific shop drawings for the sewer portion of the contract.

In accordance with paragraphs 20.28, 472.2, and 428.2 of the City Standard Specifications and the Land Development Procedures Manual, the following is a list of items to be utilized for this project.

Section 427

- a. Manholes - The manholes will be cast in accordance with Section 427.3 of the City Standard Details and Specifications by (Name of Company Casting).
- b. Manhole frames and covers - The manhole frames and covers will meet the requirements of Section 427.8.3 of the City Standard Specifications and are manufactured by (Name of Manufacturer).
- c. Adjusting frames - Not to be used on this job.
- d. Water Stops - The water stops will meet the requirements of Section 427.3.9 of the City Standard Specifications and are manufactured by (Name), (required for ABS or PVC pipe only).
- e. Non-Shrink Grout or Mortar - The mortar shall meet the requirements of Section 427.4.2 of the City Standard Specifications and is manufactured by (Name).
- f. Brick - The manhole bricks shall meet the requirements of Section 427.3.5 of the City Standard Specifications and are manufactured by (Name).

Section 428

- a. Pipe, fittings, and joints - The pipe, fittings, and joints will meet the requirements of paragraph 428.3.2 for PVC pipe as manufactured by (Name), or specify other material alternate, as indicated in City Standards; for D.I. pipe, specify class of pipe.
- b. PVC Adapters - Shall meet the requirements of Section 428.6 of the City Standard Specifications and are manufactured by (Name).

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Attachment (Sample Submittal)	Date: _____
Project Name: _____	CDN: _____
Contractor: _____	Registered Professional: _____

Submitted herewith, for your approval, in accordance with the Land Development and Procedures Manual and Sections 350.23, 351.9 and 20.8 of the City Standard Specifications, is the following list of items proposed for the water portion of this project:

Section 350: Pipe and Fittings

1. Pipe
 - A. Cast Iron Pipe will be manufactured in accordance with Sections 350.1.1, 350.2, 350.10.1, and 350.15.1 of the City Standard Specifications and will be Class manufactured by (Name of Manufacturer).
 - B. Ductile Iron Pipe will be manufactured in accordance with Sections 350.1.1, 350.3, 350.10.1, and 350.15.1 of the City Standard Specifications and will be Class manufactured by (Name of Manufacturer).
 - C. Polyvinyl Chloride Pipe will be manufactured in accordance with Sections 350.1.1 and 350.4 of the City Standard Specifications and will be DR/SDR_____ manufactured by (Name of Manufacturer).
 - D. Steel Casing Pipe will be manufactured in accordance with Section 350.5 of the City Standard Specifications and Plates W-14 and W-14A of the City Standard Details and will be manufactured by (Name of Manufacturer).
2. Fittings will be manufactured and installed in accordance with Sections 350.8, 350.13.6, and 350.15.1 of the City Standard Specifications and will be furnished as listed below:

ITEM	ITEM#	MANUFACTURER
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3. All Jointing Materials will be provided by the pipe and/or fittings manufacturer(s) listed in Sections 1 and 2 and materials and installation will be in accordance with Section 350.9 of the City Standard Specifications.
4. Service Piping will be manufactured in accordance with Sections 350.14 and 350.15.1 of the City Standard Specifications and will be (Type of Pipe) manufactured by (Name of Manufacturer).

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Attachment (Sample Submittal)	Date: _____
Project Name: _____	CDN: _____
Contractor: _____	Registered Professional: _____

Section 351: Valves and Appurtenances

1. Valves
 - A. Gate Valves shall be manufactured in accordance with Sections 351.1 and 351.2 of the City Standard Specifications and shall be Model No._____ manufactured by (Name of Manufacturer).
 - B. Tapping Valves shall be manufactured in accordance with Sections 351.1 and Subparagraph 351.5.3B of the City Standard Specifications and shall be Model No._____ manufactured by (Name of Manufacturer).
 - C. Curb Stops will be manufactured in accordance with Section 351.5.5 or 351.5.6 of the City Standard Specifications and shall be Model No._____ manufactured by (Name of Manufacturer).
2. Tapping Sleeves will be manufactured in accordance with Section 351.1 and Subparagraph 351.5.3A of the City Standard Specifications and will be Model No._____ manufactured by (Name of Manufacturer).
3. Service or Tapping Saddles will be manufactured in accordance with Paragraph 351.5.7 of the City Standard Specifications and will be Model No.'s_____ manufactured by (Name of Manufacturer).
4. Fire Hydrants will be manufactured in accordance with Subsection 351.6 of the City Standard Specifications and will be Model No._____ manufactured by (Name of Manufacturer) as approved by the Purchasing Division Standardization Committee.
5. Valve Boxes will be manufactured in accordance with Subsection 351.7 of the City Standard Specifications and Plates W-10A and W-10B of the City Standard Details and will be Model No._____manufactured by (Name of Manufacturer).
6. Meter Boxes will be manufactured in accordance with Plates W-8, W-9, and W-9A of the City Standard Details and will be Model No.'s_____ manufactured by (Name of Manufacturer).