

SECTION 15032 - DUPLEX STRAINERS

City of San Diego, CWP Guidelines

PART 1 - GENERAL

1.1 WORK OF THIS SECTION

- A. The WORK of this Section includes providing duplex pipe strainers as indicated.

1.2 RELATED SECTIONS

- A. The WORK of the following Sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK.
 - 1. Section 11000 Equipment General Provisions
 - 2. Divisions 2 and 15, as applicable

PART 2 - PRODUCTS

2.1 DUPLEX STRAINERS

- A. **Equipment Requirements:** The pipeline strainer for screening [raw water] [and] [plant effluent] [] shall be a duplex, basket type strainer with manual switching valves.
- B. **Construction:** The strainer shall have a cast iron body with removable cast iron or steel covers and flanged ends; removable, perforated plate stainless-steel strainer baskets; and bronze or cast iron valves with renewable seats. The strainer perforations shall be 1/8 inches in diameter. Cocks for air relief, and a valved connection for the drain shall be provided. Strainers shall be furnished with provisions for manual backflushing.
- C. **Schedule of Duplex Strainers:** The CONTRACTOR shall furnish and install the following duplex strainers:

<u>I.D No.</u>	<u>Service</u>	<u>Pipe Size (inches)</u>	<u>Max. Flow (gpm)</u>	<u>Line Pressure (psi)</u>	<u>Drain Size (inches)</u>	<u>Flange Rating (psi)</u>
[]	[]	[]	[]	[]	[]	[]

2.2 NAMEPLATES, TOOLS AND SPARE PARTS

- A. The WORK includes the following spare parts:
 - 1. 2 sets of all washers, gaskets, and O-rings
 - 2. 2 sets of all seals
 - 3. 1 set of all strainer baskets

2.3 MANUFACTURERS

A. Duplex strainers of the type indicated shall be manufactured by one of the following (or equal):

1. Hayward Strainers, Inc.
2. S. P. Kinney Engineers, Inc.
3. Tate Andale, Inc.

PART 3 - EXECUTION

3.1 INSTALLATION

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NTS: Make sure that the mechanical drawings show the floor drain and drainage piping required below.

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- A. The duplex pipe strainers shall be installed in accordance with the manufacturer's printed instructions. There shall be sufficient clearance and working space around the strainers for cleaning purposes and a floor drain or floor sink shall be installed at the strainer for cleaning and draining of the equipment.

**** END OF SECTION ****