

**SECTION 15074
BLOWOFF ASSEMBLIES**

PART 1 GENERAL

1.01 DESCRIPTION

This section includes materials, testing, and installation of blowoff assemblies.

1.02 RELATED WORK SPECIFIED ELSEWHERE

Standard Drawings W-9, W-11

Standard Specifications 02223, 03000, 09900, 15000, 15041, 15044, 15056, 15057, 15061, 15064, and 15100

1.03 SERVICE APPLICATION

- A. Blowoff assemblies shall be installed on potable and recycled water mains.
- B. Blowoff assemblies shall be sized and located as shown on the Approved Plans. In general, blowoff assemblies will be installed at the ends and at low points of pipelines as shown below:
 - 1. (2") blowoff assemblies will be required on pipelines for temporary use, when shown on the Approved Plans, or as otherwise directed by the District Engineer.
 - 2. (4") blowoff assemblies be required on pipeline sizes (16") and smaller unless otherwise stated on the project plans.
 - 3. (6") blowoff assembly will be required on pipeline sizes (18") and larger.

1.04 RECYCLED WATER IDENTIFICATION

Blowoff assemblies for recycled water shall be identified with purple-colored detectable warning tape placed 1ft above appurtenance per section 15000.

1.05 WARNING/IDENTIFICATION TAPE

Warning/Identification tape shall be installed for blowoff assemblies in accordance with Section 15000.

PART 2 MATERIALS

2.01 GENERAL

Blowoff assemblies and appurtenant components and materials shall be selected from the Approved Materials List.

2.02 CONCRETE

Concrete used for thrust or anchor blocks shall be in accordance with Section 03000.

2.03 WARNING/IDENTIFICATION TAPE

Warning/Identification tape materials shall be in accordance with Section 15000 and the Approved Materials List.

2.04 FIELD PAINTING AND COATING

Field painting and coating materials shall be in accordance with Section 09910 and the Approved Materials List.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Blowoff assemblies shall be installed at locations shown on the Approved Plans or as directed by the District Engineer in accordance with the Standard Drawings.
- B. Blowoff assemblies shall be connected to water mains no closer than (36") to a bell, coupling, joint or fitting.
- C. Locations of blowoff assembly meter boxes or valve boxes shall be in accordance with the Standard Drawings.

3.02 CONCRETE

Concrete thrust and anchor blocks shall be installed in accordance with Section 03000 and the Standard Drawings. Refer to Section 03000 for the minimum concrete curing time required.

3.03 WARNING/IDENTIFICATION TAPE

Warning/Identification tape shall be installed in accordance with Section 15000 and the Standard Drawings.

3.04 DISINFECTION OF BLOWOFF ASSEMBLIES

Blowoff assemblies shall be disinfected in accordance with Section 15041 in conjunction with disinfecting the main to which it is connected. Blowoff assembly valves shall be operated and the assembly shall be flushed to completely disinfect all internal parts.

3.05 HYDROSTATIC TESTING

Blowoff assemblies shall be hydrostatically tested in accordance with Section 15044 in conjunction with hydrostatically testing the pipeline to which it is connected.

3.06 FIELD PAINTING AND COATING

Blowoff assembly appurtenances shall be field-painted in accordance with Section 09900.

END OF SECTION 15074