

SECTION 1404

POLYVINYL CHLORIDE PIPE

1404.0100 GENERAL

1404.0101 Description of Work. The work under this section shall consist of furnishing polyvinyl chloride (PVC) pipe and all fittings required and the installation of the PVC pipe, all in accordance with the details shown on the plans and the requirements of these specifications and contained in the approved materials list (Appendix A).

1404.0104 Delivery, Storage and Handling. PVC pipe shall be delivered to the site, stored and handled in accordance with the manufacturer's instructions except as modified by the plans, special specifications, or as directed by the Engineer.

During shipment and storage, the pipe ends shall be securely covered. Pipe delivered to a project without the ends covered will be rejected and removed from the site. Cleaning of contaminated pipe is not allowed.

PVC pipe shall be stored in a manner such that it is protected from exposure to sunlight and/or extreme heat.

1404.0200 PRODUCTS

1404.0201 Materials.

(A) **Polyvinyl Chloride Pipe.** PVC pipe shall comply with the standards shown in Appendix B.

(B) **Pressure Class.** Unless otherwise specified on the plans or in the special specifications, 4"-12" PVC pipe shall be pressure class 305, dimension ratio 14 (DR 14)(cast iron O.D.). PVC pipe 16" in diameter shall be dimension ratio 18 (DR 18), pressure class 235 (cast iron O.D.).

(C) **Reclaimed Water Pipe.** PVC pipe used for reclaimed water systems shall be colored purple (Pantone 522C) and embossed or integrally stamped/marked: CAUTION -RECLAIMED WATER - DO NOT DRINK. When approved by the Engineer, PVC pipe may be identified with purple identification tape or a purple polyethylene vinyl wrap (Pantone 522C). (Seymour Safety Purple)

1404.0300 EXECUTION

1404.0301 General. PVC pipe shall be furnished with bell and spigot joints. Elastomeric gaskets shall be furnished for all joints.

1404.0302 Installation.

(A) **General.** Installation of PVC pipe shall conform with the applicable requirements of Appendix B, and Section 0209 of the Standard Specifications.

(B) **Workmanship.** All personnel of the contractor or his/her subcontractors shall be skilled and knowledgeable with regard to the installation procedures for the pipe, fittings and appurtenances being installed.

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(C) **Tapping.** Tapping shall be in accordance with Section 1407. Size on size tapping for 4" PVC pipe shall not be allowed.