

DESIGN CRITERIA

1. Related Sections: See related Division 22 Design Criteria for piping inside and outside the building.
2. The sanitary sewer utility has been privatized at a number of Installations. If this is the case, all work to the sanitary sewer system must be in strict accordance with the requirements of the private utility company. The private utility company's details and specifications should be included, in their original form, in the solicitation documents. Additional specifications and details may be added by the designer to further clarify the intent of the design, but care must be taken to ensure that the additional details do not conflict with those of the private utility provider.
3. Guide specification includes both pre-cast and cast-in-place manholes. The preferred option (which is typically available) is pre-cast manholes, because they tend to be easier to construct and less costly. In the case where pre-cast manholes are not available, the contractor has the option to install cast-in-place manholes.
4. Piping materials include PVC, SDR 26 and ductile iron pipe. The Contract Documents should clearly identify which material to use for each individual pipe. Ductile iron pipe should only be used when cover over pipe is less than 2' from finished grade to top of pipe, assuming that agencies having jurisdiction will allow pipe to be installed with only this amount of cover. Also use ductile iron when required by local agencies having jurisdiction to address sewer and watermain separation requirements.
5. If local agencies having jurisdiction have standard drawings for sanitary manholes, include them in the Contract Documents. Confirm that no conflicts exist between local standard drawings and Project Specifications.

END OF SECTION