
GENERAL

1. Contract Drawings and Specifications.

a. General Instructions.

- 1) Prepare plans on WSSC standard size drawings, contact WSSC for standards.
- 2) Each drawing shall have the professional seal, signature and registration number of the licensed engineer responsible for the design.
- 3) Include notes common to all contract drawings on the first sheet of the set and labeled as General Notes, Blocking Notes, Miss Utility Note, Dependency Note, etc., as required.
- 4) All plans, profiles and details shall be drawn to scale unless otherwise approved or directed by WSSC. Plan view scales shall be 1" = 50' except for townhouses/cluster type developments or congested areas where 1" = 30' scale shall be used. Draw profiles to horizontal scale 1" = 100' and vertical scale 1" = 10' except for large diameter mains 24-inches and larger, where the profile shall use the same horizontal scale as the plan.

b. Utility Coordination.

- 1) Closely coordinate all water and sewer pipeline design and construction with storm drains and all other utility design and construction so that there are no conflicts. Accurately show on the plans and profiles the location of both future and/or existing storm drains and all other utilities.

c. Contract Specifications and Special Provisions.

- 1) Prepare the contract specifications and/or special provisions according to WSSC standards, as required. For additional information regarding special provisions, see Part Three, Section 6 (Modifications to Specifications and Standard Details).

d. Design Data and Flow Computations.

- 1) Furnish design data and computations as indicated in this manual. The design data and computations must be clear and legible, and sealed and signed by a Professional Engineer. Submit this data along with the design, unless otherwise indicated by WSSC.

e. Estimate of Quantities.

- 1) Furnish a tabulated estimate of quantities and costs, including contingency items, if required by WSSC. The tabulated estimate must be clear and legible, and sealed and signed by a Professional Engineer. Submit this data along with the design, when required by WSSC.

2. Additional Requirements.

a. Location of Existing Utilities and Physical Features.

- 1) The Designer is responsible for obtaining locations of all existing utilities and physical features through field surveys and as-built record information. When directed by the WSSC, obtain test pits wherever exact locations of underground utilities are uncertain, and/or where locations are



critical to design. The WSSC will assist in the coordination of test pits as deemed necessary. The number, location and type of test pits needed will be dictated by specific design requirements.

b. Proposed Construction.

- 1) Research all pertinent data on all proposed construction projects which may impact the design and coordinate the same with the development of the contract drawings and specifications.

c. Design Checklist.

- 1) The Design Checklist, Appendix A, can be used as a design guide for preparing water and sewer pipeline designs according to this design manual. Items listed in the design checklist are general and may not cover all items that may be required to complete the specific project under design. The Designer is fully responsible for preparing complete contract documents. The WSSC is not responsible for design items which may be required but are not included on the Design Checklist.

d. Discrepancies.

- 1) Whenever any conflict, discrepancy or ambiguity exists within this manual or between any code, regulation or policy promulgated by any other jurisdictional agency within the WSSD, advise WSSC immediately in writing and WSSC will render expeditious interpretations and guidelines to be followed.

