



SEWER AS-BUILT CHECKLIST

AS-BUILT DRAWING REQUIREMENTS

SITE PLAN

- Plan view of the entire site at not greater than 1"=200' scale, showing the entire sewer system
- 24" x 36" or smaller sheet size
- Show tie-in to the existing system; include name of existing lines and upstream and downstream rim and invert elevations
- Show labeling of all manholes, air release valves on force mains and pump station numbers
- Show limits of wetlands, floodplains and steep slopes
- Show project phasing
- North arrow
- Spartanburg County GIS grid number where the project is located
- Names of adjacent property owners
- Location map, max scale 1"=1000', north arrow
- Index of sheets
- Title block
 - Names, mailing addresses and telephone numbers of the owner of the property, the land developer, the engineer or consultant and the applicant
 - Name of the development
 - Tax map number of the property
 - Scale
 - Date (also include revision dates)
- Legend for all symbols

PLAN AND PROFILE SHEETS

- 24" x 36" or smaller sheet size
- North arrow, scale (max. 1"=100' horizontal and 1"=10' vertical)
- Date (also include revision dates)
- Provide plan and profile of the entire system complete to tie-in to the existing system.
- SSSD prefers, but does not require, that the plan and profile be on the same sheet for the section of the line shown.

The **plan** view shall at a minimum show:

- Street names with R/W limits
- Lot lines and number
- Easements labeled and dimensioned
- Manholes and/or forcemain air release valves with stationing for specifying location
- Pipe layout
- Bearings on all lines. Flow angle or bearings shall also be provided at the tie-in of the proposed system to the existing system
- Any known conflicting utilities
- Storm drainage location
- Sewer service locations for all lots and buildings (see attached service location form for field use). Contact SSSD for an AutoCAD block to be used on the plan view.
- Stream crossings identified
- Aerial crossings identified

- ❑ Pipe anchorage locations identified
- ❑ Fittings, air release valves, thrust blocking and all other necessary information for forcemains

The **profile** view shall at a minimum show:

- ❑ Constructed grade
- ❑ Stationing to match with the plan view
- ❑ Manholes with the following information:
 - Stations
 - Types of manholes (i.e. drop manhole)
 - Rim elevations (as-built)
 - Invert elevations (as-built)
- ❑ Pipes with the following data:
 - Length
 - Diameter
 - Type of pipe
 - Slope of pipe in %
- ❑ Any know conflicting utilities
- ❑ Storm drainage crossing the sewer lines
- ❑ Stream crossings identified
- ❑ Aerial crossings identified
- ❑ Fittings, air release valves, thrust blocking and all other necessary information for forcemains

DETAIL SHEETS

Provide the following **as-built** details for pump stations:

- ❑ A vertical and horizontal cross-section of each pump station shall at a minimum include:
 - Influent line elevation and location
 - High water alarm elevation
 - Lead, lag pump-on elevations and pump-off elevation
 - Wetwell diameter, bottom, ground and top elevations
 - Location of pumps, guide brackets, chain hooks, and lifting chains
 - Location and elevation of discharge piping
 - Location and dimensions of wetwell entrance
 - Location of control panel
- ❑ An as-built site plan of the pump station site at a minimum shall include:
 - Identification of the fenced or secure locked building/enclosure
 - Identification of a weather durable sign with a 24-hour emergency telephone number
 - Location of wetwell, valve pit, and control panel
 - Generator (if specified) or generator hook-up location
 - Identification of an all-weather access road

