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
  - o Names, mailing addresses and telephone numbers of the owner of the property, the land developer, the engineer or consultant and the applicant
  - o Name of the development
  - o Tax map number of the property
  - o Scale
  - o 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:
  - o Stations
  - o Types of manholes (i.e. drop manhole)
  - o Rim elevations (as-built)
  - o Invert elevations (as-built)
- ❑ Pipes with the following data:
  - o Length
  - o Diameter
  - o Type of pipe
  - o 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:
  - o Influent line elevation and location
  - o High water alarm elevation
  - o Lead, lag pump-on elevations and pump-off elevation
  - o Wetwell diameter, bottom, ground and top elevations
  - o Location of pumps, guide brackets, chain hooks, and lifting chains
  - o Location and elevation of discharge piping
  - o Location and dimensions of wetwell entrance
  - o Location of control panel
- ❑ An as-built site plan of the pump station site at a minimum shall include:
  - o Identification of the fenced or secure locked building/enclosure
  - o Identification of a weather durable sign with a 24-hour emergency telephone number
  - o Location of wetwell, valve pit, and control panel
  - o Generator (if specified) or generator hook-up location
  - o Identification of an all-weather access road

CONSTRUCTION DETAIL NO. 18

TABLE OF SANITARY SEWER TAP LOCATIONS

LOT NUMBER	TAP STATION	DOWNSTREAM MH STA. & NO.	DISTANCE TO DOWNSTREAM MH (A)	LENGTH OF TAP (B)	DEPTH OF TAP AT END (C)	SPECIAL NOTES:

C DEPTH

B

A

M.H. STA. (DOWNSTREAM)

FLOW