



WATER AND SEWER AS-BUILT REQUIREMENTS

1. Length of pipe, size, type and class.
2. Location of water, sanitary sewer and storm drainage from edge of road or back of curb.
3. Location of tie-in to existing feature.
4. Bends sizes called out: 11-1/4, 22-1/2, 45 or 90.
5. Dimension from valve to tee, hydrant or bend (minimum of two ties to permanent structures).
6. State plane coordinates on all valves, fire hydrants, manholes, and catch basins.
 - a. Reference NAD-83 for Horizontal Control
 - b. Reference NGVD-29 for Vertical control
7. Meter size and type (domestic, fire, irrigation).
8. Hydrant manufacturer: Clow, Mueller, etc.
9. Obstruction by pass material used and length.
10. Valve marker locations, also show enlarged plan.
11. Contractor's name, address, phone, and contact person.
12. Developer name, address, and contact person.
13. Date of construction and acceptance.
14. Total cost of construction broken down water and sewer amounts.
15. SCDHEC permit number – Water and Sewer.
16. North arrow and scale.
17. Slopes of sanitary sewer runs and description of pipe.
18. Material list – Water and Sewer.
19. Manhole data chart.
20. Typical easement detail.
21. Right of way and distance.
22. Enlarged plan of valve cluster.
23. Engineer's certification, statement signature, stamp and raised seal.
24. Location map and street names.

25. Rim and invert in and out elevations.
26. Profile of force mains.
27. ACAD DWG format CD of record drawings. (Contact City CAD Technician for CAD standards)
28. One mylar of each record drawing sheet: water, sanitary sewer, and storm drainage.

Pump Station Requirements

1. Plan view of site plan
2. Plan view of pump station and valve box.
3. Pump performance curve data sheet.
4. Section thru pump station and valve box.
5. Top of pump station elevation.
6. Influent in elevation.
7. All pump float elevations.
8. Pump size, horsepower, impeller, gallons per minute, total dynamic head, type of float device.
9. State plane coordinates on wet well and site fence corners
10. Property map/plat showing Pump Station lot deeded to city.