

As-Built Instructions

Before initiating construction and as-built work, contact Ted Dyson at (202) 787-2377 to discuss the as-built requirements for your project, to acquire the appropriate forms, envelope, and cards. A certified DC Land Surveyor must complete the as-built.

Establish location and elevation or depth of sewers and water mains.

Locate water mains and sewers off building lines and/or curbs, laterally and at intersections, i.e.- tie down new construction in two directions.

Locate water mains off existing valves and sewers off adjacent sewer manholes.

Sewer locations are to centerline of pipe, not manhole cover. New sewers are measured from manhole to manhole. The manhole at the lowest elevation will be station 0+00.

Water main locations are to centerline of pipe or valve, not manhole cover. All fittings will be located and identified by size and type (e.g., 0+00, 12" Sleeve, 0+15.50, 12" x 6" Tee). Location of fittings must be established as the pipe is installed, before it is buried.

During final measurements, measure from valve to valve along centerline of pipe.

Establish location of every thrust block installed.

Establish a station on each water tap and sewer wye branch.

Fire hydrants are located off fire hydrant valve and face of curb.

Catch basins are located laterally off manhole to which they are connected, from centerline of manhole to nearest edge of catch basin.

Record fire hydrant pressure and the date and time it was taken.

Record make of each valve and date installed.

Indicate water or sewer benchmark used. Sewer benchmark should always be an elevation on an existing sewer in a manhole on the same system the new construction is connected to. Fire Hydrants are used for water benchmarks.

Elevations are shot on rim, not cover, of sewer manholes.

Fire hydrant elevations are shot on top operating nut.

For the sewer, elevations are established on manhole tops and in centerline of invert of manhole when inlet and outlet pipes are same diameter and pipe runs straight through manhole without a break in grade. When there is a grade change in the manhole, or the pipes are of different diameters, or there are lateral connections invert elevation of each pipe in the manhole is established.

For water manholes measure depth from rim to top of operating nut. Requirements for water main profiles will vary and will be addressed on a case – by - case basis. Where required, water main elevations are established at trench grade (bottom of pipe). These elevations, as well as surface elevations will be recorded every 50', except where there are vertical offsets in the main, in which case elevations will be recorded at these points as well.