



1st - Survey Base Map and Data

- Base maps & surveys prepared by professional civil engineer or land surveyor to protect the District, private property, easements, rights-of-way, and are essential for planning, designing & constructing improvements.

2nd - Design Drawings and Data

- Engineers utilize design drawings to depict and communicate design concepts to the contractor graphically (civil, landscape, architectural, structural, mechanical, electrical, traffic control, etc.).

3rd - Survey Staking for Construction

- Location of proposed facilities are marked at project site to ensure the project is built according to engineering design plans.

4th - Construction Redlines

- Changes that occur during construction are incorporated onto plans electronically and/or manually.

5th - Record Drawing and Data

- Signed and approved utility improvement hardcopy plans are furnished to District Engineer along with digital cad files to electronically render the hardcopy paper drawings.
- Digital cad files prepared and submitted with GIS formatted tables and facility attributes.

6th - GIS

- Utility and structure attribute information extracted from GIS Record Drawing submittal and converted to District GIS geodatabase.