
CEI Works with NAVFAC on Stormwater Management



CEI recently completed a stormwater system survey for NAVFAC – Washington, D.C. Required to update its Geographical Information System (GIS) to assess compliance with EO 13508 in reducing pollution loading to the Chesapeake Bay via the Anacostia River, NAVFAC procured CEI's Team to perform site surveys and data collection to map the storm sewer system at JBAB.



Joint Base Anacostia-Bolling (JBAB) is comprised of the former Naval Support Facility Anacostia, the former Bolling Air Force Base and the Bellevue Housing Area. It is a 1,018 acre military installation, located in Southeast D.C., situated between the Potomac and Anacostia Rivers and Interstate 295, in the Anacostia and Congress Heights areas. The installation is the center of Air Force and Navy ceremonial support, among other missions performed by the nearly 50 military and federal agencies on the installation.

Survey efforts were primarily focused on locating and identifying structures along with horizontal and vertical alignment of closed conduit facilities. Field investigation of the stormwater system was completed using GPS coordinates for accurate infrastructure mapping to update the installation GIS. The field survey identified key attributes such as the location of all drainage structures, pipe size, material and length. Other features catalogued included Best Management Practices (BMP) structures receiving water, flow direction, culverts, open drainage (i.e. swales, ditches, and detention ponds), catch basins, outfalls, inlets, any off-base pipes that pass through the base to the Potomac or Anacostia Rivers, and a general description of each facility condition. Overall, CEI located over 1500 inlet structures, catch basins, BMP's, oil water separators, culverts, ditches, and/or outfalls.

Additionally, CEI completed an illicit discharge survey across the Bolling and Anacostia portions of the base. The survey included a visual survey of all stormwater outfalls during dry weather conditions where physical conditions of identified discharges were documented and source identified.

CEI is civil engineering and environmental consulting firm that serves Federal, state, local and private clients across the Eastern U.S. from offices in Baltimore, Massachusetts, Connecticut and New Hampshire.

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