

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

8

21. TITLE AND LOCATION *(City and State)*

**Bridge 180 Repairs @ Naval Medical Center
Bethesda, Maryland**

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2011

CONSTRUCTION *(If applicable)*

2011

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

NAVFAC, Public Works Department-North
Potomac/FEAD

b. POINT OF CONTACT NAME

Mr. Eric Ofei
Ms. Thuy Le

c. POINT OF CONTACT TELEPHONE NUMBER

301-295-3319
301-295-3319

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This construction project was necessary to address stream scour occurring at the foundation of an existing bridge. Construction surveying was performed, utility coordination and locating, construct temporary bridge and road for MOT purposes.

The project objective was to repair the existing bridge over Stoney Creek Tributary to Rock Creek and to take action to prevent erosion/scour which could occur to the point of bridge collapse. Stream restoration was performed to re-establish scoured stream areas. Construction installed protection and performed restoration of existing streambed as well as adding measures to prevent future scouring of stream, and to provide overbank protection. The project limits affected approximately 700 LF of stream.



AB Consultants, Inc. provided professional services in the following capacities:

Surveying – AB performed survey services for the installation of the temporary bridge foundations, utility installations and relocation of utilities, stakeout for the installation of new curb and gutter, as well as new and temporary roads that were constructed for both the new bridge and the temporary bridge.

SUE – AB performed non-destruction excavations for test pits o all of the existing utilities to confirm that said utilities would not be in interference with the design for construction.

Geotechnical – AB performed all geotechnical testing services which included soil sampling and testing, compaction testing, concrete field tests and cylinder breaks, engineering services for plan alterations due to existing utilities being in conflict with the foundations on the construction plans, and asphalt testing. All laboratory testing was performed in AB Consultants' AASHTO / ASTM Certified Laboratory, located in Lanham, Maryland.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	AB Consultants, Inc.	Lanham, Maryland	Surveying, Geotechnical and SUE
b.	NMP Engineering	Hunt Valley, Maryland	Permitting
b.	AB Construction, Inc.	La Plata, Maryland	Bridge & Roadway Construction, Stream Restoration



AB Consultants, Inc. (Headquarters) 9450 Annapolis Road Lanham, Maryland 20706 Phone: 301-306-3091 Fax: 301-306-3092	AB Consultants, Inc. (Baltimore) 7020 Tudsbury Road Windsor Mill, Maryland 21244 Phone: 443-729-2650 Fax: 443-729-2711
Contacts: Mr. Amrish Patel, PE, President Mr. Kirk McClelland, PE, Senior VP Mr. Michael Morse, FE/EIT, Marketing	amrish.patel@abconsultantsinc.com kirk.mcclelland@abconsultantsinc.com michael.morse@abconsultantsinc.com

The below is a representative list of projects, which include, but may not be necessarily limited to, the geotechnical services performed by AB Consultants, Inc.:

Project Name: 13503 Fendall Court
Project Owner: Prince George's County DPW&T
Services Performed: Surveying, Geotechnical Engineering, Construction, Construction Inspection, Erosion & Sediment Control, Storm Drainage Design
Scope of Work: The project included improvements to an existing SD system and the related stream outfall under a task order contract. Services included surveying, geotechnical, design, and permitting, as well as construction and construction support services. The task was design-build.

Project Name: 3 Sites @ Aberdeen Proving Ground
Project Owner: USACE
Services Performed: Surveying / Civil Engineering / Geotechnical
Scope of Work: The project consisted of surveying, geotechnical and engineering services for 3 sites in Aberdeen, Maryland.

Project Name: Allison Street Subsurface Investigation
Project Owner: Prince George's County DPW&T
Services Performed: Geotechnical Investigations
Scope of Work: Provided Subsurface Investigation Services for the Allison Street Levee Systems, located in Prince George's County, Maryland.

Project Name: AOC Equipment Shelters at Wide Area Repeater Sites
Project Owner: Architect of the Capital
Services Performed: Geotechnical Construction Inspection and Material Testing Services.
Scope of Work: AB Consultants, Inc. provided geotechnical construction inspection and material testing services for various projects. This is an open-end material testing and field construction inspection services agreement. The agreement for field inspection and testing services include earthwork, foundation inspections, Cast-in-place concrete, masonry and grout. AB performed inspections to monitor the placement of fill and backfill operations. The inspector at the site performed in-place density tests by suitable ASTM methods, such as ASTM D6938. In addition, AB's representative at the site ensured that each lift was placed with the proper layer thickness and compacted in accordance with specification requirement prior to the placement of additional fill. AB also monitored concrete, mortar and grout placement to assure the quality of workmanship. This included sampling and field-testing of concrete for slump, temperature, air content and preparation of concrete test cylinders for laboratory testing.

Project Name: Arundel Mills Mall Casino
Project Owner: McLaren Engineering Group
Services Performed: Subsurface Drilling / Lab Testing
Scope of Work: AB provided subsurface drilling and laboratory testing services for the Arundel Mills Mall in Anne Arundel County, Maryland.



Project Name: Ashmede Drive Pond Enhancements Stakeout: Task #94
Project Owner: Howard County, c/o KCI Technologies, Inc
Services Performed: Construction Inspection, Material Testing, Surveying
Scope of Work: AB provided surveying and construction inspection services for Ashmede Drive Pond Enhancements in Howard County, Maryland.

Project Name: Bartlett Water Main Replacement (BRCR5708A14)
Project Owner: WSSC
Services Performed: Subsurface/Geotechnical Investigation, MOT, Subsurface Utility Exploration
Scope of Work: The project consisted of designing and preparing contract documents for bidding and construction of approximately 2.50 miles of small diameter 4", 8", 10", and 12" water main and 6" sewer main replacement/relocation and water house service reconnections/replacements. The project was located in Prince George's County, Maryland. AB performed soil and groundwater testing as required by the "Corrosion Survey Checklist", and results were documented in a Geotechnical and Pavement Investigation Report.

Project Name: Bill Lilly & Bonnie Brae
Project Owner: Howard County
Services Performed: Geotechnical Investigations, Soil Borings, Material Testing
Scope of Work: Performed Geotechnical Services such as stake boring, request utility designation, sample collection and result evaluation of subsurface exploration.

Project Name: Bladensburg Pumping Station
Project Owner: Prince George's County, Office of Highway Maintenance, DPW&T
Services Performed: Utility Designation, SUE, Concrete Coring, Material Testing
Scope of Work: Engineering services are needed to support the structural analysis of the Bladensburg Pumping Station in Prince George's County, Maryland.

Project Name: Bladensburg WMR
Project Owner: WSSC
Services Performed: Utility Designation/Surveying, Subsurface/Geotechnical Investigation, Maintenance of Traffic, Laboratory Material Testing and Test Pits.
Scope of Work: AB provided Surveying, Utility Designation and Geotechnical Investigations services for Bladensburg, this included utility marking/designation, test pitting, soil borings, and pavement cores.

Project Name: Bowie Mill Watermain Replacement
Project Owner: WSSC
Services Performed: Utility Designation, Test Pits, Soil Borings
Scope of Work: AB designated and located underground utilities along Bowie Mill Road, Hedgegrove Terrace, and Wachs Terrace for preparation of utility base mapping to support water main replacements; the utilities that were designated included water, gas, electric, and telephone.

Project Name: Brinkley Road Replacement
Project Owner: Prince George's County
Services Performed: Material Testing / Construction Inspection
Scope of Work: AB provided construction inspection services and material testing for Brinkley Road, located in Oxon Hill, Maryland.

Project Name: Brinkley Road Water Main Replacement & PVR Replacement
Project Owner: WSSC
Services Performed: Utility Designation/Surveying, Subsurface/Geotechnical Investigation, Maintenance of Traffic, Laboratory Material Testing and Test Pits.
Scope of Work: AB performed survey control, utility designation, geotechnical investigations, utility test holes and pavement coring for Brinkley Road Water Main Replacement and PRV Replacement.



Project Name: Calvert Cliffs Naval Research Laboratory - Phase 1

Project Owner: USACE, Baltimore District

Services Performed: Surveying, Geotechnical, Engineering

Scope of Work: A Nuclear Research Laboratory Facility sits at the top of Randle Cliff along the Chesapeake Bay, approximately 120' above water level. The cliff had serious bluff erosion due to wind and surface runoff and several R&D building foundations were in jeopardy due to slope failure. AB Consultants performed geotechnical evaluations and provided remediation design.

Project Name: Camp Springs Forest I Water Main Replacement

Project Owner: WSSC

Services Performed: Survey Control, Utility Designation, Geotechnical Investigation, Utility Test Holes, and Pavement Coring.

Scope of Work: AB Consultants, Inc. performed field surveying, subsurface utility designations and test holes, geotechnical materials sampling and testing, and geotechnical evaluations and recommendations. The geotechnical report evaluated the results of subsurface exploration and laboratory testing and including boring logs, test results, recommendations to assist in the design of pipe bedding, roadway pavement design, ground improvement techniques, soil bearing capacity, subsurface drainage and potential difficulties and precautions during construction.

Project Name: Cardinal Forest Stormwater Pond Repair

Project Owner: Howard County Department of Public Works

Services Performed: Geotechnical Investigations and Survey Services

Scope of Work: AB Consultants, Inc. recovered and used County horizontal and vertical control for the project. AB performed a topographic survey of the project limits which were estimated to be approximately 3.4 acres; which included but was not limited to the following features: ground elevations with 1-foot interval contour lines, baseline survey, wetland flagging, survey location and elevation of the SWM borings, pond embankments, emergency spillway and pond outfall channels.

Project Name: Cedar Lane 20" Transmission WMR

Project Owner: WSSC

Services Performed: Utility Designation/Surveying, Subsurface/Geotechnical Investigation, Maintenance of Traffic, Laboratory Material Testing and Test Pits.

Scope of Work: AB performed five (5) utility test holes that were approximately six (6) feet deep, and also identified and obtained top elevation of existing utility. AB also performed the necessary laboratory test and determined various soil parameters in accordance with WSSC's Pipeline Design Manual.

Project Name: Cheverly Avenue Main Replacement (BT5652A14)

Project Owner: WSSC

Services Performed: Surveying, Utility Investigations, Geotechnical Investigations, Civil

Scope of Work: The project consisted of designing and preparing contract documents for bidding and construction of approximately 5, 900 ft of small diameter 16- inch water main replacement/relocation and water house service reconnections and/or replacements. The project was located in Cheverly.

Project Name: Chevy Chase Village North Water Main Replacement

Project Owner: WSSC

Services Performed: Utility Designation/Surveying, Subsurface/Geotechnical Investigation, Maintenance of Traffic, Laboratory Material Testing and Test Pits.

Scope of Work: AB performed survey control, utility designation, geotechnical investigations, utility test holes and pavement coring for Chevy Chase Village North Water Main Replacement.



Project Name: City of Baltimore #1141- High Level Sewershed Project

Project Owner: City of Baltimore

Services Performed: Sewer Design, Surveying, Geotechnical

Scope of Work: Provided geotechnical, surveying and sewer design services for a high level sewershed collection system consisting of 23,504 feet of CIPP Lining, 5,388 feet of sewer cleaning, 255 point repairs, rehabilitating/replacement of 143 manholes, locating, raising to grade and inspection of 55 manholes and approximately 2,500 feet of 30-inch diameter tunneling.

Project Name: City of Baltimore #1162: On Call Reconstruction & Resurfacing

Project Owner: City of Baltimore, c/o Sabra Wang & Associates, Inc.

Services Performed: Geotechnical / Field Survey /Roadway Design

Scope of Work: Provided Roadway/Resurfacing Design, Field Surveying and Geotechnical Services for various projects in the City of Baltimore, Maryland.

Project Name: Darby Store: Phase 2

Project Owner: MNCPPC, Montgomery County

Services Performed: Engineering / Surveying / Geotechnical Investigations

Scope of Work: AB provided site civil engineering services the relocation and rehabilitation of Darby Store, a project established by The Cultural Resources Stewardship Section of Montgomery County Department of Parks. AB performed/prepared: surveying; geotechnical services to evaluate site for stormwater management facilities, and make design and construction recommendations; stormwater management concept and obtained approval; sediment and erosion control design, and acquired approval; site and grading plan, design of parking lot and on-site utilities, and acquired approvals; final SWM design and surface drainage plan and acquired approvals; landscaping; and obtained SHA access permit.

Project Name: District Heights I Water Main Replacement

Project Owner: WSSC

Services Performed: Utility Test Pits, Geotechnical Investigations, Utility Designation/Location, Survey, MOT, Soil Boring, Pavement Coring.

Scope of Work: AB provided engineering and subsurface investigation services, utility designation, test pitting services, soil borings and pavement cores for District Heights Water main Replacement.

Project Name: Dulles Airport Concrete Test

Project Owner: Metropolitan Washington Airports Authority

Services Performed: Geotechnical Services

Scope of Work: AB Consultants Inc., provided Geotechnical Engineering Services which included shop drawing reviews for concrete mix, concrete reinforcement, and Site services.

Project Name: Dunkirk Park & Ride; MTA 1085D; Task # 4

Project Owner: Maryland Transit Administration

Services Performed: Geotechnical / Utility Designation

Scope of Work: AB provided geotechnical and survey services for the Dunkirk Park & Ride, located in Calvert County, Maryland.

Project Name: Five Large Meter Valut Replacement (MV5518A13)

Project Owner: WSSC

Services Performed: Surveying, Utility Investigations, Geotechnical Investigations, Civil

Scope of Work: The project consisted of designing and preparing plans and specifications for bidding and construction of five (5) Meter Vaults in Prince George's County, Maryland. The work included field visits to all locations and the development of plans/details necessary for construction of the replacement.



Project Name: Five Large Meter Vault Replacement (MV5519A13)

Project Owner: WSSC

Services Performed: Surveying, Utility Investigations, Geotechnical Investigations, Civil

Scope of Work: The project consists of designing and preparing contract documents (plans and specifications) for bidding and construction of five (5) Meter Vaults in Prince George's County, Maryland.

Project Name: Five Large Meter Vault Replacement (MV5494A13)

Project Owner: WSSC

Services Performed: Surveying, Utility Investigations, Geotechnical Investigations, Civil

Scope of Work: The project consisted of designing and preparing contract documents for bidding and construction of five (5) outside Meter Vaults. It also included development of methods for replacement or relocation of these large water meters.

Project Name: Five Large Vault Replacement

Project Owner: WSSC

Services Performed: Utility Designation and Subsurface Investigation Services

Scope of Work: AB provided utility designation and subsurface investigation services for the referenced project, this included survey control, utility marking, test holes, and soil borings.

Project Name: Five Prince George's County Schools Large Meter Replacement

Project Owner: WSSC

Services Performed: Utility Designation and Subsurface Investigation Services

Scope of Work: AB provided utility designation and subsurface investigation services for the referenced project, this included: survey control, utility marking, test holes, and soil borings. Each site required two control points, 1 soil boring, 2 test pits and utility designation within a 200 foot boundary in all directions from the existing meter vault.

Project Name: Four Large Meter Replacement (MV549A13)

Project Owner: WSSC

Services Performed: Surveying, Utility Investigations, Geotechnical Investigations, Civil

Scope of Work: The project consisted of designing and preparing contract documents for bidding and construction of four (4) outside Meter Vaults in Prince George's County, Maryland. The work included field visits to all locations, the development of methods for replacement or relocation of these large water meters and vaults, and the development plans/details necessary for construction of the replacement.

Project Name: Four Large Meter Replacements

Project Owner: WSSC

Services Performed: Survey Control, Utility Designation, Geotechnical Investigations, Utility Test Holes

Scope of Work: AB provided utility designation and subsurface investigation services, which included field delineate the existing underground utilities using the Metrotech 810; obtained representative sample for each boring at depth intervals of every 2.5 feet in the upper 10 feet and at 5-ft intervals, and groundwater levels were observed during drilling and after the completion of boring.

Project Name: Four Large Meter Vault Replacements (MV5680A-D14)

Project Owner: WSSC

Services Performed: Utility Designation/Surveying, Subsurface/Geotechnical Investigation, Maintenance of Traffic, Laboratory Material Testing and Test Pits.

Scope of Work: AB provided utility designation and subsurface investigation services Four Large Meter Vault Replacements, which included Utility markings and designations, test holes, and soil borings for each site. Each site required 1 soil boring, 2 test pits and utility designation that were within a 200 foot boundary in all directions from the existing meter vault.



Project Name: Friendship Heights I & Elm Street Water Main Replacement

Project Owner: WSSC

Services Performed: Utility Designation/Surveying, Subsurface/Geotechnical Investigation, Maintenance of Traffic, Laboratory Material Testing and Test Pits.

Scope of Work: AB performed survey control, utility designation, geotechnical investigations, utility test holes and pavement coring for Friendship Heights and Elm Street Water Main Replacement.

Project Name: Gaithersburg 4 Large Meter Vault Replacement (MV5672A-D14)

Project Owner: WSSC

Services Performed: Surveying, Utility Investigations, Geotechnical Investigations, Civil

Scope of Work: The project consisted of designing and preparing contract documents for bidding and construction of approximately four (4) outside Meter Vaults. The project was located in Montgomery County, Maryland. Performed ground level surveys as required for detailed design of water/sewer main relocations, topographical surveys, surveys for connections to existing utilities; surveys were used to specifically locate and define existing conditions.

Project Name: Gaithersburg 6 Large Meter Vault Replacement (MV5671A-F14)

Project Owner: WSSC

Services Performed: Surveying, Utility Investigations, Geotechnical Investigations, Civil

Scope of Work: The project consisted of designing and preparing contract documents for bidding and construction of approximately six (6) outside Meter Vaults. The project was located in Montgomery County, Maryland.

Project Name: GPR for Sinkhole, (BR5289A11)

Project Owner: WSSC

Services Performed: Geotechnical Investigation/ GPR Services

Scope of Work: AB Consultants, Inc performed ground penetration radar (GPR) services to investigate a sunken area over an existing 96" PCCP water main at 1424 Beechgrove Lane in Potomac, Montgomery County. Though the sunken area has been filled and refilled with flowable fill, the depression continued to reoccur. AB prepared a final report of the ground penetration radar investigation.

Project Name: Hampshire Knolls Water Main Replacement (BR5703A14)

Project Owner: WSSC

Services Performed: Surveying, Utility Investigations, Geotechnical Investigations, Civil

Scope of Work: Project consisted of designing and preparing contract documents for bidding and construction of approx. 14,315 ft of small diameter (4-12 inch) water mains replacement/relocation and water house service. AB performed subsurface utility locating of all existing buried utilities on the ground surface along the proposed alignment.

Project Name: Hanger 5, Reagan Airport for U.S. Coast Guard

Project Owner: US Coast Guard, c/o AMEC Earth & Environmental, Inc.

Services Performed: Geotechnical Engineering

Scope of Work: AB provided geotechnical investigations to support the proposed two-story modular building inside Hangar 5 at Reagan National Airport in Arlington, Virginia.

Project Name: Herring Run Greenway Hiker Biker Trail Contract # 1064

Project Owner: City of Baltimore, C/O Greenman-Pedersen, Inc.

Services Performed: Geotechnical Engineering

Scope of Work: Provide engineering services for Herring Run Greenway Hiker Biker Trail, located in the City of Baltimore, Maryland.



Project Name: Horizontal Engineering for PG DPW&T; S10-029
Project Owner: Prince George's County DPW&T, C/O Wallace Montgomery & Associates
Services Performed: Geotechnical Engineering and Materials Testing
Scope of Work: Provided Geotechnical Engineering and Materials Testing for various projects in Prince George's County, Maryland.

Project Name: ICC D&E Geotechnical Services
Project Owner: MD State Highway Administration
Greenman-Pedersen, Inc. Services Performed: Construction Inspection and Material Testing
Scope of Work: Performed gradation tests and classifications on soil samples provided by client.

Project Name: Jones Falls Trail Phase V; Task # 11
Project Owner: City of Baltimore, Greenman-Pedersen, Inc
Services Performed: Surveying / Geotechnical
Scope of Work: Performed a topographic survey and collected required samples to perform necessary laboratory tests to determine various soil parameters along Cross Country Boulevard and Kelly Avenue from Pimlico Road to Greely Avenue, located in the City of Baltimore, Maryland.

Project Name: Kensington Cabin Local Park
Project Owner: MNCPP, c/o Greenman-Pedersen, Inc
Services Performed: Geotechnical Engineering / Material Testing
Scope of Work: Provided geotechnical engineering and material testing services for Kensington Cabin Local Park, located in Kensington, Maryland. Collect required samples to perform necessary laboratory tests to determine various soil parameters in accordance. Based upon the proposed project information, the laboratory test program is expected to include natural water content determination, Atterberg limits, and grain size distribution analyses.

Project Name: Large Meter Replacement for Prince George's County Schools (MV5156A11)
Project Owner: WSSC
Services Performed: Management, Condition Assessment, Utility Designation, Utility Test Holes, Water line Design, Topographic Survey, Geotechnical Investigation, Data Research, Permit Acquisition, Community Outreach, Corrosion Control, Assistance in Bid Process
Scope of Work: The project consisted of designing and preparing contract documents (plans and specifications) for bidding and construction of six (6) outside Meter Vaults for various public schools in Prince George's County, Maryland.