WEIWEI JIA, PhD, PE

REGISTRATION **P.E., State of Maryland**

Also registered in CA, DC, DE, and VA

EDUCATION **PhD, Geotechnical Engineering**
September 2006, State University of New York at Buffalo, Buffalo, NY

M. S., Hydraulic Structure Engineering
1999, Tsinghua University, Beijing, China

B. E., Hydraulic and Hydropower Construction Engineering
1994, Tsinghua University, Beijing, China

WORK EXPERIENCE **RJM Engineering, Inc., Ellicott City, MD**
Vice President May 2014 - Present

RESPONSIBILITY
Management of project budget and schedule, client coordination, preparation of project scope and cost proposal, supervising engineering team design effort, attending project meetings, development of project design concept, reviewing and approval of design documents.

RJM Engineering, Inc., Ellicott City, MD
Project Manager – Water Resources Engineering January 2006 – April 2014

RESPONSIBILITY
Conducting hydrologic/hydraulic studies, storm drain designs, erosion/sediment control design, and stormwater management designs for highways, roadways, and interchanges; preparation of design plans, details, design calculations, specifications and cost estimates; preparation of storm water management reports; preparation of stormwater pollution prevention plans; reviewing shop drawings.

Glynn Geotechnical Engineering, Lockport, NY
PROJECT ENGINEER December 2002 – January 2006

RESPONSIBILITY
Preparation of design plans, details, calculations, specifications and cost estimates. Primary tasks include: conducting hydrologic/hydraulic studies, storm drain designs, and stormwater management designs; conducting shallow and deep foundations design, retaining structures and embankments design, and slope stability analysis; preparation of geotechnical engineering reports; reviewing shop drawings.

The First Design Institute of Navigation Engineering, Ministry of Communication, Tianjin, CHINA
CIVIL ENGINEER July 1994 – August 1996

RESPONSIBILITY
Perform analysis and design. Primary tasks include: Design and analysis of various dock structures; breakwater design; deep and shallow foundation design; slope stability analysis.

WEIWEI JIA, PhD, PE

RESEARCH EXPERIENCE

Multidisciplinary Center for Earthquake Engineering Research, State University of New York at Buffalo, Buffalo, NY

Research Assistant, 1999 – 2002

Project: Electro-osmotic grouting technique for foundation improvement / liquefaction mitigation

Department of Hydraulic Engineering, Tsinghua University, Beijing, CHINA

Research Assistant, 1996 – 1999

Project: Earthquake impact on large-span underground powerhouse

MAJOR PROJECT PROFILES

- MTA Wedge Storage Yard at Union Station, Washington, D.C. - Provided utility, drainage, stormwater management, and erosion and sediment control design for a MTA mid-day train storage yard. Prepared design plans, specifications, and cost estimate.
- MTA Purple Line Light Rail Transit Project, Prince George's County and Montgomery County, MD – Concept design of drainage, stormwater management, and erosion and sediment control for proposed Purple Line light rail transit ways and train storage yard; review of P3 team design plans.
- US 29 Northbound Widening, Howard County, MD – Erosion and sediment control design for widening of US 29 northbound from MD 32 to MD 175, a three (3) mile long section of the roadway.
- MD 355 at West Old Baltimore Road Intersection Improvements, Montgomery County, MD. Provided drainage, SWM, E/SC design for the intersection improvement project located in Montgomery County.
- Chesapeake Bay TMDL Stormwater Retrofit Design, state wide
  Performed preliminary and final design service for stormwater management practices to address the requirements of the Chesapeake Bay Total Maximum Daily Load (TMDL) for nutrients and sediment.
- Vineland chemical superfund site, Vineland, NJ – Design of 1,600 ft sheet pile flood-wall with overflow weir for diversion of Black-water branch, and design of riprap protection for 1,600 ft diversion channel
- Rattlesnake river, North Tonawanda, NY – Storm water runoff analysis and management design for soil contamination remediation of a 315-acre wetland
- Shantou harbor, CHINA – Rubble mound breakwater design, 1 m c.y. of engineered fill (estimated)