



Ms. Catherine Douglass
Department of Treasury, Division of Property
Management & Construction
Contracts & Procurement Unit
33 West State Street, 9th Floor
Trenton, NJ 08608

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PROCUREMENT

**DPMC Project P1194-00
Request for Proposals for Demolition Consultant
Multi-Awards - Term Contract TC-004**

March 12, 2019

Dear Ms. Douglass,

The New Jersey Division of Property Management & Construction's (DPMC) is responsible for maintaining the quality of life for the businesses and residents of New Jersey. This includes providing demolition design and construction administration services to the New Jersey Department of Environmental Protection's Blue Acres Buy-out Program.

We have received your request for proposals (RFP) for professional services associated with the Demolition Consultant Term Contract TC-004. It is the objective of DPMC to demolish residential homes associated with the New Jersey Department of Environmental Protection, (DEP) "Blue Acres" program. To accomplish this goal the DPMC is seeking proposals from qualified consulting firms to assist in the development of appropriate Plans and Specifications and providing bidding assistance and construction oversight. By selecting Mott MacDonald, the State of New Jersey will realize the following benefits critical to this goal:

- We have an excellent familiarity with DPMC and the Blue Acres Program requirements and expectations as Mott MacDonald is currently working with the initial Term Contract TC-008 and have worked on eleven Work Orders to date.
- Mott MacDonald is currently working with DPMC on the final stages of the Demolition of the former Marlboro Psychiatric Hospital.
- Mott MacDonald is working on individual projects as the Prime Consultant as well as sub to the Prime Architect, on-call Environmental Engineering for the NJDPMC, NJDHS, and NJDOC.
- Our experience with similar demolition projects assures that our team knows how to deliver this project efficiently and expeditiously and with the expected quality. We completed a project for the Borough of Mantoloking where we oversaw the assessment and demolition of over 50 residential structures under a similar scope of work as this RFP.
- The successful track record of Kevin E. Koch, PE, LSRP, our proposed Project Director for this project, on numerous demolition projects and numerous on-call

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engineering contracts assures that our team has the leadership required to effectively manage the project.

- A record of successfully providing similar "call in" services to other public clients which require similarly structured project management approaches. These include New Jersey Transit, New Jersey Turnpike Authority, New Jersey Schools Development Authority, New Jersey Department of Transportation, Port Authority of New York and New Jersey, New Jersey Department of Transportation, and New York State Office of General Services.
- A project team comprised of technical staff with expertise in each of the tasks that were specified in the RFP.
- The depth of resources on our team, and the capacity of our company to support the project, assures that we can complete this project on time and within budget.

We understand that how critical the "Blue Acres" program through this DPMC Term Contract will be relative to milestone dates and compliance with requirements of the Federal Emergency Management Administration (FEMA) and the United States Department of Housing and Urban Development (HUD). We will work in concert with the State of New Jersey to ensure FEMA and HUD obligations are fulfilled for compliance and financial re-imbursement. We are sufficiently staffed, both with in-house personnel and our team member sub-consultants, to accomplish survey, design and demolition oversight to complete each project within the ninety (90) day timeframe.

We have developed a Project Approach and a Management Plan that will deliver a completed project in accordance with the prescribed quality, budget, and schedule. The Mott MacDonald Team will utilize a proven methodology to manage this project and deliver the standard of care to meet the identified goals of the DPMC and associated stakeholders. The Mott MacDonald Team will manage and guide appropriate activities, identify critical issues, and recommend specific solutions to maintain the overall project schedule with no avoidable adverse budget impact.

We have organized this proposal to be fully responsive to the needs of the State of New Jersey, as expressed in the RFP. We trust that you will find ample evidence of the Mott MacDonald's expertise, experience and suitability for this contract. We consider the State of New Jersey to be one of our most highly valued Clients and look forward to working with you and your fine staff on this project.

Thank you in advance for considering Mott MacDonald for this proposal.

Very truly yours,

Mott MacDonald



Kevin E. Koch, PE, LSRP
Vice President
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Kevin.Koch@mottmac.com

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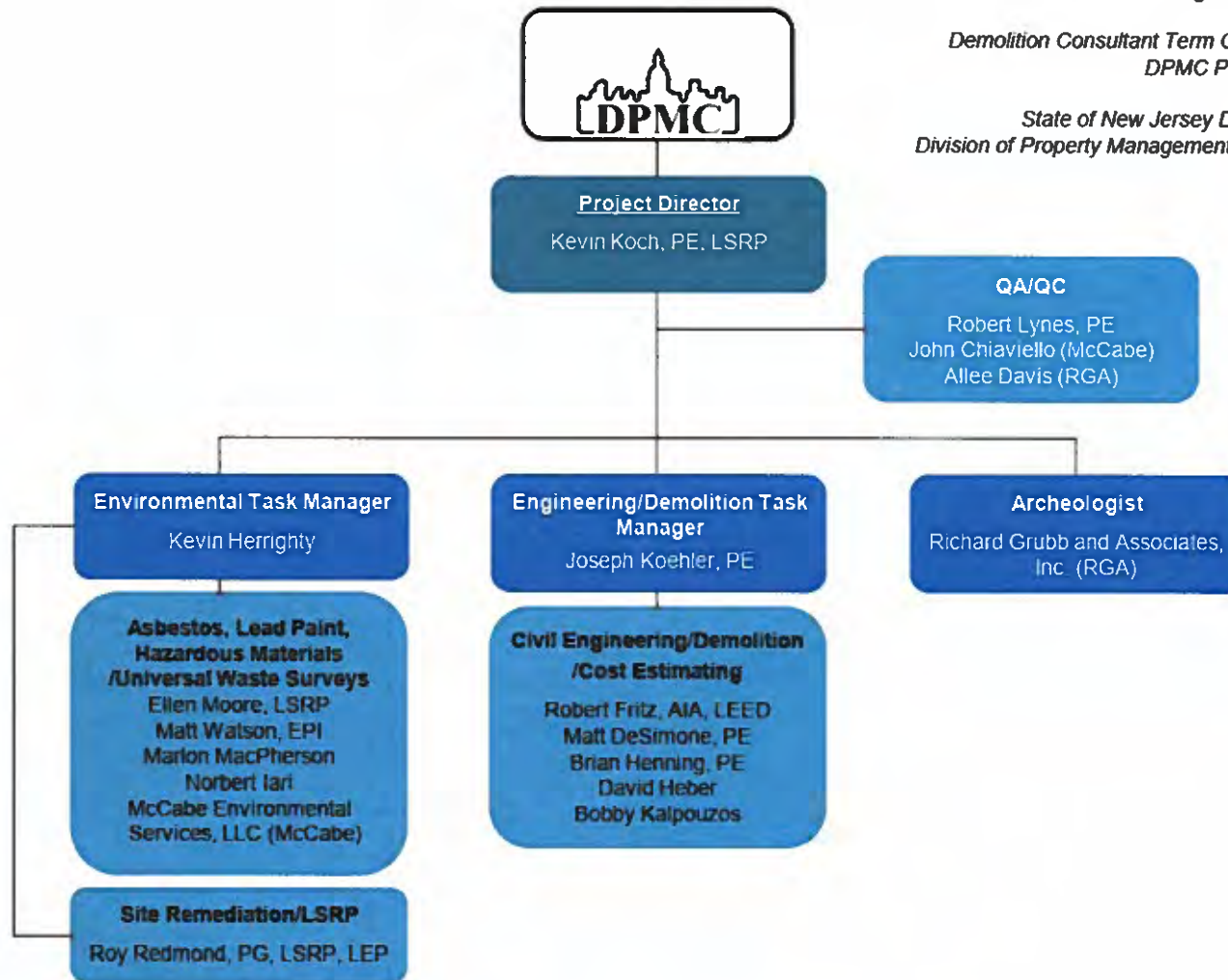
1 Organization Chart/Staffing Plan

“Project Key Personnel List”

Organizational Chart

Demolition Consultant Term Contract TC-004
DPMC Project P1194.00

State of New Jersey Dept of Treasury
Division of Property Management & Construction



PROJECT KEY PERSONNEL LIST

FIRM NAME	KEY PERSONNEL & TITLE	PERCENTAGE OF TIME ASSIGNED TO PROJECT							
		DESIGN DEVELOPMENT PHASE	FINAL DESIGN PHASE	PERMIT APPLICATION PHASE	BIDDING & AWARD PHASE	CONSTRUCTION OFFICE	CONSTRUCTION FIELD	CLOSE OUT PHASE	HOURLY WAGE LEVEL 1-7
Mott MacDonald	Kevin E. Koch, PE, LSRP - Principal In Charge	5	5	2	2	2	0	5	7
Mott MacDonald	Joseph J. Koehler, PE - Engineering Task Manager	30	30	20	20	10	10	40	6
Mott MacDonald	Kevin J. Herrighty - Environmental Task Manager: ACM/LBP/Hazardous Buildings Materials Project Manager	60	50	2	5	2	2	5	6
Mott MacDonald	Matt DeSimone, P.E. - Engineering Tasks	50	50	20	20	20	5	20	4
Mott MacDonald	Matt Watson - Environmental Specialist ACM/LBP/Hazardous Buildings Materials	50	50	0	0	0	0	0	4
Mott MacDonald	Roy J. Redmond, PG, LSRP, LEP - LSRP Project Manager	2	2	0	0	2	0	2	6
Mott MacDonald	Robert K. Fritz, AIA, LEEDs - Project Manager for Structural	2	2	0	0	0	2	0	6

PROJECT KEY PERSONNEL LIST

FIRM NAME	KEY PERSONNEL & TITLE	PERCENTAGE OF TIME ASSIGNED TO PROJECT							
		DESIGN DEVELOPMENT PHASE	FINAL DESIGN PHASE	PERMIT APPLICATION PHASE	BIDDING & AWARD PHASE	CONSTRUCTION		CLOSE OUT PHASE	HOURLY WAGE LEVEL 1-7
McCabe Environmental Services	Jarred Panecki - Environmental Specialist ACM/LBP/Hazardous Buildings Materials	25	2	2	2	1	0	1	4
Richard Grubb Associates	Paul McEachen, Principal Senior Archaeologist	1		1			1		6

INSERT THE WAGE LEVEL FROM 1 TO 7 OF EACH KEY PERSON. DO NOT INSERT ANY HOURLY RATE

2 Resumes of Project Key Personnel

Kevin E. Koch, PE, LSRP

Personal summary

Education:

MS, Civil Engineering, New Jersey Institute of Technology, 1984

BS, Civil Engineering, New Jersey Institute of Technology, 1981

Registrations:

Professional Engineer NJ #24GE03034600, 1984

Licensed Site Remediation Professional NJ #591320, 2012

NJDEP UST License - All Categories NJ #0011224, 1992

OSHA Hazardous Waste Site Operations

OSHA Confined Space Entry

Years with Mott MacDonald:
36

Years with other firms:
0

Professional memberships:

American Society of Civil Engineers

Chi Epsilon

Mr. Koch's responsibilities are in the areas of hydrogeologic and hazardous waste remedial investigations, environmental impact statements (EIS)/ environmental assessments, design and construction, industrial site evaluations, environmental site audits, and wastewater and water supply facilities evaluation, design, and construction. He supervises personnel within the firm's Environmental Management Division, managing projects related to the Industrial Site Recovery Act (ISRA), Underground Storage Tanks, Spill Compensation and Control Act, the Water Pollution Control Act, the National Environmental Policy Act (NEPA), the Resource Conservation and Recovery Act (RCRA) regulations, Brownfields regulations, New Jersey Executive Order 215, New York State/City Environmental Quality Review Act (SEQRA/CEQRA), and Phase I Environmental Site Assessments. These projects include on-site inspections/investigations, assessment of environmental impacts, development and implementation of sampling plans (soil and/or groundwater), development and implementation of site remediation plans (soil and/or groundwater), analyzing implement ability and cost effectiveness of remedial alternatives, development of closure plans, interfacing with various regulatory (local, state, and federal) agencies and obtaining various permits (air, NJPDES, etc).

Mr. Koch's project responsibilities include all project phases, from initial field studies to the preparation of plans, specifications, preliminary design, permitting, bid documents, and construction management. He is involved in the development of site-specific/project-specific scope(s) of work, and supervision and scheduling of all aspects of project activities, including subconsultant coordination and continual client contact. He has represented clients at public meetings and has provided testimony for municipal boards and regulatory agencies, as well as in private litigation matters.

Mr. Koch has also worked on a variety of projects involving wastewater collection and treatment facilities and water distribution facilities. These projects have included the design of wastewater interceptor and collector sewers and force mains, wastewater treatment plant and pump station design and upgrade, preparation of plans and specifications, resident observation, investigative analysis of excessive hydrogen sulfide in wastewater collection facilities and development of conceptual reports upon expansion of wastewater collection and treatment facilities.

In the area of water supply, Mr. Koch has been involved in the preparation of plans and specifications for water distribution facilities, review of developer's plans and specifications and preparation of required documentation for the renewal of groundwater diversion rights.

Employment history

1981 – Present Mott MacDonald

Selected projects

Demolition and Site Restoration, NJDEP Sandy Blue Acres Acquisition Program, New Jersey Department of the Treasury, Division of Property Management and Construction (NJDPMC), Various Sites, NJ: Project Director for demolition design and construction administration services under a 5-year term contract to support the NJDEP Sandy Blue Acres Acquisition Program and other statewide demolition projects. Services include preliminary site investigations, project scoping documents, preparation of designs and bid specifications, development of specifications for the proper removal and disposal of hazardous materials, compliance with all environmental statutes and regulations, project outreach participation, coordination with Federal, State and/or local officials, quality control/assurance, cost estimating, bid support, construction administration and oversight, and project closeout. (2014 – present)

Licensed Site Remediation Professional (LSRP) Services, Marlboro Camp Facility, New Jersey Department of the Treasury, Division of Property Management and Construction (NJDPMC), Monmouth County, NJ: Responsible for the evaluation of environmental concerns related to underground storage tanks (USTs) at the 60.69-acre site, which had been used as a prison camp and an operational dairy farm. The property had been vacant since at least 2009. To evaluate environmental conditions related to USTs, a review of available files from Federal, State, and local agencies occurred as well as a site reconnaissance. It was concluded that soil and groundwater impacts remain at the site and a UST that was taken out of service remains

on the property. A remedial investigation was developed to further evaluate groundwater and soil impacts. (2015 – present)

Demolition and Site Restoration, Marlboro Psychiatric Hospital, New Jersey Department of the Treasury, Division of Property Management and Construction (NJDPMC), Monmouth County, NJ Program Director for the preparation of plans and specifications for the demolition of all buildings, structures, and roads at the former psychiatric hospital. The project included a survey of the entire site to identify and quantify all buildings, tunnels, structures, roads, and paved areas to be demolished or restored. All utilities were documented, including steam, gas, electric, sanitary, stormwater, and water. All buildings/structures were surveyed by a team of architects and engineers to document the existing conditions and to identify opportunities for salvage and/or recycling. System components as well as architectural components were assessed for possible reuses. Additionally, the presence of asbestos containing materials (ACM), lead-based paint (LBP), and universal waste were evaluated.

Pre-Demolition Environmental Evaluation, Ocean County Department of Engineering, Three Residential Structures, Jackson Township and Tuckerton, New Jersey: Project Director for demolition design and construction administration services for three residential structures purchased by the County for future road improvement projects. The structures are scheduled to be demolished. Conducted oversight of the preparation of Bid Documents and Specifications. The Bid Package and Specifications are currently under review by the client. (2018 – present)

Commercial Structure Pre-Demolition Environmental Evaluation, New Jersey Department of Environmental Protection, Green Acres Program, Berkeley Township, Ocean County, NJ: Project Director for demolition design and construction administration services for a commercial structure (former seafood store and restaurant) that was scheduled to be demolished. The structures are scheduled to be demolished. Conducted oversight for preparation of Bid Documents and Specifications. (2014 – 2015)

Residential Structure Pre-Demolition Environmental Evaluation, Private Client, Lakewood, Ocean County, NJ: Project Director for demolition design and construction administration services of a residential structure that was scheduled to be demolished. Conducted oversight for preparation of Bid Documents and Specifications. (2014 – 2015)

Site Feasibility Investigation Services, New Jersey School Development Authority (NJSDA), Various Locations, NJ: Overall Project Director and responsible for QA/QC of the activities and reports prepared for various projects. Served as Project Manager for several sites. These projects included Site Feasibility and Environmental Site Closure services for primary and secondary schools. Over 30 projects have been awarded to date. Services have included site investigations, environmental screening, geotechnical investigations, wetland investigations, air quality analysis, Environmental Impact Statement (EIS) evaluation, asbestos management, asbestos abatement design and oversight, preparation of building demolition specifications, assessments of the availability of sewer service, potable water supply, location of wetlands, flood hazard areas and water bodies, presence of historic and archeological resources, soil and/or groundwater contamination, permit issues, geotechnical design, demolition services, and preparation of a conceptual design. (2004 – 2017)

On-Call Environmental Services, Essex County Department of Public Works and Buildings, Essex County, NJ: Overall Project Director and responsible for QA/QC of the activities and reports prepared for various projects under a General Engineering and Environmental Services Contract. Served as Project Manager for the County Emergency Response Assistance Project. Services have included asbestos management, underground storage tank (UST) remediation services, delineation and remediation of contaminants in soil and groundwater, completion of Preliminary Assessments (PAs) to determine the source of non-fuel related compounds, completion of Classification Exception Area (CEA) and Biennial Certifications, and inspection of UST systems.

Joseph J. Koehler, PE

Personal summary

Education:

BS, Environmental
Engineering, Tri-State
University, 1975

Registrations:

Professional Engineer NJ
#24GE03387600, 1989

OSHA Hazardous Waste Site
Operations

OSHA Hazardous Waste Site
Ops. Supervisor

OSHA Confined Space Entry

Years with Mott MacDonald:

37

Years with other firms:

6

As a member of the Environmental Management Division, Mr. Koehler has been involved in a wide variety of civil and environmental engineering projects. The majority of this experience has been in the project management and design and construction of groundwater and soil remediation systems, facility site design, demolition of large buildings, underground and above ground fuel facilities, and solid waste facilities, including transfer stations, landfills, and recycling facilities. He has also participated in the design and construction of recreational facilities, as well as sanitary/storm sewer separations, sanitary and domestic water facilities, and pump station projects, and large demolition projects. His responsibilities include all project phases, from initial field studies, to the preparation of plans, specifications, and bid documents, and construction management. Mr. Koehler's responsibilities include project management of on-site activities, site Health and Safety, QA/QC coordination of all field activities, and report preparation. He has extensive experience in managing construction, contract administration, and resolving problems in the field.

Mr. Koehler has extensive experience in the design and construction of parks and athletic facilities. His experience ranges from multi-field county parks to athletic renovations for Board of Education facilities. He is familiar with all aspects of design, stormwater management, permitting, and construction services.

Mr. Koehler's solid and hazardous waste management experience includes site investigations, remedial design, and civil engineering design. He has experience in the evaluation and design of non-hazardous sanitary landfills, and has participated in the design of landfill closures and site interim remediation projects. Mr. Koehler is knowledgeable in all Federal and State Regulations related to groundwater remediation, site planning, and solid waste and recycling facility design and construction requirements. His solid waste experience includes site selection studies, cap designs, and construction management. He has also participated in a number of solid waste transfer station and recycling facility sitings and design.

Mr. Koehler has been involved in other engineering projects, including the design of sanitary/storm sewer separations, design of water line repairs/replacements, design of road grading and roadway rehabilitation, and preparation of bid proposals.

Employment history

1981 – Present	Mott MacDonald
1975 – 1981	Beam and Miller, Inc.

Selected projects

Marlboro Hospital Demolition, New Jersey Department of Treasury Division of Property Management and Construction (DPMC), Monmouth County, NJ: Project Manager for the preparation of construction documents for the demolition of 90 structures on a 400-acre facility. The work included site plans including site survey, utility report and existing utility drawings, soils report, regulatory report, proposed utilities drawing, landscaping drawing, stormwater control, and specifications, as well as construction management and design of three miles of new sanitary and water services. (2014 – present)

Demolition and Site Restoration, NJDEP Sandy Blue Acres Acquisition Program, New Jersey Department of the Treasury, Division of Property Management and Construction (NJDPMC), Various Sites, NJ: Project Manager for the preparation of construction documents for the demolition of structures under a 5-year term contract to support the NJDEP Sandy Blue Acres Acquisition Program and other statewide demolition projects. Services include preliminary site investigations, project scoping documents, preparation of designs and bid specifications, development of specifications for the proper removal and disposal of hazardous materials, compliance with all environmental statutes and regulations, project outreach participation, coordination with Federal, State and/or local officials, quality control/assurance, cost estimating, bid support, construction administration and oversight, and project closeout. (2014 – present)

Pre-Demolition Environmental Evaluation, Ocean County Department of Engineering, Three Residential Structures, Jackson Township and Tuckerton, New Jersey: : Project Manager for demolition design and construction administration services for three residential structures purchased by the County for future road improvement projects. The structures are scheduled to be demolished. Conducted oversight of the preparation of Bid Documents and Specifications. The Bid Package and Specifications are currently under review by the client. (2018 – present)

Irvington Elementary School Demolition, New Jersey School Development Authority (NJSDA), Essex County, NJ: Project Manager for the preparation of plans and specifications and for the demolition of the school in order to construct a new elementary school at the site. The project also included a site feasibility investigation for the existing school. The site feasibility investigation included an environmental assessment, an Environmental Screening Report (ESR), and a Preliminary Assessment (PA) Report. Following the PA, an environmental Site Investigation (SI) was conducted of both properties. The scope of work also included Hazardous Building Materials (HBM) Surveys at both structures slated for demolition, as well as surveys for asbestos containing materials (ACMs), lead-based paint and lead-containing paint, and universal wastes. It also included oversight of the abatement of HBM and site demolition activities.

Commercial Structure Pre-Demolition Environmental Evaluation, New Jersey Department of Environmental Protection, Green Acres Program, Berkeley Township, Ocean County, NJ: Project Manager for demolition design and construction administration services for a commercial structure (former seafood store and restaurant) that was scheduled to be demolished. The structures are scheduled to be demolished. Conducted oversight for preparation of Bid Documents and Specifications. (2014 – 2015)

Residential Structure Pre-Demolition Environmental Evaluation, Private Client, Lakewood, Ocean County, NJ Project Manager for demolition design and construction administration services of a residential structure that was scheduled to be demolished. Conducted oversight for preparation of Bid Documents and Specifications. (2014 – 2015)

Joseph C. Caruso Elementary School Bridging Document Assistance, New Jersey School Development Authority (NJSDA), Keansburg, NJ: Project Manager for the preparation of bridging documents which included site plans including site survey, utility report and existing utility drawing, soils report, regulatory report, proposed utilities drawing, landscaping drawing, stormwater report and design, and specification review for the construction of a new elementary school at the site. The work also included assistance with the bidding phase and construction assistance.

Irvington Elementary School Bridging Document Assistance, New Jersey School Development Authority (NJSDA), Irvington, NJ: Project Manager for the preparation of bridging documents which included site plans including site survey, utility report and existing utility drawing, soils report, regulatory report, proposed utilities drawing, landscaping drawing, stormwater report and design, and specification review for the construction of a new elementary school at the site. The work also included assistance with the bidding phase and construction assistance.

Passaic Elementary School Bridging Document Assistance, New Jersey School Development Authority (NJSDA), Passaic, NJ: Project Manager for the preparation of bridging documents which included site plans including site survey, utility report and existing utility drawing, soils report, regulatory report, proposed utilities drawing, landscaping drawing, stormwater report and design, and specification review for the construction of a new elementary school at the site. Drawings were also produced for the demolition of 21 temporary classroom units and two vehicle bridges, the repair of the stream channel wall repairs, and the 30% design of a new bridge. The work will also include assistance with the bidding phase and construction assistance.

Environmental Consulting, Greystone Park Psychiatric Hospital, New Jersey Economic Development Authority, Morris Plains, NJ: Provided project management and engineering support for the preparation of specifications for the removal of asbestos and hazardous materials in several buildings involved in the redevelopment of the sites. The projects consisted of a Preliminary Assessment, Site Investigation, several phases of Remedial Investigation, Remedial Action Workplan, asbestos containing material (ACM) surveys and abatement, lead-based paint surveys, hazardous building material surveys, and microbial (mold) surveys. Prepared plans and specifications for the demolition of the buildings. (2012 – 2017)

Kevin J. Herrighty

Personal summary

Education:

BA, Biology, Montclair State College, 1977

Registrations:

Registrations:

NJDEP UST License -
Subsurface NJ #0010548,
1991

Asbestos Safety Technician
NJ #00896, 1991

Asbestos Inspector/Mgt
Planner/Project Designer NY
#96-21681, 1997

Asbestos Investigator City of
Philadelphia PA #AIC17-
000004, 2017

AMTRAK Contractor #A-US-
NJ-0416-01467, 2017

NY City Asbestos Investigator
NY #112709, 2002

Accredited AHERA Asbestos
Building Inspector #50015

Accredited AHERA Project
Designer #50171, 1995

Accredited AHERA
Management Planner #50027

Accredited AHERA Asbestos
Supervisor/Contractor #50128

Asbestos Inspector/Mgt
Planner/Project Designer PA
#056395, 2017

OSHA Hazardous Waste Site
Operations

OSHA Hazardous Waste Site
Ops. Supervisor

OSHA Confined Space Entry

OSHA Occupational Exp to
Bloodborne Pathogens

OSHA Hazard
Communications Training

OSHA Respirator Fit Tested
AL

Former NJ Lead Paint
Planner/Project Designer NJ
#001604, 1995

Years with Mott MacDonald:

38

Years with other firms:

0

Mr. Herrighty is involved in a variety of projects in the areas of hazardous waste investigations, industrial site evaluations, environmental audits, environmental site and risk assessments, remedial action planning and design, implementation of remedial actions, asbestos and lead paint surveys, and asbestos abatement. He has been involved with all aspects of environmental sampling. His sampling experience ranges from wastewater sampling for NJPDES permits to the sampling of soils, sediments, leachates, and surface water and groundwater on industrial properties and Superfund sites.

Mr. Herrighty is responsible for coordinating field operations and training personnel in regard to hazardous waste/safety awareness procedures. Projects have included investigations and sampling of soils, waters, and waste streams for various environmental site and risk assessment projects, including remedial investigations/feasibility studies on Superfund sites and Industrial Site Recovery Act/Environmental Cleanup and Responsibility Act (ISRA/ECRA), Underground Storage Tank (UST), Spill Compensation and Control Act, the Water Pollution Control Act, and Resource Conservation Recovery Act (RCRA) regulations. Mr. Herrighty's responsibilities include preparing reports for regulatory agencies, obtaining various permits (air, NJPDES, etc.), analyses of the environmental impacts at commercial/industrial properties, formulating and implementing detailed assessment plans, and preparing and implementing remedial plans. He has been responsible for preliminary site inspection and investigation, development and implementation of sampling plans, positioning and observing the installation of soil borings and monitoring wells, and obtaining samples for laboratory analysis.

Mr. Herrighty performs due diligence environmental site and risk assessment audits (including asbestos surveys) of commercial/industrial properties for insurance, financial, and development companies. These projects involve the review of past and present operations, site history, and the environmental compliance issues associated with these uses.

As an AHERA Inspector and Project Manager, Mr. Herrighty is responsible for performing asbestos identification and assessment investigations. These have been followed by designing asbestos abatement specifications according to USEPA and New Jersey Asbestos Hazard Abatement Subcode (Subchapter 8) regulations.

As a former New Jersey Lead Planner/Project Designer, Mr. Herrighty has also been responsible for performing limited lead-based paint screening surveys and the review of contractor's documents prior to and during lead paint abatement projects. These documents have included the Environmental Compliance Plan, Health and Safety Plan, personnel qualifications, and environmental monitoring analytical results.

Mr. Herrighty has been involved in field operations for various Infiltration/Inflow (I/I) studies and is familiar with every aspect of investigation and rehabilitation techniques. He has assisted in the coordination of various field investigations, including the assessment of the infrastructure of both sanitary and storm sewer systems for recommendations concerning maintenance, rehabilitation, and/or reconstruction. His duties have included monitoring the atmosphere during confined space entries and maintaining emergency exit procedures.

Mr. Herrighty is experienced in metering and flow monitoring for I/I projects as well as industrial discharge permits and CSO projects. He has been involved in field work associated with the rebuilding and maintenance of regulator chambers and pumping stations, and has been responsible for the internal inspection, chemical grouting, and major rehabilitation of sanitary and storm sewer systems.

Employment history

1979 - Present

Mott MacDonald

Selected projects

Blue Acres Program, State of New Jersey Department of the Treasury – Division of Property Management and Construction, Various Locations, NJ: Project Manager responsible for asbestos and other hazardous material surveys in residential structures that were acquired by the NJDEP Sandy Blue Acres Acquisition Program and other statewide demolition projects. Activities include site inspections of all structures, obtaining samples of asbestos and hazardous materials, preparing survey reports, and preparing specifications for asbestos and hazardous material abatement as well as cost estimating for potential contractor fees. (2015 – present)

Pre-Demolition Environmental Evaluation, Ocean County Department of Engineering, Three Residential Structures, Jackson Township and Tuckerton, New Jersey: Performed environmental inspection of three residential structures purchased by the County for future road improvement projects. The structures are scheduled to be demolished. Inspection included survey for asbestos containing materials (ACM) and hazardous buildings material/universal wastes. Provided a report on the findings of the survey. Assisted in the preparation of asbestos abatement and demolition specifications for contractor bidding. The bid Package and Specifications are currently under review by the client. (2018 – present)

Pre-Demolition and Site Restoration Inspection, Essex County Overbrook Hospital, Cedar Grove, NJ: Part of the team conducting a review of prior reports and inspections of all structures, as well as the preparation of abatement and demolition specifications for the remaining hospital facility. The project includes a survey of the entire site to identify and quantify all buildings, tunnels, structures, roads, and paved areas to be demolished or restored. All utilities were documented, including steam, gas, electric, sanitary, stormwater, and potable water. All buildings/structures were surveyed to document existing conditions and identify opportunities for salvage and/or recycling. (2013 – 2017)

Pre-Demolition Hazardous Materials Management Services, Philadelphia Regional Port Authority (PRPA) Southport Marine Terminal Complex, Former Naval Air Station, Philadelphia, PA: Conducted pre-demolition Asbestos Containing Materials (ACMs) and Hazardous Material Surveys of multiple structures prior to the scheduled demolition and redevelopment of portions of the property. Responsibilities included identification of potential ACMs, collection of ACM samples, quantification of ACM and hazardous materials, and preparation of reports and specifications for the abatement of hazardous materials. (2016 – 2017)

Commercial Structure Pre-Demolition Environmental Evaluation, New Jersey Department of Environmental Protection, Green Acres Program, Berkeley Township, Ocean County, NJ: Performed environmental inspection of a commercial structure (former seafood store and restaurant) that was scheduled to be demolished. Inspection included survey for asbestos containing materials (ACM) and other environmental universal wastes. Provided a report on the findings of the survey. Assisted in the preparation of asbestos abatement and demolition specifications for contractor bidding. Conducted random site inspections during demolition for compliance with the specifications. (2014 – 2015)

Residential Structure Pre-Demolition Environmental Evaluation, Private Client, Lakewood, Ocean County, NJ: Performed environmental inspection of a residential structure that was scheduled to be demolished. Inspection included survey for asbestos containing materials (ACMs) and other environmental universal wastes. Provided a report on the findings of the survey. Assisted in the preparation of asbestos abatement and demolition specifications for contractor bidding. Conducted random site inspections during demolition for compliance with the specifications.

Fort Wadsworth Building Demolition, United States Coast Guard, Staten Island, NY: Conducted an environmental assessment of Wings E and F of Building 215 as part of the pre-demolition evaluation of the two buildings. The environmental evaluation included inspection for asbestos containing materials (ACMs), polychlorinated biphenyls (PCBs), mercury-containing equipment, and other universal waste items. A report of the environmental findings was prepared. (2013 – 2014)

Pre-Demolition Environmental Evaluation of Residential Structures, Mantoloking Borough, Ocean County, NJ: Supervised multi-person team for the environmental inspection of over 50 residential structures damaged by SuperStorm Sandy. Inspection included survey for asbestos containing materials (ACMs) and other environmental universal wastes. Provided a report for each structure for compilation of FEMA documents required for the demolition of the structures. Assisted in the preparation of asbestos abatement and demolition specifications for contractor bidding. Conducted random site inspections during demolition for compliance with specifications. (2012 – 2014)

**Matthew J. DeSimone, PE,
LEED GA**

Personal summary

Education:

BS, Civil Engineering,
Rutgers University, 2013

Registrations:

Professional Engineer

NJ #24GE05405000, 2017

LEED® Green Associate
#10901492, 2014

Years with Mott MacDonald:

3

Years with other firms:

3

Professional memberships:

American Society of Civil
Engineers

Mr. DeSimone provides land development and civil site design support, including site layout, cost estimation, soil erosion and sediment control, detour route planning, site grading, and compliance with stormwater and ADA regulations. He has extensive experience using AutoCAD Civil 3D as a tool in the land development process.

Employment history

2015 – Present	Mott MacDonald
2012 – 2015	Pennoni Associates
2011	Fogel & Associates

Selected projects

Blue Acres Program, State of New Jersey Department of the Treasury – Division of Property Management and Construction, Various Locations, NJ: Prepared civil drawings and performance specifications for the demolition of the residential structures that were acquired by the NJDEP Sandy Blue Acres Acquisition Program and other statewide demolition projects. Responsibilities included preparing bid drawings and specifications, preparation of permit applications, coordinating construction phase requirements with owner, and cost estimation. (2018 – present)

Pre-Demolition Environmental Evaluation, Ocean County Department of Engineering, Three Residential Structures, Jackson Township and Tuckerton, New Jersey: Prepared civil drawings and performance specifications for the demolition of three residential structures purchased by the County for future road improvement projects. The structures are scheduled to be demolished. Responsibilities included preparing bid drawings and specifications, preparation of permit applications, coordinating construction phase requirements with owner, and cost estimation. (2018 – present)

New Maintenance Facility, Ocean County, Manchester Township, NJ: Resident Engineer responsible inspecting the construction of underground utilities and earthwork for a new county maintenance facility. Project includes approximately 15 acres of site clearing and the import of 20,000 cy of fill. (2017 – present)

Government Fuel Station Improvements, US Army Corps of Engineers, Various Sites, PA, WY, NE, NE, OK: Performed civil site design services of various design-build government fuel station repair projects, including spill containment basins, utility layout, site grading, and summarizing design intent for submission to the US Army Corps of Engineers (USACE).

New Jersey Carpenter Fund Training Center, Edison, NJ: Assisted with the site design associated with a new 50,000 sf training center building. Responsibilities included parking lot layout, stormwater conveyance system, soil erosion and sediment control, and site grading.

Passaic Educational Campus, New Jersey Schools Development Authority, Passaic, NJ: Developed civil bid documents as part of the design-build package for a new educational campus. Responsibilities included investigating utility availability, designing site layout, and calculating soil cut and fill quantities. (2016 – 2017)

Madison Avenue Elementary School, New Jersey Schools Development Authority, Irvington, NJ: Prepared civil drawings and performance specifications for the design-build package for the construction of a new 35,000 sf school. Responsible for the design of preliminary grading and drainage layout, preparing utility investigation and regulatory review report, site visits for coordination between utility companies for utility relocation, cut/fill excavation calculations, and preparing the engineer's cost estimate. (2016 – 2017)

Water Service Connection, Somerset County, Hillsborough, NJ: Responsible for the daily inspection of water service installation to two private homes. Construction included a horizontal directional drilling (HDD) crossing of a stream to complete the service connection. Responsibilities included daily field inspections and preparing reports, coordination between home owners, contractors, and County, and construction administration. (2015)

Building Demolition, Cape May County, Lower Township, NJ: Developed bid documents for a 14-acre demolition project which included the demolition of a 180,000-sf former manufacturing building. Responsibilities included preparing bid drawings and specifications, coordinating construction phase requirements with owner, and cost estimation. (2017)

Riverfront Park, Trust for Public Land, Newark, NJ: Responsible for calculating contaminated soil excavation quantities, grading and site drainage design, utility layout, preparing specifications and drawings for bidding/construction, and preparing engineer's cost

estimate. Additional responsibilities included obtaining Soil Erosion and Sediment Control certification and Construction 5G3 Permit from NJDEP. Responsible for shop drawing review during construction. (2015 – 2017)

Contaminated Soil Removal, Passaic Valley Sewerage Commission, Newark, NJ:

Performed construction oversight of contaminated soil removal project that removed 700 tons of impacted soil. Responsibilities included daily inspections, instructing excavators on extent of soil removal locations and depths, soil sampling, shop drawing/submittal review, and processing pay applications. (2016)

Glass Residue Composition Study, Ocean County Board of Chosen Freeholders,

Lakewood, NJ: Conducted a glass residue study to determine the efficiency of glass recycling equipment at a County recycling center. Study was used to estimate the amount of residue expected to be generated and associated disposal costs for future operation. Responsibilities included hand-sampling material, developing method to calculate composition, and report preparation. (2016)

Liberty Village Outlet Accessibility Improvements, Flemington, NJ:

Assisted with the design of ADA-compliant site improvements for this 8-acre outdoor commercial property. Improvements consisted of accessible routes, concrete ramp design, brick paver replacement, and parking lot spaces.

Building Expansion/Chiller Yard Upgrade Stormwater Pollution Inspections, Verizon

Wireless, Branchburg, NJ: Performed weekly stormwater construction site inspections as part of NJDEP Stormwater Construction General Permit requirements for construction of a 50,000 sf building expansion and chiller yard upgrade. Communicated with contractor to maintain soil erosion preventative measures.

Roadway Improvements, Nutley Township, Essex County, NJ:

Responsible for the inspection of 4,000 lf of various municipal road reconstruction and resurfacing improvements, including concrete sidewalk, retrofitting catch basins, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curbing. Responsible for construction inspection and coordination.

Underground Storage Tank (UST) Compliance, Union County, NJ:

Responsible for monitoring the compliance status of 19 county-owned and operated underground storage tanks (USTs). Responsibilities included quarterly site inspections and coordinating tank registration status.

Newark Riverfront Park Phase III, City of Newark, Essex County, NJ:

Responsible for preparing civil site development bid drawings, cost/quantity estimate, and specifications of a 4.5-acre public park redevelopment project. Project involved the installation of new water and electrical service, underground drainage, bicycle paths, and excavation of historic fill and placement of a clean soil cap for the entire project limits. Assisted with the design of grading and drainage, utility, soil erosion and sediment control drawings, and associated quantity estimation.

Matthew S. Watson, EPI

Personal summary

Education:

MBS, Urban Environmental Analysis and Management, Rutgers University, 2018

BS, Environmental Science, Rutgers University, 2012

Registrations:

Environmental Professional Intern NJ #00111215, 2015

Accredited AHERA Inspector #RWJ2691AA, 2017

OSHA Construction Safety and Health #36-005758169, 2016

OSHA Hazardous Waste Site Operations #424061, 2016

Years with Mott MacDonald:
2

Years with other firms:
4

Professional memberships:

Institute of Professional Environmental Practice

Mr. Watson has a wide variety of environmental consulting experience, which includes conducting Phase I and II Environmental Site Assessments (ESAs), Preliminary Assessments (PAs), and subsequent investigation and reporting activities for a diverse portfolio of properties, including office buildings, shopping centers, retailers, storage facilities, and apartment complexes. He has experience with environmental due diligence, asbestos inspections, site investigation, remediation, and Brownfield redevelopment projects. His field work includes soil sampling, concrete sampling, asbestos bulk sampling, personnel and perimeter air monitoring, wipe sampling, groundwater sampling, overseeing decontamination procedures, and general contractor oversight. Additionally, Mr. Watson has conducted research, data analysis, and NJDEP file reviews for numerous sites. He has developed a strong understanding of regulations and guidance including ASTM E1527, NJDEP's Technical Requirements for Site Remediation (TRSR) NJAC 7:26E, the Site Remediation Reform Act (SRRA), and various Site Remediation guidance documents.

Employment history

2016 – Present	Mott MacDonald
2015 – 2016	Peak Environmental, LLC
2013 – 2015	Property Solutions, Inc.
2012 – 2013	Whitman

Selected projects

Blue Acres Program, State of New Jersey Department of the Treasury – Division of Property Management and Construction, Various Locations, NJ: Assisted with asbestos and other hazardous material surveys in residential structures that were acquired by the NJDEP Sandy Blue Acres Acquisition Program and other statewide demolition projects. Activities include site inspections of all structures, obtaining samples of asbestos and hazardous materials, preparing survey reports, and preparing specifications for asbestos and hazardous material abatement as well as cost estimating for potential contractor fees. (2017 – present)

Soil Assessment and Materials Management, Trumbull Street Flood Control Project, City of Elizabeth, Union County, NJ: Responsible for tracking materials management as well as oversight and coordination of test pit installation and sampling activities to delineate contamination and investigate additional areas of potential contamination. Provide mark outs for test pit and modified drawing depicting locations of contaminated and uncontaminated areas for proper soil disposal. (2017 – present)

Final Linear Construction Report, Progress Street, City of Elizabeth, Union County, NJ: Responsible for the preparation of the Final Linear Construction Report (LCR), which involves reviewing drawings, prior sampling reports (prepared by another consultant), and the materials management plan. Compiled all necessary appendices, forms, and data. (2017 – present)

Amtrak Remedial Investigation PSNY: Responsible for collection of samples of various media (concrete, soil, tar, sediment and dust) throughout the station at track level. Oversight of contractors during the removal of impacted media and track replacement. Responsibilities additionally included performing air monitoring. (2016 – present)

Preliminary Assessment/Site Investigation/Remedial Action Report, Madison Avenue Elementary School, New Jersey Schools Development Authority, Irvington, NJ: Responsible for preparation of the entire project report, including all appendices, tables, and forms. Conducted all associated research and compiled final deliverable for client. (2017)

River Bank Park Preliminary Assessment, Essex County Department of Public Works, Newark, NJ: Performed Green Acres Preliminary Assessment for this recreational park. Responsibilities included conducting research, reviewing prior reports, conducting NJDEP file reviews, and preparation of the report for completion of the final deliverable. (2017)

Pre-Demolition Soil Sampling, Colgate-Palmolive, Morristown, NJ: The project involved advancing soil borings throughout this manufacturing facility to assess potential subsurface impacts. Responsibilities included coordinating with drillers, overseeing boring installations, logging borings, collecting samples, performing geophysical surveys for utility mark outs, and delineating contamination. In addition to field work, performed data tabulation, analysis, and report writing. (2016 – 2017)

Phase I Environmental Site Assessments (ESAs) Portfolio, Bank of America, Snohomish WA: Performed Phase I ESAs on six gas stations to determine the presence of any potential impacts to subsurface soils. Performed all associated report writing and research to complete final deliverable. (2014)

Waste Materials Remediation, Former Carmine Franco, NJ Transit, Hudson County, NJ: Developed bid specifications for management and removal of bulk PCB remediation waste materials. Responsibilities included review of the Self Implementing Clean Up Plan, preparation of earthwork notes, and development of a drawing sketch with excavation details for AutoCAD personnel. Created cost estimate for scope of work. Modified specifications and cost estimate as necessary and presented final deliverable to client. (2017 – 2018)

Manchester Garage Site Improvements, Ocean County, Manchester NJ: Provided project support by overseeing and documenting site construction activities to ensure contractor adherence to bid specifications. Assessed site plans and conferred with engineers when necessary. (2017 – 2018)

In-Situ Chemical Oxidation (ISCO) Injections, Tenax Finishing Products Co., Newark NJ: Provided oversight of injections of catalytic hydrogen peroxide (CHP) to remediate a plume of volatile organic compounds (VOCs) in groundwater. Responsibilities included daily gauging of wells, monitoring wells for day-lighting, monitoring ambient air with both a PID and LEL meter, and recording daily injection rates and volumes. (2016)

Post-Remediation Groundwater Monitoring, Private Developer, Perth Amboy NJ: Collected post-remediation groundwater samples at a former gas station to confirm contaminants were below standards. Coordinated the dismantling and demobilization of the associated soil vapor extraction (SVE) system. (2016)

Remedial Investigation, Former Witco Facility, Passaic Valley Sewerage Commission (PVSC), Newark NJ: Conduct soil and groundwater sampling. Coordinate and oversee well repairs and boring installations. Analyze and tabulate data and complete electronic data deliverables (EDDs) in preparation for completion of the final Remedial Action Report (RAR). Coordinate with AutoCAD personnel for modifications and updates to drawings. Established EPA Self-Implementing Cleanup Plan to address PCB-impacted soil (2018 – present)

Remedial Investigation, Former Hilton Garage, NJ Transit, Maplewood, NJ: Coordinate with contractors to conduct ground-penetrating radar (GPR) and drilling activities. Oversee soil boring and well installations. Conduct packer tests on bedrock well to determine vertical contaminant delineation. Collect soil and groundwater samples. Document all field activities, including general notes and boring and well logs. (2018 – present)

ABZ Daycare Deed Notice and Soil Remedial Action Permit (RAP) Termination, Koenig Management, Orange NJ: Implemented a Deed Notice and soil RAP termination for a former day-care center due to a change in regulations eliminating contaminant exceedances. Responsible for completion of forms, correspondence, and coordination with client, NJDEP, and Essex County. (2018)

Drum Investigation, Raritan-Millstone Water Treatment Plant, New Jersey American Water, Bridgewater, NJ: Conducted a site investigation of buried drums in proximity to the facility's flood wall. Tasks include overseeing installation of test pits, directing and coordinating with contractors, sample collection, and maintaining field notes and photo documentation. (2017)

Colgate Park Remedial Action Report and Permit Application, City of Orange Township, Essex County, NJ: Finalized and compiled Remedial Action Report and Remedial Action Permit Application (soil). Submitted remedial phase document online. (2017)

Brownfield Redevelopment of Former Linoleum Manufacturing Facility to Commercial Plaza, DVL-Kearny Holdings, Kearny, NJ: Provided extensive contractor oversight during demolition, remediation, and decontamination activities. Coordinated an air monitoring program, which included monitoring perimeter particulate matter and personnel PCB and PAH exposure. Conducted pre-demolition in-situ concrete sampling for waste characterization analysis. Prepared remedial reports and forms for numerous Areas of Concern (AOCs). Managed and organized data for analysis and report preparation. (2015 – 2016)

**Roy J. Redmond, PG,
LSRP, LEP**

Personal summary

Education:

MS, Geology, Lehigh
University, 1982

BA, Geology, Rutgers
University, 1979

Registrations:

Licensed Site Remediation
Professional NJ #573637,
2012

Professional Geologist:

PA #PG000470G, 1994
NC #1429, 1995

Professional Geoscientist LA
#111, 2014

Licensed Environmental
Professional CT #480, 2007

OSHA Hazardous Waste Site
Operations, 1984

OSHA Hazardous Waste Site
Ops. Supervisor, 1997

OSHA Hazard
Communications Training

Years with Mott MacDonald:
28

Years with other firms:
8

Professional memberships:
American Geophysical Union

Association of Groundwater
Scientists and Engineer

As a Principal Geologist, Mr. Redmond's major responsibility is for site remediation cases, where he directs remedial investigations and the design of remedial systems for soil and groundwater contamination. The investigations include determining the source of the contamination, delineating the extent of the contamination based on the nature of the contaminants and the site geology, and determining contaminant transport and impact on potential receptors. He has prepared remedial design concepts and coordinated with engineering staff for the final remedial design package. He oversees the permitting and implementation of the remedial systems and monitors remedial system performance and efficacy.

Employment history

2007 - Present	Mott MacDonald
2005 - 2007	Dewberry-Goodkind, Inc.
2003 - 2005	Parsons Comm. Tech.
1986 - 2003	Mott MacDonald
1985 - 1986	Woodward-Clyde (URS)
1984 - 1985	NUS Corporation
1982 - 1983	Chevron USA

Selected projects

Due Diligence Technical Review and Licensed Site Remediation Professional (LSRP) Services, Silver Tree Commercial Real Estate, Newark, NJ: Provided a review of environmental conditions at a former manufacturing facility for the potential buyer, who owned the adjacent parcel. The site had PCB contamination from one former operator, and chlorinated volatile organic compounds (CVOs) contamination from a different operator. The owner and two separate responsible parties employed different environmental consultants. The soil remediation was almost complete, but groundwater remediation was needed. Provided projected future remediation cost estimates to the buyer for assessing the purchase price. Upon purchase of the property and assuming the environmental responsibility, the client authorized the continuation of ISRA environmental work. Approved the Remedial Action Report (RAR) and prepared and recorded a Deed Notice. A Response Action Outcome (RAO) will be issued for soils only. Groundwater monitoring provided sufficient data to propose monitored natural attenuation. The project is currently in the reporting and permitting phase. (2015 – present)

Environmental Impact Analysis/Hazardous Materials (HAZMAT) Screening, Garden State Parkway Interchange 125 Improvements, NJ Turnpike Authority, Middlesex County, NJ: Project Manager for a Hazardous Waste Screening Study (HWSS) and environmental impact analysis of project alternatives associated with proposed improvements to the Interchange. The HWSS was specifically designed to identify recognized or potential environmental conditions of the subject property and immediate vicinity (within 250 feet), including known soil and groundwater contaminants, which may/may not have an impact on construction activities. The study included the concurrent review and evaluation of six project alternates. All information was presented in a HAZMAT Screening Report as well as incorporated in a comprehensive Environmental Screening/Constraints Analysis. Additional project tasks for the selected alternative include the performance of an expanded Preliminary Assessment/Site Investigation Report, assistance with soil re-use planning, and, assistance in bid specification preparation. In 2015, it was determined that the project would be conducted under the NJDEP's linear construction project program and handled by a Licensed Site Remediation Professional. (2011 – 2016)

Licensed Site Remediation Professional (LSRP) Services, Hartley Dodge Memorial Building, Madison Borough, Morris County, NJ: Assumed LSRP responsibilities and completed the remedial investigation with alternative groundwater sampling methodologies for horizontal and vertical delineation. Interpreted contaminant migration in a glacial till geologic setting and implemented soil remediation with a 30-foot deep excavation next to a historic structure. Currently conducting groundwater compliance monitoring to provide evidence for natural attenuation. (2016 – present)

Licensed Site Remediation Professional (LSRP) Services, Madison Recreation Center, Madison Borough, Morris County, NJ: Assumed LSRP responsibilities for a large area of the recreation complex that was contaminated by historic pesticide usage and put under institutional and engineering controls. Prepared the biennial certification. Responsibilities will include preparation of a new Deed Notice once a portion of the restricted areas is redeveloped with trails. (2014 – present)

Licensed Site Remediation Professional (LSRP) Services, Newark Riverfront Park, Trust for Public Land, Newark, NJ: Serving as the Licensed Site Remediation Professional (LSRP) for the redevelopment of the 8-acre Brownfield site into a passive park and pathway system with a variety of public spaces, including performance spaces, art display areas, sitting areas, and boardwalks providing direct access to the waterfront. The project involved due diligence, site and remedial investigations, and planning and implementation of remedial actions. Over \$2.6 million in Brownfield grant funding was obtained to facilitate remediation of the site. Due diligence identified areas of concern (AOCs). Petroleum product was discovered in an excavation, requiring removal. Oversaw the remediation of the free product, assessed petroleum impact on groundwater, and approved the capping plans. The park has expanded to the west and east of the original eight acres. Deed Notices have been recorded for institutional control of soil contamination, and a Classification Exception Area (CEA) as an institutional control has been implemented for groundwater. Final Remedial Action Reports (RARs) for the different phases of work are being prepared. (2012 – present)

Licensed Site Remediation Professional (LSRP) Services, Ironbound Early Learning Center, Ironbound Community Corporation, Newark, NJ: Assisted with the purchase of a former autobody shop next to the Early Learning Center so that the daycare facility could be expanded to meet community needs. The remedial investigation was completed and contaminated soil was removed. Designed a sub-slab soil venting system to proactively address any concerns that the NJDEP may have had with vapor intrusion. Issued a soils-only Response Action Outcome (RAO) so that the new facility could open on time. Addressing residual groundwater contamination with institutional controls. In the process of applying for a HDSRF grant to fund the remedial investigation and action. (2011 – present)

Licensed Site Remediation Professional (LSRP) Services, Ship Bottom Garage, Ocean County, NJ: Managed a remedial investigation of soil and groundwater contamination as a result of discharges from former underground storage tanks (USTs). Addressed light non-aqueous phase liquid removal through in-situ remediation (chemical oxidation and surfactant-enhanced product removal). Assessed vapor intrusion issues via building ventilation. Implemented institutional controls, and issued a Response Action Outcome (RAO). (2007 – present)

Licensed Site Remediation Professional (LSRP) Services, Washington Township Garage, NJ Transit, Turnersville, NJ: Serving as the LSRP for the largest diesel fuel discharge to surface waters in the State from diesel tanks, a discharge at the dispenser islands, and a discharge at the waste oil sump. Provided oversight of the emergency response and cleanup efforts, ecological evaluation and human health concerns for potable wells and fish consumption along three miles of impacted surface water, issues that were never meant to be part of the LSRP program. Completed the remedial investigation at four separate areas of concern (AOCs) on the property, and completed the site investigation for the removal of all underground storage tanks (USTs) as part of the facility upgrade. The required reports and forms have been submitted in accordance with the LSRP program. (2011 – present)

Licensed Site Remediation Professional (LSRP) Services, County Garage, Ocean County, Jackson, NJ: Remediation began when discharges were observed during the removal of underground storage tanks (USTs) at this maintenance garage facility located within the NJ Pinelands. The remedial investigation was completed, and remedial actions consisted of air sparging and soil vapor extraction (SVE). The soil has been remediated to the soil remediation standards, and the groundwater quality has been remediated to the point where natural attenuation has been implemented along with an institutional control (Classification Exception Area). A Remedial Action Permit for groundwater and a Remedial Action Outcome (RAO) for limited restricted use have been issued. (2012 – present)

**Robert K. Fritz, AIA, RRC,
RWC, LEED AP BD+C**

Personal summary

Education:

B of Architecture, New Jersey
Institute of Technology, 1988

Registrations:

Registered Architect

NJ, 11686, 1991
NY, 24987-1, 1995
CA, 28658, 2001
PA, 404582, 2008
AL, 7103, 2012
FL, AR97794, 2015
MD, 19210, 2017

National Council of
Architectural Registration
Boards (NCARB Certified)

Leadership in Energy and
Environmental Design (LEED)
Accredited Professional
Building Design +
Construction, 2009

Registered Waterproofing
Consultant (RWC): 0020,
2006

Registered Roof Consultant
(RRC): 0613, 2008

Certified Solar Roofing
Professional (CSRPF), Roof
Integrated Solar Energy:
2013

Professional memberships:

American Institute of
Architects

RCI, Institute of Roofing,
Waterproofing & Building
Envelope Consultants

International Code Council

Mr. Fritz is a Senior Vice President and Principal Project Manager and oversees a wide-range of multi-disciplined design projects including transportation facilities, military facilities, municipal facilities, educational facilities, and residential buildings. He has years of comprehensive experience in all aspects of buildings and facilities project design. He is responsible for project design and administration, feasibility studies, consultant coordination and construction documents preparation. Mr. Fritz has a focused interest in maintenance master planning, including roofing/waterproofing and building envelope and window diagnostic investigations, analysis reports and repair or replacement phasing and implementation design packages. He also has extensive experience with building codes and life safety code compliance analysis.

Mr. Fritz has broad experience in historic rehabilitation and renovation projects in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties and the Preservation Briefs as published by the National Park Service. He has prepared submission packages for various State Historic Preservation Officers (SHPO) and Landmarks Preservation Commissions (LPC) for numerous projects.

He possesses extensive federal project experience with such entities as the U.S. Coast Guard, the U.S. Department of Labor, the General Services Administration, the Department of Veterans Affairs, and all branches of the United States Military.

In addition, Mr. Fritz has served as Program Director/Project Director/Manager/Architect on numerous Term Contracts for various State and Local agencies involving new construction, renovation, alteration, or rehabilitation projects.

Employment History

1996 - Present	Mott MacDonald
1988-1996	Helpern Architects
1986-1988	Weiss & Reed Architects

Selected projects

Demolition of Building 566, US Navy, Naval Weapons Station Earle, Colts Neck, NJ:

Project Manager for preparation of construction documents for the demolition of an entire building and the restoration of its site. Building 566 was a one-story building with a flat rubber membrane roof, encompassing approximately 20,983 SF of floor space and was used for the storage of ammunition at the Naval Base. Services included site investigations, design, cost estimating, construction administration services; multi-discipline services including architectural, civil, and environmental.

Demolition of Ten Buildings, US Navy, Naval Weapons Station Earle, Colts Neck, NJ:

Project Architect for the complete field investigations and preparation of construction drawings and specifications to demolish a total of nine complete buildings and a portion of a tenth building at the Naval Weapons Station Earle (NWSE) primarily due to the amount of asbestos containing materials discovered in these buildings. Services included site investigations, design, cost estimating, construction administration services; multi-discipline services including architectural, civil, and environmental.

Hangar 38 Resiliency Repairs – Partial Deconstruction (Design-Build), National Park

Service, Miller Field Gateway National Recreation Area, Staten Island, NY: Project Director for providing design services for the repairs/modifications to an historic seaplane hangar. Miller Field was established prior to World War I as part of a system of aerial coast defences for New York City. An early aviation building, Seaplane Hangar 38 was constructed at Miller Field in 1920 for the U.S. Army and is the sole survivor of a hangar group and base comprising approximately 40 buildings. Hangar 38 remains significant as one of the last extant examples of its type remaining on the eastern seaboard. The project included the removal of all additions and all original and subsequent enclosure elements, fixtures, finishes and appurtenances, leaving only the original structural steel framing and corrugated steel roof decking in place, followed by structural repairs, lateral reinforcement, surface preparation and application of a high-performance coating throughout, in order to create a stabilized steel "skeleton" with retained roof decking.

Sandy Hook Resiliency Repairs (Design-Build), National Park Service, Fort Hancock Gateway National Recreation Area, Sandy Hook, NJ: Project Director for providing design

services for the repairs/modifications of the impacted buildings and appurtenant building systems to support a park-wide hazard mitigation effort. Flood-resiliency efforts include relocating critical building systems above the FEMA advisory base flood elevation. An important part of the project includes submission and approval of all design work with the New Jersey State Historic Preservation office (SHPO).

Demolition and Site Restoration of the Former Marlboro Psychiatric Hospital, NJ Division of Property Management & Construction, Marlboro, Monmouth County, NJ:

Project Architect for the demolition of several buildings, structures and roads of the former Marlboro Psychiatric Hospital. The inactive facility, comprised of 66 buildings and 25 miscellaneous structures, totals over one million gross SF. The project will include restoration of the site for future use as open space. Provided an assessment of each building's architectural components for possible reuse prior to demolition.

Facilities Condition Assessment, New Jersey Institute of Technology (NJIT), Newark, NJ:

Project Principal for a campus-wide facility condition assessment and analysis of its facilities, grounds and miscellaneous structures at the university including developing an asset inventory, identification of current facility condition deficiencies, recommending corrections for all deficiencies, providing cost estimates for corrections, and forecasting future capital renewal cost. **Facility Condition Assessment for the Fire Training Facility; Sussex County Community College, Sussex County, NJ:** Comprehensive investigation of the building culminating in a technical report identifying deficiencies and suggested remediation with associated costs for construction to repair the deficiencies. Preparation of construction documents for repairs. (

On-Call Consultant Contract, Various Facilities, Rutgers University State of New Jersey, New Brunswick, NJ: Project Principal/Roofing Consultant responsible for providing conditions assessments, design and construction administration services for various roof replacement projects at Rutgers University campuses throughout the State of New Jersey.

Rutgers University College Avenue Gym (Historic Structure) Roof Replacement, Rutgers University State of New Jersey, New Brunswick, NJ: Project Director/Roofing Consultant for the design replacement of all the roofs on the main building and the steep slate roofing system on the addition. The project included the removal and replacement of all of the old wood yankee gutters, cornices and dentil work with fiberglass reinforced plastic (FRP) replicas. Construction administration services were also performed.

Building 312 – Bay 3 Renovation (Design-Build), US Navy, Naval Support Activity, Mechanicsburg, PA: Project Principal in charge of the full conversion of a 20,000 SF abandoned administrative space in the south-center fire bay of Building 312 into a fully modern office facility with a photo/video studio suite. The project included completely redesigning and installing new HVAC systems, electrical systems, sprinkler systems, fire alarm systems, constructing new offices, conference / VTC rooms, an IT room, kitchenette, converting a vending room into a nursing mother's room and constructing a fully functioning photo / video studio.

Repair Bachelors Enlisted Quarters & Construct Laundry Room, Building 2003 (Design-Build), US Navy, Marine Corps Base Quantico, Quantico, VA: Project Principal in charge of the full modernization of a 3-story 69,000 SF Bachelor Enlisted Quarters (Barracks) to improve functionality, appearance and life safety. Work involved performing a site analysis, code review, design, cost estimating, and construction phase services for the modernization including providing new ceiling, floor and wall finishes, installation of interior room and fire doors, installation of new fire detection and suppression systems, electrical upgrades, HVAC modernization, new laundry room with plumbing and ventilation systems, and replacement of exterior stairs and porch and sidewalk replacements.

TFI-cNAF Beddown AFFOR with SCIF Requirements, Pennsylvania Air National Guard, Horsham Air Guard Station, Horsham, PA: Project Manager to design the complete renovation of Buildings 345 and 346 (41,800 SF) for the Component Numbered Air Force (cNAF) Warfighting Headquarters Mission including Air Force Forces (AFFOR) with Specialized Compartmental Information Facility (SCIF) requirements for the Guard's 201st Red Horse Squadron. Functional spaces include administration, communications shop and storage, classrooms and training rooms, secure operations floor space, and SCIF areas.

Jarred F. Panecki • McCabe Environmental Services, L.L.C.

PROFESSIONAL HISTORY

9/2013-Present **McCabe Environmental Services, L.L.C.**
Project Manager

Mr. Panecki is responsible for **managing** environmental inspections related to asbestos, lead, mold, and indoor air quality. He is also responsible for the mold abatement and remediation activities of the firm that include but are not limited to estimating, demolition, testing, and clearance sampling. He is responsible for ensuring that all services provided are in compliance with all applicable, state and federal, rules and regulations.

EXPERIENCE

Mr. Panecki has nearly 6 years of experience in the field of environmental consulting, testing and inspection, with prior experience in the building and construction industry. In addition, he has acquired an extensive amount of experience in the field of asbestos, lead, mold, and indoor air quality testing and inspection, utilizing real time instrumentation. His project experience includes:

- Asbestos Inspections, Monitoring and Contractor Surveillance
- Lead-Based Paint Inspections and Assessments/Clearance Sampling
- Lead Air Monitoring/Sampling
- OSHA and Environmental Training
- Microbiological Investigations/Remediation (Mold/Bacteria)
- Indoor Air Quality Investigations
- Potable Water Testing

PROFESSIONAL EXPERIENCE

New Jersey Transit: McCabe Environmental Services, L.L.C. was retained by New Jersey Transit to conduct **air monitoring** at the Arrow III Rail Car asbestos abatement project. This asbestos abatement project involved the removal of sound deadening material located through the interior of the car shell of Arrow III Rail Cars. McCabe Environmental provided an on-site **asbestos air monitoring** during the entirety of the asbestos abatement project. Mr. Panecki was one of the **air sampling technicians** apart of this project. The responsibilities of the air monitoring technician included collecting air samples during the asbestos abatement and monitoring contractor work practices. When the abatement was finished Mr. Panecki would visually inspect and clear the abatement site, photograph site, and run a final clearance PCM air sample to make sure the air was safe to reoccupy.

New Jersey Transit Dover Yard: McCabe Environmental Services was hired by New Jersey Transit to conduct **mold remediation** services in the Break Room located at the Dover Yard. During the mold remediation Mr. Panecki acted as a **mold remediation worker**. His responsibilities for this mold remediation project were the construction of the work space containment and the demolition of the drywall, insulation, cabinets and other materials in the work space, Mr. Panecki and others then disinfected and decontaminated all exposed surfaces via hand tools and HEPA equipped vacuums. Once all surfaces were cleaned, Mr. Panecki helped encapsulated the studs and the exterior walls in order to prevent further spreading of the mold.

J. Panecki-McCabe Environmental Services
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Finally, the decontamination of the entire work area took place utilizing commercial disinfectants, wet wiping methods and HEPA equipped vacuums. Once this was achieved the deconstruction of the work space containment took place. All work being completed in the Dover Yard Break Room met the high standards that McCabe Environmental sets for its clients.

New Jersey Transit-Train Crash, Hoboken New Jersey McCabe Environmental was retained by New Jersey Transit to provide emergency response environmental services for the train crash at the Hoboken Train Station. McCabe provided emergency sample collection and conducted around the clock (24 hour) air monitoring and asbestos analysis during the abatement of asbestos and LBP. Mr. Panecki was part of the McCabe team and was responsible for sample collection and working closely with NJ Transit Environmental and Safety Departments.

Shaw E&I: Between 2013-2016 McCabe Environmental conducted asbestos and lead inspections statewide for hundreds of homes affected by Super Storm Sandy. Mr. Panecki is one of the McCabe employees responsible for the asbestos inspection portion of this project. One of his responsibilities is to create a field sketch that identifies dimensions, rooms, and sample locations. This creates an overall blueprint of the house and is used to calculate the quantities of asbestos-containing building materials. Identifying, presuming, and sampling of suspect asbestos-containing materials are other responsibilities Mr. Panecki has had being an asbestos inspector for this project. He was responsible for ensuring compliance with all applicable rules and regulations, including federal, state and local regulations governing asbestos.

Celgene Corporation: McCabe Environmental conducted a campus-wide asbestos inspection of various buildings associated with the Celgene Corporation Complex located in Summit, New Jersey. The inspection started in December 2014 and ended in February 2015. Mr. Panecki acted as an asbestos inspector and was a part of a multi-member team. Each team performed a room by room asbestos inspection of different buildings. The team's responsibilities were to identify and sample suspect asbestos-containing building materials, quantify each material present, and indicate where the materials were located on a CAD drawing. Mr. Panecki worked well with his team to successfully complete this project in an expeditious manner.

Tectonic Engineering and Surveying Consultants P.C.: Between 2016-2017 McCabe Environmental conducted lead inspections / risk assessments for homes located in the Jersey City area. Mr. Panecki was the McCabe employee who was responsible for the field work and report writing portions of this project. One responsibility of his was using state-of-the-art instrumentation, the Niton XRF in the field to collect sample data. He also conducted dust wipe and soil sampling at each one of the residences to prove or deny the presence of lead dust / soil hazards. Mr. Panecki would then create a field sketch that identifies dimensions, rooms, and sample locations. This creates an overall blueprint of the house and used to calculate the quantities of asbestos and lead-containing building materials. Once all laboratory results and XRF data were uploaded, Mr. Panecki would review the data and create a comprehensive report for each property address. He was responsible for ensuring compliance with all applicable rules and regulations, including federal, state and local regulations governing lead-based paint.

YEARS OF EXPERIENCE:

With this firm:

1998-Present

With other firms: 3

EDUCATION:

MA 1996

Memorial University
Anthropology

BA 1993

University of Windsor
Anthropology and Classics

PROFESSIONAL TRAINING:

Section 106 Workshop,
Albany, NY,

November 2008

Section 106: Principles and
Practice, Philadelphia, PA,
July 2014

Advanced National Register
Workshop, Ewing, NJ, June
2012

**PROFESSIONAL
REGISTRATION:**

Register of Professional
Archaeologists

PROFESSIONAL SOCIETIES:

Archaeological Society of
New Jersey

Society for American
Archaeology

Eastern States
Archaeological Federation

Professional Experience Summary:

Paul J. McEachen, Director of Archaeological Services, has served as a Principal Investigator on all phases of archaeological investigations, and specializes in prehistoric archaeology. Mr. McEachen has prepared and directed cultural resources surveys in accordance with Section 106 of the National Historic Preservation Act, NEPA, and various municipal and state cultural resource regulations. He exceeds the qualifications set forth in the Secretary of Interior's Standards for Archaeologists [36 CFR 61].

Representative Project Experience:

NJDOT, Folsom Maintenance Yard, Borough of Folsom, Atlantic County, NJ (Sponsor: State of New Jersey, Division of Property Management and Construction [NJDPMC]) Provided oversight for the Phase IA historical and archaeological survey for NJDOT's proposed Folsom Maintenance Yard. The purpose of the survey was to determine if documented archaeological resources existed within Area of Potential Effects (APE), to assess the potential for the APE to contain undocumented prehistoric and historic archaeological sites. Background research and a pedestrian survey determined that the APE had a low sensitivity for prehistoric and historic archaeological resources due to previous disturbance from prior mining activities and the subsequent use of the property as a maintenance yard. No additional archaeological survey was recommended.

NJDOT Winter Yard, Old Bridge Township, Middlesex County, NJ (Sponsor: State of New Jersey, Division of Property Management and Construction) Provided oversight to the Principal Investigator, Senior Archaeologist for a Phase IA historical and archaeological survey in connection with the NJDOT's proposed Winter Yard in Old Bridge Township. Background research and a pedestrian survey determined that portions of the APE had a high sensitivity for prehistoric archaeological resources and a low potential to contain historic archaeological resources. A Phase IB archaeological survey was recommended within undisturbed portions of the APE proposed for ground disturbance.

New Sanitary Sewer, Island Beach State Park, Berkeley and Ocean Townships, Ocean County, NJ (Sponsor: NJDPMC) Provided oversight for a Phase IA historical and archaeological survey within the APE for a proposed new sanitary sewer located on Island Beach State Park within a 7.9-mile stretch of Shore Road. The purpose of the survey, which included background research, consultation with interested parties, and an archaeological field reconnaissance, was to assess the potential for significant archaeological resources to be affected by the proposed undertaking.

DeMott Lane Bridge, Delaware & Raritan Canal State Park, Franklin Township, Somerset County, NJ (Sponsor: NJDPMC) Provided oversight for the Phase IA and IB archaeological surveys for the replacement of the DeMott Lane Bridge over the Delaware and Raritan Canal. No significant prehistoric or historic archaeological resources were identified during the archaeological surveys. Since the proposed bridge was located within the New Jersey and National Register-listed Delaware and Raritan Canal Historic District, RGA also prepared of an Application for Project Authorization in accordance with the New Jersey Register of Historic Places Act.

3 Relevant Team Experience on Similar Projects

Mott MacDonald is ranked No. 33 in the ENR Top 500 Design firms for 2018.

Project Team

Mott MacDonald has assembled a uniquely qualified team of technical professionals which possess the breadth of experience required, the depth of professional staff and resources, and the program management systems required to ensure that cost and scheduling are closely controlled to meet DPMC's objectives.

Mott MacDonald has provided quality engineering and environmental services since 1937. Mott MacDonald is well regarded in the engineering industry and is ranked No. 33 in the ENR Top 500 Design Firms for 2018. Mott MacDonald possesses the practical knowledge and experience needed to meet the technical challenges of any project. Our approach is strictly client-focused, with corporate commitment to engineering excellence.

Mott MacDonald is a locally based consulting firm headquartered in Iselin, New Jersey. We have satellite offices in Cape May, Freehold and Morristown, allowing us easy and quick access to all areas of the state. Mott MacDonald has approximately 400 locally-based staff with access to additional corporate resources of over 16,000 to respond quickly and cost-effectively to any project demand. We provide comprehensive engineering services in all areas of infrastructure, environmental, transportation, tunnels, water, wastewater, pipeline and utility markets. We offer public and private clients the complete range of services from planning, feasibility studies, environmental assessments, conceptual through preliminary and detailed design, to procurement, construction inspection, construction management, and full project and program management services, as well as operations and maintenance support.

Mott MacDonald specializes in servicing the following areas:

- | | |
|--|---|
| <ul style="list-style-type: none">• Airports & Aviation• Asset Management• Environmental• Facility Operations• Highways and Bridges• Hydrogeology• Landscape Architecture• Life-Safety & Security | <ul style="list-style-type: none">• Pipelines• Ports and Harbors• Rail and Transit• Site Development• Solid Waste Management• Tunnels• Wastewater• Water |
|--|---|

The Following is a listing of the categories Mott MacDonald is Prequalified with the D PMC:



STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY
DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION

NOTICE OF CONSULTANT PREQUALIFICATION

FIRM: MOTT MACDONALD, LLC
ADDRESS: 111 WOOD AVENUE SOUTH
ISELIN, NJ 08830

☐ INITIAL ☒ REVISED ☐ RENEWAL

DATE OF ISSUE: SEPTEMBER 14, 2018
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☐ MBE ☐ WBE ☐ SBE ☐ VOB

The Experience Questionnaire (FORM 48A), submitted by your firm, has been reviewed. As a result of this review, your firm may be invited to submit proposals for projects involving the checked discipline(s) having a not to exceed Construction Cost Estimate (CCE) as noted. For the purposes of this form, NA = no fixed amount.

<input type="checkbox"/> ARCHITECTURE		<input checked="" type="checkbox"/> ROOFING CONSULTANT	10 MILLION
<input checked="" type="checkbox"/> ELECTRICAL ENGINEERING	UNLIMITED	<input type="checkbox"/> ACOUSTICS	
<input checked="" type="checkbox"/> HVAC ENGINEERING	UNLIMITED	<input checked="" type="checkbox"/> ASBESTOS DESIGN	NA
<input checked="" type="checkbox"/> PLUMBING ENGINEERING	UNLIMITED	<input checked="" type="checkbox"/> ASBESTOS SAFETY MONITORING	NA
<input checked="" type="checkbox"/> CIVIL ENGINEERING	UNLIMITED	<input checked="" type="checkbox"/> CLAIMS ANALYSIS	NA
<input checked="" type="checkbox"/> SANITARY ENGINEERING	UNLIMITED	<input type="checkbox"/> TELECOMMUNICATIONS	
<input checked="" type="checkbox"/> STRUCTURAL ENGINEERING	UNLIMITED	<input type="checkbox"/> EXHIBIT/INTERPRETATIVE DESIGN	
<input type="checkbox"/> MICH ENG (ELEV CONVEYORS, ETC.)		<input checked="" type="checkbox"/> FEASIBILITY PLANNING	UNLIMITED
<input checked="" type="checkbox"/> SOILS ENGINEERING	20 MILLION	<input checked="" type="checkbox"/> FIRE DETECTION SYSTEMS	UNLIMITED
<input checked="" type="checkbox"/> FIRE PROTECTION ENGINEERING	UNLIMITED	<input checked="" type="checkbox"/> FIRE PROTECTION SYSTEMS	UNLIMITED
<input checked="" type="checkbox"/> ENVIRONMENTAL ENGINEERING	UNLIMITED	<input type="checkbox"/> FOOD SERVICE	
<input checked="" type="checkbox"/> MARINE ENGINEERING	10 MILLION	<input checked="" type="checkbox"/> HYDRAULICS/PNEUMATICS	UNLIMITED
<input checked="" type="checkbox"/> LANDSCAPE DESIGN	15 MILLION	<input checked="" type="checkbox"/> HYDROLOGY	NA
<input checked="" type="checkbox"/> PLANNING	UNLIMITED	<input checked="" type="checkbox"/> SECURITY SYSTEMS	15 MILLION
<input checked="" type="checkbox"/> LAND SURVEYING	NA	<input checked="" type="checkbox"/> SITE PLANNING	UNLIMITED
<input type="checkbox"/> AERIAL SURVEYING		<input type="checkbox"/> HISTORIC PRESERVATION CONSULTANT	
<input checked="" type="checkbox"/> HYDROGRAPHIC SURVEYING	NA	<input type="checkbox"/> ENERGY AUDITING	
<input checked="" type="checkbox"/> FIRE & LIFE SAFETY RENOVATIONS	UNLIMITED	<input checked="" type="checkbox"/> TRAFFIC	NA
<input checked="" type="checkbox"/> BUILDING COMMISSIONING	1 MILLION	<input checked="" type="checkbox"/> TRANSPORTATION	20 MILLION
<input checked="" type="checkbox"/> BOILER/STEAM LINES/HIGH PRESSURE SYS	10 MILLION	<input checked="" type="checkbox"/> WASTE/WATER TREATMENT	UNLIMITED
<input checked="" type="checkbox"/> DAM/LEVEE DESIGN	1 MILLION	<input checked="" type="checkbox"/> ENERGY MANAGEMENT CONTROL SYSTEM	10 MILLION
<input checked="" type="checkbox"/> BARRIER FREE/ADA DESIGN	UNLIMITED	<input type="checkbox"/> RENEWAL ENERGY CONSULTANT	
<input checked="" type="checkbox"/> ESTIMATING/COST ANALYSIS	NA	<input checked="" type="checkbox"/> CONSTRUCTION FIELD INSPECTION	UNLIMITED
<input type="checkbox"/> INTERIOR DESIGN/SPACE PLANNING		<input checked="" type="checkbox"/> PROJECT MANAGEMENT	UNLIMITED
<input checked="" type="checkbox"/> ROOFING INSPECTION	10 MILLION	<input checked="" type="checkbox"/> ENVIRONMENTAL CONSULTANT	NA
<input checked="" type="checkbox"/> CONSTRUCTION MANAGEMENT	UNLIMITED	<input checked="" type="checkbox"/> STORAGE TANK REMOVAL	NA
<input type="checkbox"/> CPM		<input checked="" type="checkbox"/> STORAGE TANK INSTALLATION	NA
<input type="checkbox"/> ARCHAEOLOGY		<input checked="" type="checkbox"/> PERIMETER SECURITY FENCING	25 MILLION
<input checked="" type="checkbox"/> GEOLOGY	NA	<input type="checkbox"/> INDOOR AIR QUALITY TESTING	
<input checked="" type="checkbox"/> VALUE ENGINEERING	NA	<input checked="" type="checkbox"/> LANDFILL CLOSURE	NA
<input type="checkbox"/> HISTORIC PRESERVATION/RESTORATION		<input type="checkbox"/> LEAD PAINT EVALUATION	

PREPARED BY:

Camela Sullivan
CAMELA SULLIVAN
MANAGER, PREQUALIFICATION UNIT

APPROVED BY:

Richard S. Flodman
RICHARD S. FLODMAN
DEPUTY DIRECTOR

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PLEASE RETAIN THIS FORM FOR YOUR RECORDS.

Summary of Recent Relevant Experience

Mott MacDonald was one of the six consultants retained by the DPMC to provide demolition design and construction administration services under the previous five-year term contract (TC-008). To date we have assisted the DPMC with 11 contracts with an average of 8 to 15 home demolitions per Work Order.

Mott MacDonald was an integral part in the demolition of several structures previously located at the Greystone Psychiatric Hospital site.

Mott MacDonald is the Consultant of Record regarding the Engineering and Environmental survey, design, bid administration and construction oversight, with close-out, for the demolition, site clearing and restoration at the former Marlboro Psychiatric Hospital in Marlboro, New Jersey. The site contained some 94 buildings and structures totaling over 1.25 million gross square feet. The project is approximately 90% complete with the final work pending the replacement of utilities for adjacent properties.

Mott MacDonald conducted various surveys and design work for the remediation of asbestos containing materials (ACM), hazardous building materials (HBM) and universal wastes at the former Essex County Hospital at Overbrook in Cedar Grove, New Jersey. HBMs and universal wastes are those materials that either require disposal at a regulated landfill or can be appropriately recycled to keep such materials from a landfill under the Federal Resource Conservation Recovery Act (RCRA). This work, under our Contract with the County of Essex, included the preparation for the design for the demolition of remaining structures at the Hill Top location, site clearing and restoration.

As a result of Super-storm Sandy, Mott MacDonald was Contracted by the Borough of Mantoloking to provide assessments of properties impacted by said storm, determine if the residential properties were not occupiable and assess these properties for environmental impacts (i.e., asbestos containing materials, lead paint, universal wastes, hazardous materials, etc.) that would require remediation prior to or during demolition. Mott MacDonald provided design documents for bid administration relative to environmental abatement and, where warranted, structural demolition since some properties were "washed away" by the super-storm and residual environmental concerns remained on the property lines. This program consisted of the Borough of Mantoloking paying for the environmental abatement and demolition of unsafe structures and/or contaminated properties for reimbursement by FEMA. These same and similar conditions applied to the Borough's Municipal Building and Fire House.

Mott MacDonald was an integral part in the demolition of several structures, including the 300,000 square foot Dormitory Building and Ellises Complex (three buildings), previously located at the Greystone Park Psychiatric Hospital site. Mott MacDonald was retained to provide environmental consulting services during the redevelopment of the site into a modern psychiatric hospital. Our work consisted of: conducting a Preliminary Assessment and a Site Investigation; Asbestos Containing Material (ACM) Surveys and Abatement Specifications; oversight of ACM abatement activities; Lead-based Paint Surveys; and a Microbial (Mold) Survey.

Mott MacDonald was also contracted to provide complete field investigations and prepare construction drawings and specifications to demolish a total of nine complete buildings and a portion of a tenth building at the Naval Weapons Station Earle primarily due to the amount of asbestos containing materials discovered in these buildings. The project included the complete removal of several buildings including, but not limited to, the concrete foundations, concrete footings, concrete slabs, walls, door assemblies, structural systems, mechanical

systems, electrical systems, CCTV and security systems, sprinkler systems, plumbing systems, bridge cranes, and all internal building contents, structures, and equipment. Site demolition and restoration included, but was not limited to, the removal of all utilities, grounding systems, concrete pavements and bituminous pavements. The sites were graded, top soiled and seeded.

Mott MacDonald served as the Prime Consultant for demolition documents, compliance reviews during demolition, adherence to regulatory requirements and contract administration including payment / completion certifications for the decommissioning and demolition work at Toronto Pearson International Airport Development Program. This project included the decommissioning and demolition of over 2-million square feet of buildings and structures. In designing the building demolition program, strict legislative health and safety requirements were considered relative to removal of vast amounts of designated hazardous materials such as asbestos, PCBs, lead, mercury, and mold. The client had placed a stringent 80% demolition material recycle target (ISO 14001) on the project. With innovative design, site demolition compliance reviews and a partnering approach with contractors, Mott MacDonald achieved a 98% material recycle. All concrete, approximately 300,000 tons, demolished from the terminal buildings and surrounding aprons was crushed on site for re-use.

The Mott MacDonald Team – Summary of Experience Working Together

The Mott MacDonald Team is comprised of firms that are prequalified with the DPMC and include:

- McCabe Environmental Services, LLC (McCabe) to provide Lead Paint Inspection and Remediation Design, as well as augment Mott MacDonald with ACM Survey and Remediation Monitoring.
- Richard Grubb & Associates, Inc. (RGA) to provide any necessary services relative Native American Archaeological Deposits in soils and sub-soils, since Floodplain areas have a high potential for such. RGA may also assist if there are any issues associated with Historical Preservation.

The Mott MacDonald Team proposed for this project has significant experience working together on numerous projects over the years. The prime team members of Mott MacDonald, McCabe and RGA have worked on numerous projects dating back over ten years and are continuing to pursue a wide variety of Engineering, Environmental, Construction Management, Design and Monitoring projects. This teaming effort is to offer our Clients the best suitable team members to complete projects effectively, efficiently and precisely with a mission statement always focused client satisfaction.

Subconsultants



McCABE ENVIRONMENTAL SERVICES, L.L.C.

McCabe is a DPMC approved multi-disciplined

asbestos, environmental, lead paint evaluation, indoor air quality and environmental testing & analysis firm. McCabe was established in 1999 and is a certified Small Business (SBE), Women Business (WBE) and Disadvantaged Business (DBE) Enterprise providing a full range of environmental inspection, analytical, and consulting services. McCabe Environmental has been dedicated to providing the highest quality of service to their clients. Our areas of expertise include asbestos, lead-based paint, mold testing and remediation, radon, indoor air quality and industrial hygiene. Our experience has been serving educational institutions, real estate development, pharmaceutical and manufacturing

companies, architectural design and construction management firms, engineering firms, mass transportation authorities, as well as other environmental consulting firms.

With headquarters located in Lyndhurst, New Jersey, McCabe Environmental has a staff of highly trained professionals that have gained their experience specifically in the environmental testing and analytical field. The two principals of the firm, Ellen McCabe and John H. Chiaviello, have a combined experience of over 60 years gained mainly in the New York/New Jersey metropolitan area, and nationally as well.



Richard Grubb & Associates (RGA) was established in 1988 as a full-service cultural resource management firm and has since grown to become one of the largest, independent archaeological and historic preservation consulting companies in the Mid-Atlantic, Midwest, and Northeast regions. RGA's staff of professional historians, archaeologists, architectural historians, material culture specialists, and GIS experts possess the collective experience to undertake all types of cultural resource management projects. RGA's corporate headquarters are in Cranbury, New Jersey, with satellite locations in Chester Springs and Philadelphia, Pennsylvania; New York, New York; Chestertown, Maryland; Marietta, Ohio; and Wake Forest, North Carolina. Since 1988, RGA has successfully completed thousands of projects throughout the United States, including within the Territory of Puerto Rico. Clients include federal and state agencies, county and municipal government entities, architect and engineering firms, environmental consulting firms, architects, planners, commercial and residential property developers, builders, and historic preservation commissions.

The firm has a reputation for excellence among its diverse clientele and the federal and state agencies that review its products. The company strategy is to tailor its services and develop innovative strategies to meet individual client needs for projects of any size and scale.



STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY
DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION
NOTICE OF CONSULTANT PREQUALIFICATION

FIRM: McCABE ENVIRONMENTAL SERVICES INC.
ADDRESS: 464 VALLEY BROOK AVENUE
LYNDHURST, NJ 07071

☐ INITIAL ☐ REVISED ☒ RENEWAL

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☐ NRE ☒ WRE ☒ SBE ☐ VOB

The Experience Questionnaire (FORM 48A), submitted by your firm, has been reviewed. As a result of this review, your firm may be invited to submit proposals for projects involving the checked discipline(s) having a not to exceed Construction Cost Estimate (CCE) as noted. For the purposes of this form, NA = no fixed amount.

<input type="checkbox"/> ARCHITECTURE	_____	<input type="checkbox"/> ROOFING CONSULTANT	_____
<input type="checkbox"/> ELECTRICAL ENGINEERING	_____	<input type="checkbox"/> ACOUSTICS	_____
<input type="checkbox"/> HVAC ENGINEERING	_____	<input checked="" type="checkbox"/> ASBESTOS DESIGN	NA
<input type="checkbox"/> PLUMBING ENGINEERING	_____	<input checked="" type="checkbox"/> ASBESTOS SAFETY MONITORING	NA
<input type="checkbox"/> CIVIL ENGINEERING	_____	<input type="checkbox"/> CLAIMS ANALYSIS	_____
<input type="checkbox"/> SANITARY ENGINEERING	_____	<input type="checkbox"/> TELECOMMUNICATIONS	_____
<input type="checkbox"/> STRUCTURAL ENGINEERING	_____	<input type="checkbox"/> EXHIBIT INTERPRETATIVE DESIGN	_____
<input type="checkbox"/> MECH. ENG. (ELEV., CONVEYORS, ETC.)	_____	<input type="checkbox"/> FEASIBILITY PLANNING	_____
<input type="checkbox"/> SOILS ENGINEERING	_____	<input type="checkbox"/> FIRE DETECTION SYSTEMS	_____
<input type="checkbox"/> FIRE PROTECTION ENGINEERING	_____	<input type="checkbox"/> FIRE PROTECTION SYSTEMS	_____
<input type="checkbox"/> ENVIRONMENTAL ENGINEERING	_____	<input type="checkbox"/> FOOD SERVICE	_____
<input type="checkbox"/> MARINE ENGINEERING	_____	<input type="checkbox"/> HYDRAULICS/PNEUMATICS	_____
<input type="checkbox"/> LANDSCAPE DESIGN	_____	<input type="checkbox"/> HYDROLOGY	_____
<input type="checkbox"/> PLANNING	_____	<input type="checkbox"/> SECURITY SYSTEMS	_____
<input type="checkbox"/> LAND SURVEYING	_____	<input type="checkbox"/> SITE PLANNING	_____
<input type="checkbox"/> AERIAL SURVEYING	_____	<input type="checkbox"/> HISTORIC PRESERVATION CONSULTANT	_____
<input type="checkbox"/> HYDROGRAPHIC SURVEYING	_____	<input type="checkbox"/> ENERGY AUDITING	_____
<input type="checkbox"/> FIRE & LIFE SAFETY RENOVATIONS	_____	<input type="checkbox"/> TRAFFIC	_____
<input type="checkbox"/> BUILDING COMMISSIONING	_____	<input type="checkbox"/> TRANSPORTATION	_____
<input type="checkbox"/> BOILER/STEAM LINES/HIGH PRESSURE SYS.	_____	<input type="checkbox"/> WASTE/WATER TREATMENT	_____
<input type="checkbox"/> DAM LEVEL DESIGN	_____	<input type="checkbox"/> ENERGY MANAGEMENT CONTROL SYSTEM	_____
<input type="checkbox"/> BARRIER FREE/ADA DESIGN	_____	<input type="checkbox"/> RENEWABLE ENERGY CONSULTANT	_____
<input type="checkbox"/> ESTIMATING/COST ANALYSIS	_____	<input type="checkbox"/> CONSTRUCTION FIELD INSPECTION	_____
<input type="checkbox"/> INTERIOR DESIGN/SPACE PLANNING	_____	<input type="checkbox"/> PROJECT MANAGEMENT	_____
<input type="checkbox"/> ROOFING INSPECTION	_____	<input checked="" type="checkbox"/> ENVIRONMENTAL CONSULTANT	NA
<input type="checkbox"/> CONSTRUCTION MANAGEMENT	_____	<input type="checkbox"/> STORAGE TANK REMOVAL	_____
<input type="checkbox"/> CPM	_____	<input type="checkbox"/> STORAGE TANK INSTALLATION	_____
<input type="checkbox"/> ARCHAEOLOGY	_____	<input type="checkbox"/> PERIMETER SECURITY FENCING	_____
<input type="checkbox"/> GEOLOGY	_____	<input checked="" type="checkbox"/> INDOOR AIR QUALITY TESTING	NA
<input type="checkbox"/> VALUE ENGINEERING	_____	<input type="checkbox"/> LANDFILL CLOSURE	_____
<input type="checkbox"/> HISTORIC PRESERVATION/RESTORATION	_____	<input checked="" type="checkbox"/> LEAD PAINT EVALUATION	NA

PREPARED BY:

Pamela Sullivan

PAMELA SULLIVAN
MANAGER, PREQUALIFICATION UNIT

APPROVED BY:

Richard S. Floodman

RICHARD S. FLOODMAN
DEPUTY DIRECTOR

NOTE: THIS IS AN ORIGINAL DOCUMENT. IT MAY BE REQUIRED AS PROOF OF YOUR PREQUALIFICATION STATUS.
PLEASE RETAIN THIS FORM FOR YOUR RECORDS.



STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY
DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION
NOTICE OF CONSULTANT PREQUALIFICATION

FIRM: RICHARD GRUBB & ASSOCIATES, INC.
ADDRESS: 259 PROSPECT PLAINS ROAD, BLDG. D
CRANFORD, NJ 08512

☐ INITIAL ☐ REVISED ☒ RENEWAL

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☐ MBE ☒ WBE ☒ SBE ☐ VOB

The Response Questionnaire (FORM 43A), submitted by your firm, has been reviewed. As a result of this review, your firm may be invited to submit proposals for projects involving the checked discipline(s) having a not to exceed Construction Cost Estimate (CCE) as noted. For the purposes of this form, NA = no fixed amount.

<input type="checkbox"/> ARCHITECTURE	_____	<input type="checkbox"/> ROOFING CONSULTANT	_____
<input type="checkbox"/> ELECTRICAL ENGINEERING	_____	<input type="checkbox"/> ACOUSTICS	_____
<input type="checkbox"/> HVAC ENGINEERING	_____	<input type="checkbox"/> ASBESTOS DESIGN	_____
<input type="checkbox"/> PLUMBING ENGINEERING	_____	<input type="checkbox"/> ASBESTOS SAFETY MONITORING	_____
<input type="checkbox"/> CIVIL ENGINEERING	_____	<input type="checkbox"/> CLAIMS ANALYSIS	_____
<input type="checkbox"/> SANITARY ENGINEERING	_____	<input type="checkbox"/> TELECOMMUNICATIONS	_____
<input type="checkbox"/> STRUCTURAL ENGINEERING	_____	<input type="checkbox"/> EXHIBIT/INTERPRETATIVE DESIGN	_____
<input type="checkbox"/> MECH. ENG. (ELEV., CONVEYORS, ETC.)	_____	<input type="checkbox"/> FEASIBILITY PLANNING	_____
<input type="checkbox"/> SOILS ENGINEERING	_____	<input type="checkbox"/> FIRE DETECTION SYSTEMS	_____
<input type="checkbox"/> FIRE PROTECTION ENGINEERING	_____	<input type="checkbox"/> FIRE PROTECTION SYSTEMS	_____
<input type="checkbox"/> ENVIRONMENTAL ENGINEERING	_____	<input type="checkbox"/> FOOD SERVICE	_____
<input type="checkbox"/> MARINE ENGINEERING	_____	<input type="checkbox"/> HYDRAULICS/PNEUMATICS	_____
<input type="checkbox"/> LANDSCAPE DESIGN	_____	<input type="checkbox"/> HYDROLOGY	_____
<input type="checkbox"/> PLANNING	_____	<input type="checkbox"/> SECURITY SYSTEMS	_____
<input type="checkbox"/> LAND SURVEYING	_____	<input type="checkbox"/> SITE PLANNING	_____
<input type="checkbox"/> AERIAL SURVEYING	_____	<input checked="" type="checkbox"/> HISTORIC PRESERVATION CONSULTANT	NA
<input type="checkbox"/> HYDROGRAPHIC SURVEYING	_____	<input type="checkbox"/> ENERGY AUDITING	_____
<input type="checkbox"/> FIRE & LIFE SAFETY RENOVATIONS	_____	<input type="checkbox"/> TRAFFIC	_____
<input type="checkbox"/> BUILDING COMMISSIONING	_____	<input type="checkbox"/> TRANSPORTATION	_____
<input type="checkbox"/> BOILER/STEAM LINES HIGH PRESSURE SYS	_____	<input type="checkbox"/> WASTEWATER TREATMENT	_____
<input type="checkbox"/> DAM/LEVEE DESIGN	_____	<input type="checkbox"/> ENERGY MANAGEMENT CONTROL SYSTEM	_____
<input type="checkbox"/> BARRIER FREE/ADA DESIGN	_____	<input type="checkbox"/> RENEWABLE ENERGY CONSULTANT	_____
<input type="checkbox"/> ESTIMATING/COST ANALYSIS	_____	<input type="checkbox"/> CONSTRUCTION FIELD INSPECTION	_____
<input type="checkbox"/> INTERIOR DESIGN/SPACE PLANNING	_____	<input type="checkbox"/> PROJECT MANAGEMENT	_____
<input type="checkbox"/> ROOFING INSPECTION	_____	<input type="checkbox"/> ENVIRONMENTAL CONSULTANT	_____
<input type="checkbox"/> CONSTRUCTION MANAGEMENT	_____	<input type="checkbox"/> STORAGE TANK REMOVAL	_____
<input type="checkbox"/> CFM	_____	<input type="checkbox"/> STORAGE TANK INSTALLATION	_____
<input checked="" type="checkbox"/> ARCHAEOLOGY	NA	<input type="checkbox"/> PERIMETER SECURITY FENCING	_____
<input type="checkbox"/> GEOLOGY	_____	<input type="checkbox"/> INDOOR AIR QUALITY TESTING	_____
<input type="checkbox"/> VALUE ENGINEERING	_____	<input type="checkbox"/> LANDFILL CLOSURE	_____
<input type="checkbox"/> HISTORIC PRESERVATION RESTORATION	_____	<input type="checkbox"/> LEAD PAINT EVALUATION	_____

PREPARED BY:
Pamela Sullivan
PAMELA SULLIVAN
MANAGER, PREQUALIFICATION UNIT

APPROVED BY:
Richard S. Floodland
RICHARD S. FLOODLAND
DEPUTY DIRECTOR

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Case Study

Environmental and Demolition Consulting Services

After decades of damage and millions of dollars lost due to flooding and storm damage, federal and state agencies have teamed to prevent future loss of property and control storm water.

Project

Environmental and
Demolition Consulting
Services

Client

New Jersey Department
of Treasury – Division of
Property Management
and Construction

Location

Various, NJ

Expertise

Site Investigation
Utility Survey
Asbestos Survey
Hazardous building
material/Universal Waste
survey
Abatement plans
Demolition
Recycling
Permits
Plans and Specifications
Cost Estimating
Bidding Assistance
Construction observation
Construction
Management
Project closeout



Opportunity

New Jersey Department of Environmental Protection Sandy Blue Acres Acquisition Program acquires properties that have been damaged by, or may be prone to incurring damage caused by, storms or storm-related flooding, or that may buffer or protect other lands from such damage. The Program will mitigate flood-prone or flood-damaged structures by acquiring and demolishing the homes, opening up the floodplain, and deed restricting the land as open space in perpetuity.

Solution

Mott MacDonald (HMM) was one of several consultants retained by the New Jersey State Treasury – Department of Property Management and Construction to provide demolition design and construction administration services under a five-year term contract. To date we have assisted the NJDPMC with 11 contracts with an average of 8 to 15 home demolitions per contracts. Mott MacDonald's role and services included:

- Preliminary Site Investigations
- Project Scoping Documents
- Preparation of Designs and Bid Specifications
- Development of Specifications for Proper Demolition, Removal and Disposal
- Development of Specifications for Site Remediation (if necessary)
- Assistance with Compliance with all Environmental Statutes and Regulations
- Asbestos investigations and Hazardous building materials/universal waste assessments for each property
- Coordination with the NJDPMC and the NJDEP
- Quality Control/Assurance
- Cost Estimating
- Bid Support Services
- Construction Administration and final inspections.



Outcome

Mott MacDonald's Services made possible a safe and environmentally responsible process to protect the adjacent properties and provide the open space to reduce the potential for flooding.

Case Study

Environmental and Demolition Consulting Services

Project

Environmental and
Demolition Consulting
Services

Client

New Jersey DEP Green
Acres Program

Location

Seaside Park Berkeley
Township), NJ

Expertise

Site Investigation
Utility Survey
Asbestos Survey
Hazardous building
material/ Universal Waste
survey
Abatement plans
Demolition
Recycling
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A family owned business that had ceased operation provided a unique opportunity to repurpose the site for the citizens of the State of New Jersey.

Opportunity

The structure at the corner of Central and 24th Avenues, Seaside Park (Berkeley Township), New Jersey was located at the entrance to Island Beach State Park. The building was up for sale and the location made it ideal for acquisition by the state for future use associated with the park. The property was under contract to purchase by the Green Acres Program. As a condition of sale, the building had to be demolished.

Solution

Mott MacDonald was retained and tasked with conducting a pre-demolition survey to identify asbestos and other hazardous building material/universal waste survey that would require abatement or removal prior to the demolition. The results of Mott MacDonald's survey indicated the presence of limited asbestos containing material and hazardous building material/ universal waste survey.

Mott MacDonald prepared the specification for the abatement/removal of these materials as well as the full demolition of the structure and all man-made site features. Mott MacDonald, on behalf of the Green Acres Program, released the specification to qualified contractors to obtain bids for the abatement of hazardous building material/ universal waste survey and the full demolition and site restoration.



Environmental and Demolition Consulting Services

During the abatement /removal of asbestos, Mott MacDonald conducted visual observation of the contractor's activities and conducted air monitoring as well as, conducted final clearance air sampling upon completion of the work.

Mott MacDonald conducted full time observation of the demolition activities to ensure that all man-made features were removed. This included all underground piping, an abandoned septic system, site signage, asphalt and concrete pads and parking area

Outcome

Mott MacDonald's Services made possible a safe and environmentally responsible return of the site to it natural condition. The site may be utilized in the future for Visitor Information Center and/or other Park related services for the citizens of New Jersey.



Case Study



Project

Environmental and
Demolition Consulting
Services

Client

Harrogate Lifecare Senior
Living Community

Location

Lakewood and
Toms River, NJ

Expertise

Site Investigation
Utility Survey
Asbestos Survey
Hazardous building
material/ Universal Waste
survey
Abatement plans
Demolition
Recycling
Permits
Plans and Specifications
Cost Estimating
Bidding Assistance
Construction observation
Construction
Management
Project closeout

Environmental and Demolition Consulting Services

Available property for potential future expansion.

Opportunity

Adjacent property to the Harrogate Lifecare Facility in Lakewood, NJ became available. The property was viewed as a possible area for the facility to expand, but the residential structure on the site was not needed.

Solution

Mott MacDonald was retained and tasked with conducting a pre-demolition survey to identify asbestos and other hazardous building materials/universal waste that would require abatement or removal prior to the demolition. Mott MacDonald prepared the specification for the abatement/removal of the identified hazardous building materials/universal waste as well as the full demolition of the structure and all man-made site features including a concrete below ground pool, potable well and septic system. As the property was split between Lakewood and Toms River, NJ, Mott MacDonald coordinated the obtaining of required permits between the two municipalities. On behalf of the Harrogate, Mott MacDonald released the specification to qualified contractors to obtain bids for the abatement of hazardous building materials/universal waste and the demolition and site restoration.



Environmental and Demolition Consulting Services

Mott MacDonald conducted observation of the demolition activities to ensure that all man-made features were removed as noted in the specifications. This included all underground piping, the septic system, below ground pool, portion of the asphalt driveway and concrete pads as well as the proper sealing of the potable well.

Outcome

Mott MacDonald's Services made possible a safe and environmentally responsible return of the site to its natural condition. The site may be utilized in the future for expansion of the Senior Living Community.



Case Study

Project

Environmental and
Demolition Consulting
Services

Client

County of Ocean,
Engineering Department

Location

Jackson and Toms
Tuckerton, NJ

Expertise

Site Investigation
Utility Survey
Asbestos Survey
Hazardous building
material/Universal Waste
survey
Abatement plans
Demolition
Recycling
Permits
Plans and Specifications
Cost Estimating
Bidding Assistance
Construction observation
Construction
Management
Project closeout



Environmental and Demolition Consulting Services

Available property purchased for road improvements in Ocean County, NJ.

Opportunity

Ocean County Engineering Department purchased three properties within the County for road improvement project. Two residential properties in Jackson Township and one residential/office property in Tuckerton were acquired.



Solution

Prior to any road project, the buildings and other man-made structures required demolition. Mott MacDonald was retained and tasked with conducting a pre-demolition survey to identify asbestos and other hazardous building materials/universal waste that would require abatement or removal prior to the demolition. In addition, subsurface surveys utilizing ground penetrating radar (GPR) and magnetometers to identify subsurface features such as underground storage tanks, septic systems and well heads were conducted. Mott MacDonald prepared the specification for the abatement/removal of the identified hazardous building materials/universal waste as well as the full demolition of the structure and all man-made site features. Mott MacDonald coordinated the obtaining of required permits. The specifications are currently under review by the County. On behalf of the County, Mott MacDonald will release the specification to qualified contractors to obtain bids for the abatement of hazardous materials and the demolition and site restoration.

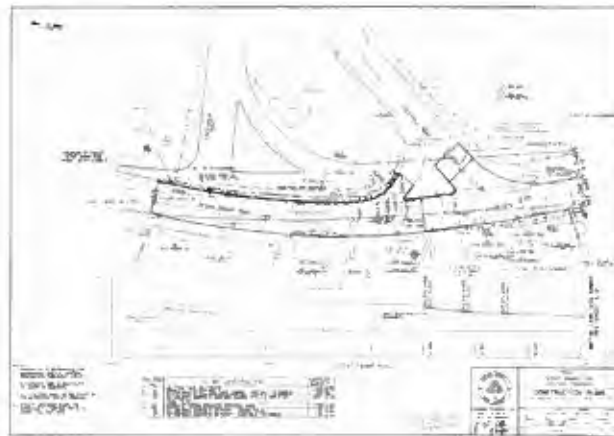


Environmental and Demolition Consulting Services

Mott MacDonald will conduct observation of the demolition activities to ensure that all man-made features are removed as noted in the specifications. This included the septic system, underground storage tank, asphalt driveways and concrete pads, storage sheds as well as the proper sealing of the potable wells.

Outcome

Mott MacDonald's Services will make possible a safe and environmentally responsible reuse of the sites to improve roadways within the County.



Project

Demolition and Site
Restoration Former Marlboro
Psychiatric Hospital

Client

New Jersey Department of
Treasury – Division of
Property Management and
Construction

Location

Marlboro, NJ

Expertise

Site Investigation
Utility Survey
Asbestos Survey
Hazardous building material/
Universal Waste survey
Abatement plans
Demolition
Recycling
Permits
Plans and Specifications
Cost Estimating
Bidding Assistance
Construction observation
Construction Management
Project closeout

Case Study**Historic Psychiatric Hospital converted to open space**

Over a decade without patients, the tough task of demolition and repurpose faced this local landmark. Mott MacDonald's detailed survey and plans made possible a safe and environmentally responsible redevelopment of the site.

Opportunity

The Marlboro Psychiatric Hospital was opened in 1931, then closed in 1998 as the State moved towards community-based care for patients. The vacant facility includes some 94 buildings and structures totalling over 1.25 million gross square feet and over 1 mile of tunnels. These buildings previously housed patients, medical staff, administration staff, maintenance staff, equipment, supplies and various support functions. The site is situated on approximately 411 acres, of which 120 acres have been developed and 291 acres have been utilized as farmland. The State's plan was for the demolition of all site structures and restoration of the site for future use as open space.

**Solution**

Mott MacDonald was awarded a contract to prepare design documents for the demolition of all buildings, structures, and roads of the former hospital. We surveyed the entire site and identified and quantified all buildings, tunnels, structures, roads and paved areas to be demolished and areas of the site to be

Demolition and Site Restoration Former Marlboro Psychiatric Hospital

restored. All utilities were documented, including steam, gas, electric, sanitary, stormwater, and water.

Mott MacDonald searched for and located drawings of the entire site and each structure that dated from the early 1930s through the late 1980s. Following a review of the drawings, each structure was surveyed by a team of architects and engineers to document the existing conditions and to identify opportunities for salvage and/or recycling. System components as well as architectural components were assessed for possible reuses.

Mott MacDonald investigated soil contamination in several areas of the site and investigated and delineated a known groundwater contamination plume. We evaluated the presence of asbestos-containing materials, lead-based paint, and hazardous building materials/universal waste in all buildings on the site. The information generated from these surveys was utilized to develop a detailed cost estimate for the site's demolition and restoration.

We developed Plans and Specifications (Bidding Documents) for a phased deconstruction and reconstruction plan. The Plans and Specifications complied with all applicable codes and regulations for demolition and material separation, recycling and disposal. The Contract Plans showed all utilities to the site and indicate those to be cut and capped and the extent of removal. We assisted the DPMC in the bidding process and provide a recommendation for Contract Award. Mott MacDonald has provided construction management field oversight and will provide project closeout services.

Outcome

Mott MacDonald's detailed survey and project specifications made possible a safe and environmentally responsible redevelopment of the site for open space use. Approximately 90% complete, the final work is pending the replacement of utilities for adjacent properties.



4 “Key Team members Project Experience Data Sheets”

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Kevin Koch, PE, LSRP
TITLE Project Director
FIRM Mott MacDonald

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Marlboro Psychiatric Hospital, Marlboro, NJ (\$2.9M Mott MacDonald fee)	Mott MacDonald	Preliminary Assessment; Site Investigation, Remedial Investigation; Remedial Action Workplan; ACM/LBP Surveys, Abatement Oversight; Hazardous Building Material Surveys; plans and specifications, bidding assistance and construction observation/management	Overall Project Director and in charge of QA/QC of the activities and reports prepared for project.	84 Months	15%	April 2012 to Present	
NJSDA Site Feasibility Investigation Services, Various Locations, New Jersey ("On-Call Program" with a statewide capital budget of \$8-10 billion / \$2.2 million Mott MacDonald fee)	Mott MacDonald	Site Feasibility and Environmental Site Closure Services including site investigations, environmental screening, geotechnical investigations, wetland investigations, air quality analysis, EIS evaluation, asbestos management and preparation of building demolition specifications.	Overall Project Director and in charge of QA/QC of the activities and reports prepared for various project and Project Manager for several sites.	180 Months	10%	November 2003 to present	

Kevin Koch, PE – Project Director – Mott MacDonald (cont'd)

Essex County Hospital at Overbrook, Cedar Grove, NJ (\$190K Mott MacDonald fee)	Mott MacDonald	Hazardous Building Material Assessment, Demolition Design, Project and Construction Management	Principal-in-charge	48 Months	15%	August 2013 to 2017	
Essex County On-Call Environmental Services for Various Buildings (\$2.4 million Mott MacDonald fee) Essex County, New Jersey	Mott MacDonald	Asbestos management services lead based paint surveys, mold and other indoor air quality surveys.	Overall Project Director and in charge of QA/QC of the activities and reports prepared for various project and Project	125 Months	15%	April 2004 to Present	
Joseph C. Caruso Elementary School, Keansburg, NJ (\$980K const. value for demo only / \$240K Mott MacDonald fee)	Mott MacDonald	Environmental Assessment, Environmental Screening Report, Preliminary Assessment Report, Environmental Site Investigation, Hazardous Building Materials Surveys, Plans and Specifications for demolition, and Bidding assistance for demolition.	Overall Project Director and in charge of QA/QC of the activities and reports prepared for project.	84 Months	10%	November 2008 to 2015	
NJDPMC Blue Acres Program – 11 Assignments – Mott MacDonald Fee \$786K	Mott MacDonald	Hazardous Building Material Assessment, Demolition Design, Project and Construction Management	Project Director	60 Months	10%	April 2014 to Present	

* A KEY TEAM MEMBER IS A PERSON WITH A CRITICAL ROLE IN THE PROJECT AND/OR DEVOTING 20% OR MORE OF THEIR TIME TO ANY PHASE OF THE PROJECT

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Joseph Koehler, PE

TITLE Civil Engineering Task Manager

FIRM Mott MacDonald

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Marlboro Psychiatric Hospital, Marlboro, NJ (\$2.9M Mott MacDonald fee)	Mott MacDonald	Preliminary Assessment; Site Investigation; Remedial Investigation; Remedial Action Workplan; ACM/LBP Surveys, Abatement Oversight; Hazardous Building Material Surveys; plans and specifications, bidding assistance and construction observation/management.	Engineering Task Manager	84 Months	20%	April 2012 to Present	
Ocean County 3 Residential Building Demolitions (on-call program) (\$53K Mott MacDonald fee)	Mott MacDonald	Hazardous Building Material Assessment, Demolition Design, Project and Construction Management	Project Manager	4 Months	10%	December 2018 - present	
Essex County Hospital at Overbrook, Cedar Grove, NJ (\$190K Mott MacDonald fee)	Mott MacDonald	Demolition Design, Project and Construction Management	Engineering Task Manager	48 Months	10%	August 2013 to 2017	

Joseph Koehler, PE – Civil Engineering Task Manager – Mott MacDonald (cont'd)

NJSDA Site Feasibility Investigation Services, Various Locations, New Jersey ("On-Call Program" with a statewide capital budget of \$8-10 billion / \$2.2 million Mott MacDonald fee)	Mott MacDonald	Preparation of building demolition specifications.	Senior Engineer	124 Months	10%	November 2008 to present
Essex County Youth Facility Demolition Project, Cedar Grove, NJ (\$35 million const. value / \$150K Mott MacDonald fee)	Mott MacDonald	Engineering for project demolition.	Engineering Project Manager	11 Months	20%	August 2004 to June 2005
Joseph C. Caruso Elementary School, Keansburg, NJ (\$980K const. value for demo only / \$240K Mott MacDonald fee)	Mott MacDonald	Plans and Specifications for demolition, and bidding assistance for demolition.	Engineer Project Manager	73 Months	15%	May - Aug 2011
Essex County On-Call Environmental Services for Various Buildings (\$2.4 million Mott MacDonald fee) Essex County, New Jersey	Mott MacDonald	Civil Engineering Services.	Senior Engineer	112 Months	10%	April 2004 to Present
NJDPMC Blue Acres Program – 11 Assignments – Mott MacDonald Fee \$786K	Mott MacDonald	Hazardous Building Material Assessment, Demolition Design, Project and Construction Management	Project Engineer	60 Months	10%	April 2014 to Present

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Kevin Herrigty

TITLE Project Manager

FIRM Mott MacDonald

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Environmental Consulting, Greystone Park Psychiatric Hospital, Parsippany, NJ (\$200 million const. value / \$490K Mott MacDonald fee)	VITETTA Architects & Engineers	Preliminary Assessment; Site Investigation, Remedial Investigation; Remedial Action Workplan; Asbestos Containing Material Surveys, Abatement Oversight; Lead-Based Paint Surveys; Hazardous Building Material Surveys; and a Microbial (Mold) Survey.	Project Manager	54 Months	20%	April 2003 to October 2008	
NJDPMC Blue Acres Program – 11 Assignments – Mott MacDonald Fee \$786K	Mott MacDonald	Hazardous Building Material Assessment, Demolition Design, Project and Construction Management	Project Scientist	60 Months	10%	April 2014 to Present	

Kevin Herrighty – Asbestos Containing Material – Mott MacDonald (cont'd)						
Essex County Hospital at Overbrook, Cedar Grove, NJ (\$190K Mott MacDonald fee)	Mott MacDonald	Hazardous Building Material Assessment, Demolition Design, Project and Construction Management	Project Manager	4 Months	30%	August 2013 to Present
Marlboro Psychiatric Hospital, Marlboro, NJ (\$2.9M Mott MacDonald fee)	Mott MacDonald	Hazardous Building Material Assessment, Demolition Design, Project and Construction Management	Project Manager	84 Months	10%	April 2013 to Present
Borough of Mantoloking, Mantoloking, NJ (2.5K Mott MacDonald fee)	Mott MacDonald	Hazardous Building Material Assessment, Demolition of Various Residences	Project Manager	24 Months	15%	March 2013 to June 2015
Ocean County 3 Residential Building Demolitions (on-call program) (\$53K Mott MacDonald fee)	Mott MacDonald	Hazardous Building Material Assessment, Demolition Design, Project and Construction Management	Project Manager	4 Months	10%	December 2018 - present
NJSDA Site Feasibility Investigation Services, Various Locations, New Jersey ("On-Call Program" Mott MacDonald fee \$2.2 million)	Mott MacDonald	Project Manager for Development Potential, Hazardous Material Surveys and Reporting, Abatement Observation and Monitoring.	Project Manager	70 Months	25%	November 2003 to August 2009
Joseph C. Caruso Elementary School, Keansburg, NJ (\$980K const. value for demo only / \$240K Mott MacDonald fee)	Mott MacDonald	In charge of Hazardous Material (e.g. asbestos, lead in paint, etc.) Investigations, Preparation of Abatement Specifications.	Project Manager	38 Months	20%	November 2008 to Present

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Matt DeSimone, PE

TITLE Senior Engineer

FIRM Mott MacDonald

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
NJDPMC Blue Acres Program – 11 Assignments – Mott MacDonald Fee \$786K	Mott MacDonald	Demolition Design, Project and Construction Management	Engineer	60 Months	20%	April 2014 to Present	
Ocean County 3 Residential Building Demolitions (on-call program) (\$53K Mott MacDonald fee)	Mott MacDonald	Demolition Design, Project and Construction Management	Engineer	4 Months	25%	December 2018 - present	
Township of Scotch Plains – Assistant Twp. Engineer Mott MacDonald Fee \$100K	Mott MacDonald	General Civil Engineering	Assistant Township Engineer	6 Months	50%	August 2018 to Present	
Marlboro Psychiatric Hospital Water and Sanitary Extension \$1.8 Million	Mott MacDonald	Schematic Design, Utility Investigation, Permitting, Construction Administration	Civil Designer	26	20% - 80%	09/2016 - present	
Passaic Educational Campus, New Jersey Schools Development Authority, Passaic, NJ \$200 Million	Mott MacDonald	Developed schematic civil site design, utility investigation, shop drawing review	Civil Designer	18	21% - 50%	06/2016 - present	

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Matt Watson

TITLE Environmental Scientist

FIRM Mott MacDonald

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
NJDPMC Blue Acres Program – 11 Assignments – Mott MacDonald Fee \$786K	Mott MacDonald	ACM and Hazardous building material survey	Inspector	60 Months	50%	April 2014 to Present	
Penn Station NY Remedial Investigation Mott MacDonald Fee \$4,750K	Mott MacDonald	Media sampling and contractor oversight	Scientist	23 Months	30%	April 2017 to Present	

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Jarred Panecki

TITLE Project Manager

FIRM McCabe Environmental Services

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
1199 Housing Authority New York, NY	N/A	Lead Inspector/ Risk Assessor with XRF	Project Manager	3 Months	40%	2018	
Various homes in New Jersey	Tectonic Engineering & Surveying Consultants PC	Lead Inspector/ Risk Assessor with XRF in Various homes in New Jersey	Project Manager	8 Months	30%	2016-2017	
Various Train Cars	NJ Transit	Asbestos Monitoring, Inspection, Design & Monitoring	Project Manager	16 Months	20%	2017-2018	
Harry L Bain	USA Architects	Asbestos Monitoring, Inspection, Design & Monitoring	Project Manager	3 Months	10%	2016-2017	
Shaw Environmental & Infrastructure, Inc.- RREM Project	CBI/Shaw	Lead and asbestos inspections for over 3,000 homes affected by Hurricane Sandy	Project Manager	2.5 Years	80%	2013-2015	

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Paul McEachen

TITLE Principal Senior Archaeologist

FIRM Richard Grubb & Associates, Inc.

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
NJDOT, Folsom Maintenance Yard, Folsom, Atlantic County, NJ: \$7,863.00	Churchill Engineers (Prime to NJDPMC)	Phase IA Historical and Archaeological Survey	Principal Senior Archaeologist	3 Months	4%	2017-2018	
NJDOT, Winter Yard, Old Bridge Township, Middlesex County, NJ: \$8,480.00	Mott MacDonald (Prime to NJDPMC)	Phase IA Historical and Archaeological Survey	Principal Senior Archaeologist	1 Month	4%	2017	
Stow Creek Boat Ramp Rehabilitation, Stow Creek, Cumberland County, NJ: \$7,301.00	Thomas Barry Marine Construction, Inc. (Prime to NJDPMC)	Archaeological Monitoring	Principal Senior Archaeologist	5 Months	2%	2016-2017	
Island Beach Sanitary Sewer, Berkeley and Ocean Twp., Ocean County, NJ: \$4,989.00	LAN Associates (Prime to NJDPMC)	Phase IA Historical and Archaeological Survey	Principal Senior Archaeologist	12 Months	3%	2015-2016	

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5 Project Approach

The Mott MacDonald Team will manage and guide appropriate activities, identify critical issues, and recommend solutions.

Introduction

It is the objective of the State of New Jersey, Department of the Treasury, Division of Property Management and Construction, (DPMC) to demolish residential homes associated with the State of New Jersey, Department of Environmental Protection, (DEP) "Blue Acres" program. It is Mott MacDonald's understanding that these residential homes are prone to flooding because of their proximity to flood plains. The "Blue Acres" program will result in the DEP purchasing those homes from Owners who will participate in this program and, upon the DEP obtaining deeds to the properties, will arrange with the DPMC for the demolition and site restoration of these properties.

Mott MacDonald understands how critical the "Blue Acres" program through this DPMC Term Contract will be relative to milestone dates and compliance with requirements of the Federal Emergency Management Administration (FEMA) and the United States Department of Housing and Urban Development (HUD). We work in concert with the State of New Jersey to ensure FEMA and HUD obligations are fulfilled for compliance and financial re-imbursement. For the purposes of this proposal, "project" is termed for those cluster of homes Mott MacDonald may receive over the three (3) year period, with a possible fourth- and fifth-year Contract extension, to provide engineering and environmental survey and design services in preparation for demolition and site restoration. We are sufficiently staffed, both with in-house personnel and our team member sub-consultants, to accomplish the asbestos survey, prepare plans and specifications and cost estimate to complete each project within the AE thirty (30) day timeframe.

The effectiveness of a Project Approach and a Management Plan is measured by the ability to deliver a completed project in accordance with the prescribed quality, budget, and schedule. The Mott MacDonald Team will utilize a proven methodology to manage this project and deliver the standard of care to meet the identified goals of the DPMC and associated stakeholders. The Mott MacDonald Team will manage and guide appropriate activities, identify critical issues, and recommend specific solutions to maintain the overall project schedule with no avoidable adverse budget impact. Certain grants require all work to be completed in ninety (90) days. The ninety days includes 30 days for plans and specification, 15 days for permitting and 45 days for construction. We will strive to assist the DPMC/NJDEP to achieve this goal.

Mott MacDonald's objective will be to ensure each project activity is properly staffed and managed, and that staff is executing the project requirements in accordance with established plans, specifications, procedures, and principles in a timely manner. We will assist in identifying, developing, and refining the elements of the project to facilitate competitive bids, award, and execution of the various contract packages.

Safety is the first order of business.

During the performance of all of Mott MacDonald's services, safety is the first order of business, and we conduct ourselves accordingly. Establishing team chemistry and organizational trust is also a high priority. Early actions will include meetings with DPMC to establish single points of contact, project scoping details, and expectations. We propose an early workshop with the DPMC staff to create a risk framework and mitigation strategy. Roles of the various team members and actions with milestones will be incorporated into the mitigation strategies, so that all team members and DPMC will have a clear understanding of our roles and responsibilities in mitigating project risks.

We approach this project with interest and concern for the challenges ahead and have developed measures for the critical planning tasks for controlling costs, guiding the schedule, and a consciousness for safety for the project.

The following Project Approach and Management Plan highlights the Mott MacDonald Team's philosophy on our project delivery. The Scope of Work presented by the DPMC can essentially be evaluated under two main Phases. These include the Existing Conditions Assessment Phase and the Demolition and Restoration Phase. The Mott MacDonald Team's discussion /approach to these phases is presented on the following pages.

Existing Conditions Assessment Phase

Under this phase of the project, the Mott MacDonald Team will generate existing condition information, including any environmental concerns that will have to be addressed, so as to facilitate our design relative to demolition of each structure assigned to Mott MacDonald. The approaches that the Mott MacDonald Team will undertake for each of the Tasks is discussed in detail below.

Field Survey

The Mott MacDonald Team will visually survey existing sites and buildings (structural integrity) and verify and quantify all buildings, structures, paved areas, etc., to be demolished and areas of the site to be restored. In addition, all utility connections will be documented including sanitary sewer, storm sewer, domestic water, gas service, fire water service, electric service, and telephone and communication services. Utilities are identified, and utility companies and account numbers are gathered to assist DPMC to facilitate utility shut-off letters and documentation of any possible multiple feeds or secondary sources of energy including electric, steam, hydraulic, etc. If an above ground storage tank is identified it will be noted in the specifications and additional requirements will be inserted into the specifications for its removal in accordance with the NJDEP's and DCA's requirements.

The survey will identify opportunities for salvage and/or recycling.

Hazardous Building Materials (HBM) Survey

Asbestos Containing Materials (ACM)

ACM has been a continuing concern to property owners since the early 1970s. Numerous federal, State, as well as local government regulations mandate strict control of ACM prior to and during planned renovations or demolitions of buildings and other structures. Since ACM has been used in over 3,600 applications and products, the inspection shall include interior, exterior and visible underground materials to each property.

The Mott MacDonald Team shall inspect all buildings, structures, and other areas for suspect ACM, inclusive of identification of these materials, collection of bulk samples for appropriate analysis and quantification of all ACM. The survey will be performed by experienced and accredited Asbestos Hazard Emergency Response Act (AHERA) Inspectors. Where buildings are determined to be structurally unsafe from our Field Survey activities referenced above, Mott MacDonald shall develop a demolition plan for ACM to remain in place and sorted out for disposal in accordance with protocols established by the United



The number of samples collected will meet EPA-AHERA protocol for each suspect material.

States Environmental Protection Agency (USEPA), FEMA and the State of New Jersey.

Samples of the suspect ACM, based on the visual inspection, will be obtained. The number of samples collected will meet EPA-AHERA protocol for each suspect material. The samples will be delivered to an accredited laboratory and analyzed to assess the presence of asbestos. Samples will be analyzed by Polarized Light Microscopy (PLM), utilizing dispersion staining (EPA-600/R-93/116). Additionally, some samples (non-friable organic bound "NOB" materials, such as floor tile and mastic) may be re-analyzed by Transmission Electron Microscopy (TEM), utilizing methodology EPA-600/R93/116 Section 2.5 "Asbestos in Bulk Building Materials by TEM Gravimetry" in accordance with recent rule adoptions in the State of New Jersey under N.J.A.C. 8:60 and 12:120.

Upon receipt of the analytical results for asbestos, tables of quantities of material positively identified as ACM will be generated. The most cost-effective method to remove and dispose of the ACM will be developed along with an estimated cost. This information will be incorporated into the demolition specifications.

Lead Based Paint and Lead Containing Paint (LBP & LCP)

Lead-based paints have historically been utilized for nearly a century as a coating for many structures due to its durability and other qualities. LBP and LCP that has deteriorated or that is disturbed (e.g., during specific demolition activities) could cause adverse health effects to adjacent building occupants, Trades involved in the demolition work and/or nearby persons in the area. Adverse environmental impacts to the surrounding soil may also result from deteriorated or disturbed LBP and LCP.

Typically for demolition purposes, lead paint surveys are not conducted as the structures will not be re-occupied and will be demolished. Given the age of the structures it is likely that lead based paint (paint with greater than 0.5% by weight or 1.0 milligram per square centimeter (mg/cm²) was used at some time (ban on lead-based paint occurred in 1979) within or on the exterior of the structures. Additionally, newer paint still may contain lead (paint with a concentration of lead greater than 0% but less than 0.5% or greater than 0 and less than 1.0 mg/cm²) and is considered lead containing paint (LCP).



If requested a lead investigation will be initiated by the Mott MacDonald Team by conducting a visual inspection and survey of all buildings, structures and equipment to identify locations of suspect LBP and LCP. Based upon the visual inspection, a sampling strategy will be developed. The inspection will be performed by a Permitted State of New Jersey, Department of Health and Senior Services, (DHSS) Lead Inspector. The inspection will follow the HUD Guidelines and those regulation requirements of the USEPA and N.J.A.C. 5:17.

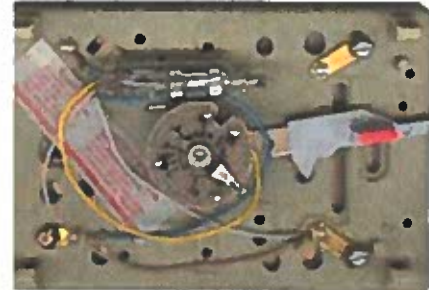
Utilizing an X-ray Fluorescence (XRF) instrument, the lead concentration of painted surfaces will be determined by direct readings in the field. Confirmation of inconclusive surfaces (by XRF) will be performed by obtaining a paint sample

for laboratory analysis. Samples will be analyzed for total lead concentrations. We will develop an itemized inventory of suspect materials, an estimate of potential abatement costs and the most cost-effective method to remove and dispose of the LBP and LCP. This information will be incorporated into the demolition specifications.

Because these properties are residential, disposal of lead paint coated items may be recycled or disposed in a regular landfill under USEPA regulations, which can reduce demolition costs. In addition, the Demolition Contractor must be notified of the presence of LBP/LCP in order to institute dust control measures and for the workers to be properly protected during demolition activities.

Universal Waste

The Mott MacDonald Team will conduct a visual screening of all buildings, structures and equipment to identify and categorize Universal Wastes. As per federal and State Universal Waste requirements, Mott MacDonald shall inventory those items that can be obtained and recycled through Universal Waste requirements. That is, those items that contain hazardous materials but have components that can be recycled, which lessens the burden to landfills, shall be identified and quantified. For example, fluorescent light bulbs contain mercury where this hazardous material can be collected and issued for recycling as opposed to being landfilled. The same would apply, but not limited to, refrigerants for air conditioning systems (i.e., chloro-floro-carbons (CFCs), mercury containing equipment, electrical equipment with heavy metals (i.e., computers), etc.).



Prior to the demolition of the building, universal waste items should be removed and segregated for recycling/disposal. Care must be taken to not damage these items during removal which may cause leakage of hazardous constituents. These items must be recycled/disposed of in accordance with all local, state and federal regulations. We will generate a list the Universal Waste items, the most cost-effective methods of removal and disposal, and an estimated cost for their removal and disposal. This information will be incorporated into the demolition specifications.

Cost Estimate

Upon completion of the field survey a detailed cost estimate for demolition and site restoration will be developed. The Mott MacDonald Team approach to cost estimating is elementary in that we will prepare the estimates as a contractor would, in detail, based on the Quantity Survey Method. Our estimators keep in mind that, for public works projects in particular, costs are impacted greatly as project duration is extended. Our estimators know what it takes to do the work from a Contractor's perspective and understand and account for the costs of staging, phasing, operations, and maintenance during the work.

The Mott MacDonald Team's approach to the estimating task on this project is to follow the level of detail of a quantity survey. But more importantly, we see that the accurate and precise identification of the quantities of regulated materials generated during the Mott MacDonald Team's field documentation services will be the solid foundation for a high-quality accurate cost estimate.

This project's estimate will only be as good as the quantity estimates developed as part of the field survey effort.

This project's estimate will only be as good as the quantity estimates developed as part of the field survey effort. The Mott MacDonald Team will have the experienced staff working on the survey phase that will be delivering this level of accuracy and completeness. The developed information's accuracy and completeness is essential to evaluate costs especially those associated with tasks on the critical path or those requiring special logistics or coordination with multiple trades. Once quantities are calculated for finite items (concrete, asphalt, conduit, etc.) the Mott MacDonald Team will then follow a Contractor's pricing approach to staging, sequencing, general conditions, mark-ups and profits.

The Mott MacDonald Team maintains in-house historical cost information files, knowledge of current and local market conditions, and standard cost references, to provide accurate estimating information critical to providing dependable estimates. Part of The Mott MacDonald Team cost estimating equation is to apply our experience and knowledge from similar projects, in similar work environments. Knowing the cost associated with other similar projects enables us to draw direct parallels to common tasks and make direct cost approximations. Unit price estimating becomes the starting point to a more tailored estimate to account for the availability of labor which often varies seasonally in both the construction and remediation industries, allowances for material recycling, local permitting requirements and timetables, and the potential to obtain cost/time saving regulatory relief measures for waste generation and/or disposal.

Mott MacDonald's estimating group consists of mechanical, electrical, structural, architectural, site civil, and hazardous material estimators.

For this project, a lead estimator and support staff from the various disciplines (electrical, environmental, architectural, mechanical, etc.) will be utilized to develop and maintain the working estimate. The Mott MacDonald Team's personnel are aware of the premium costs for specialized work, shift work, phasing requirements, and temporary utilities, which may be required. The Mott MacDonald Team will use the latest software and computer equipment to provide accurate, detailed estimates that are complete and easily understood.

The generated cost estimate will be presented in a summary table to the DPMC.

Demolition and Restoration Phase

Under this phase of the project the Mott MacDonald Team will develop the necessary Plans and Specifications to complete the desired demolition and restoration activities. The Mott MacDonald Team is prepared and qualified to take this project from the design phase through to final acceptance by the State. The approach that the Mott MacDonald Team will undertake for this Phase is discussed in detail below.

The Mott MacDonald Team's approach for the demolition and restoration of a site is discussed in the following:

Site Remediation

If adverse environmental conditions are noted, we will work with the DPMC to address any identified areas of environmental concern (AOC). The Mott MacDonald Team's actions on the remediation of any identified AOCs will be led by a New Jersey LSRP. We will evaluate remedial alternatives to determine the best remedial action for AOCs. Our conclusions will be presented to the DPMC including recommendations and cost estimates. The Mott MacDonald team will prepare the necessary plans and specifications to implement the selected remedial action and will be part of the overall construction documents for demolition and site restoration. The Mott MacDonald Team will monitor the

implementation of the Remedial Action and complete the necessary forms, reports and documents and issue a Response Action Outcome (RAO).

Utility Termination and Equipment Removal

The Mott MacDonald Team will utilize the information generated during the Existing Conditions Assessment Phase to identify the status of the utilities servicing the site. If any utilities are still active, we will prepare the necessary plans and specifications for their termination.

Well Decommissioning

The Mott MacDonald team will prepare the necessary plans and specifications to implement the closure of any on-site well. These plans and specifications will be part of the overall construction documents for demolition and site restoration. All work required for the decommissioning will be in accordance with NJAC 7:9,D-3. The work will be required to be completed under the supervision of a New Jersey licensed well driller of appropriate class.

Within ninety (90) days of properly abandoning the well a decommissioned Well Abandonment Report on the form prescribed by the DEP will be completed and submitted. Information on this report will include:

- the location and date the well was sealed,
- the permit number (if applicable) of the well-sealed,
- the property owner name, address, lot and block,
- the total well depth, the well diameter and well casing materials,
- a cross-section of the sealed well and a description of the materials used to decommission the well, and
- the signature name and registration number of the driller who sealed the well.



Demolition and Site Restoration

The Mott MacDonald Team will develop Plans and Technical Specifications (Bid Documents) for building/structure demolition, site clearing and restoration project for the residences assigned to Mott MacDonald from DPMC. We will prepare Plans and Technical Specifications to comply with all applicable codes and regulations for environmental remediation, demolition and material separation, recycling and disposal, as well as site restoration.

The Contract Plans will show all utilities to the sites and indicate those to be cut and capped and the extent of removal. The Technical Specifications will be prepared following the currently utilized DPMC format. All documents will be prepared under the supervision of a Professional Engineer and environmental specialist licensed/certified in the State of New Jersey.

The Mott MacDonald Team will prepare the bid documents suitable for soliciting bids from qualified Contractors utilizing the standard documents that has evolved over the previous Blue Acers Demolitions. The bid documents will include a Statement of Work, engineering drawings and specifications, schedule, DPMC terms and conditions of construction contracts, and insurance requirements.

Final construction documents (100% complete Drawings and Technical Specifications incorporating all DPMC's comments) will be stamped and signed by a New Jersey licensed engineer and issued to the DPMC for bidding. The Mott MacDonald Team will coordinate the Technical Specifications and front-end Bid Documents with the DPMC.

Remediation Specifications will be developed in sufficient detail to allow a Contractor to bid and carry out the abatement and demolition without change orders and extras. Hazardous Material/Universal Waste Technical Specifications will detail the types, location and quantity of these wastes to be removed. Demolition specifications will show and identify the limits of interior and exterior demolition work. Any site remediation work relative to ASTs, USTs, soils and groundwater shall be incorporated into the Contract Documents and overseen by a LSRP.

Bidding Assistance

The Mott MacDonald Team will participate in a pre-bid meeting at the sites assigned to Mott MacDonald by the DPMC for potential bidders to:

- Familiarize potential bidders with the site
- Review Scope of Work
- Discuss the bidding process and submittal requirements
- Review the schedule and bids for the work
- Answer questions from prospective bidders

The Mott MacDonald Team will address any questions submitted in writing by the bidders during the bidding process or pertinent questions asked at the pre-bid meeting and will issue addenda to the Bid Documents as necessary. The Mott MacDonald Team attend a post bid review meeting and will assist the DPMC in the tabulation and evaluation of bids and make a recommendation for Contract Award.

Construction Assistance

The Mott MacDonald Team will attend a pre-construction meeting and job conference on the engineering and demolition of the buildings as necessary in addition to the other meetings as required by the DPMC. The Mott MacDonald Team will be available throughout the entire demolition phase to answer any questions raised by the DPMC in a timely fashion. Preparation of supplementary documents required to clarify the design drawings or resolve field conditions encountered will be performed. Design data collected as part of the design phase associated with the remediation and demolition of the building will be furnished if necessary to answer any field inquiries.

The Mott MacDonald Team will review all drawings and methods submitted by the Contractor and check that they are in accordance with the Design Drawings and Technical Specifications. The submittals will be marked up indicating changes required, if any, until they conform to the engineering and contract drawings and specifications. The Mott MacDonald Team will perform its review in a timely manner. All drawings and methods will be approved in conjunction with the DPMC. Standardized DPMC forms will be utilized as appropriate.

The Mott MacDonald Team will maintain a Submittals/Shop Drawing log to track the progress of the Contractor submittals based on the approved drawing schedules to be submitted by the Contractors. The log will include name of the contractor and subcontractors, drawing number, due date, date issued, date

The Mott MacDonald Team will review any requests for changes in the scope of work and associated costs by the Contractor.

received, date checked, date returned, date of corrections and date of approval. The log will be updated every week after the contractor has been issued to start and will clearly indicate the status of each of the submittals required.

As in the past Blue Acers Projects, it is understood that the DPMC Team will provide inspection during abatement/demolition and Mott MacDonald will be available for on call inspection services if requested. LSRP services will also be available if requested on site. At the end of the demolition work Mott MacDonald will visit each site to verify the work has been completed and document it with pictures and a PE signed and sealed letter.

The Mott MacDonald Team will attend meetings, public review meetings and all meetings required to obtain local regulatory approvals, permits, variances and compliances if required by the DPMC.



Document Control

Of paramount importance to any project is the need to organize the flow of documents and establish clear record keeping. The Mott MacDonald Team maintains systems and procedures to ensure proper record keeping and document control for proper contract administration. The Mott MacDonald Team will review payment applications made by the Contractor, ensure their completeness in content and format to meet requirements set forth by the DPMC and make recommendation for payment. We will prepare final close out documents for the DPMC.

Archeological Survey

It is Mott MacDonald's understanding that the properties to be surveyed are in Flood Plains that may have archeological aspects relative to Native Americans. This is because the fact that Native Americans often established settlements along water beds. In addition, the Industrial Revolution, from a historic standpoint, accrued historical status that shall be considered for our survey work. As such, Mott MacDonald shall consider these services on a project basis and incorporate with any reporting and/or remediation design documents.

**TC-004 TERM CONTRACT RATE SCHEDULE
BY PERSONNEL LEVEL**

NAME OF FIRM: Mott MacDonald, LLC

INSTRUCTIONS

Provide a **LOADED** hourly rate (\$ per hour; no cents please) below for all **Personnel** included in each of the **Levels** listed. Please refer to page 3 of these instructions for a description of each of the personnel types by level. Your proposal may be considered unresponsive if you leave blanks.

PERSONNEL TYPE/DISCIPLINE	TERM CONTRACT HOURLY RATES PER CONTRACT PERIOD		
	BASE (3 YEARS)	EXTENSION OPTION - YR 4	EXTENSION OPTION - YR 5
LEVEL 7	\$ 210.00	\$ 215.00	\$ 215.00
LEVEL 6	\$ 200.00	\$ 205.00	\$ 205.00
LEVEL 5	\$ 165.00	\$ 170.00	\$ 175.00
LEVEL 4	\$ 110.00	\$ 115.00	\$ 120.00
LEVEL 3	\$ 90.00	\$ 95.00	\$ 115.00
LEVEL 2	\$ 40.00	\$ 40.00	\$ 40.00
LEVEL 1	\$ 30.00	\$ 30.00	\$ 30.00
AVERAGE RATE (ALL LEVELS) Please calculate for Levels 7 -1	\$ 120.71	\$ 124.29	\$ 128.57

Authorized Signature:  Title: Senior Vice President

RETURN THIS COMPLETED DOCUMENT TO DPMC

(PAGE 2 OF 3)

TERM CONTRACT TC-004
DATE: 1/19

**TC-004 TERM CONTRACT RATE SCHEDULE
BY PERSONNEL LEVEL**

NAME OF FIRM: McCabe Environmental services, LLC

INSTRUCTIONS

Provide a **LOADED** hourly rate (\$ per hour, no cents please) below for all Personnel included in each of the Levels listed. Please refer to page 3 of these instructions for a description of each of the personnel types by level. Your proposal may be considered unresponsive if you leave blanks.

PERSONNEL TYPE/DISCIPLINE	TERM CONTRACT HOURLY RATES PER CONTRACT PERIOD		
	BASE (3 YEARS)	EXTENSION OPTION - YR 4	EXTENSION OPTION - YR 5
LEVEL 7	\$145.00	\$155.00	\$155.00
LEVEL 6	\$130.00	\$135.00	\$135.00
LEVEL 5	\$125.00	\$128.00	\$128.00
LEVEL 4	\$118.00	\$120.00	\$120.00
LEVEL 3	\$115.00	\$117.50	\$117.50
LEVEL 2	\$100.00	\$108.00	\$108.00
LEVEL 1	\$58.00	\$60.00	\$60.00
AVERAGE RATE (ALL LEVELS) Please calculate for Levels 7 -1	\$113.00	\$117.64	\$117.64

Authorized Signature: 

Title: Vice President

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(PAGE 2 OF 3)

TC-004 PERSONNEL LEVELS with EXAMPLES

TERM CONTRACT TC-004

DATE: 1/19

**TC-004 TERM CONTRACT RATE SCHEDULE
BY PERSONNEL LEVEL**

NAME OF FIRM: Richard Grubb and Associates, Inc.

INSTRUCTIONS

Provide a **LOADED** hourly rate (\$ per hour, no cents please) below for all Personnel included in each of the Levels listed. Please refer to page 3 of these instructions for a description of each of the personnel types by level. Your proposal may be considered unresponsive if you leave blanks.

PERSONNEL TYPE/DISCIPLINE	TERM CONTRACT HOURLY RATES PER CONTRACT PERIOD		
	BASE (3 YEARS)	EXTENSION OPTION - YR 4	EXTENSION OPTION - YR 5
LEVEL 7	\$ 159.00	\$ 164.00	\$ 169.00
LEVEL 6	\$ 125.00	\$ 129.00	\$ 133.00
LEVEL 5	\$ 95.00	\$ 98.00	\$ 101.00
LEVEL 4	\$ 81.00	\$ 83.00	\$ 86.00
LEVEL 3	\$ 68.00	\$ 70.00	\$ 72.00
LEVEL 2	\$ 59.00	\$ 61.00	\$ 63.00
LEVEL 1	\$ 44.00	\$ 45.00	\$ 47.00
AVERAGE RATE (ALL LEVELS) Please calculate for Levels 7 -1	\$ 90.00	\$ 93.00	\$ 96.00

Authorized Signature: _____

Alice Domm

Title: CEO/President

RETURN THIS COMPLETED DOCUMENT TO DPMC

(PAGE 2 OF 3)

TERM CONTRACT TC-004
DATE: 1/19

7 Consultant Affidavit

**TC - 004
DEMOLITION CONSULTANT
MULTIPLE AWARD TERM CONTRACT**

CONSULTANT AFFIDAVIT

IMPORTANT - PLEASE READ, SIGN AND PROVIDE INFORMATION REQUESTED BELOW

Affidavit: I, being duly sworn upon my oath, hereby represent and state the foregoing information contained in the Term contract Proposal and any attachments thereto the best of my knowledge are true and complete. I acknowledge that the State of New Jersey (Owner) is relying on the information contained herein and thereby acknowledge that I am under a continuing obligation from the date of this certification through the completion of any contracts with the Owner, or its contractors, to notify the Owner in writing of any changes to the answers or information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreements(s) with the Owner and that the Owner, at its option, may declare any contract(s) or sub-contract(s) resulting from this certification void and unenforceable.

Signature of the Consultant below attests that the Consultant has read, understands and agrees to all terms, conditions and specifications set forth and referenced in the TC - 004 Term Contract Request for Proposal (RFP) including the General Conditions to the Demolition Consultant Term Contract TC-004 and the Statement of Assurances for Contractor/Consultant - Additional Federally Funded Agreement Provisions. Signature of the Consultant signifies that a contract is established immediately upon notice of award by the State of New Jersey for any or all of the items and the length of time indicated in the proposal. Failure to accept a contract award, to hold prices or to meet any other terms or conditions as defined in the Request for Proposal and subsequently the Notice of Award, during the term of the contract, shall constitute a breach of contract and may result in termination, suspension or debarment from further contractual agreements with the Owner.

Signature and Title of Principle or Individual of the firm authorized to sign contractual documents:

Firm Name:

Signature:



Print Name:

Philip A. LiVecchi

Title: Executive Vice President

Date:

3-5-19

ATTESTED: Sworn and subscribed to before me on the 5th day of March, 2019

Signature:



(Notary Public-Not an Officer of the Firm)

KAREN MARCOTULLIO

NOTARY PUBLIC OF NEW JERSEY

My Commission Expires Oct. 24, 2020

RETURN THIS COMPLETED DOCUMENT TO DPMC

(PAGE 1 OF 3)

TC - 004
DEMOLITION CONSULTANT
MULTIPLE AWARD TERM CONTRACT

CONSULTANT AFFIDAVIT

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Signature and Title of Principle or Individual of the firm authorized to sign contractual documents:

Firm Name:

Signature:

Print Name:

Title:

Date:

ATTESTED: Sworn and subscribed to before me on the 11th day of February, ~~2018~~ 2019

Signature:

(Notary Public-Not an Officer of the Firm)

RETURN THIS COMPLETED DOCUMENT TO DPMC

(PAGE 1 OF 3)

DENISE BUREAU
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Jan. 31, 2021

TERM CONTRACT TC-004
DATE: 1/19

TC - 004
DEMOLITION CONSULTANT
MULTIPLE AWARD TERM CONTRACT

CONSULTANT AFFIDAVIT

IMPORTANT - PLEASE READ, SIGN AND PROVIDE INFORMATION REQUESTED BELOW

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Signature and Title of Principle or Individual of the firm authorized to sign contractual documents:

Firm Name:

Signature:



Print Name: Alice Domm

Richard Grubb and Associates, Inc.

Title: Chief Executive Officer/President

Date: 3/4/19

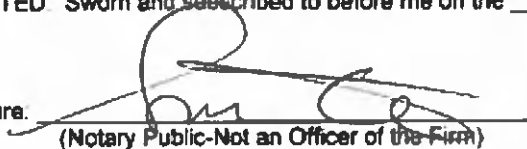
ATTESTED Sworn and subscribed to before me on the

4th

day of March

2019
1908

Signature:


(Notary Public-Not an Officer of the Firm)

STEPHANIE GRUBB
NOTARY PUBLIC OF NEW JERSEY
Comm. # 50044010
My Commission Expires 8/15/2021

RETURN THIS COMPLETED DOCUMENT TO DPMC

(PAGE 1 OF 3)

TERM CONTRACT TC-004
DATE: 1/19

