

## **PROJECT FIRMS**

### **Exhibit VIII. C.18.a**

#### **1. GEI Consultants, Inc., P.C.**

110 Walt Whitman Road, Suite 204  
Huntington, NY 11746

GEI Consultants, Inc., P.C. (GEI), is a nationally recognized engineering consulting firm with more than 600 employees located in 32 offices nationwide. GEI specializes in environmental engineering, ecological, geotechnical, and civil design services. Since its founding in 1970, GEI has provided services for countless landmark horizontal and vertical construction projects including gaming casinos; commercial, institutional, and industrial buildings and structures; flood control and water storage, supply, and conveyance systems; tunnels, highways, roads, and bridges; coastal engineering; slurry walls, tiebacks, and excavation support systems, to name a few.

GEI is providing services related to the construction of an Indian Gaming Casino in eastern Massachusetts. GEI has performed the environmental due diligence that was included in the Draft Environmental Impact Report. GEI is also the geotechnical engineering consultant performing the subsurface investigations for both the on-site buildings and off-site highway improvement work (e.g., road widening, new on-off ramps) and will be providing foundation recommendations for the buildings, embankments, subslab drainage, bridge foundations, and retaining walls.

Recently, GEI worked at the River City Casino in St. Louis, MO. GEI was engaged by Case Foundation Company to provide a seismic analysis of the casino foundation and provide a Value-Engineered (VE) design of the proposed precast concrete parking garage. GEI's VE design consisted of 48-inch-diameter auger cast in place (ACP) piles. To the best of GEI's knowledge, this was the first time 48-inch ACPs had ever been used in the United States.

In addition, Mr. Varoujan Hagopian, GEI's coastal design leader, has experience preparing comprehensive master plans for resorts featuring hotels, casinos, and amenities such as marinas, restaurants, and recreational activities. His experience includes the management of multidisciplinary teams of planners, architects, landscape architects, engineers, market analysts, and financial specialists working together to develop the master plans. Following the completion of the master plan, the team typically helps the developer secure land options (if not already done) and begins the environmental and political approval process. Developing resorts is a complicated process that requires an understanding of the various controlling issues. Mr. Hagopian has worked with communities that will be affected by this type of development to assist in addressing their concerns. Some of Mr. Hagopian's notable projects include: 5 C's of Aruba; Ginoza Casino and Resort on the island of Ginoza, Japan; several sites on the Gran Canaria island of the Canary Islands; two resort developments on the Red Sea in Egypt; several resorts on mainland Japan; and many others in Cyprus, Africa, and Italy.

Through the years, GEI has achieved a strong reputation as an infrastructure expert. That reputation is founded on GEI's extensive experience with major infrastructure projects, working with public agencies, working directly for infrastructure contractors as their design engineer, working as part of Design-Build teams, and its role on many projects in evaluating performance issues and developing sound, cost-effective solutions.

GEI has provided geotechnical engineering consulting for countless projects. Types of services related to infrastructure projects include earthwork; embankments, retaining walls, and cut slopes; deep foundation design for bridges and elevated structures; ground improvement and soft ground construction design; seismic evaluations; and civil and geological support services.

GEI has completed thousands of environmental and ecological consulting and engineering projects for clients throughout the United States. GEI's scientists work closely with client and regulatory agencies to develop innovative solutions to challenging issues and regulatory requirements. The firm offers a variety of compliance and process-related services as well as remedial design and construction oversight for

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contaminated sites. GEI also performs ecological services to measure the potential impacts of human activities, such as infrastructure construction, mining, wastewater discharges, non-point source effects, and spills.

For example, GEI was retained by National Grid and Long Island Power Authority to assist with environmental planning and design tasks for various infrastructure improvement projects throughout lower New York. This effort has included wetland delineations, permit applications (New York State Department of Environmental Conservation, New York Department of State, and United States Army Corps of Engineers), restoration plan design, threatened and endangered species investigations, ecological corridor studies, and GIS mapping for numerous complex projects.

### ***2. EcolSciences, Inc.***

75 Fleetwood Drive, Suite 250  
Rockaway, NJ 07866

EcolSciences, Inc., was founded in 1973 in response to the growing need for responsible environmental planning, as mandated by the National Environmental Policy Act (NEPA). EcolSciences specializes in performing environmental investigations relating to permit acquisition and regulatory compliance, demonstration of "due diligence," waste management, impact analysis, mitigation, and remediation. EcolSciences' strength is a proficiency in current environmental and waste management laws, regulations, and policies, coupled with a practical problem-solving approach to analyzing the environmental consequences of projects.

During its 41 years under the same management, EcolSciences has successfully completed more than 10,000 studies for private, quasi-public, and public clients. Over the years, EcolSciences has been awarded a number of "Mission Contracts" wherein it has worked as a surrogate to the United States Environmental Protection Agency (U.S. EPA) in preparing EPA Environmental Impact Statements in Region II, Region III, and Region V. In addition, EcolSciences was contracted to provide training on the regulatory process associated with NEPA to U.S. EPA employees and State Environmental Agency employees in all ten U.S. EPA regions. Personnel involved in that work remain part of the EcolSciences' team.

EcolSciences has represented many of the country's leading industries, corporations, developers, and financial institutions including AT&T, American Cyanamid Company, Lucent Technologies, Merck, Johnson & Johnson, Hartz Mountain Industries, Exxon, K. Hovnanian Companies, Roseland Property Company, Trammell Crow Company, Principal Real Estate Investors, PNC Bank, The Bank of New York, and JP Morgan Chase. Among the many utilities that EcolSciences has served are Jersey Central Power & Light, New Jersey Natural Gas Company, Verizon Wireless, Sprint, Elizabethtown Gas Company, Essex and Hudson County Improvement Authorities, Ocean County Utilities Authority, and numerous municipal utility authorities. Representative government agency clients, in addition to the U.S. EPA, include the New York City Economic Development Corporation, New York City Department of Design and Construction, and New York City Department of Sanitation.

EcolSciences' interdisciplinary staff—including environmental engineers, geologists, biologists, and scientists—has extensive experience in a diversity of studies related to biological assessment and toxic and hazardous materials management. EcolSciences has performed environmental assessments and has acquired appropriate permits and approvals under a wide variety of federal, state, regional, and local jurisdictions. These include, but are not limited to: Federal Section 404 and Section 10 authorizations; New York State Environmental Quality Review Act (SEQRA) and City Environmental Quality Review (CEQR) approvals; New Jersey Coastal Areas Facilities Act (CAFRA), Waterfront Development, and Freshwater Wetlands Protection Act permits (both general and individual); New Jersey Pinelands Commission certifications; Hackensack Meadowlands Development Commission (HMDC) approvals; and Delaware & Raritan Canal Commission approvals. EcolSciences' senior staff also is experienced in the delivery of expert testimony, having testified in public hearings and Administrative Law proceedings and before county, regional, and municipal planning boards.

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The ecological/biological staff of EcolSciences has conducted more than 5,000 wetland delineations and environmental assessments throughout the eastern and central United States. The firm's staff is skilled in all technical aspects of wetland identification and delineation methodologies established by the U.S. Army Corps of Engineers (COE), Fish and Wildlife Service (FWS), EPA, and Soil Conservation Service; the assessment of wetland functions and values using techniques such as the Habitat Evaluation Procedure (HEP), Wetland Evaluation Technique (WET), and Indicator Valuation Method (IVA); the assessment of development-related wetland impacts; the acquisition of wetland permits; and the development and implementation of mitigation plans.

Key members of EcolSciences' staff are certified as Professional Wetland Scientists and provisionally certified by the U.S. Army COE. Additionally, EcolSciences' biologists routinely perform specialized studies related to federally- and state-listed threatened and endangered plant and animal species, wildlife habitat surveys, and the assessment of development-related impacts. Five of EcolSciences' biologists are U.S. FWS qualified bog turtle surveyors and two are New Jersey Department of Environmental Protection qualified ornithologists. EcolSciences' staff also has published extensively on a wide variety of wildlife and wetland topics.

3. **Ecological Solutions, LLC**  
1248 Southford Road  
Southbury, CT 06488

Ecological Solutions, LLC, is an environmental consulting firm that has been providing premium professional services in support of the development of land and water resources for more than a decade. The success of Ecological Solutions is attributed to its focus on providing client satisfaction through effective project management, timeliness, and attention to detail within a cost efficient budget and its working relationships with federal, state, and local regulatory agencies throughout the Northeast.

Michael Nowicki, B.S., is a biologist and the principal in charge of all the firm's projects from the proposal stage to initiation of work through permitting. Mr. Nowicki has 26 years of experience in natural resources management. His wetlands experience includes wetland delineations; functional evaluations; federal, state, and local permitting; and mitigation and mitigation monitoring services. His natural resource management experience encompasses floral, faunal, and threatened/endangered species surveys—including New York State endangered and threatened plants, Blanding's Turtle, Bog Turtle, Karner Blue Butterfly, Timber Rattlesnake, Indiana Bat, Northern Cricket Frog, and Eastern Tiger Salamander; vegetative cover type description and mapping; pre-development site review; and pond and habitat restoration/creation. Mr. Nowicki's forest and woodland management experience includes forest tree survey and inventory; forest management plans for economic return, aesthetic, and safety considerations; and habitat for specific wildlife species.

In addition, Mr. Nowicki has more than two decades of experience conducting wildlife ecology field research. He has worked on large projects that include wolf, grizzly bear, and white-tailed deer studies as well as raptor surveys. He also serves as project manager and drafts Environmental Impact Statements; implements the New York SEQRA; drafts zoning ordinances, including aquifer and ridgeline protection; makes presentations to Village and Town planning and zoning boards; and reviews projects on behalf of private clients and municipalities.

4. **Maser Consulting P.A.**  
11 Bradhurst Avenue  
Hawthorne, NY 10532

Maser Consulting, P.A., is a privately owned, multi-disciplined engineering firm serving both the public and private sectors. The firm is headquartered in Red Bank, NJ. Richard M. Maser, P.E., P.P., CME, president and chief executive officer, established Maser Consulting in 1984. Throughout its history, the firm

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has consistently been recognized nationally by *Engineering News-Record (ENR)* as one of its “Top 500 Design Firms” and by *NJBIZ* magazine as one of “New Jersey’s Finest.”

Today, Maser Consulting employs more than 450 professionals throughout the east coast and has a nationally diversified project portfolio. Its proactive and responsive professionals provide clients with clear communication and coordination, cost-effective and efficient leadership, advanced technologies, and a comprehensive approach to projects from beginning to end.

Philip J. Grealy, Ph.D., P.E., brings to this assignment more than 35 years of experience in all aspects of transportation and traffic engineering. A licensed professional engineer in New York, New Jersey, Connecticut, Delaware, and Pennsylvania, he has served as project manager on a variety of transportation study, design, and research projects. Over the course of his career, he has completed thousands of traffic impact studies for both commercial and residential projects. Dr. Grealy also serves as a technical consultant for both private and municipal clients on transportation related issues and has extensive expertise in the use of state-of-the-art traffic engineering software packages. He is responsible for obtaining permits from the New York State Department of Transportation and other agencies. His current responsibilities include the overall project coordination, budgeting, cost control, and quality assurance for traffic and transportation services in Maser Consulting’s Westchester County (NY) office.

Our team also includes John T. Collins, Ph.D., P.E., who brings experience in all aspects of transportation and traffic engineering and has directed a variety of transportation studies and design efforts. In 1981, Dr. Collins formed John Collins Engineers, P.C., a firm specializing in providing transportation studies and design services for private commercial and residential developments. His firm was acquired by Maser Consulting, P.A. in 2012. Currently, Dr. Collins is professor and chairman of the engineering science and engineering technology programs at Westchester Community College. He also has served as adjunct associate professor in the graduate transportation engineering program at Manhattan College. Dr. Collins has appeared as an expert witness for numerous transportation projects throughout the United States.

### **5. The Louis Berger Group, Inc.**

48 Wall Street, 16<sup>th</sup> Floor  
New York, NY 10005

The Louis Berger Group, Inc. (Louis Berger), is a global consultancy that has a resource pool of more than 4,000 engineers, urban and regional planners, scientists, and program/construction managers. Founded in 1953, the company has built a reputation for providing high-quality, solutions-oriented staff capability to rapidly respond to client needs anywhere on the globe ([www.louisberger.com](http://www.louisberger.com)).

The firm has a global reputation for undertaking complex urban development and infrastructure projects as well as for advising governments on economic development initiatives. Among other relevant projects, Louis Berger has recently served as the independent engineer to either owners or investors on a number of resort and gaming developments in Latin America and the Caribbean.

The firm has a national reputation in the preparation of environmental impact statements (EISs), economic analyses, and eco-restoration studies. Louis Berger has held multiple nationwide EIS contracts with such agencies as the National Park Service, U.S. Army Corps of Engineers, and Federal Bureau of Prisons supporting these agencies’ development projects. Louis Berger is frequently retained by other agencies, such as the Federal Energy Regulatory Commission and the Surface Transportation Board, to provide EIS services for their licensing of developer projects. Following passage of the American Recovery and Reinvestment Act in 2009, Louis Berger’s economists were retained by the U.S. Army Corps of Engineers to develop an economic evaluation tool that enabled the Corps to assess the benefits of their ARRA expenditures.

Louis Berger is also recognized nationally for its development of procedures for assessing the indirect effects and cumulative impacts of proposed transportation projects, having published and applied guidance that is a standard reference by the U.S. Department of Transportation and the Transportation Research Board on these subjects. Louis Berger has been providing transportation engineering services to

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governmental agencies in and around Las Vegas and Reno, NV, for more than 25 years, one of the largest such practices in the state. This effort has involved the assessment and design of roadway, airport, and pedestrian improvements along corridors and at specific gaming complexes.

Louis Berger has worked in New York State for more than 25 years preparing EISs for state lead agencies and private developers. Among its notable projects in New York, the firm worked for the New York State Department of Transportation for more than 20 years on a series of development and infrastructure improvement projects at Stewart International Airport in Orange County, including the preparation of two EISs and permit applications that withstood legal challenge, and subsequent eco-restoration and environmental conditions monitoring work. Louis Berger provided economic and fiscal impact consulting services to the Oneida Nation for its Lands-into-Trust application to the Bureau of Indian Affairs.

Also of note with respect to Louis Berger's EIS capacity and capabilities is the series of EISs on which the firm worked during the 2000s to support the Lower Manhattan 9/11 recovery and redevelopment, the Bloomberg administration's rezoning initiatives, and the state's facilities development initiatives. During this period, Louis Berger was the prime EIS consultant on the Fulton Transit Center, New South Ferry Terminal, Harlem Hospital Expansion, New CUNY Applied Research Center, Mineola Intermodal Center, the Dutch Kills Rezoning, and the New Stapleton Waterfront Rezoning and Redevelopment. Moreover, Louis Berger is one of two firms hired by the State to prepare the World Trade Center Redevelopment EIS and was the principal representative of the joint venture that prepared the Goethals Bridge Replacement EIS. Finally, Louis Berger is the top-tier subconsultant on the team that prepared the EIS for the No. 7 Subway Extension–Far West Midtown Rezoning and Redevelopment Plan.

Louis Berger maintains offices in New York in New York City, Elmsford, and Albany. The firm's corporate headquarters is in Morristown, NJ.

Mr. Lawrence Pesesky, AICP, will be the principal-in-charge and primary contact at Louis Berger for this project. A senior vice president with Louis Berger, Mr. Pesesky specializes in analyzing the effects of transportation and development projects. He has 27 years of experience in preparing and managing EISs, permit applications, and related studies—often for large-scale and high-profile projects. In addition to understanding the technical methodological requirements of such studies, he is thoroughly familiar with the requirements of environmental laws, including the New York State Environmental Quality Review Act, the National Environmental Policy Act (NEPA), the Clean Air Act, and the Clean Water Act, among others.

Under Mr. Pesesky's leadership over the past 20 years, Louis Berger has produced cutting edge research and guidance for the Transportation Research Board Cooperative Research Programs, the Federal Highway Administration, and several states on topics such as environmental justice, community impact mitigation, context sensitive solutions, indirect effects and cumulative impacts, and environmental streamlining. For his efforts in advancing methods and processes for assessing indirect and cumulative impacts, he was designated a subject matter expert on the topics by the Center for Environmental Excellence by AASHTO, the American Association of State Highway and Transportation Officials.

### **6. C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.**

50 Century Hill Drive  
Latham, NY 12110

Founded in 1910, C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture, D.P.C. (C.T. Male) today has approximately 120 employees and offers services in the fields of civil engineering, building systems, energy, the environment, surveying, and land information services. The firm's headquarters is in Latham, NY with branch offices in Glens Falls, Highland, Johnstown, Red Hook, and Syracuse, NY, and Mechanicsburg, PA.

C.T. Male's professional staff combines a wide range of academic knowledge and project experience, enabling the firm to offer comprehensive interdisciplinary services.

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William J. Nettleton, PLS, is a project surveyor/manager responsible for a variety of commercial building projects and residential subdivisions and condominiums. His work entails the boundary and topographic survey prior to design as well as construction stakeout and preparation for dedications to the municipal government. Mr. Nettleton has extensive experience in route surveying involving the base mapping and preparation of easement maps and descriptions. Recently, a major component of his work has been environmental clean-up work in New York and Connecticut requiring boundary surveys, monitoring well surveys, and preparation of environmental land use restriction areas. A shareholder of the C.T. Male since 1988, Mr. Nettleton has an A.A.S. degree in Surveying and Forestry. In addition, he is professionally affiliated with the New York State Association of Professional Land Surveyors, Eastern New York Society of Land Surveyors (serving as vice president from 1985–1999), Vermont Society of Professional Land Surveyors, and Connecticut Association of Land Surveyors.

Eric E. Crampton, PLS, is a project surveyor responsible for utility route surveys, construction stakeout, boundary and topographic surveys, and residential and commercial property surveys. Since joining C.T. Male in 1978, he has held the positions of instrument operator, crew chief, survey technician, and his current position of assistant project surveyor. He specializes in large, complex boundary surveys and linear projects that require numerous easements. Mr. Crampton was a key participant in the surveys required for development of the Luther Forest Technology Corporation Economic Development Campus and GLOBALFOUNDRIES and their utility infrastructures in the Towns of Malta and Stillwater, NY. He has an A.A.S. degree in Surveying and Forestry and is professionally affiliated with New York State Association of Professional Land Surveyors and the Eastern New York Society of Land Surveyors (currently serving as treasurer and executive vice president from 2009–2012).

### **7. Hill-N-Dale Abstracters, Inc.**

20 Scotchtown Avenue  
P.O. Box 547  
Goshen, NY 10924

Hill-N-Dale Abstracters provides exceptional title insurance services to a variety of clients throughout New York's Hudson Valley region. It employs a full-time staff and brings on additional searchers and closers as needed for any given project.

John M. Wood is a senior partner and president of Hill-N-Dale Abstracters, Inc. He brings 28 years of title insurance experience to the closing table. As the major title agent in the Hudson Valley, he has provided title insurance on most industrial, commercial, and residential projects in the Orange County area. Hill-N-Dale Abstracters, Inc.'s clients consist of attorneys, credit unions, local and national banks, local and national developers, and municipalities.

### **8. Cairone and Kaupp, Inc.**

1118 E. Columbia Avenue  
Philadelphia, PA 19125-4206

Cairone and Kaupp, Inc. was founded in Atlantic City, NJ, in 1979 under the guiding principle that landscape architects and civil engineers could synthesize their common professional goals and values in the interest of providing truly integrated site design solutions. This approach has resulted in an enduring collection of built works presently spanning 15 states. Cairone and Kaupp's services include feasibility studies, site programming and site planning, design development, construction documentation, and construction phase services. The firm serves a diverse list of public and private sector clients, including the federal government.

More than three decades ago, Joe Cairone and Butch Kaupp combined their talents in the pursuit of designing projects that supported their natural context as well as their clients' desires. What resulted from

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their cumulative efforts is enduring places and lasting relationships. The two are continually energized by the dynamic interplay that unfolds throughout each project. Throughout the years, the firm has intentionally been maintained at a size that allows for regular interaction with its employees, clients, and consultants.

With nearly 40 years of professional experience, Joseph Cairone believes that landscape architects should be knowledgeable in all aspects of a project—from conceptualization to implementation. This philosophy was informed by his involvement in a family-owned construction company prior to receiving his undergraduate education in landscape architecture and undertaking MLA coursework. Mr. Cairone’s responsibilities as a design principal have involved extensive travel along the Northeastern seaboard and Gulf Coasts associated with diverse project types. Informed by such travelling, his approach to design lies in the respect of natural systems and native habitats and investigating methods to incorporate these characteristics into the built environment.

Mr. Cairone’s noteworthy projects include Revel Resort & Casino (Atlantic City, NJ), MGM/Foxwoods (Ledyard, CT), Washington Crossing National Cemetery (Washington Crossing, PA), Cooper University Hospital Campus (Camden, NJ), and Philadelphia Parks & Playgrounds. He is a Registered Landscape Architect in seven states, including Connecticut, Delaware, Mississippi, Missouri, New Jersey, New York, and Pennsylvania. He is also a member of the American Society of Landscape Architects.

### **9. Environmental Solutions & Innovations, Inc.**

1153 W. Fayette Street, Suite 1-C  
Syracuse, NY 13204

Environmental Solutions & Innovations, Inc. (ESI) provides a broad range of environmental consulting services with a primary focus in the natural resources arena. Serving clients in a variety of industries, the firm combines field expertise with scientific acumen and a comprehensive understanding of the regulatory framework to provide exceptional service and real solutions to complex problems. ([www.envsi.com](http://www.envsi.com))

With 22 individuals on its federal permit to complete endangered bat surveys, ESI may have more personnel permitted for the survey of endangered bats than any other entity in the U.S. Many of the firm’s bat biologists have completed their graduate studies on the endangered Indiana bat and other species with which the Indiana bat is found, including the Northern bat. ESI’s staff has produced numerous peer-reviewed publications on bats, including federally listed species and the soon-to-be-listed Northern bat. Dr. Virgil Brack, the firm’s principal scientist and CEO, was on the U.S. Fish and Wildlife Service (U.S. FWS) recovery team for the endangered Indiana bat. Dr. Brack was also a designated recovery plan reviewer by the recovery teams for the gray and Virginia big-eared bats.

ESI has completed hundreds of surveys for thousands of miles of electric, pipeline, and roadway corridor and on areal projects across the ranges of the Indiana and Northern bats. Although mist netting has been the standard survey technique for bats for the 40 years since the Indiana bat was listed as endangered, current survey techniques have evolved to incorporate the use of bat detectors—devices that can hear and record the ultrasonic sounds made by bats, which can be used for species recognition. This technique also routinely requires the use of mist nets and telemetry studies. During telemetry studies, bats captured in mist nets are tagged with a radio transmitter, and receivers are used to locate the tagged bat to learn about and understand the habitat in the area where it lives. ESI has completed innumerable projects using each of these techniques.

ESI’s expertise in acoustic surveys goes well beyond requirements of the 2014 U.S. FWS protocol. The firm’s technical staff includes several biologists with more than a decade of experience with surveys. In the past 5 years, ESI has completed numerous projects across the ranges of the Indiana and Northern Bats including work in Alabama, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Missouri, New Jersey, New York, Ohio, Pennsylvania, Tennessee, West Virginia, and Virginia.

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U.S. FWS guidelines call for a basic training course for individuals who will select and place bat detectors in the field. At present, 12 ESI staff members have this training and each has participated in studies accepted by U.S. FWS.

Unfortunately, all available software packages have the potential to produce false-positives. In most cases, these issues can be readily addressed if the call is analyzed by a qualified expert. ESI not only has the expertise to conduct this analysis, but it also has the professional respect of the scientific communities required to back up that assessment with U.S. FWS, should it be necessary.

ESI maintains offices in Syracuse, NY, Indianapolis, IN, and Orlando, FL; its corporate headquarters is in Cincinnati, OH.

### **10. Lanc & Tully Engineering and Surveying, P.C.**

P.O. Box 687  
Goshen, NY 10924

Lanc & Tully Engineering and Surveying, P.C., is a consulting firm specializing in civil engineering and land surveying—including both private land development and municipal engineering design services. The firm is located within the Town of Hamptonburgh in Orange County, NY. While Lanc & Tully P.C. was founded in 1985, both of its original principals have worked in the Hudson Valley area for more than 35 years.

In 2004, Lanc & Tully P.C. admitted four additional partners to the firm. Lanc & Tully, P.C. currently has approximately 30 employees, including eight licensed professional engineers, three licensed land surveyors, one licensed professional planner, staff engineers, several engineering and surveying technicians, CAD designers, GIS specialists, construction observers, drafters, and survey field crews.

The firm currently provides municipal engineering services to the Towns of Hamptonburgh and Wawarsing; the Villages of Goshen, Monroe, Harriman, Montgomery, Walden, and Unionville; and the City of Beacon, NY. Lanc & Tully P.C. also currently serves as consulting engineer for the Moodna Basin Joint Operations and Maintenance Commission. The firm has acted as consultants for the Towns of Newburgh, Blooming Grove, East Fishkill, Chester, Montgomery, and Wallkill, NY; the City of Middletown, NY; and the County of Orange, NY, for which they designed the site plan for the current Orange County Jail. In 2010, Lanc & Tully P.C. designed the site layout and public utilities for the Orange Regional Medical Center, a new hospital in the Town of Wallkill. The firm also recently designed the site layout and public utilities for Mediacom, a new 110,000-square-foot commercial office building in the Town of Blooming Grove, NY.

The firm's municipal engineering services include: public water supply treatment and distribution system planning and engineering; wastewater treatment plant and collection system planning and engineering; park and recreation facility planning and engineering; storm water management system planning and engineering; transportation planning and engineering; road evaluation and rehabilitation planning and engineering; land planning and site plan design; ms4 program permitting and compliance; environmental permitting and compliance; grant application preparation; planning board consultation; building evaluation and design; building department consultation services with code enforcement; construction supervision and observation; and land surveying including GPS/GIS.

Lanc & Tully P.C.'s services also include the design of upgrades to water and wastewater treatment facilities, inflow and infiltration (I & I) evaluations and studies, annual water quality reporting, development of contract documents for proposed public improvement projects, and various other services necessary for municipal operations. The firm's staff coordinates with municipal system operators and employees of all departments to provide assistance in completing necessary documentation, forms, applications, grant writing, and coordination with state and federal agencies regarding permitting.

Rodney C. Knowlton is a Professional Land Surveyor in New York State. A vice president at Lanc & Tully since 2009, a partner since 2004, and a survey department manager since 1993, Mr. Knowlton is responsible for the supervision of field and office survey personnel. His duties include preparation of cost estimates and proposals; coordination and scheduling of survey jobs; review of field work, office



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calculations, boundary determinations, legal descriptions, real-time differential GPS surveys, and mapping prepared by survey personnel; ordering of survey equipment needed by the department; and troubleshooting of boundary disputes and client concerns. Mr. Knowlton's additional responsibilities include performing both office and field tasks as required during the course of the boundary, topographic, construction, and subdivision projects. He served as a surveying technician at Lanc & Tully from 1987 to 1993. Mr. Knowlton has a B.S. in Physics and Astronomy from Bates College. He is a member of the New York State Association of Professional Land Surveyors, the Delaware-Hudson Land Surveyors Association, the American Congress on Surveying and Mapping, and the National Society of Professional Surveyors.

### **11. Philip Habib & Associates, P.E., P.C.**

102 Madison Avenue  
New York, NY 10016

Philip Habib & Associates, P.E., P.C. (PHA) is a 40-person consulting engineering firm specializing in civil and traffic engineering, transportation planning, environmental studies, and construction support services and inspection. The firm was established in 1989 in New York City, and its focus remains predominantly on New York State projects. As a small firm, PHA offers a customized approach to each of its clients, with a high level of expertise in New York-area planning and engineering issues. The firm is certified as a WBE by the New York City Department of Business Services and New York State Department of Economic Development.

Over the past 25 years, PHA has been involved in the planning and design of the metropolitan area's most notable development projects. These have included major multi-acre developments, gaming projects, parks, residential developments, commercial developments, transportation facilities, freight distribution centers, hospitals, universities, and various public infrastructure projects.

Additionally, PHA provides transportation planning and traffic engineering services for site/master planning efforts as well as for environmental review of proposed projects. The firm's transportation planning services include traffic studies, parking planning, transit and pedestrian analysis, bicycle paths, and ferry operations/terminal planning. PHA also provides civil engineering design services for both the private and public sectors. The firm has provided site civil services for numerous waterfront development sites as well as projects with sustainable design features. PHA's site civil services include preliminary site analysis, construction phasing, site access, site grading, streets, utilities, and preparation of complete contract documents.

Philip Habib, P.E., principal, has more than 35 years of experience in planning, civil engineering, and traffic engineering for government agencies and the private sector. He led the transportation planning efforts for the Resorts World Casino at Aqueduct Race Track during the initial traffic study stages and, more recently, in the follow-up studies related to the expansion of VLT seats.

Dr. Habib also led major project-team efforts on the following projects: transportation planning and site engineering for the Trump Organization's Riverside South project in Manhattan; site engineering, traffic engineering, and transportation planning for the Ridge Hill development in Yonkers as well as the MetroTech, Atlantic Center, and Atlantic Yards/Barclay's Center developments in Downtown Brooklyn; and transportation planning and analysis for the 5-mile-long Hudson River Park and for the Time Warner Center in Manhattan.

In addition, Dr. Habib has managed numerous environmental and planning projects, including EISs for the Police Academy, Public Safety Answering Center, West Chelsea/High Line Rezoning, West Harlem Rezoning, Environmental Assessment (EA)/EIS for the Willis Avenue Bridge Replacement as well as the EA for the Whitehall Ferry Terminal and the EA for St. George Ferry Terminal. He managed the master planning efforts for Lincoln Center in Manhattan. Dr. Habib designed a new interchange on the Shore Parkway for the Gateway Estates development, prepared functional design for access improvements to the

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new Whitehall Ferry Terminal in Manhattan, and provided designs for the new cruise terminal at Pier 12 in Brooklyn.

He also has developed parking plans for numerous projects and clients, including garages at Atlantic Center, Time Warner Center, MetroTech, Riverside South, and the Woolworth Building. During these efforts, Dr. Habib supervised technical analyses in a wide range of transportation-related disciplines, including travel demand forecasting, traffic simulations, traffic calming, marine transportation, terminal planning and design, and pedestrian analyses. His role has included extensive coordination with numerous city and state agencies, and presentations before local community boards, the City Planning Commission, and other public entities.

### **12. Kimley-Horn of New York, P.C.**

30 Broad Street, 40<sup>th</sup> Floor  
New York, NY 10004-2304

Kimley-Horn of New York, P.C. is a multidisciplinary engineering consulting firm, supported by Kimley-Horn and Associates, Inc., offering services to national and international clients in the public and private sectors. Kimley-Horn's team works together nationally to provide its clients with the best services and expertise necessary for their projects. The firm's commitment to client service has enabled Kimley-Horn to become one of the premier land development consulting firms in the nation.

Kimley-Horn has provided planning, permitting, and engineering services to casino and resort clients for more than 30 years. From the prestigious Breakers Hotel in Palm Beach to Caesars Palace in Las Vegas, Hyatt, Hilton, Marriott, and others have benefited from Kimley-Horn's expertise. A multidisciplinary firm, Kimley-Horn has assisted in every phase of project development, from site evaluation and selection to construction observation. Beyond the standard scope of site engineering services—such as roadway, utility, and water/waste water system design—the firm also provides specialists in urban planning, environmental sciences, traffic engineering, parking structure design, marine facilities, storm water management, air quality, and noise control systems.

Kimley-Horn's engineering and planning professionals have worked across the country and internationally, bringing more than 30 years of industry experience to its private development projects. The firm has worked on hundreds of casino projects. A representative list includes: Bellagio Hotel and Casino, Las Vegas, NV; Blue Chip Casino Five-Year Master Plan and Implementation, Michigan City, IN; Caesars Palace Hotel and Casino, multiple projects, Las Vegas, NV; Circus Circus Hotel and Casino, multiple projects, Las Vegas, NV; Detroit Gaming Project, Detroit, MI; Harrah's Hotel and Casino, Las Vegas, NV; Harrah's Rincon, multiple projects, Valley Center, CA; Las Vegas Hilton Hotel and Casino, Las Vegas, NV; Luxor Hotel and Casino, Las Vegas, NV; M Resort, Henderson, NV; MGM Grand Hotel and Casino, Las Vegas, NV; New York/New York Hotel Casino, Las Vegas, NV; Pala Casino Spa Resort, Pala, CA.; Palmas Del Mar Resort and Casino, Puerto Rico; Paris Las Vegas Hotel and Casino, Las Vegas, NV; Rio Hotel/Casino, multiple projects, Las Vegas, NV; River Palms Resort Casino, Laughlin, NV; River Palms River Walk, Laughlin, NV; Riviera Hotel and Casino South Drive, Las Vegas, NV; Salt River Pima-Maricopa Indian Reservation Casino, multiple projects, Maricopa County, AZ; The Hyatt Hotel and Casino at Lake Las Vegas, Henderson, NV; The Mirage Hotel and Casino and Convention Center, multiple locations, Las Vegas, NV; and Tropicana Resort and Casino, multiple projects, Las Vegas, NV.

### **13. Steelman Partners, LLC**

3330 West Desert Inn Road  
Las Vegas, NV 89102

Steeleman Partners, based in Las Vegas, Nevada, is an international architectural firm specializing in the multi-disciplinary facets of entertainment architecture, interior design, branding, graphic design,

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planning, theater design, 3D design, and lighting. The company has offices in Macau, Zhuhai, Ho Chi Minh City, and Amsterdam.

Established in 1987, Steelman Partners has positioned itself as the leading entertainment architecture firm. The company is well known within the gaming and hospitality industries with a client list that includes Resorts World/Genting, Galaxy Entertainment, MGM, Mirage Resorts, Cantor Gaming, Harrah's, Wynn, Venetian/LVS, Lady Luck, Swiss Casinos, Sheraton, Hyatt, Plaza/El-Ad, Crown SDJM, Melco, Caesars, Station Casinos, plus many others. Steelman Partners is comprised of the industry's most talented and acclaimed architects, designers, planners, and artists—resulting in work that is world renowned, remarkable, and memorable.

Crafting exemplary casino/resort designs for an ever-increasing global market, Steelman Partners has designed well over 3,000 projects worldwide, including the most successful casino in the world, the Sands Macau—the first Las Vegas style casino in the People's Republic of China. This project returned 100 percent of its investment to the owners within 10 months. The Sands Macau was designed and constructed in record time, with a cost around \$240,000,000 USD. It returned to the investor \$1,400,000,000 USD in only 42 months.

The firm derives direction from its chief executive officer, Paul Steelman, who began his architectural career in 1977. While working in the public sector on the Atlantic City Master Plan, Mr. Steelman realized that entertainment architecture was going to be his field of practice and expertise. He began working as an architect with Steve Wynn for approximately 10 years, during which he was involved with projects such as The Golden Nugget in Atlantic City and Las Vegas as well as the Mirage.

Steelman Partners has been ranked the 37th largest architectural firm in the world by *Building Design* magazine (January 2010) and the 56th largest architectural firm by *Architectural Record* (June 2011).

Due to its success, Steelman Partners has been featured in numerous reputable publications, including an article aptly titled "Designing for Dough" in *Forbes* (May 2006). Mr. Steelman also was included in the movie *Oceans 13* DVD extra titled the "Opulent Illusion," which takes an in-depth look at casino design.

### **14. D'AMATO Builders + Advisors, LLC**

40 Connecticut Avenue  
Norwich, CT 06360

D'AMATO Builders + Advisors, LLC (DB+A) is a privately held company specifically created to provide construction management, design-build, general contracting, construction consulting services, and property management. DB+A's management team is comprised of recognized leaders in the construction industry. DB+A was founded in 2005, when Michael J. D'Amato decided to establish his own company based on the principles of integrity, honesty, and client service.

DB+A has created an efficient, streamlined construction management style, the core of which is continuity. A single project manager handles each project from estimating to completion. This approach provides clients with a single point of contact, allowing projects to flow seamlessly from pre-construction through equipment start-up.

The company employs construction professionals in technical, administrative, and field supervisory positions providing a full range of pre-construction and construction services. DB+A's staff have been involved in projects of every classification. Combining the extensive, diverse experience of its employees with strong internal controls and project management systems, the DB+A team provides each client with the highest level of professional service and delivers the best quality project within budget and on schedule.

DB+A's employees have built a reputation for being responsive to their clients. Outstanding dependability, construction experience, and commitment to quality and safety distinguishes DB+A employees as recognized industry leaders. Their reputation and dedication to excellence provides DB+A's

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clients with complete confidence that their needs will be satisfied. Working closely with their clients, DB+A employees clearly define objectives and responsibilities to minimize risk and become a productive partner in the successful completion of each project.

The principles on which DB+A was founded and its attention and commitment to each project is what distinguishes DB+A from other construction companies and industry consultants.

DB+A employees have been working in the construction industry for more than 30 years. Since that time, they have completed more than \$2 billion in construction projects. DB+A has provided construction services for notable clients such as the Mashantucket Pequot Tribal Nation–Foxwoods Resort Casino, Seneca Niagara Casino, Downstream Casino, Remington Park Casino, Gila River Casino Resort, Mohegan Sun Casino, and Resorts World Casino New York and Bimini.

Helping its clients meet the challenges of their construction projects in a timely and cost-effective manner is the firm's primary objective. DB+A offers comprehensive construction services specifically designed to meet the technical aspects of each project.

DB+A places the needs of its clients first in its approach to construction management, offering a skilled team of professionals with decades of construction experience.

Finally, DB+A sets stringent safety standards on all its project work sites. To support these standards, DB+A provides its employees ongoing safety training. These programs improve project performance through heightened awareness, reduced schedule disruptions, and minimal claims liability. DB+A employees also have completed a minimum 10-hour OSHA certification. DB+A maintains a current EMR of .86.

### **15. Arquitectonica**

100 Fifth Avenue, 10th Floor  
New York, NY 10011

Arquitectonica is an architecture, interior design, and planning firm that began in Miami in 1977 as an experimental studio. Led by Bernardo Fort-Brescia and Laurinda Spear, the studio has evolved into a world-wide practice, combining the creative spirit of the principals with the efficiency of delivery and reliability of a major architectural firm.

Today Arquitectonica has a practice across the United States directed from regional offices in Miami, New York, and Los Angeles. Arquitectonica's international practice is supported by a European regional office in Paris; Asian regional offices in Hong Kong, Shanghai, and Manila; the Middle East regional office in Dubai; and Latin American regional offices in Lima and São Paulo.

Since its founding in 1977, Arquitectonica has won numerous American Institute of Architects and Progressive Architecture Design Awards. The firm has been named the AIA Florida Firm of the Year, and in testimony to the longevity of the firm's work, Arquitectonica won the AIA Test of Time Award for the Banco de Credito Headquarters, The Atlantis condominium and the Pink House. Arquitectonica has won more than 200 total awards for its iconic designs. The firm's work has been featured in more than 5,000 national and international publications such as Time, Newsweek, Life, Fortune, and Business Week, as well as numerous professional journals, such as Architectural Record, Progressive Architecture, Architectural Design, Domus, Global Architecture, L'Architecture D'aujourd'hui, Abitare, and Häuser.

Arquitectonica's work spans several continents, from projects such as schools and universities, resorts and casinos, hotels, luxury condominium towers, retail centers, and office buildings to specialized projects such as a U.S. Embassy, opera house/symphony halls, museums, courthouses, multipurpose arenas and convention centers, airports and transportation centers, television studios, and several bank headquarters.