

SITE + CIVIL ENGINEERING



McLaren
ENGINEERING GROUP



McLaren Engineering Group
Ph. 1-800-420-6401

49
STATES
LICENSED

20k+
PROJECTS
COMPLETED

45
YEARS OF
APPLIED INGENUITY

11
OFFICES
WORLDWIDE



About Us

McLaren Engineering Group is a leading full-service engineering firm renowned for its trusted, high quality, and innovative approach to solving complex challenges. With industry experts in multiple technical disciplines, our team has provided customized solutions for over 20,000 projects through consultation, design, inspection, and construction management. With over four decades of experience, a staff of 200+, and 11 offices worldwide, McLaren addresses every project's specific needs with technical excellence and creative innovation.



DAWSON BLOOM, PE
Vice President - Civil Engineering

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Core Technical Divisions

STRUCTURAL | CIVIL + SITE | MARINE + COASTAL | BRIDGE, HIGHWAY + RAIL
ENTERTAINMENT | GEOTECHNICAL | FACADE + BUILDING ENVELOPE
CONSTRUCTION ENGINEERING | FORENSICS | SURVEY + MAPPING



SITE + CIVIL ENGINEERING

Civil engineering play an integral role in bringing public and private developments to life. From pre-development and due diligence studies, to remediation and construction phase, McLaren delivers innovative land solutions throughout the entitlement and building process.

Whether for the development of land or for improvements to public infrastructure, our civil and geotechnical engineers, environmental professionals, and permitting specialists work to develop site plans and engineering designs, obtain land use approvals and environmental permits, and provide engineering support, and inspection services for projects of every size, shape, scope, and complexity.

In addition to technical expertise, we understand the complex regulatory and environmental requirements to ensure that project goals are met on time and within budget.

SITE + LAND DEVELOPMENT

WATER RESOURCE
MANAGEMENT

ROADS + INFRASTRUCTURE

GEOTECHNICAL
ENGINEERING

MUNICIPAL ENGINEERING

SUSTAINABLE SOLUTIONS

www.mgmclaren.com

DUE DILIGENCE AND CONCEPT
STUDIES

SITE PLANNING + LAYOUT

GRADING DESIGN

STORMWATER MANAGEMENT
INCLUDING GREEN
INFRASTRUCTURE

LANDSCAPE DESIGN

PARK, PLAYGROUND + TRAIL
DESIGN

SITE LIGHTING DESIGN

DAM, CULVERT + RESERVOIR
DESIGN

PARKING AREA DESIGN

ABOVE + UNDERGROUND UTILITY
DESIGN

PERMIT ACQUISITIONING

REGULATORY COMPLIANCE

SURVEY + MAPPING

SITE + LAND DEVELOPMENT

Site planning and development are crucial first steps towards transforming any space into a valuable resource. Our civil engineers can guide the processes to ensure effective, compliant, and economical solutions from pre-development studies to permitting, analysis to design, and layout.



White Plains Hospital Campus Streetscape
Improvements & Master Planning

APPLIED INGENUITY



MERCY COLLEGE CAMPUS
PUBLIC-PRIVATE TRAIN STATION WALKWAY



FORMULA E RACE TRACK



MECHANICSVILLE VOLUNTEER FIRE DEPARTMENT,
SITE DESIGN & BUILDING ADDITION



MAYBROOK TRAILWAY DESIGN-BUILD



JESSE OWENS PLAYGROUND



WEST SIDE PARKING LOT

STORMWATER MANAGEMENT
DESIGN

GREEN INFRASTRUCTURE

HYDROLOGIC AND HYDRAULIC
STUDIES

ENVIRONMENTAL PERMITTING

EROSION + SEDIMENT CONTROL
DESIGN

FEMA / FLOOD PLAIN IMPACT
STUDIES

SLOPE STABILITY ANALYSIS

RIPRAP STABILIZATION DESIGN

WATER RESOURCE MANAGEMENT

McLaren's civil group offers a complete range of specialized water resource management services. Several of our projects are multi-disciplinary in conjunction with our in-house marine engineers, bridge engineers and survey teams. Our innovative solutions address challenges ranging from stream restoration, flood control, bridge replacement, erosion and sediment control, scour analysis, and countermeasure design.

Underground Stormwater Detention/Retention and Water Quality
Facility at Live! Casino & Hotel

APPLIED INGENUITY



QUASPECK PARK DRAINAGE
IMPROVEMENTS



STORMWATER MANAGEMENT FACILITIES



THE WARTBURG
STORMWATER MANAGEMENT



CENTRAL NYACK DAM



SAWMILL RIVER DAYLIGHTING



FOUNTAIN OF THE FAIRS RESTORATION

MASTER PLANNING

MOBILITY PLANS

WORK ZONE TRAFFIC CONTROL
PLANS

GEOMETRIC DESIGN OF
HIGHWAYS AND ROADWAYS

ACCESSIBILITY DESIGN

STREETScape ENHANCEMENTS

TRAFFIC STUDIES + ANALYSIS

TRAFFIC SIGNAL AND GEOMETRIC
DESIGN

DRAINAGE SOLUTIONS

ROADWAY AND TUNNEL
LIGHTING DESIGN

ROADS + INFRASTRUCTURE

The construction, maintenance, and rehabilitation of roads and infrastructure is a crucial component for many public entities and transportation systems nationwide. From large scale multi-lane highway construction and bridge replacements, to local intersection improvements and traffic studies, our team provides a safe, innovative, and functional approach.

Diverging Diamond



APPLIED INGENUITY



NEWARK DOWNTOWN STREETScape



YONKERS CASHLESS TOLL



HUNGRY HOLLOW BRIDGE REPLACEMENT



I 95 HIGHWAY SIGNAGE



SEdge & MACE ROAD CONSTRUCTION



CITY OF LAUREL ON-CALL

FOUNDATION + EARTHWORK
DESIGN

SOILS TESTING + ANALYSIS

FEASIBILITY STUDIES

FORENSIC INVESTIGATION

RETAINING WALL DESIGN +
IMPROVEMENTS

SLOPE STABILITY

SUPPORT OF EXCAVATION

GROUNDWATER
INVESTIGATIONS

OVERHEAD SIGN STRUCTURES

SEPTIC DESIGN + SAMPLING

GEOTECHNICAL ENGINEERING

McLaren's geotechnical engineers specialize in analyzing the behavior of earthen materials and how they interact with man-made elements such as foundations, flatwork, and pipelines. Our experts use principles of soil mechanics and rock mechanics to investigate and assess risks posed by conditions, design earthworks and structural foundations, and provide viable site solutions



95 Walsh Retaining Wall

APPLIED INGENUITY



REGION 8 BUNDLED BRIDGES



FOUNDATION ENGINEERING



GEO THERMAL DRILLING



VAN SINDEREN EXCAVATION



HACKLEY SCHOOL FIELD



PILE TESTING

TRANSPORTATION +
MAINTENANCE FACILITIES

PARKS, PLAYGROUNDS + PATHS

ROADWAYS, SIDEWALKS +
INFRASTRUCTURE

SCHOOLS + LEARNING
INSTITUTIONS

HOUSING COMPLEXES

COMFORT + RECREATION
STATIONS

CULVERTS, DAMS + BRIDGES

FERRY TERMINALS + WATERFRONT
FACILITIES

PARKING GARAGES + LOTS

ABOVE + UNDERGROUND UTILITIES

MUNICIPAL ENGINEERING

With a diverse staff of civil engineers, structural engineers, bridge/highway/roadway engineers, surveyors, projects managers, and construction engineers our team can support any municipal project from conception to completion. Our expertise includes planning, design, permitting and improvements for:



APPLIED INGENUITY



NYACK SIDEWALK IMPROVEMENTS



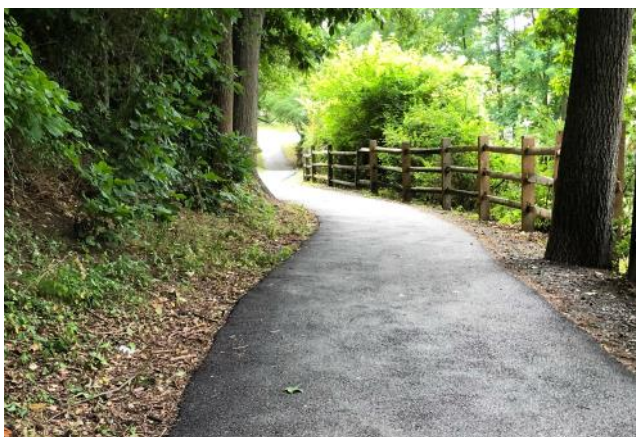
BATTERY PARK PERIMETER RECONSTRUCTION



FRANKLIN MIDDLE SCHOOL FIELD



AMOTT CULVERT



CITY OF LAUREL TRAIL



TEACHERS VILLAGE DEVELOPMENT

ENVIRONMENTAL SITE
ASSESSMENTS

SITE INVESTIGATION +
REMEDIATION

HYDROGEOLOGY +
GROUNDWATER MODELING

PERMITTING + COMPLIANCE

GREEN INFRASTRUCTURE +
SUSTAINABLE DESIGN

SUSTAINABLE SOLUTIONS

Our coordinated team of multidisciplinary experts helps manage environmental liabilities, regulatory obligations, risk management, and green design solutions. Serving commercial and industrial clients, as well as community and economic development agencies to assess, remediate, and redevelop properties, Superfund, and Brownfield sites.

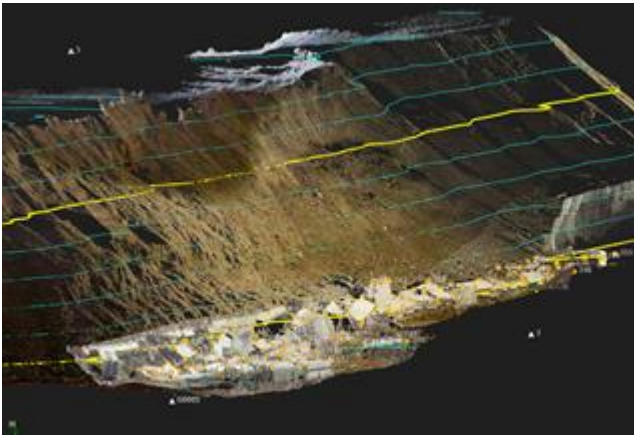
APPLIED INGENUITY



HAVERSTRAW COUNTY PARK RECYCLED
PLASTIC BRIDGE



TRANSMITTER PARK



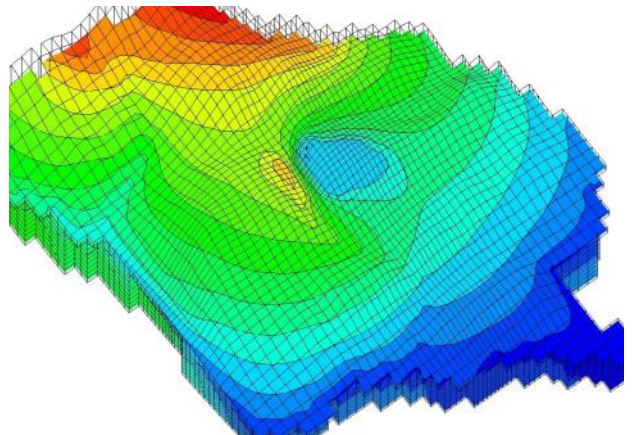
LIDAR LASER SCANNING



BIORETENTION



GREEN INFRASTRUCTURE (GI) DESIGN



GROUNDWATER MODELING



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