

Robson Forensic

Engineers, Architects, Scientists & Fire Investigators

ALAN E. MEADE, P.E.
Civil Engineer

Civil Engineering, Design, and Construction: Sewage treatment plants, water treatment plants, pumping stations, pipelines, office buildings, apartment buildings, houses, shopping malls, warehouses, stadiums, schools, manufacturing facilities, heavy industrial equipment, chemical facilities, laboratories, tunnels, train stations, bus garages, roadways, bridges, parking decks, dams, lagoons, docks, airports, mines, tunnels, heating systems, and ventilation.

Construction Engineering: Inspection, scheduling, construction management, asbestos investigation, maintenance of traffic, building demolition, site clearing, debris removal, site drainage, utility relocation, underpinning, new utility installation, geological investigation, shoring, excavating, underpinning, sheetpiling, foundation, tunnel, mine, scaffolding, ladders, steel, concrete, wood superstructure, roofing, exterior cladding, interior finishes, elevator, ventilation, steam heating, air conditioning, process equipment, manufacturing machinery, gas detectors, piping, instruments and controls, paving, bridging, ramps, decking, derricks, material hoists, construction equipment and related OSHA workplace safety requirements.

Accidents: In workplace, construction site, industrial, commercial, home, highway, marine, mine and mass transit. Due to fire, explosion, slip, fall, impaling, asphyxiation, drowning, crash, collapse, impact and crushing.

Building Failures: Roof collapse, excessive foundation settlement, floor/wall cracking, plumbing leakage, fire damage and equipment malfunction.

Equipment Mishaps: Construction machines, heavy industrial machines, forklifts, cranes, furnaces, air pollution control equipment, pumps, valves, piping, gas holders, blowers, fans, hoists, conveyors, ladders, elevators, escalators, furnaces, tanks, ventilation, instrumentation, and controls.

Maritime Mishaps: Piers, loading cranes, dock fenders.

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PROFESSIONAL EXPERIENCE

- 1995 to present **Robson Forensic, Inc.**
Manager - Southern New Jersey area. Provide technical services to attorneys, insurance companies and self-insureds in the areas of civil engineering, construction related injuries, industrial accidents, and engineering professional liability.
- 1977 to 1998 **Central Jersey Inspections, Inc.**
Inspected houses, apartment buildings, commercial structures and industrial installations for condition, safety and conformance with codes. Investigated building failures, foundation problems, structural distress and mechanical failures/insufficiencies. Evaluated conformance of building to NJ Uniform Construction Code, New York City Building Code, BOCA, OSHA and other construction and property maintenance standards.
- 1988 to 1995 **Schoor DePalma, Inc. (Engineers and Developers)**
Directed the demolition of old facilities and planning, permitting, engineering design and construction of new pumping stations, maintenance garages, roadways, sidewalks, and sewers. Site selection, facilities design, value engineering, bid package preparation, negotiated and executed agreements with construction contractors, construction quality control, scheduling, performance tracking, safety monitoring (OSHA), facilities start-up, testing and training of operating personnel.
- 1995 **URS Corporation (Consulting Engineers)**
Managed the design of stormwater pollution control plants.
- 1984 to 1988 **Hazen & Sawyer, P.C. (Consulting Engineers)**
Managed the construction of a major new wastewater treatment plant adjacent to the East River in New York. Plans and specification, construction quality control, safety monitoring (OSHA), scheduling, change order preparation and economic and progress impact evaluation, excavations, pilings, caissons, foundations. ship piers, underground utilities, structures, tanks, gas holders/burners, odor control equipment, piping, machinery, controls, plumbing, heating, air conditioning, electrical, computerized controls, contractor payments, claim analyses, testing, start-up and operator training.
- 1982 to 1983 **Hayden-Wegman, P.C.**
Directed the modernization of a large municipal waste incinerator, including state of the art air pollution control equipment in Bronx, New York.
- 1980 to 1981 **Gilbert Associates**
Managed planning and construction of regional sewerage systems in eastern Pennsylvania.

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- 1977 to **Camp, Dresser & McKee (Consulting Engineers)**
1980 Managed the construction of major process type industrial facilities, associated office buildings and freight rail facilities, CPM schedule preparation, construction progress monitoring, cost control, quality control, solve field problems, change order negotiation, progress payments, testing and start-up for facilities ranging to \$45 million value.
- 1971 to **Madigan-Praeger, Inc. (Consulting Engineers)**
1977 Supervised and controlled the construction of a large water pollution facility in New York as the Resident Engineer. This included inter-contractor coordination, interpretations of plans and specifications, expediting the work, quality control, solving technical and field condition problems, administration of progress payments and change technical and field condition problems, administration of progress payments and change orders. Earlier, prepared plans and specifications of heavy rail mass transit facilities.
- 1968 to **Sverdrup Corporation (Consulting Engineers)**
1971 Designed portions of station and tunnel for new subway in Washington, D.C.
- 1966 to **Electric Boat Division of General Dynamics Corp. (Manufacturers)**
1968 Designed portions of nuclear powered attack submarines.

EDUCATION

Polytechnic Institute of New York (Brooklyn, NY), B.S. Civil Engineering
Rutgers University (Piscataway, NJ), graduate studies
University of Connecticut (Storrs, CT), graduate studies

MEMBERSHIPS

National Society of Professional Engineers
American Society of Civil Engineers

PROFESSIONAL REGISTRATIONS

Professional Engineer: New Jersey, New York, and Pennsylvania