

ENGINEERING & SURVEYING CONSULTANTS

A COMPANY OVERVIEW

JOSEPH A. SCHUDT & ASSOCIATES

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A PROBLEM-SOLVING APPROACH

Joseph A. Schudt & Associates began serving the south and west Chicago Suburbs in 1952 and as these thriving communities have grown, so has the firm. JAS is well recognized in the profession for providing our clients with comprehensive Professional Engineering, Land Surveying and Site Planning services throughout Northeast Illinois, Northwestern Indiana and Southeastern Wisconsin.

JAS takes pride in providing our clients with the Engineering experience, expertise, and involvement to best fulfill the requirements of their project. With over fifty years of experience as licensed Civil Engineers, our survey crews and registered land surveyors are highly qualified professionals and experienced members of the JAS team.

We strive to deliver a quality product in a timely manner as well as giving personalized service to our clients in both the public and private sectors for residential, commercial, industrial, institutional, transportation and municipal projects.

The Problem-Solving Approach encompasses a full range of services from feasibility studies and preliminary facility layouts through site and structural design to ongoing maintenance programs for completed projects.

COMMERCIAL

INDUSTRIAL

RESIDENTIAL

MUNICIPAL

GOVERNMENTAL

Client companies served by JAS include the full range of development projects: commercial, industrial, residential, municipal and governmental. Our clients from both the private and public sectors have found our close, hands-on involvement with their project provides a beneficial advantage in the development process. We become an integral part of the client company's development team with our professional, experienced problem-solving approach.

AREAS OF SERVICE

PROJECT TYPES

SERVICES

PROJECT TYPES

Civil Engineering

- Site Design
- Hydrology & Hydraulics
- Land Planning
- Maintenance Programs
- Civil Infrastructure Modeling (CIM)

Commercial

- Regional Malls
- Convenience Centers
- Single-User Sites
- Office Plazas
- Site Plan Design

Land Surveying

- ALTA/ACSM Land Title Surveys
- Boundary Surveys
- Mortgage Surveys
- Topographic Surveys
- Construction Layout
- Geographic Information System(GIS)

Residential

- Subdivisions
- Single-Family
- Multi-Family
- Condominiums
- Tax Lot Divisions
- Tax Lot Consolidations
- Planned-Unit-Developments

Water Resources / Environmental

- Sustainable Design
- Infiltration & Inflow Studies
- FEMA Letter of Map Changes
- Flood Plain Analysis
- 404 Permitting
- Phase 1 Environmental Assessment

Industrial

- Industrial Parks
- Single-User Locations

Forensic

- Trial Testimony
- Zoning Hearings
- Boards & Commissions
- Feasibility Analysis

Municipal

- Public Works
- Maintenance Programs
- Roads & Bridges
- Utility Extensions
- Education

CIVIL ENGINEERING

Civil Engineering is the oldest branch of applied science and historically has been involved in solving problems relating to all of societies improvement in this physical environment.

Our challenge at JAS is to provide problem-solving techniques to a cost-effective solution. Whether an individual consultant or as a member of a Development Team, JAS is committed to the best interests of the client.

The problems facing development today are formidable, ranging from environmental concerns, expeditious timing, efficient use of resources leveraging information and many other issues. A Project Manager at JAS must address these problems and at the same time retain a fresh creative sustainable approach to development.

This task requires use of the most up-to-date tools available to minimize repetitive chores and to maximize creative approaches to problem-solving. All of JAS Project Managers and Engineers have immediate access to the latest tools of the trade and can leverage the Information available to build accurate virtual models of the project prior to construction documentation. (BIM/GIS)

The JAS problem-solving involvement does not end with design, however. Regulatory Agency relationships are continually maintained to assist the permitting process. Field layout by JAS personnel is available, as is continued review and observation of maintenance procedures.

LAND SURVEYING

Land Surveying is an integral part of the great majority of project services by JAS. The division of land into parts and the determination of land lines are critical to the proper development of the environment. JAS provides this service in our offices, primarily through staff Registered Land Surveyors, experienced in all facets of land description and placement.

Included in this section of services are topography maps, farm and ranch surveys, mortgage locations, land title services and others. Field services, using the most modern of electronic equipment, assures the client of a timely, accurate response to the project land surveying needs.

FORENSIC ENGINEERING

Forensic Engineering, as defined by Webster, "...relates to Public debate or formal argument or suitable for a law court." In our increasingly confrontational society relating to development, forensic services range from accident investigation to expert witness testimony.

JAS personnel are experienced in serving as expert witnesses in matters relating to civil and structural engineering including structural failures, building code compliance, boundary dispute, zoning matters and others.

MAINTENANCE PROGRAMS

A special program has been developed by JAS to extend the life and function of a real estate's second most expensive asset – the parking facility.

JAS concerns itself with providing a complete restoration, not just a temporary cosmetic solution of a deeper problem. Following the inspection, a report is submitted to the owner describing the work needed for immediate repairs and detailing future needs. A multi-year budgeting plan is prepared to allow for structured cost control which protects the shopping center owner from unexpected expenditures.

WATER RESOURCES

JAS provides clients with water resource planning, study, modeling, design and analysis. From simple culvert crossings, Best Management Practices design, naturalized stormwater management, water distribution, or a large-scale Urban combined sewer drainage study, JAS provides these to municipalities and private sector clients across the service area.

CONSTRUCTION ADMINISTRATION

JAS administers all phases of construction, from public or private bidding with reputable contractors, through construction layout, supervision, final inspection and final record drawings. The construction is supervised to insure quality.

GEOMETRIC ANALYSIS

With state-of-the-art equipment, GIS data and skilled personnel, JAS is able to provide rapid and accurate determination of spatial relationships of construction projects and land boundaries. Application of these services includes calculations of subdivision plats, determining distances inside buildings otherwise inaccessible to direct measurement and determining precise area of multi-sided boundaries.

TRAFFIC IMPACT ANALYSIS

Company personnel are qualified to analyze existing and proposed traffic impact for projects, including the design and location of traffic signals, signs and other traffic controls. Turning radii and loading dock simulations provide our clients a level of confidence before the project is built that the design will work.

WETLANDS

The deposition of fill or dredged materials into Water of the U.S., including wetlands is regulated by the U.S. Army Corps of Engineers (COE). JAS works with our clients to navigate the regulatory requirements for Section 404 permitting. We work with numerous specialty firms to expand our services to our clients when the need arises.

D. Warren Opperman, P.E., P.L.S.
President opperman@jaseng.com

D. Warren Opperman, President, holds a B.S. in Civil Engineering from Rose-Hulman Institute of Technology. He is a Registered Professional Engineer in Illinois, Indiana and Florida and a Registered Surveyor in Illinois. His professional affiliations include National Society of Professional Engineers, the Indiana Society of Professional Engineers, the National Association of Home Builders, and the Building Industries Association of Northwest Indiana.

Mr. Opperman is responsible for the design of major shopping centers, single family and multifamily residential subdivisions, industrial centers and various public works projects.

Joseph A. Schudt, P.E., P.L.S.
Vice President jschudt@jaseng.com

Joseph A. Schudt holds a B.S. in Civil Engineering from the University of Notre Dame and an M.A. in Environmental Systems Management from Governors State University. Mr. Schudt is a Registered Professional Engineer in Illinois, Wisconsin, Missouri, Indiana, Florida and Michigan, and a Professional Land Surveyor in the State of Illinois. Mr. Schudt is Past National Director of the National Society of Professional Engineers and is Past President of the Illinois Society of Professional Engineers. Mr. Schudt is also a member of the American Water Works Association, American Society of Civil Engineers, Water Pollution Control Federation, National Association of Home Builders, and International Council of Shopping Centers.

COMMERCIAL DEVELOPMENTS

Target (IL, IN)
Matteson Auto Mall (IL)
Steak-n-Shake (IL, IN, WI)
Taco-Bell (IL, WI)
Culvers (IL, WI)
Kohl's (IL)
Jewel/Osco (IL)
CVS Pharmacy (IL)

RESIDENTIAL DEVELOPMENTS

Bruti Associates (IL)
Brookside Subdivisions, Frankfort, IL
Prairie Crossings, Beecher, IL
Prairie Creek Townhomes, Frankfort, IL
The Square Mixed-Use, Frankfort, IL

Phillippe Builders (IL, IN)
Prairie Trails Subdivision, Dyer, Indiana
Hunters Chase, Beecher, Illinois
Spring Run, Lowell, Indiana

Donven Homes (IL)
Ashbury Woods, Lemont, IL

Madison Homes (IL)
Windfield Estates, Manteno, IL
Olympia Club, Olympia Fields, IL
Madison Meadows, Flossmoor, IL
Meyer's Cove, Homewood, IL

INDUSTRIAL DEVELOPMENTS

Corn Products International (IL)
Manufacturing Facilities
Crete Energy Center (IL)
Power Generation Facilities
Marathon Petroleum (IL)
Governors Gateway Park
John Sexton Sand & Gravel (IL)
Richton Park Facility
Ferrara Pan Candy Co (IL)
Bellwood Facility Expansion

MUNICIPALITIES & PUBLIC SECTOR

City of Joliet (IL)
Village of Steger (IL)
Village of University Park (IL)
Village of South Chicago Heights (IL)
City of Chicago Heights (IL)
Illinois School District 230
Coal City School District No 1
AT&T Telephone Company (IL)
Thorn Creek Sanitary District (IL)
Frankfort Park District (IL)
Forest Preserve of Will County (IL)
Great Lakes Naval Base (IL)

SHOPPING CENTER DEVELOPMENTS

Simon Property Group (IL)
Bloomingdale Court
Bridgeview
Crystal Lake
Matteson
North Riverside Mall
Orland Plaza

The Tucker Companies (IL)
Buffalo Grove Center
Chicago Ridge Mall
Crossroads Center
One Schaumburg Place
Ridge Plaza

Urban Investment & Development (IL)
Oak Brook Center
Old Orchard Center
Orland Square Center
River Oaks Center
Stratford Square Center

Westfield Corporation (IL, IN)
Hawthorne Center
Fox Valley Center
Louis Joliet Mall
Old Orchard Center
Southlake Mall (IN)