

Summary

Professional civil engineer with over 31 years of widely-varied experience, excellent project management, technical and supervisory skills, and an unparalleled work ethic. Proven record of superior client service.

Education

Bucknell University *Lewisburg, PA* 1976 to 1980
Bachelor of Science, Civil Engineering
California State University at Los Angeles *Los Angeles, CA* 1981 to 1984
Masters coursework in Civil Engineering

Licenses

LEED AP BD+C, 2009
Level II Certified Design Professional, Georgia Soil and Water Conservation Commission, 2006
Professional Engineer, Georgia, 1994
Professional Engineer, Virginia, 1987
Professional Engineer, California, 1983

Experience

TDK Engineers LLC *Lawrenceville, GA* 2009 to Present
Principal

- Project manager responsible for planning, civil engineering and general coordination related to roads, utilities, infrastructure, stormwater/floodplain management and site development for industrial, office, residential, retail, and government projects within the metro Atlanta area
- Co-owner participating in operation and management of the company, including policy and personnel decisions, strategic planning, and business development

Hamilton Mill Business Center: 317-acre business park, *Buford, GA* (Client: IDI)
ALTA/ACSM surveys (with subconsultant Valentino & Associates); NPDES-related documents; preliminary site designs and quantity/cost estimates; and coordination regarding water quality pond maintenance/repairs

Jefferson Mill Business Park: 305-acre business park, *Jefferson, GA* (Clients: Weeks Robinson Properties, Cousins Properties, Systemax, and Andersen, Tate & Carr)
Preliminary and final design for Systemax site development, including construction plans, landscape plans (with subconsultant Green Landworks), and boundary survey, post-construction detention pond survey and final plat (with subconsultant Valentino); ALTA/ACSM surveys (with subconsultant Valentino); NPDES-related documents; preliminary site designs; billboard location studies/surveys (with subconsultant Valentino); and coordination regarding roadways and utilities

Jefferson Distribution Center: 231-acre business park, *Jefferson, GA* (Client: IDI)
Coordination regarding completion of Phase 1; NPDES-related documents; and preliminary site designs

North Satellite Business Center: 47-acre business park, *Buford, GA* (Client: IDI)
Preliminary site designs and quantity/cost estimates

Westpoint at Riverside: 170-acre industrial park, *Douglas County, GA* (Client: IDI)
Peer review of stormwater management plans/reports

3240 Town Point Dr.: 138,000-s.f. office/warehouse, *Kennesaw, GA* (Client: Emerson Climate Technologies and Grubb and Ellis)
Conceptual site plan

Broadmoor Business Park: 220-acre business park, *Buford, GA* (Client: Colliers International)
Flood study, FEMA CLOMR application, and coordination regarding compensatory stream mitigation

Ridgeland Corporate Center - Tract 2: 9-acre site, *Forsyth Co., GA* (Client: Henry Van Os Co.)
Preliminary design and rezoning exhibit

Primrose School of Suwanee: 1.4-acre site, *Suwanee, GA* (Clients: Mother Goose Schools and The Fleming Firm)

ALTA/ACSM survey (with subconsultant Valentino)

South Fulton Dialysis Center: 1.0-acre site, *Atlanta, GA* (Client: Dr. Bob Agboguo)

Site/building remedial work: analysis and design (with subconsultant Rick Rakusin, RA)

Development Consultants Group, Inc. Duluth, GA

1993 to 2009

·Project manager responsible for commercial and residential developments within the metro Atlanta area, several of them over 200 acres, with building sizes up to 1,000,000 square feet

·Participated in management of company, including policy, personnel, strategic planning and business development decisions

Shawnee Ridge: 611-acre business park; *Suwanee, GA* (Client: IDI)

Preliminary and final design for infrastructure and site development, including construction plans for over 20 office/warehouse facilities, ranging in size from 100,000-400,000 s.f. (including build-to-suits for Mary Kay, Habasit Belting and Global/Systemax); grading studies; rezoning/annexation applications; road and utility master plans; roadway construction plans for one mile of two-lane road; GA DOT entrance plans; boundary and topographic surveys; stormwater management design; floodplain studies; EPD stream buffer variance applications/approvals; mass grading plans, including storm drains; site development plans; lake cleanout plans; bid documents; construction staking; and site and utility record drawings. Supervised up to four engineers, one landscape architect and one CAD technician; total civil engineering and surveying fee - \$3 million (1994-2009)

Hamilton Mill Business Center: 317-acre business park, *Buford, GA* (Client: IDI)

Preliminary and final design for infrastructure and site development, including construction plans for seven office/warehouse facilities, ranging in size from 100,000-1,000,000 s.f. (including build-to-suit for FedEx Freight); feasibility studies; grading studies; road and utility master plans; stormwater management design; floodplain and floodway studies; FEMA CLOMR application and approval; boundary and topographic surveys; U.S. Army Corps of Engineers (USACE) permitting; EPD stream buffer variance application/approval; ARC Development of Regional Impact (DRI) application; mass grading plans, including storm drains; site development plans; construction staking; site and utility record drawings; and final plat preparation. Supervised up to four engineers, one landscape architect and one CAD technician; total civil engineering and surveying fee - \$2 million (2001-2009)

Jefferson Mill Business Park: 305-acre business park, *Jefferson, GA* (Client: Cousins Properties)

Preliminary and final design for infrastructure and site development, including construction plans for three office/warehouse facilities ranging in size from 450,000-900,000 s.f.; grading studies; rezoning applications; NEGRDC DRI exhibit; road and utility master plans; roadway construction plans, including one mile of five-lane collector roadway (with intersections of a four-lane divided arterial and a two-lane collector) and 3,000 l.f. of two-lane collector; stormwater management design; preliminary design for 25-acre retail site; boundary and topographic surveys; USACE permitting; mass grading plans, including storm drains; site development plans; EPD stream buffer variance application/approval; site and utility record drawings; and final plat preparation. Supervised up to three engineers, one landscape architect and one CAD technician; total civil engineering and surveying fee - \$1 million (2005-2009)

Jefferson Distribution Center: 231-acre business park, *Jefferson, GA* (Client: IDI)

Preliminary and final design and bid documents for infrastructure and site development, including construction plans for two office/warehouse facilities ranging in size from 320,000-900,000 s.f.; feasibility studies; grading studies, including for 300-acre potential expansion; rezoning/annexation application; road and utility master plans, including for 300-acre potential expansion; mass grading plans, including storm drains; roadway construction plans, including S.R. 82 frontage improvements and one mile of two-lane spine road; lift station construction plans; stormwater management design; and preliminary plat. Supervised up to two engineers, one landscape architect and one CAD technician; total civil engineering fee - \$1 million (2007-2009)

North Satellite Business Center: 47-acre business park, *Buford, GA* (Client: IDI)
Preliminary and final design for infrastructure and site development, including construction plans for four office/warehouse facilities, ranging in size from 125,000-180,000 s.f.; stormwater management design; floodplain studies; boundary and topographic surveys; USACE permitting coordination; EPD stream buffer variance application coordination; and mass grading plans. Supervised two engineers, one landscape architect and one CAD technician

Barrett Distribution Center: 55-acre business park, *Cobb County, GA* (Client: IDI)
Stormwater management report, construction plans (21.6-acre site), and site record drawings for office/warehouse facilities ranging in size from 65,000-220,000 s.f.

Broadmoor Business Park: 220-acre business park, *Buford, GA* (Client: Colliers International)
Preliminary design for infrastructure and site development for proposed business park with 22 office/warehouse facilities ranging in size from 30,000-165,000 s.f.; boundary surveys; and USACE permitting coordination

Atlanta AirLogistics Center II: 22-acre industrial park, *Forest Park, GA* (Client: Republic Property)
Grading plans, construction plans, and boundary survey and final plat for office/warehouse facilities ranging in size from 90,000-140,000 s.f.

Corporate Lakes: 34-acre office park, *Gwinnett County, GA* (Client: Connolly Realty Services)
Topographic and boundary surveys, preliminary design, grading studies, floodplain study, stormwater management design, mass grading plans, construction plans and sanitary sewer and water record drawings for office buildings ranging in size from 10,000-70,000 s.f.

Sweetwater Road Extension: *Gwinnett County, GA* (Client: Royal Chase, Inc.)
Alignment alternatives, cost estimates, and construction plans for 0.3 mile of five-lane arterial curbed roadway; including coordination with Gwinnett County DOT regarding their cost participation in this jointly-funded project

North River Colony: 37-acre mixed-use development, *Gwinnett County, GA* (Client: The Development Group)
Conceptual and final design of 86-lot residential subdivision and 5-lot commercial subdivision; included hydrologic and floodplain studies for bridge crossing of Wolf Creek and related coordination with FEMA; stream buffer encroachment permit for grading of detention area, and related coordination with State environmental agencies; preparation of concept plans, entrance permit plans and right-of-way exhibits for proposed improvements along S.R. 120, and related coordination with the State DOT for permitting and right-of-way exchange; design of approximately 4,000' of curbed two-lane road and appurtenant water distribution, sanitary sewer and storm drainage systems; and grading and erosion/sediment control plans

Orchard Grove: 42-acre, 170-lot residential community, *Gwinnett County, GA* (Client: Richport Properties)
Conceptual and final design of residential subdivision; included preparation of entrance permit plan for proposed improvements along U.S. 29, and related coordination with the State DOT for permitting; design of approximately 2,000' of curbed two-lane road and appurtenant water distribution, storm drainage, stormwater management, and sanitary sewer systems including over 4,000' of offsite sewer; coordination with CSX Railroad for a sanitary sewer crossing; preparation of lot setback variance requests; and grading and erosion/sediment control plans

Huntington Park: 45-acre, 86-lot residential community, *Gwinnett County, GA* (Client: Brayson Homes)
Conceptual and final design of residential subdivision; included preparation of entrance permit plan for proposed improvements along S.R. 324, and related coordination with the State DOT for permitting; design of approximately 4,100' of curbed two-lane road and appurtenant water distribution, sanitary sewer and storm drainage systems; design of a double 72" culvert crossing; and grading and erosion/sediment control plans

Biltmore Plantation: 40-acre, 50-lot residential community, *Gwinnett County, GA* (Client: The Development Group)
Conceptual and final design of residential subdivision; included lot layouts for lots served by septic systems; approximately 3,700' of curbed two-lane road design and adjacent water distribution system; addition of a 120' curbed right-turn lane adjacent to an existing shouldered two-lane local road; over 2,100' of closed storm drainage system; coordination with Georgia Power; and stormwater management

Spalding Chase: 4-acre, 21-lot R-ZT residential community, *Gwinnett County, GA* (Client: Bachman Properties)

Bright Water: 237-acre, 378-lot residential community, *Gwinnett County, GA* (Client: The Peachtree Group)

Ashwood Grove: 51-acre, 132-lot residential community, *Snellville, GA* (Client: McGowan Properties)

Strawbridge: 63-acre, 238-lot residential community, *Gwinnett County, GA* (Client: Richport Properties)

Village at Flowers Crossing: 30-acre, 97-lot residential community, Gwinnett County, GA (Client: McGowan Properties)

Lenox Park: 92-acre, 238-lot residential community Gwinnett County, GA (Client: The Development Group)

The Retreat at Apalachee: 12-acre, 44-lot residential community Gwinnett County, GA (Client: A & P Partners)

Dewberry and Davis Fairfax, VA

1987 to 1993

·Project Manager in the Transportation Department responsible for several public and private sector roadway projects within the metro Washington area, as well as high-rise office site development and a rental car facilities project.

Virginia Route 28/ U.S. Route 29 Interchange Centerville, VA (Client: Fairfax County Department of Public Works, Office of Road Program Management)

Design and plan preparation for a partial cloverleaf interchange to replace the existing intersection of two principal arterials (ADT exceeding 35,000 VPD for each) in a developed business district; included horizontal and vertical realignment of approximately 5,000' of existing four-lane divided shouldered road (VA Route 28) as a six-lane facility; horizontal and vertical realignment of approximately 3,000' of existing four-lane partially-curbed/partially-divided road (U.S. Route 29) as a six-lane fully-curbed/fully-divided facility; design of approximately 8,000' of curbed interchange ramps; design of approximately 3,500' of closed storm drainage system and 1000' of new culvert or culvert extensions; coordination with several proposed adjacent developments by others; realignment of 1,500' of sanitary sewer; coordination with several utility companies; and preparation of multi-stage construction sequencing and maintenance and protection of traffic plans. Supervised up to four engineers, one CAD technician and five drafters; total project cost - \$16,000,000, total civil engineering fee - \$600,000

Braddock Road Extension: Centerville, VA (Client: Hazel/Peterson Companies)

Design and preparation of plans, specifications and bid documents for jointly-funded public/private project comprised of 1.5 miles of new four-lane divided, curbed arterial roadway (projected ADT = 30,000 VPD) to extend Braddock Road (VA Route 620) from Union Mill Road to Virginia Route 28 along a reserved right-of-way corridor with new adjacent developments; involved plan reviews by the VA DOT, Fairfax County Department of Public Works - Office of Road Program Management, and Fairfax County Department of Environmental Management; gave presentations at public meetings; performed floodplain analysis using HEC-2 and developed technical data to obtain permits from federal, state, and local agencies for a 150'-long bridge crossing and wetland encroachment; also included floodplain analysis and design for a triple 9' x 4' box culvert; design of approximately 3,000' of closed storm drainage system; coordination with Colonial Pipeline Co. and local power, telephone, cable TV and water companies; coordination with several proposed adjacent developments; and preparation of signal plans and signing and marking plans. Supervised up to three engineers and three drafters; total project cost - \$5,000,000, total civil engineering fee - \$400,000

Braddock Road West: Centerville, VA (Client: Hazel/Peterson Companies)

Design and preparation of plans for 0.6 mile of new four-lane divided, curbed arterial west of VA Route 28; involved plan reviews by the VA DOT and Fairfax County Department of Environmental Management; total project cost - \$1,000,000, total civil engineering fee - \$70,000

McNair Farms – Infrastructure Roads: Herndon, VA (Client: Batman Corporation)

Design and plan preparation for 3.5 miles of road network for a 300-acre mixed use development, including four-lane divided collector roads and a six-lane divided principal arterial; included horizontal and vertical realignment of approximately one mile of existing two-lane shouldered road as a six-lane curbed, divided highway (VA Route 657) with a projected ADT of 40,000 VPD; supervised preparation of five sets of construction plans for approval by the VA DOT and Fairfax County Department of Environmental Management; directed preparation of multi-stage construction sequencing and maintenance and protection of traffic plans, as well as signal plans and signing and marking plans; and extensive storm drainage design. Supervised up to four engineers, one CAD technician and four drafters; total project cost - \$10,000,000, total civil engineering fee - \$600,000

Washington National Airport Rental Car Service Facilities: *Washington D.C.* (Client: Metropolitan Washington Airports Authority)

Conceptual, preliminary and final design for quick turnaround gas/wash facilities to serve five rental car agencies, including traffic circulation, utility layouts and storm drainage; final site engineering including design and preparation of construction plans for access ramps, parking areas, utility service and relocations, and pedestrian facilities; and preparation of construction sequencing plans. Supervised up to four engineers, one CAD technician and three drafters; total project cost - \$14,000,000, total civil engineering fee - \$450,000

Tysons II: *Tysons Corner, VA* (Client: Homart Development, Lerner Enterprises)

Site engineering for several high-rise office buildings, and planning and design of stormwater management facilities for the entire 116-acre project. Supervised up to two engineers, one CAD technician and one drafter; total civil engineering fee - \$200,000

Dulles Toll Road Extension: *Fairfax County and Loudoun County, VA* (Client: Toll Road Corporation of Virginia)

Design of all storm drainage and erosion and sedimentation control elements for Segments CS and A, which included approximately three miles of four-lane divided highway with a major interchange and a toll plaza; plans reviewed by the VA DOT. Supervised up to six engineers and four drafters; total project cost - \$100,000,000

Union Mill Road Extension: *Centerville, VA* (Client: Hazel/Peterson Companies)

Preliminary and final design and plan preparation for one-mile extension of four-lane divided collector road including Braddock Road/Union Mill Road intersection area; included floodplain analysis using HEC-2 and multi-stage maintenance and protection of traffic design. Supervised up to four engineers and three drafters; total project cost - \$2,000,000, total civil engineering fee - \$200,000

Virginia Route 625 over Broad Run: *Sterling, VA* (Client: The Intergate Company)

Preparation of a floodplain study for the 225'-long bridge crossing of Broad Run (50 sq. mi. watershed), including development of technical data to obtain permits from federal, state and local agencies; involved use of HEC-1 and WSP-2 computer programs; prepared report for approval by Loudoun County, the VA DOT and FEMA. Supervised one engineer and one drafter; total fee - \$90,000

Sam Eig Highway over Shady Branch: *Montgomery County, MD* (Client: Ackerman and Company)

Design and preparation of a floodplain study for the proposed multiple-box culvert crossings of the Sam Eig Highway over Shady Branch and a major tributary, including development of technical data to obtain a Waterway Construction Permit from the State Department of Natural Resources, Water Resources Administration. Supervised one engineer and one drafter; total fee - \$40,000

CIA Entrance at Virginia Route 123: *McLean, VA* (Client: Central Intelligence Agency)

Preparation of access improvement study and technical report identifying seven alternatives for improving access from a four-lane divided arterial into CIA headquarters; preparation of 100'-scale conceptual design plans and cost estimates for three selected alternatives (all involving grade-separation). Supervised one engineer and one drafter; total fee - \$65,000

STV/Seelye, Stevenson, Value & Knecht *New York, NY and Jersey City, NJ* 1986 to 1987

Project engineer responsible for storm drainage and grading plans for two major public sector roadway projects, as well as construction sequencing plans for two small bridge projects

New Jersey Turnpike 1985-1990 Widening: *Moonachie, NJ* (Client: New Jersey Turnpike Authority)

Design of all storm drainage work related to the reconstruction and widening of the 1.6-mile segment of the Turnpike through the Meadowlands area, which included a toll plaza; directed the preparation of construction plans; and developed supporting data and analysis required to secure a Waterway Encroachment Permit from the State Environmental Protection Division. Supervised up to two engineers and one drafter

Fort Drum – Infrastructure FY 86-87: *Watertown, NY* (Client: U.S. Army Corps of Engineers)

Design of storm drainage systems and preparation of grading plans for 10 miles of new road network, including extensive coordination with A/Es performing concurrent design for adjacent sites. Supervised up to five engineers, one CAD technician and six drafters in preparing 110 grading and drainage plan sheets with contour grading shown

Whitbeck Road and Morgan Road Bridges Over New York State Barge Canal: Oneonta, NY

(Client: New York State Department of Transportation)

Developed maintenance and protection of traffic and staging schemes for the replacement and realignment of two bridges over the New York State Barge Canal; designed the storm drainage systems for the realigned roadways; and performed quantity take-offs. Supervised one engineer and one drafter

Los Angeles County Dept. of Public Works, Flood Control Branch Los Angeles, CA 1980 to 1985

Civil Engineer I - Unit Head, Facilities Engineering Unit, South Area 1983 - 1985

·Provided engineering support for operation and maintenance of pumping stations, groundwater recharge basins, debris basins, sea water intrusion barriers, stream gauging stations and maintenance yards

Senior Civil Eng. Assistant - Hydrology Section; Sedimentation Section; Design Section 2 1981- 1983

·Took advantage of the County's rotation program, performing hydrology studies (Hydrology Section), preparing debris basin cleanout and disposal plans (Sedimentation Section), and performing storm drainage system design (Design Section 2)

Civil Engineering Assistant – Permits Section 1980-1981

·Responsible for the review of permit applications and issuance of permits for activities on County property or involving County facilities