

GREENWAY ENGINEERING | FULL LIST OF SERVICES

Land Planning Services

- Rezoning Services
- Residential, Commercial, Industrial, and Mixed Land Use Planning
- Development Programming and Proffer Statements
- Local and Regional Comprehensive Policy Planning
- Community Impact Analysis Assessment
- Conceptual Design Layout
- Feasibility Studies
- Master Development Planning
- Ordinance Development
- Rural Subdivision Planning and Design
- Conditional/Special Use Permitting
- Variances/Exceptions and Appeals
- Site Analysis and Schematic Designs
- Legislation Development for Zoning and Subdivision Ordinances
- Land Use Policy Development
- Community Impact Analysis
- Arboriculture
- Landscape Planning and Design
- Landscape Management, Plant Inventories, Evaluations, and Contract Documents

Engineering Services

- Site Selection, Preparation, and Development
- Feasibility Studies and Layouts
- Ordinance and Subdivision Regulations Studies
- Preliminary Engineering Reports
- Conceptual Design Development and Cost Estimation
- Residential Subdivision Design: Rural and Urban

- Commercial and Industrial Site Designs
- Governmental/Institutional Site Plans
- Campus Plans/Multi-use Site Designs
- Public Improvement Plans/DOT Road Designs
- Entrance Design and Permitting
- Traffic Counts
- Speed Studies
- Intersection Analysis
- Maintenance of Traffic (MOT) Plans
- Grading (Commercial, Residential, Municipal, Recreational)
- Earthwork Studies
- Digital Terrain Modeling
- Erosion and Sediment Control Plans
- Stormwater Pollution Prevention Plans
- Stormwater Management Design/ Studies: Quantity and Quality
- Regional Stormwater Modeling
- BMP Design (Stormwater Best Management Practices)
- Floodplain Studies, CLOMR, LOMR, Elevation Certificates
- Road, Highway, Utility Design
- Water and Sewer System Modeling and Design, Private and Municipal
- Water Booster Station Design
- Sewer Pump Station Design
- Utility Design (Water & Sanitary)
- Construction Cost Estimating
- Construction Documents and Specifications
- Value Engineering/Constructability Review
- Permit Processing
- House Grading Plans

- Parking Studies
- Pavement Design/As-built Pavement Review
- Land Disturbance Permit/Processing
- Construction Administration and Management
- House Grading Plans
- House Composite Development/ Subdivision Matrix
- Leadership in Energy and Environmental Design (LEED)

Surveying Services

- Boundary Surveys
- ALTA/ACSM Surveys
- House Location Surveys/Title Surveys
- As-Built Surveys
- Utility Easement Surveys
- Utility Location Plats
- Route Location Surveys
- Record Plat Preparation
- Drainfield Location Plats
- Easement Surveys
- Easement Plats
- Rezoning Plats
- Construction Stake-Out
- Road and Bridge Stake-Out
- Field-Run Topographic Surveys
- GPS/RTK Surveys
- Deed Research
- Topographic Surveys
- Right-of-Way Dedication Plats
- Digital Terrain Modeling
- LIDAR 3D Scanning
- UAV Topography and Imaging
- Underground Utility Location

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Inspection Services

- Sub-grade Inspection
- Compaction Testing for Controlled Fill Placement
- Footing Inspection with Bearing Capacity Determination
- Floor Slab and Retaining Wall Inspection
- Reinforcing Steel Inspection
- Field Concrete Sampling and Testing including Coring and Windsor Probe Testing
- HUD Permanent Foundations Inspection
- VDOT and WVDOH Concrete and Asphalt Pavement Testing
- Fireproofing with Fire Stop Inspection
- EFIS Application Inspection
- NRMCA Plant and Ready Mix Truck Inspection Certified
- Code Compliance Inspections

NDT Services

- Liquid Penetrant Testing (PT)
- Magnetic Particle Testing (MT)
- Ultrasonic Testing (UT)
- Visual Testing (VT)

GIS Services

- Aerial Photos Maps
- Real Estate Maps
- Regional Wall Maps
- Historic Maps (Replica)
- Road and Highway Maps (Existing and Proposed/Future Road Networks)
- Tourism Site Maps
- Parcel Location Maps
- Editing and Maintenance of Existing Data Files
- Marketing Maps
- Custom Mapping

Environmental Services

- Preliminary Wetland Evaluations
- Wetland Delineation and Permitting
- Wetland Construction Monitoring
- Jurisdictional Determinations
- Stream Assessments and Classifications
- Stream Water Quality Monitoring
- Wetland and Stream Impact Assessments
- Wetland and Stream Mitigation Banking
- Environmental Constraints Analyses
- Threatened and Endangered Species Studies
- Habitat Evaluations
- Existing Vegetation Surveys
- Section 401/404 Permitting
- Complete Soil and Site Evaluation for Single Lot, Subdivision Lots, Community, Commercial, and Industrial Uses
- AOSE Licensed
- Water Percolation and KSAT Tests
- Soil pH and Resistivity Testing
- Conventional and Alternative Wastewater Disposal Design
- On-site Wastewater Treatment and Disposal Systems Design (Single Family and Mass Drainfield Systems)
- Regulatory Permitting
- Compliance Monitoring
- Preventative Maintenance and Monitoring
- AOSS Operator Certified
- Existing Drainfield Inspections
- Drainfield Location and Camera Services

Analytical Laboratory Services

- Water Analysis (Wells, Pools, Streams)
- Wastewater Analysis
- Alternative Discharge Sample Analysis

Water Analysis Services

- Turbidity
- pH
- Hardness
- Alkalinity
- Calcium
- Iron
- Copper
- Lead
- Manganese
- Total Chlorine Residual
- Free Chlorine Residual
- Total Coliform
- Fecal Coliform
- Escherichia coli (E. coli)

Wastewater Analysis Services

- Biochemical Oxygen Demand (BOD)
- Carbonaceous Biochemical Oxygen Demand (CBOD)
- Chemical Oxygen Demand (COD)
- Total Suspended Solids (TSS)
- Volatile Suspended Solids (VSS)
- Total Kjeldahl Nitrogen (TKN)
- Ammonia Nitrogen (NH₃)
- Nitrate (NO₃)
- Nitrite (NO₂)
- Ortho Phosphate
- Total Phosphate
- Oil and Grease
- pH
- Alkalinity
- Total Chlorine Residual
- Free Chlorine Residual
- Fecal Coliform
- Escherichia Coliform (E. coli)
- Total Coliform