

Company	Departments/Services	Services	Services	Services
<ul style="list-style-type: none"> • Founded in 1983 • Current Office Population: <i>Licensed Landscape Architects</i>:.....1 <i>Licensed Professional Civil Engineers</i>:.....6 <i>Board Certified Structural Engineers</i>:.....1 <i>Licensed Structural Engineers</i>:.....3 <i>Professionals in Training (EIT, IA, LAIT)</i>:.....7 <i>With Bachelors</i>:.....4 <i>With Masters</i>:.....3 <i>Professional Land Surveyors</i>:.....3 <i>Survey Field Personnel</i>:.....6 <i>Drafting/Design</i>:.....7 <i>Administrative & IT</i>:.....6 • At McNeil Engineering our proven approach to projects, our industry experience and our talented employees add measurable value to our client's projects, contributing to successful projects that are completed on time and within budget. • McNeil Engineering has thrived on establishing personal relationships and providing quality designs to our clients. 	<p><u>Departments:</u></p> <ul style="list-style-type: none"> • Civil Engineering • Structural Engineering • 3D Laser Scanning & Land Surveying • Landscape Architecture • Consulting: <ul style="list-style-type: none"> ○ Roofing Design & Consulting ○ Paving Consulting ○ Construction Management ○ BIM <p><u>Services:</u></p> <p><u>Civil Engineering</u></p> <ul style="list-style-type: none"> • Land Development Services • Site feasibility studies and due diligent analysis • Site layout • Road design • Grading design and earthwork analysis • Drainage analysis and storm drain system design • Storm water detention system analysis and design • Erosion control measures & SWPPP • Water system analysis and design • Sanitary sewer system design • Subdivision design • 3D models • UDOT access and encroachment permits • Permitting and entitlement assistance with cities, counties and state agencies 	<p><u>Structural Engineering</u></p> <ul style="list-style-type: none"> • Constructability analysis • Seismic analysis • Force protection blast analysis and design • Alternative designs for construction cost and time savings • Structural analysis, design, specifications and construction documentation • Field observation and construction management • Reinforced, precast tilt up and pre-stressed concrete • Precast concrete production, transport and erection • Post tension concrete design • Steel, masonry and timber design • Construction products and materials development • Structural investigation and reports • Structural damage and failure analysis • Repair, re-strengthening and retrofitting of structures • Crane design & analysis • HUD permanent foundation analysis • Fire and disaster investigation and analysis <p><u>3D Laser Scanning & Land Surveying</u></p> <ul style="list-style-type: none"> • Transportation • Horizontal and vertical construction • Forensics/insurance investigation • Industrial/refineries • Historic preservation • Mining • ALTA/ACSM Land Title Surveys • Topographic/utility surveys 	<ul style="list-style-type: none"> • Route & boundary surveys • Construction staking • GIS Data acquisition • Cadastral & retracement survey • Subdivision plat • Condo plat <p><u>Landscape Architecture</u></p> <ul style="list-style-type: none"> • Site planning & design • Planting & irrigation design • Water-wise xeriscape design • Site paving & amenities plan • Construction administration • Cost estimating & budgeting • Governmental approvals & permitting • Illustrative & graphic design • ADA access planning & design • Parks & recreation planning & design • Urban design • Signage & gateway design <p><u>Consulting</u></p> <p><u>Roofing Design & Consulting</u></p> <ul style="list-style-type: none"> • New roof system designs and construction oversight • Design and construction oversight for replacement of existing roof systems • Roof overbuild design • Existing roof condition analysis • Project scoping and opinion of probable costs • Recommendations and instructions for roof systems maintenance 	<ul style="list-style-type: none"> • Humidity/ condensation analysis <p><u>Paving Consulting</u></p> <ul style="list-style-type: none"> • New parking lot design • Re-engineering of existing parking lots • Existing condition analysis • Project scoping & opinion of probable costs • Drainage & slope solutions • Concrete parking structure evaluation • Pavement structure analysis & design <p><u>Construction Management</u></p> <ul style="list-style-type: none"> • BIM • Project document management • Bidding management & oversight • Response to RFI's & issue addenda • Construction observation & reports • Periodic construction meeting administration • Contractor invoice review and approval • Change order review & recommendations • Quality control/ quality assurance monitoring • Substantial completion administration & issue punch list • Final inspection • Coordinate preparation of record documents (As-Builts)

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