

PERSONAL INFORMATION

PHILIP JERRY ANDERSON

December, 2021

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PERSONAL:

Date of Birth: October 13, 1946
Place of Birth: Muscatine, Iowa
Marital Status: Married, Lynette
Children: Son - Patrick Justus Anderson; Age - 36

EDUCATION: Muscatine Iowa Senior High School 1960-1964
Colorado College 1964-1968 (B.A. Major - Economics)
University of Northern Colorado 1968 -1970 (M.A. - Economics)
Washburn University 1971 - 1974 (J.D.)

EMPLOYMENT: 1974 - 1977 Planning Director, El Paso County
1975 - 1979 Deputy/Assistant County Attorney
1977 - 1979 Director of Administration, El Paso County
1980 - 2020 Private Practice of Law
1980 - 1984 Circuit Rider Administrator, Victor, Cripple
Creek, Green Mountain Falls, Colorado
1982 - 1995 City Attorney, Victor, Colorado
1981 - 1984 City Attorney, Manitou Springs, Colorado

MAJOR CLIENTS AND PROJECTS AS ATTORNEY:

Gleneagle
Gleneagle Local Improvement District
Paint Brush Hills
Paint Brush Hills Metropolitan District
Colorado Centre
Colorado Centre Metropolitan District
Cascade Metropolitan Districts Nos. 1 & 2
Banning Lewis Ranch - Aries Enterprises, Inc.
Colorado Springs Land Holding -Banning Lewis Ranch
Ellicott Fire Protection District
Peyton Fire Protection District
Southwestern Highway 115 Fire Protection District
Hanover Fire Protection District
Regency Park
Falcon Hills
Forest Lakes
Forest Lakes Metropolitan District
Constitution Avenue/Peterson Road Local Improvement Dist
The Trails
Appletree Golf Course Financing -City of Fountain
Powers Boulevard/New Drennan Road Local Improvement District
Bradley Road Local Improvement District

Pheasant Run Local Improvement District
Eastern El Paso County Association, Inc.
Nova Technological Center
Nova Metropolitan District
Sagedowns
Sagedowns Metropolitan District
Crystal Park Christian Community, Inc.
Crystal Park Metropolitan District
The Markets at Mesa Ridge
Cross Creek at Mesa Ridge
Grandview Water Company
Florissant/Divide Fire Protection District
Meridian Golf Course
Santa Fe Springs
City of Manitou Springs
City of Victor
The Ridge at Fox Run
Higby Estates
Struthers Road Local Improvement District 1998-1
Colorado Water Resources, Inc.
Sterling Ranch
Sterling Ranch Metropolitan Districts Nos. 1-3
El Paso County Water Authority
Falcon Area Water Authority

PERSONAL PROJECTS:

Falcon Field (57 acre mixed use development)
Falcon Hills (699 acre residential development) - sold
Cheyenne Mountain Reserve, LLC (925 acres-now State Park) - sold
Cascade Resort Communities (600 acre residential development) -
sold
Chipita Ranch (291 acre residential development) - sold
Waterview East (190 acre residential/commercial development) -
active - sold

INTERESTS:

Member - City of Colorado Springs TOPS Working Committee 2009-
2015
Member/Chairman - El Paso County Road Impact Fee Advisory
Committee 2012 - 2020
Member/Chairman - Paint Brush Hills Metropolitan District 1999 -
2008
Member/Chairman - Cascade Metropolitan District 2005 - 2014
Member - Woodmen Road Metropolitan District 2015 - Present
Member - President - Falcon Field Metropolitan District 2020-
present

Tennis (nationally and regionally ranked senior player); golf
(unranked anywhere); hiking & biking



TECHNICAL EXPERTISE

- / Water Treatment
- / Water Modeling
- / Wastewater Treatment
- / Business Management
- / Client Needs Analysis
- / Microsoft and Adobe Suite
- / Acquisitions and Training
- / AutoCAD Civil 3D

EDUCATION

- / BS in Civil Engineering Technology, Colorado State University, Pueblo, CO (2002)

REGISTRATIONS & LICENSES

- / Professional Engineer in Colorado

PROFESSIONAL MEMBERSHIPS

- / American Water Works Association
- / American Society of Civil Engineers

CERTIFICATIONS & TRAINING

- / Civil 3D – CAD-1, 2006

HONORS & AWARDS

- / All American Project Award / Engineering America, Inc. / 2007

WORK HISTORY

- / RESPEC (2002–Present)



RYAN M. MANGINO, PE

SENIOR PROJECT MANAGER

OVERVIEW

Mr. Mangino has over 19 years of experience in civil engineering and related fields, including water treatment and pumping, wastewater treatment and pumping, water storage, potable water systems, water facilities design, water and wastewater system studies, permitting, water distribution system modeling, master planning, and construction administration/inspection.

PROJECT EXPERIENCE

Water Filtration Plant Design, Woodmen Hills Metropolitan District, Falcon, CO.

Mr. Mangino was the Project Engineer for a 1.3-million-gallon-per-day (MGD) water filtration plant for the Woodmen Hills Metropolitan District. The design included flocculation, filtration, backwash/reclaim systems, chlorination, internal booster station, chlorine contact basin, and instrumentation/control. The project also involved design of the building and wells, Colorado Department of Public Health and Environment (CDPHE) permitting, field piping design, complete construction drawings, and on-site observation.

Water Filtration Plant Design/Relocation, Woodmen Hills Metropolitan District, Falcon, CO.

Mr. Mangino was the project engineer for a 2.2-MGD water treatment facility to replace an existing facility for the Woodmen Hills Metropolitan District. The design included flocculation, filtration, backwash/reclaim systems, chlorination, internal booster station, chlorine contact, and instrumentation/control. The project also involved design of the building, site, CDPHE permitting, and field piping design.

Central Water System Design for the Saddlehorn Ranch Metropolitan District, Falcon, CO.

Project included all design and permitting of a 0.36-MGD water treatment facility, new water storage tank, booster pumping, filtration, backwash/reclaim, source water (deep wells), and all facets of permitting, relevant to local and state health departments. Construction administration and observation were also included in the project.

Central Water System Design for the Sanctuary in the Pines Metropolitan District, Colorado Springs, CO.

Design included site layout of 0.4-million-gallon, welded-steel, potable water storage tank; design of deep well completion; and design of a water filtration plant, including flocculation, chemical feed, filtration, back-wash systems-recovery, booster pumping, instrumentation/controls, and chlorination. Also required were CDPHE permitting, technical/managerial/financial planning, construction approvals, and land-use planning.

Wastewater Treatment Facility Permitting, Design, and Construction Administration, Woodmen Hills Metropolitan District, Falcon, CO.

Mr. Mangino was the project/design engineer for a 1.3-MGD activated-sludge wastewater treatment facility for the Woodmen Hills Metropolitan District. The project included permitting, design, construction administration, and construction management of a new mechanical wastewater treatment plant on the same site as an existing lagoon facility. The facility incorporated existing primary treatment, all new secondary treatment with aerobic and anoxic zones, secondary clarification, odor control, sub-grade and above-grade infrastructure, process piping, pumps, dewatering, backup power generation, and solids handling.



Dual, High-Head, Wastewater Lift Station with Headworks, Meridian Service Metropolitan District, Falcon, CO.

Mr. Mangino was the project engineer/on-site engineer for a dual, high-head wastewater pump station with headworks equipment for the Meridian Service Metropolitan District (with Woodmen Hills Metropolitan District represented at the same facility). The project included redesign and re-permitting of an original design, incorporating wastewater screening, grit removal, and pumping. The facility also involved dual pairs of pumping equipment, each with full redundancy, backup generation, odor control, equalization storage, and emergency storage.

Concrete Water Storage Tank Planning, Permitting, Design and Construction Administration, Woodmen Hills Metropolitan District, Falcon, Colorado.

Mr. Mangino was the staff/design engineer and construction administrator for a 3.0-MG prestressed concrete water storage tank for the Woodmen Hills Metropolitan District. His duties included planning, permitting, design, and construction administration.

Potable Water Transmission Line Planning, Permitting, Design, and Construction Administration, Woodmen Hills Metropolitan District, Falcon, Colorado.

Mr. Mangino was the staff/design engineer and construction administrator for a 21,000 foot long, 18-inch potable water transmission line for the Woodmen Hills Metropolitan District. The project included connecting to an existing booster station and connecting to a new 3.0-MG prestressed concrete water storage tank. His duties included planning, permitting, design, and construction administration.

Wastewater Lift Station Replacement, Woodmen Hills Metropolitan District, Falcon, Colorado.

Mr. Mangino was the project engineer/on-site engineer for the replacement of an existing wastewater lift station for the Woodmen Hills Metropolitan. The project included the planning, design, and permitting of a new, wet-well/dry-well, lift station to replace an existing facility at the end of its design life. The new facility incorporated redundant pumping, emergency storage, emergency backup, pressure relief, and tie-ins to an existing force main and gravity sewer.

Raw Water Transmission Pipeline Design, Woodmen Hills Metropolitan District, Falcon, Colorado.

Mr. Mangino was the staff/design engineer for a 14-mile raw water transmission pipeline for Woodmen Hills Metropolitan District. The design included aerial sections of alignment, overseeing utility locations, plan and profile drawings of pipeline, design and placement of pipeline, permitting, complete construction drawing design, and on-site observation.

Design for Raw Water Booster Pump Station, Deep Well Completions, Vaults, and SCADA System, Woodmen Hills Metropolitan District and Meridian Service Metropolitan District, Falcon, Colorado.

Mr. Mangino was the staff/design engineer for the Guthrie water booster pump station, several deep well completions, vaults, and intricate SCADA system for a joint water project between Woodmen Hills Public Facilities Authority and Meridian Service Metropolitan District. The design included site grading, cast-in-place concrete vaults, well sections, well piping, complete construction drawing design, and on-site observation.

Staff/Design Engineer for 2.5 million-gallon welded steel potable water storage tank for the Meridian Service Metropolitan District.

Design included location of all inlet, outlet, drain, and overflow piping, foundation, connection to existing water lines, tank appurtenances, complete construction drawings, and on-site observation.

Staff/Design Engineer for Pond #3 Re-implementation at the Paint Brush Hills Wastewater Treatment Facility.

Project consisted of CDPHE permitting, design, and construction coordination of a 2.7-million-gallon wastewater lagoon, concrete diversion structures, and mechanical surface aerators.

Overall System Engineer for the Falcon Heights Property Owners Association, Falcon, CO.

Multiple facets of engineering including the relocation of a bolted steel water storage tank, incorporation of a high-capacity pump, revisions to incoming source water and disinfection, modeling of entire water system to determine parallel pipe sizes needed to achieve fire-flow, and replacement of a deep aquifer well.



SARAH N. ITZ

BIOLOGIST

TECHNICAL EXPERTISE

- / Section 404 Permitting
- / T&E Habitat Assessments
- / NEPA Compliance
- / Project Management
- / GIS Analysis
- / Trimble GPS Data Collection

EDUCATION

- / BS in Biology, University of Texas at Austin, Austin, TX (2003)

CERTIFICATIONS & TRAINING

- / Texas Department of Transportation Pre-certifications: 2.3.1 Wetland Delineation, 2.4.1 Nationwide Permit, 2.6.2 Impact Evaluation Assessments, 2.13.1 Hazardous Materials Initial Site Assessment (2020)
- / Wetland Training Institute 40-Hour Wetland Delineation Course (2005)
- / USACE 404 Permit Application and Compliance (2009)
- / Wetland Training Institute Wetland Plant Identification (2011)
- / Wetland Training Institute Regional Field Refresher Courses in Laramie WY and Santa Fe NM (2017 and 2018)
- / University of Texas at Austin Technical Writing Course (2013)

WORK HISTORY

- / JDS Hydro (2019–Present)
- / EST, Inc. (2020–Present)
- / CP&Y, Inc. (2005–2019)
- / Texas Department of Transportation (Jan 2005–Nov 2005)
- / Stormwater Research Group (May 2004–Dec 2004)
- / Environmental Careers Organization (Feb 2004–May 2004)

OVERVIEW

Ms. Itz has 16 years of experience working on a variety of water/wastewater, transportation, land development, and environmental projects. Ms. Itz's technical specialties include project management, National Environmental Policy Act (NEPA) compliance, wetland delineations, Section 404 permitting, agency consultation, plant identification, and threatened and endangered species habitat assessment and presence/absence surveys. Most of her projects have been in Texas, Oklahoma, and Colorado for a wide variety of clients including departments of transportation, counties, municipalities, oil/gas and utility companies, private landowners, Native American tribes, regional water districts, landfills, airports, and civic groups.

PROJECT EXPERIENCE

Cottonwood Creek Drop Structures, City of Colorado Springs, Colorado. As environmental project manager, Sarah completed field investigations for Section 404 permitting purposes for three proposed drop structures in Cottonwood Creek north of N. Academy Blvd. Field investigations included wetland delineations along the creek, delineating the ordinary high water marks (OHWM) of the creek, habitat assessment for federally listed species known to occur in the vicinity, and taking representative photos and notes. Sarah prepared a PCN under Regional General Permit (RGP) 37 for submittal to the USACE.

South Cascade Avenue Project, City of Colorado Springs, Colorado. Sarah served as the environmental project manager for a proposed channel improvement project at Cheyenne Run under S. Cascade Avenue in Colorado Springs. She conducted field work to delineate the OHWMs of Cheyenne Run and to GPS locations of mature trees in the project area. She coordinated with project engineers to determine water and vegetation impacts. Lastly, Sarah prepared a Regional Permit PCN for submittal to the USACE.

Marksheffel Road Improvements, City of Colorado Springs and Colorado Springs Utilities, Colorado.

Sarah's role in this project was the environmental project manager and permitting specialist. The project involved a proposed Marksheffel Road bridge over Sand Creek and related creek stabilization activities within and along Sand Creek. She completed performed wetland delineations along the creek, delineated the OHWMs of the creek, completed a habitat assessment for federally listed species known to occur in the vicinity, and took representative photographs and notes. Sarah coordinated with the USACE to determine the appropriate permitting required and prepared a PCN under NWP 14 and RGP 37.

West Water Pipeline Project 1041 Environmental Documentation, Woodmen Hills Metropolitan District, Colorado Springs, Colorado.

As an environmental specialist, Sarah completed a habitat assessment and waters/wetlands delineation along the proposed West Water pipeline project area and completed the environmental sections of the El Paso County 1041 environmental document for the project. Field investigations also involved taking representative photographs and GPS data of notable features within the project area.

Riverbend Crossing Proposed Development Environmental Studies, Avatar Riverbend, LP, Southern El Paso County, Colorado.

This project involved the proposed residential development of two parcels totaling 52 acres. As the project's environmental specialist, Sarah completed a waters and wetlands delineation, threatened and endangered species habitat assessment, and migratory bird and nest survey on the entire property. She then prepared an environmental report for the client and detailed the field results. Fountain Creek and one emergent wetland were delineated on the property; however, based on project plans, no impacts to either would occur and no Section 404 permit was deemed necessary.



Hausman Road Drainage Project, Phase I (LC9), Bexar County, Texas. Sarah served as Wetland Scientist for this proposed road widening/flood control/stream restoration project in Bexar County. She performed tasks related to jurisdictional waters determination and habitat assessment for listed species. A hydraulics and hydrology study was completed for downstream flooding issues; Sarah helped identify environmental issues for the alternatives produced. The preferred alternative required a Nationwide Permit (NWP) 27 for Stream Restoration Activities. She completed the Preliminary Jurisdictional Determination Report and assisted with the development of the Alternatives Analysis, the Qualitative Habitat Evaluation Index Report, and the NWP 27, which was approved by the U.S. Army Corps of Engineers (USACE) with no comments.

T&E Species Survey, Algodones Dunes, Imperial County, California. Sarah served as a temporary field biologist and surveyed for three special status plant species, Peirson's milk-vetch (*Astragalus magdalenae* var. *peirsonii*), Algodones Dunes sunflower (*Helianthus niveus*) and sand food (*Pholisma sonora*) to obtain estimations of density and population size for the Bureau of Land Management. She used GPS units to navigate on transects through the Algodones Dunes and data sheets to record findings.

Bald Eagle (*Haliaeetus leucocephalus*) Survey, Brazoria County, Texas. As an environmental scientist, Sarah attended weekly field visits to survey status of nesting pair of bald eagles near the Brazos River and SH 36 in Brazoria County. Construction of SH 36 improvements in the vicinity was halted to avoid noise impacts to the eagles.

State Highway (SH) 9 at Fish Creek Bridge Replacement and Approaches Project, Oklahoma Department of Transportation, Hughes County, Oklahoma. As the Wetland Scientist, Sarah completed a wetland delineation, waters of the U.S. determination, and habitat assessment for this bridge replacement project in Hughes County, Oklahoma. She delineated a complex forested wetland and braided stream system of Fish Creek. Sarah also completed the Biological Assessment report for inclusion in the Categorical Exclusion (CE) document.

San Antonio River Outfall (SARO) Pipeline Environmental Compliance Document and Phase I, San Antonio Water System (SAWS), San Antonio, Texas. Sarah served as an Environmental Scientist for the proposed rehabilitation and repair of an 18-mile-long segment of SAWS pipeline in southeast San Antonio. She completed field work, environmental compliance documentation, and a Phase I Environmental Site Assessment (ESA). She also coordinated between the client and subconsultants, determined Section 404 permitting requirements, and made a Phase II ESA recommendation due to hazardous waste issues along the project.

C-5 Culebra and C-28 Zarzamora Creek Pipeline Project Environmental Compliance Document and Phase I, SAWS, San Antonio, Texas. Sarah served as an environmental specialist for the proposed rehabilitation and repair of several segments of SAWS pipeline near downtown San Antonio. She completed field work, environmental compliance documentation, and a Phase I ESA. Sarah also handled coordination between the client and subconsultants, prepared and submitted a pre-construction notification (PCN) under NWP 12 to the USACE, and made a Phase II recommendation due to hazardous material issues in the project area.

Babcock Road Improvements PCN, Bexar County, Texas. Sarah served as an environmental specialist for the proposed improvements to Babcock Road in northern San Antonio. She conducted field work to obtain limits of jurisdictional waters for permitting purposes and prepared a PCN under NWP 14 due to the presence of federally listed endangered species in the vicinity. Sarah coordinated with project engineers and U.S. Fish and Wildlife Service (USFWS) to minimize impacts to the habitat of this endangered species. Permit was approved by the USACE with no revisions necessary.

Galveston Island State Park Individual Permit, Texas Parks and Wildlife Department, Galveston, Texas. Sarah served as environmental specialist for this project and assisted in the preparation of an Individual Permit at Galveston Island State Park (GISP). The project included the construction of residences for GISP staff, maintenance facilities, and beachside camping facilities that were destroyed by Hurricane Ike. Sarah aided in completing wetland delineations on the beachside camping area and portions of the bayside area. She also prepared a NWP due to impacts to a small wetland from a proposed driveway.

San Felipe Creek Master Plan, City of Del Rio, Texas. As an assistant biological scientist, Sarah conducted a habitat assessment, wetlands and Waters of the U.S. determination, and native vegetation survey within the project area of the San Felipe Creek Master Plan project in Del Rio, Texas. The habitat assessment consisted of determining the presence of federally listed T&E species habitat for the Mountain Plover, Devils River minnow, and the San Felipe gambusia. Sarah aided in USFWS coordination which was required since the project was within critical habitat for the threatened Devils River minnow.