



## Aaron Rietveld

PROJECT MANAGER / HEAVY-CIVIL, DAM, HYDROPOWER & WATER RESOURCES BUSINESS DEVELOPMENT

### WORK EXPERIENCE

#### Barnard Companies, Bozeman, Montana (2003-Present)

SCOPE: Business Development – Heavy-Civil, Dam, Hydropower & Water Resources. Responsible for project acquisition, client relations, RFP and SOQ responses, value engineering, project value assessments, marketing coordination, and bid team assignments.

SCOPE: Project Manager. Responsibilities include quality control, purchasing, scheduling, manpower and equipment management, subcontract administration and contract negotiations. Also assists in preparing bids ranging from \$1 million to \$600 million involving underground utility work, earthwork, concrete structures, inland-marine work, riprap, dam rehabilitation, hydropower, soil cement and roller-compacted concrete. When not assigned to a project, leads an Estimating Team at the Home Office.

### EDUCATION

- *Bachelor of Science, Construction Engineering Technology*, graduated with Highest Honors  
Montana State University, Bozeman, Montana, 2001

### AWARDS / ACCOMPLISHMENTS

- 2012 New York City Department of Environmental Protection “EHS Site Management” Employee Award - Gilboa Dam Reconstruction Project
- 2007 U.S. Bureau of Reclamation Construction Safety Award – San Xavier Farm Rehab Project
- 2006 American Society of Civil Engineers’ Opal Award – Saluda Dam
- 2006 U.S. Society on Dams Award of Excellence in the Constructed Project – Saluda Dam
- 2006 AON Build America Award: New Municipal and Utilities – Saluda Dam

### PROFESSIONAL AFFILIATIONS

- U.S. Society on Dams (USSD), member
- Association of State Dam Safety Officials (ASDSO), member

### REPRESENTATIVE PROJECTS

#### Gilboa Dam Reconstruction Project (2011-2015)

Gilboa, New York. \$138 million. This project required reconstruction of the spillway control section of an early 1900s-era dam, including phased water diversion management, selective demolition, and placement of nearly 124,000 CY of concrete. The new spillway face was buttressed with nearly 66,000 CY of mass concrete and the spillway channel and plunge pool were completely demolished and reconstructed with a new underdrain system, 22,000 CY of dental/leveling concrete, 1,900-ea. rock anchors, and 24,000 CY of reinforced concrete slabs. The project also included modification and strengthening of spillway training walls, the addition of upstream embankment stone fill from barges, refurbishing the upper gate chamber, and further improving the dam’s instrumentation and surveillance systems. In addition, the Team performed significant site repairs to damage sustained by flooding from Hurricane Irene. This was a joint venture with D.A. Collins Construction Co., Inc.

#### San Vicente Foundation Preparatory Work (2009-2010)

Lakeside, California. \$27.35 million. This challenging preparatory project included: 111,000 CY of drilling and blasting and 167,000 CY of rock excavation, including excavation of steep abutments; 330,000 CY of crushing and processing; 325,000 CY of embankment construction; 1,800 CY of concrete demolition and another 145,000 SF of hydro demolition to 3-inch depth; underwater and heavy-lift construction to install 111-foot-tall, 500,000-lb. cofferdam; 100-foot-long tunnel penetration through the existing dam; 250 LF of 108-inch-diameter steel pipe; 160 LF of 42- and 48-inch steel pipe; 5,100 CY of foundation dental and shaping concrete; and 2,600 CY of reinforced concrete.

#### San Xavier Farm Rehabilitation (2005-2007)

San Xavier District, Tohono O’odham Nation, Pima County, Arizona. \$31 million. Complete rehabilitation of the existing farm including new mainline and lateral pipeline for irrigation water delivery and construction of embankments and flood channels to protect the farm from flash-flooding during rainy season. 446,407 CY flood channel excavation; 81,220 CY compacted embankments; 14,580 CY soil-cement; 32,560 CY gabions and riprap; 3,872 CY conventional

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### CONTINUING EDUCATION

- Skillpath Seminars Fundamentals of Successful Project Management, 2013
- OSHA 30-Hour Occupational Safety and Training Course Construction Safety and Health, 2013
- OSHA 10-Hour Occupational Safety and Training Course Construction Safety and Health, 2011
- Crane Regulation Change Overview Training, 2010
- Primavera Advanced P6 Training, 2008
- Ken Hansen RCC Seminar, 2004
- Breakthrough Training, 2004
- First Aid and CPR, 2004
- Karrass Effective Negotiating, 2003

### PUBLICATIONS

- *“Staying Dry - Cofferdam Challenges on the San Vicente Dam Raise Project,”* Proceedings of the 31st Annual Meeting & Conference for the United States Society on Dams (USSD), April 11-15, 2011, authored by Wayne O. MacDonell, P.E., Aaron Rietveld, and Gary Olvera.

concrete; 6,533 CY shotcrete; 68,141 LF PVC piping ranging from 2 to 36 inches; 1,335 LF metal piping ranging from 2 to 36 inches; electrical and telemetry systems.

SCOPE: Project Engineer. Performs a wide range of engineering/management functions, including planning, estimating, quality control, cost control, progress reporting, surveying, quantity tracking, purchasing, and subcontractor coordination. Responsible for obtaining, reviewing, and forwarding product submittals.

#### Saluda Dam Remediation Project. (2003-2005)

Columbia, South Carolina. \$188 million. Barnard was selected under an alternative procurement process that included significant value engineering. Reconstruction of an earthen embankment dam constructed in 1930 as part of a 206-Mw hydroelectric facility. 1.3 million CY of RCC; 4.1 million CY of Rockfill; 4.5 million CY of drilled and shot quarry excavation; sequenced toe excavation; zoned earthfill dam embankment; demolition and reconfiguration of large-diameter water lines; 4 million CY overburden removal and replacement; 30,000 CY mass concrete; extensive dewatering system; 34,080 SF beam and lag tieback walls; 14,300 SF cement-bentonite slurry tieback walls.

#### Tampa Bay Regional Reservoir. (2003)

Tampa, Florida. \$84.2 million. 12 million CY reservoir embankment; 2 million CY waste clay (slime) removal and disposal; 820,000 SF soil bentonite cut-off wall; 100-foot water tower control structure and bridge; drilled concrete caissons; 10,028 LF of 84-inch and 72-inch diameter steel pipe; 600 LF of 42-inch steel pipe; over 1 million SY geomembrane and geotextile fabric; 350,000 CY soil cement; construction of two reservoir access roads; treatment facilities area with chemical and compressor buildings and chemical containment storage area; 30,094 LF of 8-foot chain link fence; 800 acres and 1 million CY grading for three new wetland mitigation areas. Work was performed in extreme weather conditions: wettest December (2002) in recorded Florida history and three hurricanes (2004). Heavily monitored by the Department of Environmental Protection.

### OTHER WORK EXPERIENCE

#### Nielsen Dillingham Builders, San Diego, California, and Portland, Oregon (June 2001–May 2003)

SCOPE: Project Engineer. Sharp Memorial Hospital. San Diego, California. \$21 million. 122,500 SF ambulatory outpatient clinic. Handled change order review and pricing, RFIs, submittals, material procurement, closeout documentation, as-builts, CAD files and field investigations. Assisted in preparing bid packages and managing the estimating database for the Portland division of NDB. Prior to transferring to San Diego, was involved in a \$4 million mall renovation project in east Portland. Assisted in processing RFIs, submittals and closeout documents.

#### Nielsen Dillingham Builders, Bremerton, Washington (Summer 2000)

SCOPE: Technical Engineer Intern. Assisted the Project Engineer and Superintendent in technical and administrative functions on a \$24 million hospital clinic and parking garage for the Navy.