

Professional Summary

Eduardo San has wide-ranging experience in transportation engineering which includes roadway design, traffic control plans, erosion control plans, signing and striping, intersection design, and project inspection. Eduardo has served a range of public and private clients across the Front Range and the western United States. These clients include CDOT, Douglas and Arapahoe Counties, Commerce City, and the City and County of Denver, to name a few. His experience in the land development field has broadened his capabilities in grading, parking lot design, sanitary sewer design, storm sewer design, and water-line design. Eduardo is highly skilled in AutoCAD, GIS, Pipeworks, Microstation and Civil 3D.

Education:

- BS / Civil Engineering / Montana State University/ 1998

Registration:

- 2003 / Professional Engineer / Colorado, No. 38527

Professional Affiliations:

- American Council of Engineering Companies / Transportation Committee member

Project Experience ([Airport](#))

Denver International, DIW Improvements

Eduardo San assisted by providing civil engineering services to Burns and McDonnell in the design of the Deicing Waste project by providing storm sewer design, water line design, panel replacement and grading near Concourse B and several runways.

Denver International Airport-Pena Phase IB

Eduardo San is assisting by providing civil engineering services to RS&H in the design of 75th Avenue and Jackson Gap by providing roadway design, and stormwater management.

Denver International Airport-Utility Updates

Eduardo San assisted in providing civil engineering services to Martin/Martin in the addition of four grease interceptors, and water service lines as part of the Great Hall project. Design services included utility design and coordination, water line design, construction drawings, coordination with different stakeholders and specifications.

Denver International Airport-Digital Experience

As Lead Civil Engineer, Mr. San was in charge of grading, overall utility plan, storm water management, drainage and BIM modeling of the project utilizing Civil 3D for a project consisting of a digital display system near the airport entrance. Mr. San coordinated with Jacobs during the design and construction phase of this project.

Denver International Airport-Landside/Airfield Engineering Support

San Engineering currently provides engineering support through three civil engineers working full time for the Landside and Airfield groups at DIA. Mr. San has been responsible for providing continuing education of these engineers based on the demands of the airport as well as administrative and management support.

Project Experience (Transportation)

E. 75th Avenue and Jackson Gap, Denver, Colorado

As the Lead Engineer, Mr. San completed the realignment of E75th Avenue and roadway improvements to Jackson Gap near the Denver International Airport. Design Elements included roadway and intersection design, water design, utility design and drainage improvements. Civil 3D was utilized for this project.

Dakota Avenue Outfall, Denver, Colorado

Mr. San is currently in the design phase of roadway improvements as part of the construction of a new storm sewer system. Some of the design elements include 3D modeling using Civil 3D, roadway design, utility design, drainage improvements, and cost estimates.

14th Avenue Roadway Project, Denver, Colorado

As the Lead Engineer, Mr. San completed the reconstruction of 14th Avenue for the City and County of Denver. The project also encompassed Galapago St., Fox St., Elati St, and Delaware St. The project included roadway and intersection design, signing and striping, and erosion control. Land Development Desktop used in the design of the project.

Project Experience (Schools and Libraries)

West Branch Library, Denver, Colorado

San Engineering completed the civil design of a LEED Silver certified Denver Public Library. Design elements included site grading, utilities, drainage, demolition plans, geometric control layout, erosion control, stormwater management plan, cost estimates and specifications.

Athmar Library, Pauline-Robinson Library, Ross-Broadway Library, Hampden Library, Cherry Creek Library, Denver, Colorado

Mr. San completed the civil design to accommodate a wide range of additions to existing libraries throughout the metro area. These improvements included, parking lots, storm water management, Right-of-Way improvements among others.

Marrama, McGlone, Barney Ford, Godsman and McKinley Elementary Schools, Colorado

San Engineering provided site planning, grading, Right-of-Way improvements and storm sewer design for Denver Public Schools to update learning landscapes, playgrounds, and playing fields.

Project Experience (Utilities)

Pena Boulevard Water Improvements, Denver, Colorado

Eduardo completed water improvements along Pena Boulevard as part of a roadway reconstruction from Jackson Gap to the terminal. These improvements included a new non-potable water line, water lowerings, and the addition of several fire hydrants throughout the project.

Mexico/Oneida Drainage Improvements, Denver, Colorado

Eduardo is currently designing two storm sewer systems located within the City of Denver. These projects include improvements such as storm inlets, and storm sewer pipes which range in size from 18 to 36-inches in diameter. The project also included ADA pedestrian ramps throughout the project.

Dakota Avenue Outfall, Denver, Colorado

San Engineering is currently providing engineering services for the design of a storm sewer system which consists of large box culverts (8' x 14' RCBC). Some of the design elements consist of 3D modeling of the storm sewer system using Pipes in Civil 3D as well as assembling Construction Documents as a subconsultant to Parsons Brinckerhoff.

Project Experience (*Site Development*)

Colorado Convention Center, Denver, Colorado

Mr. San completed the public right of way improvements around the Colorado Convention Center. These improvements consisted of roadway improvements, ADA access around the site, and upgraded roof detention to accommodate a large addition to the Convention Center. Design elements included roadway improvements, site grading, utilities, drainage, demolition plans, geometric control layout, erosion control, stormwater management plan, cost estimates and specifications.

Project Experience (*Master Planning*)

Storm Water Master Plan, Colorado

San Engineering provided On-Call services for Matrix Design Group for the Storm Water Master Plan for the City and County of Denver. Services included horizontal and vertical alignment, and sizing of the storm sewer grid.

National Western Center

Eduardo San provided civil engineering and master planning services for the 30% design of the National Western Center development. Design elements included overall utility layout for wet and dry utilities including: water lines, storm drain and sanitary plan and profile sheets. Overall sizing of storm sewer based on flows provided by others. Cost estimates, and exhibits.

Project Experience (*Park/Playground*)

Cornerstone Park, City of Englewood, Colorado

Eduardo San helped complete the design of an existing 20 Acre Park which received a new parking lot, roadway access improvements, and park improvements. Design elements consisted of parking lot design, roadway design, master plan drainage, drainage report, detention/water quality improvements, grading, erosion control plans, and storm water improvements.

Barnum Park Splash Pads, City of Denver, Colorado

San Engineering is providing all the civil and structural engineering for the addition of splash pads to the existing Barnum Park located within the City and County of Denver. This project included water quality, Right-of-Way improvements, utility layout and grading, drainage report, structural design of foundations and walls.

Benedict Park, Denver, City of Denver, Colorado

San Engineering provided Civil and Structural engineering design services for Denver Parks and Recreation. Some of the civil design elements included drainage and stormwater management. Structural engineering for a park monument was also provided for this project.

Eduardo San, PE
Managing Member
Civil Engineering Manager

Ruby Hill Park, Denver, City of Denver, Colorado

San Engineering provided Structural engineering design services for Denver Parks and Recreation. A cast in place outlook structure was designed as part of our services.

Johnson Habitat Park, Denver, City of Denver, Colorado

San Engineering provided Civil and Structural engineering design services for Denver Parks and Recreation. San Engineering provided Denver Water construction documents for a 4-inch irrigation line and a domestic tap. Also, shelter foundations, fire pit, rock structures, retaining walls, seat walls, foundations and a steel dock design was provided by our structural group.

Monaco Park, City of Commerce City, Colorado

Eduardo San helped complete the design of an existing 19 Acre Park which received new park improvements. Design elements consisted of Master Plan Drainage for existing park, drainage report, detention/water quality improvements, grading, erosion control plans, and storm water management narrative.