

Christopher M. Wasia

Professional Engineer

EDUCATION

M.S. Civil Engineering, Emphasis in Hydrological Studies, Montana State University, 1998
B.S. Civil Engineering, Montana State University, 1992

SPECIALIZATION

Project Management, Construction Management, Design of Extreme Terrain Access and Development Design Processes, Due Diligence Studies, Hydrological and Flood Analysis (HEC-RAS, SCS TR-55), Storm Water Design, Detention Pond Design, Septic System Design and Permitting, Digital Terrain Modeling, Water Distribution Systems, Airport Layout and Design, Construction & Topo Surveying, Computer Aided Design, Drafting, GIS & Google Earth programming.

REGISTRATION

Professional Engineer: Montana (10959PE) and North Dakota (PE-7640)

PROFESSIONAL SUMMARY

Mr. Wasia has over 21 years of practice in engineering and is responsible for agency submittals, construction observation, survey layout, computer design and drafting of road and municipal projects, plats, plans, and airport design and layout. Mr. Wasia has worked in Madison, Wisconsin, Big Sky, Bozeman, Belgrade, & Livingston Montana on various development and municipal improvement projects. His experience includes WaterCad, water distribution system modeling, community reservoir & storage tank sizing and multiple pressure zone water distribution system design as well as community onsite septic solutions. His development experience includes site layout and design of residential subdivisions, condominiums, commercial plazas, business parks, and resorts. He also designed, surveyed and managed construction for more than 90 miles of mountain roads in the Big Sky and Bridger, Montana areas. Chris has developed software for detention pond/outlet structure design and analysis and his thesis in graduate school was to study the effects of effluent on intermittent soil infiltration rates. He is also responsible for digital terrain modeling, mass balancing, developing construction cost estimates for all heavy construction projects such as water, sewer, road and storm main distribution systems as well as the daily management of Genesis. Chris also provides services in floodplain analysis and permitting.

PROFESSIONAL ASSIGNMENTS

2008 to Present Genesis Engineering, Inc.
1995 to 2008 Morrison-Maierle, Inc.
1992 to 1995 Held and Associates, Inc

RELEVANT EXPERIENCE

- Billion Auto Plaza Nissan, GM & Chrysler Commercial Sites (total of 133,000 sqft of buildings)
- J & D Mixed Use Subdivision and Construction Administration
- Yellowstone Preserve - Big Sky, 1600 acre Resort Development, Mountain Roads
- Expert witness: Rocky Mountain Surgical Center Site Plan - Redesign
- Gallatin Field - Airport Improvement Programs from 1996-2000, Belgrade, MT
- Gallatin Center Commercial Subdivision, Roads, Water, Sewer and Grading and Drainage Plan, Bozeman, MT
- Zoot Enterprises Headquarters - 450 office complex, Site Plan & construction administration, Bozeman, MT
- Galactic Park Subdivision - Hydrological Study and Report to County Commission
- Yellowstone Preserve Livingston - Design 850 unit Subdivision, Livingston, MT
- Target Stores Site Plan and Construction Administration, Bozeman, MT
- Dick Andersen Business Park - Roads, Water, Sewer & Grading and Drainage Plan
- Costco Site Plan - Grading and Drainage - Kalispell, MT
- Holiday Stores Site Plan, Bozeman, MT
- Stoneridge Commercial Development Grading and Drainage Plan, Bozeman, MT
- Harvest Creek Grading and Drainage Plan, Bozeman, MT
- Spanish Peaks Resort Development, Phases 1 - 5, Big Sky, MT
- Porcupine Park Estates Subdivision, Big Sky, MT
- Big EZ Estates, Resort Development, Big Sky, MT
- Galactic Park Mixed Use Subdivision Design and Construction Administration, Bozeman, MT
- Westwynde I & II Subdivision, Madison, WI

- City of Bozeman Hyalite Water Transmission Line Design & Modeling
- Greathorn Ranch Subdivision – Big Sky, MT
- K-Ranch Subdivision – Big Sky, MT
- City of Bozeman Northwest Trunk Water Line Design & Modeling multiple pressure zones
- Longview Estates Subdivision, Big Sky, MT
- Manley Meadows Subdivision, Bozeman, MT
- North Pass Development Septic System Design and Permitting
- Moondance Subdivision Road Maintenance Management
- Northfork Road Maintenance Management
- Brookeshire Floodplain Study
- Stanley Village 280 Unit Man Camp – Design and Approval - ND
- Walker Village 261 Unit Man Camp – Design & Approval - ND
- Manley Meadows – Hydrological Study and Report to County Commission
- Gallatin River Geomorphology Studies 2008
- Various Certificates of Survey in partnership
- Multiple Big Sky Fire Fill Site Designs and Construction Observation
- Various Individual Septic System Designs and Permits
- Mandeville Creek Enhancement and Realignment
- Martha Johnson Marketing Maps
- Scott Maybee Due Diligence Studies
- Expert witness – Elkgrove Pavement Failure Report & Testimony
- Ossario Marketing Maps
- Oakwood Ground Water Monitoring Project
- Legends Subdivision – Flooplain Analysys and Report to City
- Sewenson Ground Water Monitoring Project
- Legends Subdivision – Grading and Drainage Plans
- Schapp Floodplain GPS Survey – LOMA C
- Vap Mountain Road Design – Big Sky, MT
- Olsen Development Due Diligence Study
- Hart Ranch – Groundwater Monitoring Project
- Lucia Development Due Diligence Study
- Weinberg Flood Elevation Certificate Survey
- Riverwood Ranch Dewatering System
- Target Logistical Liftstation Design – ND
- Southfork Investments – Marketing Maps
- Guinn Groundwater Study and Report
- Expert witness – Stevens Home Flood & Testimony
- Expert witness – Hutchison Road Assessment & Federal Court Testimony
- Village of Mt. Horeb Street Restoration Projects 1993-1995, Madison, WI