



**LANDSCAPE  
ARCHITECTURE  
SPORTS, RECREATION &  
OPEN SPACE**

## Who is the Binnie LAB?



### We Are Landscape Architects and Engineers

Binnie has a dedicated group of over 20 sports and recreation professionals, landscape architects, engineers, and technicians who are responsible for Binnie's creative design portfolio and specialize in municipal parks and recreation projects. These professionals—**The Binnie LAB**— are well known for their specialized services through all project phases: planning, conceptual design, public engagement, tender document preparation and through to construction and implementation.

We understand how to balance the desire for innovative and creative design solutions with restricted capital budgets and the on-going operating programs commonly found in public sector projects. Our studio can also use additional resources and specialists from Binnie's other disciplines as needed to meet timelines and budgets.

Our multi-disciplined teams can capitalize on the pool of additional resources and knowledge from Binnie's other divisions to best support projects, achieve effective solutions, and meet timelines and budgets. Working alongside our landscape architects, our civil engineers bring technical excellence, design rigour, and overall project management skill. Our background gives us a unique advantage on public-sector projects, and gives our clients access to a robust, multi-disciplinary team from a single point of contact.

### Our Expertise:

- Sports & Recreation Professionals
- Landscape Architects
- Certified Arborists
- LEED-Certified Engineers
- Surveyors
- Irrigation Designers

### Advantages

- Flexible processes
- Challenge-driven
- Solutions-oriented
- A large multi-disciplinary company with the feel of a boutique firm

### Value Added Services

- Input from staff who serve on advisory design panels
- Fully integrated with our civil team
- Advocates of native planting
- Calgary-based office with extensive experience with municipal clients across the Province
- Knowledgeable in podium and on-slab landscape design

# Landscape Architecture, Sports, Recreation & Open Spaces Specialists

Binnie's LAB team is comprised of a dedicated group of landscape architects, engineers, and technicians who are responsible for Binnie's creative design portfolio and specialize in the following:



## Trail Planning and Design

- Urban Trail Planning and Design
- Rural/Mixed-use Trail Planning and Design
- Pedestrian Planning and Wayfinding
- Equestrian Planning and Design



## Construction Services

- Project Management
- Contract Administration
- Project Tendering
- Inspection



## Parks and Open Space Design

- Master Planning
- Feasibility Studies
- Construction Design and Detailing
- Baseball, Soccer, and Artificial Turf Fields
- Multi-use Hard Court Design
- Dog Off-leash Design
- Playgrounds
- Picnic and Day-use Areas
- Irrigation Design



## Municipal/Land Development Services

- Streetscape Design
- Pedestrian Movement Planning
- Parking Design and Planning for Public, Commercial, Industrial, and Residential Spaces
- On-site/Off-site Landscape Design



## Graphic Design

- Photo Simulations and 3D Visualizations
- Public Displays



## Recreation Planning and Design

- Conceptual Design
- Budget Phasing
- Public Facilitation/Community
- Vision Planning
- Feasibility Reviews

## Arborist Services

From the early stages of project planning to construction supervision, we provide full consulting Arborist services for a variety of public and private projects.

We strive to preserve healthy trees where feasible and provide design guidance to minimize a project's impact. In-house Arborist Services at Binnie means convenience for our clients. Our in-house survey team assists with tree survey accuracy, working directly with our landscape architects and civil engineers during design, which leads to a more precise design.

We begin a project by conducting field work to assess the trees that may be impacted by the project. We then follow up with an Arborist Report, prepared by our ISA Certified Arborist, outlining tree details, tree health, and tree retention / removal recommendations.



## Sports & Recreation



Did you know Calgary's athletic parks and playfields are highly valued recreational spaces, with over **700** sports groups booking these facilities annually?

### Projects we have been involved in over the past **20** years:

More than **200** Sports facility projects including:

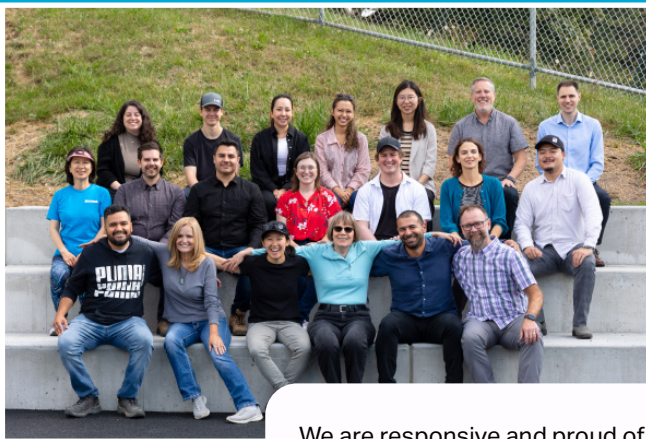
Over **100** Synthetic turf fields

**35** Natural grass sports fields

Running tracks

Tennis courts

Various other athletic infrastructure assignments



We are responsive and proud of the work we do.

Our talented team is committed to developing projects that enhance community livability and that are sustainable and long-lasting.

**You want to develop active and vibrant communities that engage residents; we want to help you create and build spaces that connect people to their communities.**



### Our in-house, multi-disciplinary team offers a wide range of services for your Sports and Recreation projects:

- Our services include site planning, master planning, and visioning for outdoor sports facilities.
- We provide feasibility studies, service assessments, impact analysis, and cost projections.
- We can lead public consultation and stakeholder engagement processes including presenting to project stakeholders, preparing open house materials, and communicating on your website or on social media.
- Cost Management: You will know and understand any costs. We provide accurate information throughout the project.
- Drainage design, stormwater management, and siltation control are key elements of your project – we use our engineering expertise to develop effective and cost-sensitive drainage solutions.
- Our landscape designers are an integral part of our outdoor sports facility team; they are involved in integrating best landscape architecture principles into your projects.
- Contract administration, including specification writing, contract document preparation, tendering, and inspection: our internal systems are rigorous and use best practices methodology to ensure that each project is managed effectively.

## Design and Construction Administration Services



### We offer design and construction administration services for:

**Synthetic turf fields:** We have substantial experience in engineering the complete field base and drainage systems and have worked with all major North American synthetic turf companies. Our projects include FIH Global field hockey pitches, FIFA Quality soccer fields, and IRB One Turf compliant rugby fields.

**Natural grass sports fields:** Irrigated sand-based fields and soil-based fields for baseball, softball, soccer, football, cricket, and other sports. We provide full design services for natural grass fields, including all civil works (fencing, grading, surrounding infrastructure), irrigation, drainage, soil profile, rootzone mix design, grass turf fertility, and maintenance.

#### **Community & Regional Parks:**

We have overseen numerous park design and implementation projects including amenities such as playgrounds, splash pads, off-leash dog spaces, shade shelters, washroom facilities, and more.

**Running Track Facilities:** Full competition level IAAF Class 1 tracks, track events including hammer/discus, high jump, long/triple jump, shot put, javelin and pole vault, community cinder tracks, school tracks and informal jogging tracks for parks and schools. We are also experienced in track re-surfacing and re-construction.

#### **Trail Systems & Multi-Use Pathways:**

Our team has extensive experience designing and constructing various trail systems. Gravel, asphalt, concrete, nature and poured-in-place rubber are all mediums we are familiar with when it comes to trail construction. Pathways & trails are key linkages within the built environment and we understand how to design these systems to capitalize on existing infrastructure while ensuring equitable access to natural areas and open spaces within a community.

**Courts:** We are experienced tennis court, basketball court, ball hockey, and lacrosse court designers.

# Feature Alberta Projects:



### **Blair Arbuthnot, AALA, LEED Green Associate** **Landscape Architecture Sports & Recreation Manager**



In addition to his Master's in Landscape Architecture and a Bachelor's degree in Environmental Studies, Blair was the first Landscape Architect in BC to become a Certified Master Municipal Construction Documents (MMCD) Contract Administrator. He continues to lead the construction management of Binnie's Parks and Recreation projects. He has a strong understanding of municipal operations and the need for stakeholder engagement, public consultation, and working within a master plan environment.

Listening to what users want and designing to deliver on those wants is a priority for successful projects. To discuss your project, please contact Blair at 1-778-945-6101 or by emailing [barbuthnot@binnie.com](mailto:barbuthnot@binnie.com).

### **Cassandra Dell'Aquila, BLA, OALA, AALA** **Senior Landscape Architect**



Cassandra is a Senior Landscape Architect at Binnie's LAB Division with 8 years of experience performing many complex tasks from concept through to completion. She oversees talented teams of consultants to ensure projects are executed with the highest level of client satisfaction while maintaining budgets and timelines. Her skills include site analysis, inspections, detailed design and tender packages, master planning, and trail system design and public engagement. Having professional experience in both the private and public sectors, she is an excellent person to lead municipal projects of any scope.

Recently, she completed the FireSmart Interpretive Trail & Demonstration Garden in Fort McMurray, focusing on local ecology and FireSmart education. As Project Lead and Contract Administrator, Cassandra successfully met Red Cross Grant requirements and delivered the project's goals. To discuss your project, please contact Cassandra at (587) 392-6414 or by emailing [cdellaquila@binnie.com](mailto:cdellaquila@binnie.com).



- Civil engineering
- Construction management services
- Geomatics
- Land development
- **Landscape architecture**
- Legal survey
- Municipal services
- Northern
- **Sports and recreation**
- Project management services
- Traffic engineering
- Transportation engineering

#### **Burnaby Office:**

300-4940 Canada Way  
Burnaby, BC V5G 4K6  
T (604)-420-1721  
[ask@binnie.com](mailto:ask@binnie.com)  
[www.binnie.com](http://www.binnie.com)



[ask@binnie.com](mailto:ask@binnie.com)  
[www.binnie.com](http://www.binnie.com)



**Our Offices:**

Burnaby  
Calgary  
Kamloops

Langley  
Prince George  
Squamish