

# Strawberry Hill Bike Park

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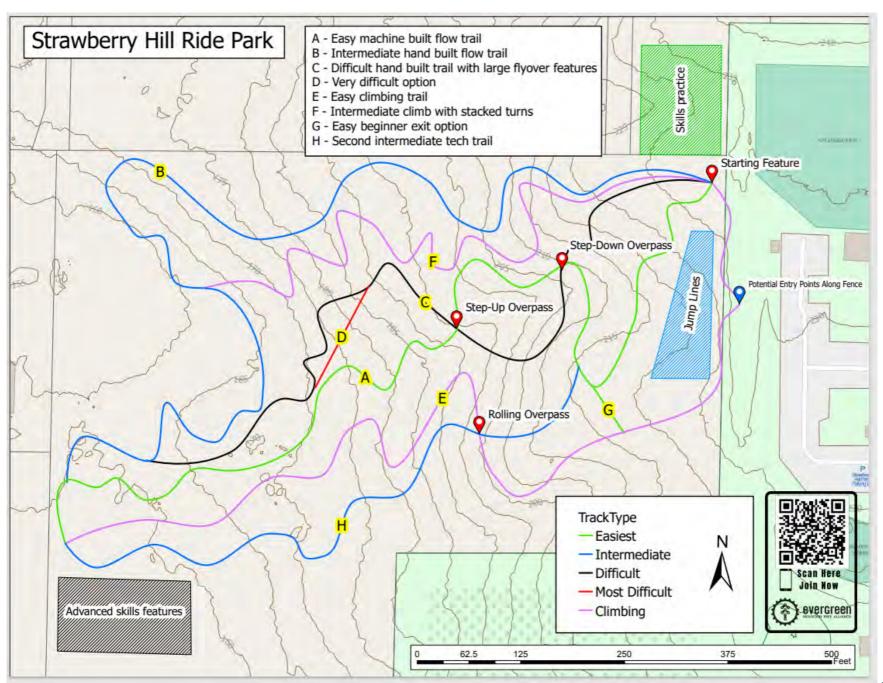




# Design Overview

- Family oriented bike park
- Trails and skills park are designed with progression in mind
- Trail design utilizes stacked loops to create more options for riders and reduce user interactions
- The basic trail rating system features 4 difficulty levels that may be familiar to skiers:
  - Green circle
  - Blue square
  - Black diamond
  - Double Black Diamond
- Most trails will be rated at the easy and intermediate levels (green and blue), and include one black diamond, and one double black trail.





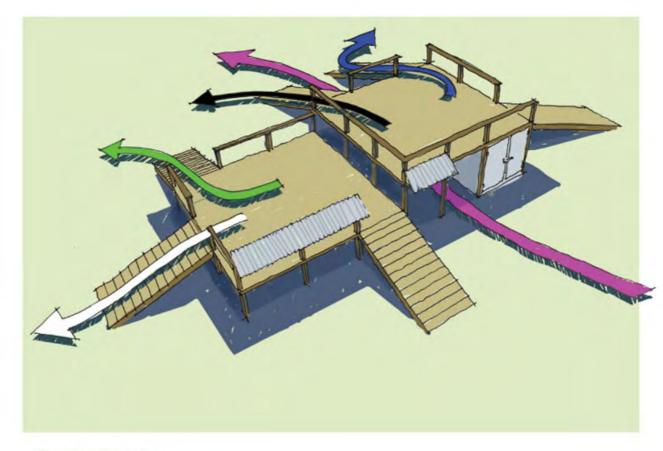




Start Ramp Drops Roll Downs Rock Garden Overpass Skinny Roller Coaster **Tabletop Jump** Berms







Starting Feature





#### **Skill Building Feature: Drops**

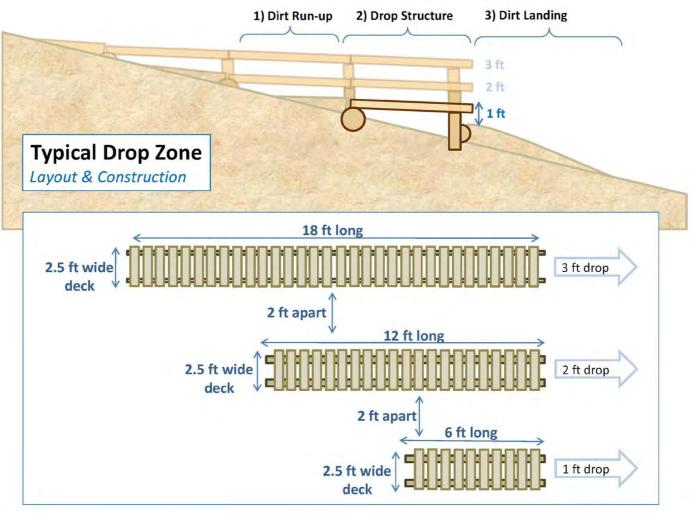
- Practice controlling the bike over drop offs and ledges
- Strong bike control and confidence builder
- •Man made drop features less common in back country trails, but natural drops off of roots or rocks are common.















- Learn to ride down steep faces
- Tires stay on ground
- Simulates changes terrain









#### **Skill Building Feature: Rock Garden**

- Build different levels of difficulty
- Gain experience and confidence riding over stone surfaces.
- Natural rock sections on nearby mountains less intimidating









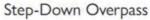
- Trail Feature: Overpass
- Creates a fun way to manage intersections, and allows trails to use the space better
- Intermediate trails only. Beginner trail goes underneath
- Railing to prevent falls





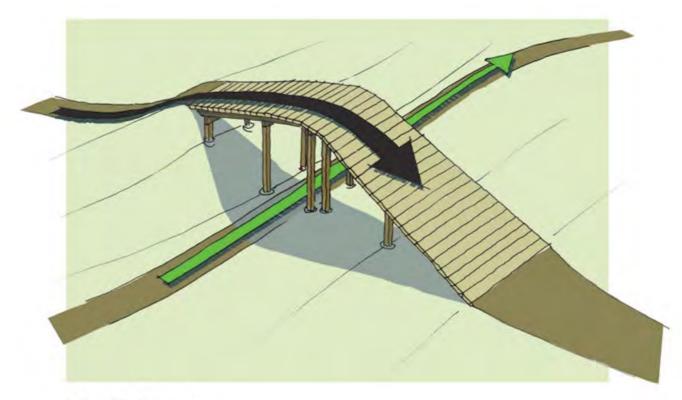








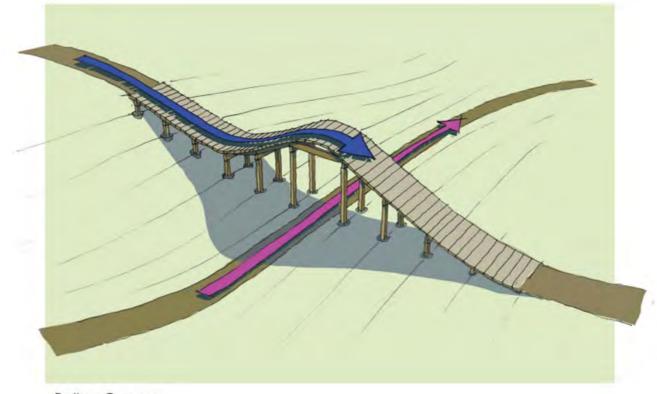




Step-Up Overpass













Trail Feature: Skinny & Roller Coaster

- Roller Coaster
- Skinnies









**Skill Building Feature: Tabletop Jumps** 

Tabletop Jumps

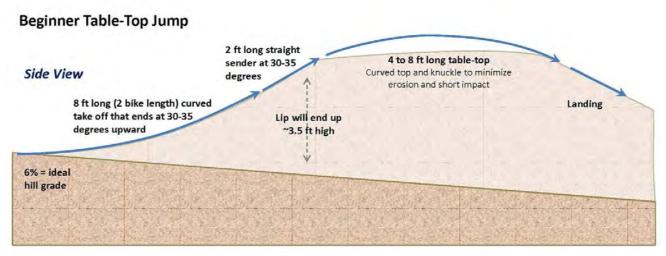


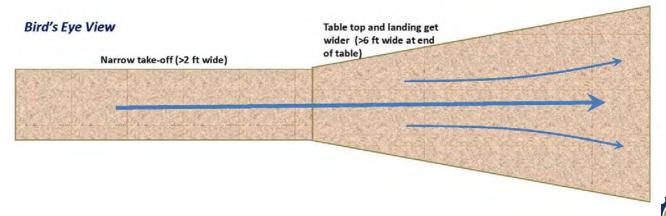






#### **Skill Building Feature: Tabletop Jumps**







**Skill Building Feature: Berms** 

Berms









# Safety

- Design for target users
- Create clear sight lines
- Intersections, stopped rider, pedestrian
- Use clear signage
- Incorporate gateway features.
- Fall Zones
- More difficult features are optional with ride arounds
- When gateway features aren't a good option
- Slow traffic down for intersections





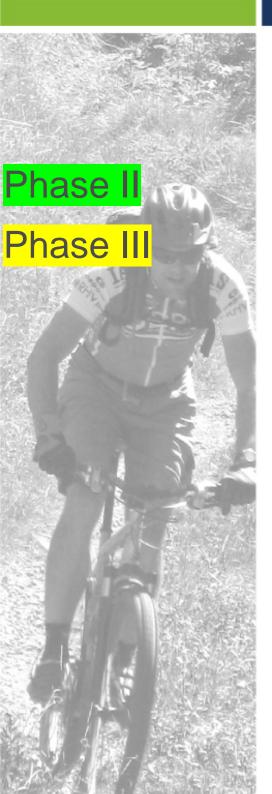




Phase 2: Permitting (Scope provided by The Watershed Company)

- Task 1: Design Development and Construction Documentation
- Plans will be developed in AutoCAD using GIS data. Site plans will be drawn at 1"=40' or at a scale that will provide sufficient detail to communicate the improvements.
  - Cover page with vicinity map, legend, and general notes
  - Site Plan
  - Site Plan Details
  - Construction Stormwater Pollution Prevention Plan (TESC Plan)
  - Trail Construction Details
  - Civil Details
  - Structural Details





Phase 2: Permitting (Scope provided by The Watershed Company)

- Task 2: Permitting
- Per-application conference
- SEPA Checklist
- Land Use Review
  - Minor Site Plan Review
- Construction Permits
  - Site Assessment Review
  - Tree Removal/Vegetation Maintenance Permit
  - Building Permit Miscellaneous





TASK	TOTAL CONSULTANT FEES (Labor and Expenses)		
Task 1: Design Development and Construction Documentation	\$54,724		
Task 2: Permitting	\$3,021		
Expenses (mileage, reproduction, etc.)	\$312		
Total Project Cost	\$58,058		



Phase 3: Construction

Trail	Number of weeks to build
Green Descent	5
Green Climb	4
Blue Flow	7
Black Diamond	12
Double Black	2.4
Blue Climb	5
Blue Technical Trail	6.5
Jump Lines	4.5
Skills Area	6
Total:	52.4





#### Budget

#### **Strawberry Hill Construction Cost Estimate**

SH Bike Park 1	Trails Director \$75/hr	Project Manager Machine Operat Trail Builder			Total Cost
Task/Item		\$60/hr	\$120/hr	\$75/hr	
Trail building services (including project					
management and communications)	72	200	300	1200	\$143,400.00
Materials for wood structures					\$139,933.00
Granite for rock features					\$10,530.00
Overtime for weekend work party direction					\$10,000.00
Travel expenses					\$10,530.00
Tools, equipment, other materials, supplies					\$8,424.00
Signage (including installation labor)					\$4,212.00
Sub-Total					\$327,029.00
Tax 10.25%					\$33,520.47
Total					\$360,549.47
T+15% contingency					\$414,631.89





Motion to approve the final mountain bike park design and move forward with developing construction documents and issuing the construction bid.

