

2020 Honorable Mention

Hale Park Skatepark

By Ryan "Peabody" McWhirter

Shotcrete was essential to create the smooth flowing transitions, curves, and blends required in the construction of the Hale Park Skatepark in Wenatchee, WA. All of our skateparks, including Hale Park, are constructed of steel reinforced shotcrete with a minimum 28-day compressive strength of 4000 lb/in² (28 MPa) – often breaking over 5000 lb/in² (34 MPa) in just 7 days. Using proprietary techniques and products, developed over the years, we can form and sculpt shotcrete into virtually any shape imaginable. This gives us the ability to produce any skate feature requested or imagined by the project stakeholders.

Concrete also provides an opportunity to add color concrete stains. A red stain was used to create the Apple



Bowl, paying tribute to the rich, world famous apple producing community of the Wenatchee Valley. Black stains were used in other areas of the skatepark to give the park a modern look. The concrete and shotcrete were hand troweled to a buttery smooth finish that our craftsmen are well known for.

All of the skateable transitions and banks used a 4000 lb/in² shotcrete mix. Approximately 132 yd³ (101 m³) of shotcrete were placed during the construction of this project. This project was designed with shotcrete from the beginning and thus allowed the designers to have more freedom in the design



process because of shotcrete's versatility. Using shotcrete allows us to sculpt any shape, including an apple.

Concrete was the main construction material used in this project and shotcreting was the preferred method of placement. For the flat sections we cast a small rock mix very similar to our shotcrete mix. We pumped this castable flat section mix with our Putzmeister TK-50 pump. This ensured that our flat bottom sections have the same high quality concrete as our shotcreted transitions, banks and walls.

Grindline was also the designer for this project. We included shotcrete in our

plans and specifications and also require all shotcrete be placed and finished by a qualified skatepark contractor, with an ACI-certified shotcrete nozzleman. The skatepark company's qualifications and ACI-nozzleman certifications were required to be submitted at time of bidding, Grindline has been using shotcrete as our main means of concrete placement even before we were incorporated in 2002. Shotcrete was the required placement method for concrete in the construction documents for the majority of the skatepark.

Without shotcrete and experienced skatepark craftsmen, this project would not have been possible. Shotcrete was the only way we were able to achieve the smooth flowing transitions, curves, and blends mandatory in quality skatepark construction.



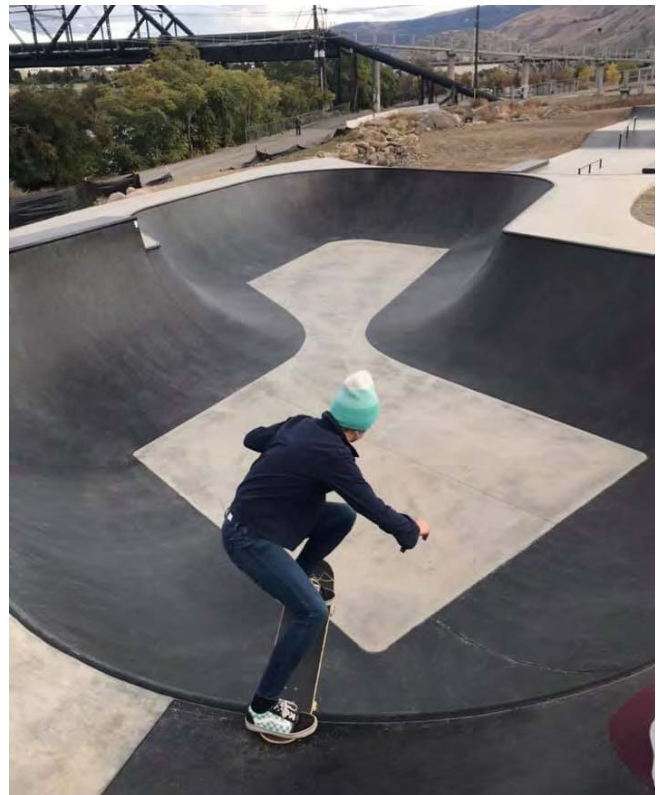


Since 2002, the Grindline team has designed, sculpted, and skated millions of tons of shotcrete across the United States and around the World. Our expertise is translating the needs of local skaters into skatepark designs that will propel them into the future. On every project we consider the environment, topography, safety, skill development, budget, accessibility, and user volume in the designs for our clients. We have designed and constructed over 250 skateparks, from Orcas Island in Washington State to the Holy Lands of Israel, giving us an intimate understanding of building community through skateboarding.



Ryan "Peabody" McWhirter became interested in shotcrete through his former career as a professional skateboarder. Ryan started skateboarding when he was 11 and at the age of 16, he became a professional skateboarder. Traveling the world as a skateboarding professional piqued Ryan's interest in the unique shapes and forms

that could be created with shotcrete. Ryan started working with Grindline Skateparks and Johnson Western Gunite 15 years ago and has been working with concrete and shotcrete ever since. He is a certified shotcrete nozzleman and also an accomplished wireman and concrete finisher. Ryan currently is the shotcrete nozzleman on the Seattle Center Skatepark project for Grindline Skateparks.



2020 HONORABLE MENTION

Project Name
Hale Park Skatepark

Location
Wenatchee, WA

Shotcrete Contractor, Architect/Engineer, and General Contractor
Grindline Skateparks*

Materials Supplier
Wenatchee Sand & Gravel/ Central Washington Concrete

Project Owner
City of Wenatchee

**ASA Sustaining Corporate or Corporate Member*