

Orillia Recreation Facility

255 West St. S.



Progress Report: Foundations and Steel Work



Steel work is underway for the new Orillia Recreation Facility. Residents can look forward to seeing the building continue to rise throughout the rest of 2017 with enclosure anticipated for early 2018.

FALL 2017



- Aerial photo of the 255 West St. S. site taken from a drone flight in October. For a birds-eye-view of the site, visit the City of Orillia's YouTube channel or orillia.ca/recreationfacility.





Recreation project wins national Brownie Award

The Orillia Recreation Facility was recognized nationally with a 2016 Brownie Award. Awarded by the Canadian Brownfields Network (CBN), a Brownie Award recognizes excellence in the remediation and redevelopment of brownfield sites across Canada. The Orillia project won the REBUILD – Redevelopment at the Local/Site Scale category.



“This national award recognizing excellence in brownfield redevelopment proves that there is much to celebrate as we bring new life to a brownfield in the heart of our community.” - MAYOR STEVE CLARKE

Steel work continues

The structural steel work for the facility is divided into four phases with Phase 1 in the pool change room area now complete. Phase 2, which is the multi-purpose rooms, gymnasium change rooms and fitness centre is on site and erection is currently underway.

It is expected that the steel for Phase 3 and 4 will be on site before the end of December.

Laying the foundation for progress

Soil & Capping

As a requirement of the Ministry of the Environment and Climate Change Certificate of Property Use, the entire 36-acre site must be capped first with a clay layer and then with soil. Active use areas require more soil than the passive use areas or parking areas that are capped with asphalt. For the clay layer, a geosynthetic clay liner is first placed on the soil, which creates a physical barrier between the contaminated soil and the clean capped layer of soil. This process is almost complete and should be complete by mid-December. Surplus soil from the West Orillia Employment Lands on University Avenue is being transported to the recreation site. As of the end of November, approximately 9,000 truckloads of soil have been transported to the site. This work will continue over the next few weeks.

Foundations

For soil stabilization, the project utilized geopier technology. This technology uses rammed aggregate piers placed in strategic locations to improve the strength of the soils for the building foundation support. This method of construction does not require the removal or disturbance of the native soils under the building footprint. Over a two-month period, 1,450 rammed aggregate piers were installed on site.

Concrete forming

Concrete forming has been completed for the foundation walls of the building.

Pool

Work is well underway for the eight-lane, 25-metre pool. The pool floor has been poured, waterproofing of the walls is complete and the pool deck has been poured.

Staff are currently reviewing final details for the pool mechanical systems, including using Ultraviolet (UV) light. UV provides a secondary disinfection measure for the pool in addition to chlorine and assists in eliminating the chlorine smell common in pools. Having a UV system eliminates chloramines, which can reduce the lifespan of the pool's mechanical system.

In addition, using a UV system allows for lower amounts of chlorine to be used in the pool which improves water clarity and user comfort.



Detailed design rendering of main floor.

Next steps

Mechanical, electrical and steel work will continue on site. It is anticipated that enclosure of the building will take place in early 2018. Following enclosure, construction in the building will take place in a phased manner on interior finishes, walls, flooring, elevator, stairs, plumbing rough-ins, mechanical and electrical rough-ins.

Phase 1 - Pool change rooms

Phase 2 - Fitness centre, gymnasium change rooms and multi-purpose rooms

Phase 3 - Pool

Phase 4 - Gymnasium

Site work and landscaping including trail work will take place throughout the spring of 2018.



Aerial photo of the 255 West St. S. site taken in October 2017.



Overview of facility amenities



FITNESS CENTRE

- 25m, 8-lane lap pool with viewing area.
- Moveable pool floor will accommodate various uses and activities such as synchronized swimming, water polo, diving and underwater hockey.
- Rock climbing wall, tarzan rope, 1m and 3m diving boards in the lap pool.
- Therapeutic pool with staggered jet system.
- Leisure pool with play features and whale-shaped water channel.
- Gymnasium, which accommodates two FIBA-sized basketball courts, six badminton courts, six pickleball courts, three volleyball courts, and a viewing area. Gymnasium can be divided into two separate gyms using a hard gym wall.
- Dedicated preschool room.
- Multi-purpose room that can be divided into two smaller rooms with a kitchenette.
- Fitness centre including studio fitness rooms and enclosed stretching area.
- 235m walking/jogging track.
- Orillia Sports Hall of Fame Lounge.
- Outdoor walking trails and connecting bridge to the Lightfoot Trail System.

“In 2018, we will make history in the City of Orillia as we open the doors to our new recreation facility. This project is the biggest in the City’s history. Our residents have been waiting for a very long time for a recreation facility. When complete, the facility will not just be a building for users to swim or workout, but it will be the social heart of our community.”

-MAYOR STEVE CLARKE

Find us online at orillia.ca/recreationfacility



Watch “Orillia’s Recreation Facility Project: Drone Flight October 2017” on YouTube today!

