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Children's Hospital of Saskatchewan Phase 2 Main Building Construction Tender Award

Children's Hospital of Saskatchewan (CHS), connected to Royal University Hospital (RUH) in Saskatoon, will be both a maternal and children's hospital for the entire province of Saskatchewan, and will be home to a new adult and pediatric emergency department that will serve both CHS and RUH. The facility will have a total of 176 beds.

Financials

In 2009, the province committed \$200 million to design and construct a 152-bed hospital based on 2007 cost projections. In July 2012, the provincial government approved the early design of the new hospital and boosted its initial investment of \$200 million by \$15.5 million, for a total of \$215.5 million.

On April 23, 2014, due to an all-time population high in Saskatchewan, the provincial government announced an additional \$20 million in funding to support an increase of 24 inpatient rooms to the design of CHS. This increased the overall size of the hospital by approximately 11% to just under 38,000 square metres. The rooms were added to the second, third and fourth floors and did not require a redesign of the entire building.

The 2014 announcement brings the province's total investment for the new maternal and children's hospital to **\$235.5 million**.

Saskatoon Health Region received and invested the initial \$200 million from the Saskatchewan government to earn interest and further fund the facility. It is anticipated to earn \$21.4 million in interest from these investments.

The Children's Hospital Foundation of Saskatchewan (CHFS) has committed to raising \$46.2 million for state-of-the-art equipment, furnishings, and patient and family enhancements for the hospital, which is customary for Foundations involved with new hospital construction projects in Saskatchewan. In addition, CHFS has championed \$3.4 million in hospital enhancements such as a family theatre and child life space.

CHFS has now committed to raising additional funds for capital construction of \$24.9 million, expanding its capital campaign from \$50 million to \$74.9 million.

Construction

General contractors were pre-qualified to bid on the project in spring 2014 by the CHS project team to ensure bidders had the capacity, experience and financial capability to complete a project with the complexities of CHS. Construction documents, which included 11 volumes of drawings and four volumes of technical specifications, were completed and released for bidding in February 2015.

Graham Construction was the construction manager for Phase 1 construction (piling and foundations), and oversaw the work of a specialty contractor. The approximately 240 pilings were successfully completed on schedule in March 2015. All the pilings installed were reviewed by an independent testing engineer to ensure they met industry standards.

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Design and special features

CHS is a hospital made in Saskatchewan for Saskatchewan. Saskatoon Health Region has gathered design ideas through in-person design sessions around the province, mail-in design activities, and online surveys. The voices of over 1,000 public and family members, and over 600 children and teenagers from Saskatchewan, in addition to hundreds of Health Region employees, physicians and Saskatoon families, have contributed to the design of the hospital so that it meets the unique needs of patients and families from across Saskatchewan.

The state-of-the art, five-floor hospital will include:

- 100 % private patient rooms with dedicated sleep space for supportive partners or family.
- 100% private exam rooms in both the new pediatric and adult emergency department.
- maternal care services on a single floor. Many pregnant women will now labour, give birth and stay with their new baby in the same private room. Each room will have dedicated sleep space for a supportive partner.
- three dedicated maternal operating rooms on the maternal floor with a direct patient elevator connection to neonatal intensive care (NICU).
- 100% dedicated private rooms in neonatal intensive care with some rooms specifically for twins. There will be space for a parent to stay with their baby in the private NICU patient room.
- the first dedicated pediatric surgery suites for Saskatchewan . There will be three dedicated, integrated pediatric operating rooms with induction rooms that allow parents to be with their child just prior to entering the operating room where anaesthesia is administered.
- a new pediatric hemodialysis room where children with chronic kidney failure will receive treatment.
- dedicated space for x-rays and ultrasounds in the pediatric outpatients area. The hospital will also support the development of pediatric phlebotomy to help reduce the pain and fear associated with blood draws for children.
- dedicated space for children and teenagers battling cancer to receive chemotherapy treatments or multi-hour infusions for antibiotics or medications in a child-friendly environment in the pediatric outpatients area.
- a new pediatric sleep lab so children no longer have to travel out of province for pediatric sleep studies.
- dedicated family spaces throughout all areas of the hospital.
- an outdoor play space on the pediatric floor dedicated for children and families staying in hospital.
- a theatre in the lobby for events or movies for children and teenagers staying in hospital.
- a dedicated space for short-term child-minding for siblings while parents bring their child for an appointment.

[Watch](#) the presentation given by Allyn Stellmacher in June 2015, with ZGF architects in partnership with Saskatoon's HDH architects, to the CHS interior design team. He provided an overview of how the interior of the hospital was created by Saskatchewan children, teenagers and families - and where it is at today after three years of feedback from our interior design teams. Interior design and furniture planning is now in its final stage.

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Operational planning continues

Operational planning continues with clinical areas actively working on the tasks required to prepare for future operations. This work includes trialing bedside registration and triage in pediatric emergency, developing and introducing bedside report handover in maternal services, completing implementation of bedside report handover in Acute Care Pediatrics, developing just-in-time methods for delivery of supplies, and working to further the building's information technology plan.

Project Construction Timeline (2011 – Completion)

- **November 2011** - Site preparation construction begins.
- **July 2012** - CHS schematic (early) design approved.
- **April 2013** - CHS detailed design approved. Creation of construction documents begins.
- **Fall 2013 - Early 2014** - Review of Saskatchewan population projections and resulting CHS bed number verification completed during construction document phase.
- **April 2014** - Increase of 24 inpatient beds and \$20 million additional provincial funding approved.
- **Spring 2014** - Request for proposals from potential contractors for Children's Hospital of Saskatchewan build. Successful pre-qualified contractors chosen who demonstrated the capacity, experience and financial capability to complete a project with the complexities of CHS were selected and chosen to invite to bid on the main building.
- **June 2014** - Final phase of site preparation begins. Design adaptations for 24 inpatient beds completed.
- **August 2014** - Final phase of site preparation completed.
- **September 2014** - Phase 1 construction starts – foundation and pilings.
- **September 2014 thru winter 2015** - Phase 1 construction – CHS pilings and foundation underway. Blueprints for main building completed.
- **February 2015** - Blueprints for Phase 2 construction - CHS main building finalized and Ministry approval received to proceed to tender. Bidders were given until late April 2015 to submit bids.
- **March 2015** - Phase 1 construction - piling and foundations is successfully completed. All pilings installed in Phase 1 were documented and reviewed by an independent testing engineer to confirm they were installed in accordance with accepted industry practices. Contractor responsible for Phase 1 CHS piling and foundations construction leaves site while tender for Phase 2 CHS main building continues as scheduled. The specialty piling contractor will return to CHS site to complete installation of an additional 61 pilings to be placed as part of the CHS main building construction.
- **April 2015** - Approval of a three week extension to tender closing is granted after project team receives requests from pre-qualified bidders. Tender closed in mid-May.
- **July 2015** - Bidders provide an extension to the bid acceptance period to late August.
- **August 2015** - Award of tender for Phase 2 main building construction
- **September 2015** - Start of Phase 2 Main Building construction
- **Early 2019** - Construction of Phase 2 Main Building completed
- **Later 2019** - Children's Hospital of Saskatchewan opens