

## New Samaritan hospital coming to Lincoln City

[samhealth.org/NewHospitalLincolnCity](http://samhealth.org/NewHospitalLincolnCity)



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### From sky high to underground

After the noise and excitement of excavation and pile driving, we've entered a quiet and less visible phase of construction which takes place at ground level and below: foundations and undergrounding of utilities.

So far, each steel pile has been cut down to ground level, lined with an interior rebar cage and filled with concrete. The concrete boxes that will cap the piles have been poured and wood forms are being built for the concrete grade beams. Ultimately, concrete slabs that will make up the floor of our new building will be created with four massive cement pours. Projected timeline to complete the foundation is two to three months, depending on cooperation from the weather. *In photo below, you can see forms for the foundation being built along the north edge of the building.*

Also, the underground utilities—sewer, water and electrical—are going in place now. Instead of using cast iron pipes, the conduits are heavy-duty plastic, which will eliminate maintenance headaches caused by corrosion. After foundation work is complete, steel erection will happen in January, followed by roofing in February. In March, the building should be dried-in—that is, the exterior shell will be enclosed to keep out wind and rain so work can begin on the interior.



### Building a strong foundation

So, is it typical for a 52,000-square-foot, single-story building to have 91 steel piles hammered down to bedrock to form the basis of its foundation? Not really!

Our new hospital is being built to specific seismic standards to help it resist damage during an earthquake. By building a foundation that is supported on bedrock, liquefaction should be less of an issue. Liquefaction is when soil turns into a soupy mixture like quicksand during an earthquake. The hope is for our hospital to remain mostly undamaged and able to provide care to a community in need, should “the big one” hit.

### Water tie-in accomplished

The water feed to our existing hospital building was successfully shut down and restored during a planned water outage on Monday, Sept. 24. This was the second (and final) planned water shutdown related to hospital construction, allowing us to switch the hospital's water line over to the newly installed backflow water vault. This task required many hands on deck (Engineering, Emergency Management, city staff) and was accomplished in about five hours.

Ironically, earlier that same day, there was an unplanned water outage that lasted about an hour. Just outside the windows of the HIM offices, a spouting fountain of water burst into the air, caused by an unexpected rupture in the water line. The cause is unknown but unrelated to any construction activity happening at the time. A Code Triage Alert was paged overhead, bringing the team together for some great, real-life Incident Command Center disaster training.