



THE HANFORD SITE

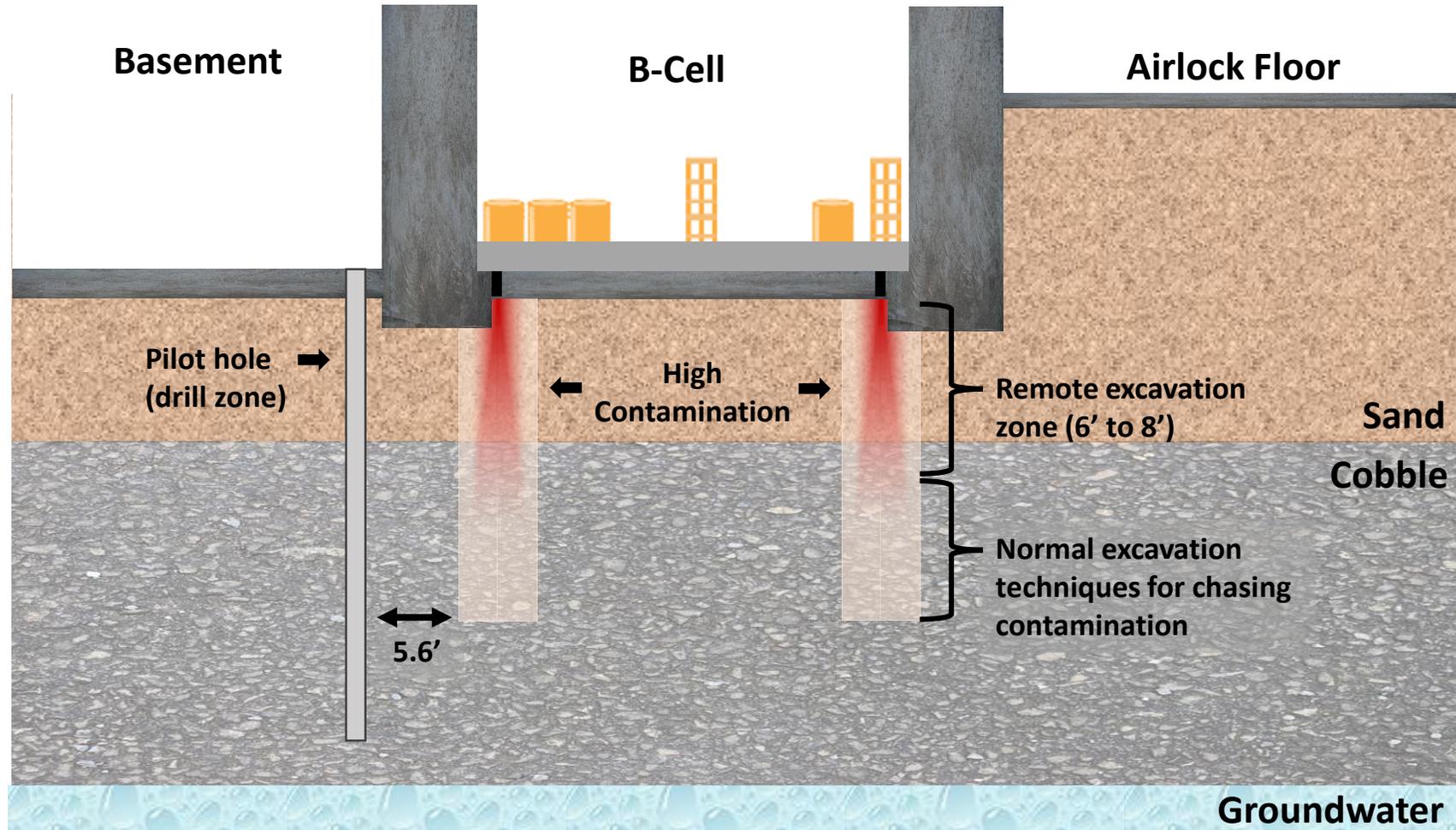
300-296 Remote Excavation

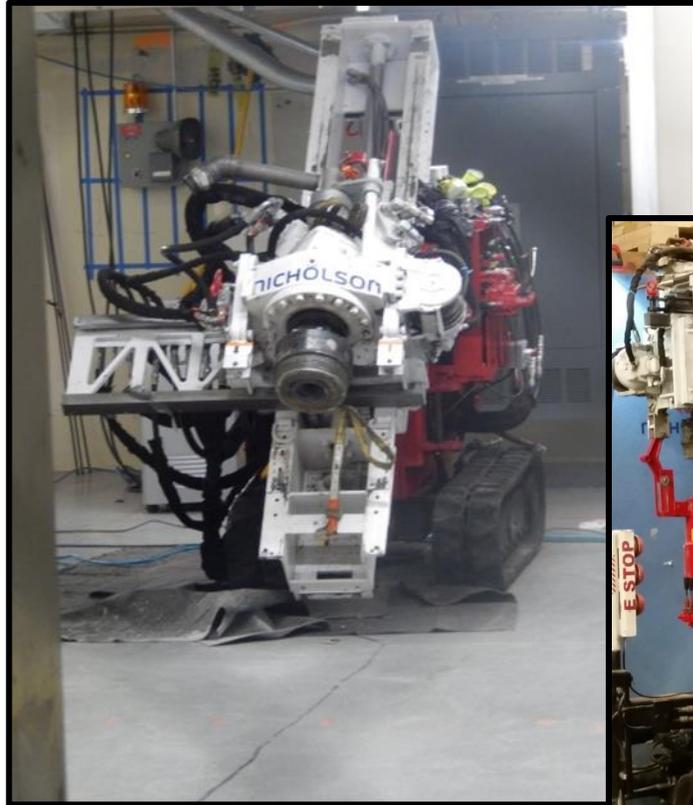
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DOE Richland Operations Office

- Current Activities
- Pilot Holes (drilling into soil near 300-296)
- Mockup Activities
- Groundwater Monitoring
- Cleanup Levels

- 324
 - Finishing the Structural Design
 - Performing structural modifications
 - Geoprobe removal
 - Cell sealing
 - B-cell cleanout
- Mockup
 - Grout removal demonstration
 - Floor saw installation and testing
 - Radiological assay system testing





Drill rig



Drilling demonstration in full PPE



Dust shroud and seal



Soil transfer hose



Cyclone separator



Dust pre-filter



Pre-filter #2 and HEPA

- Frequent rad surveys of the drilling area and worker PPE are performed during drilling
- **Response Actions:** Installed additional seals around connections and a shroud around the casing to vacuum particulates. Stricter release requirements on equipment and personnel





Remote equipment operators and control station at Mockup



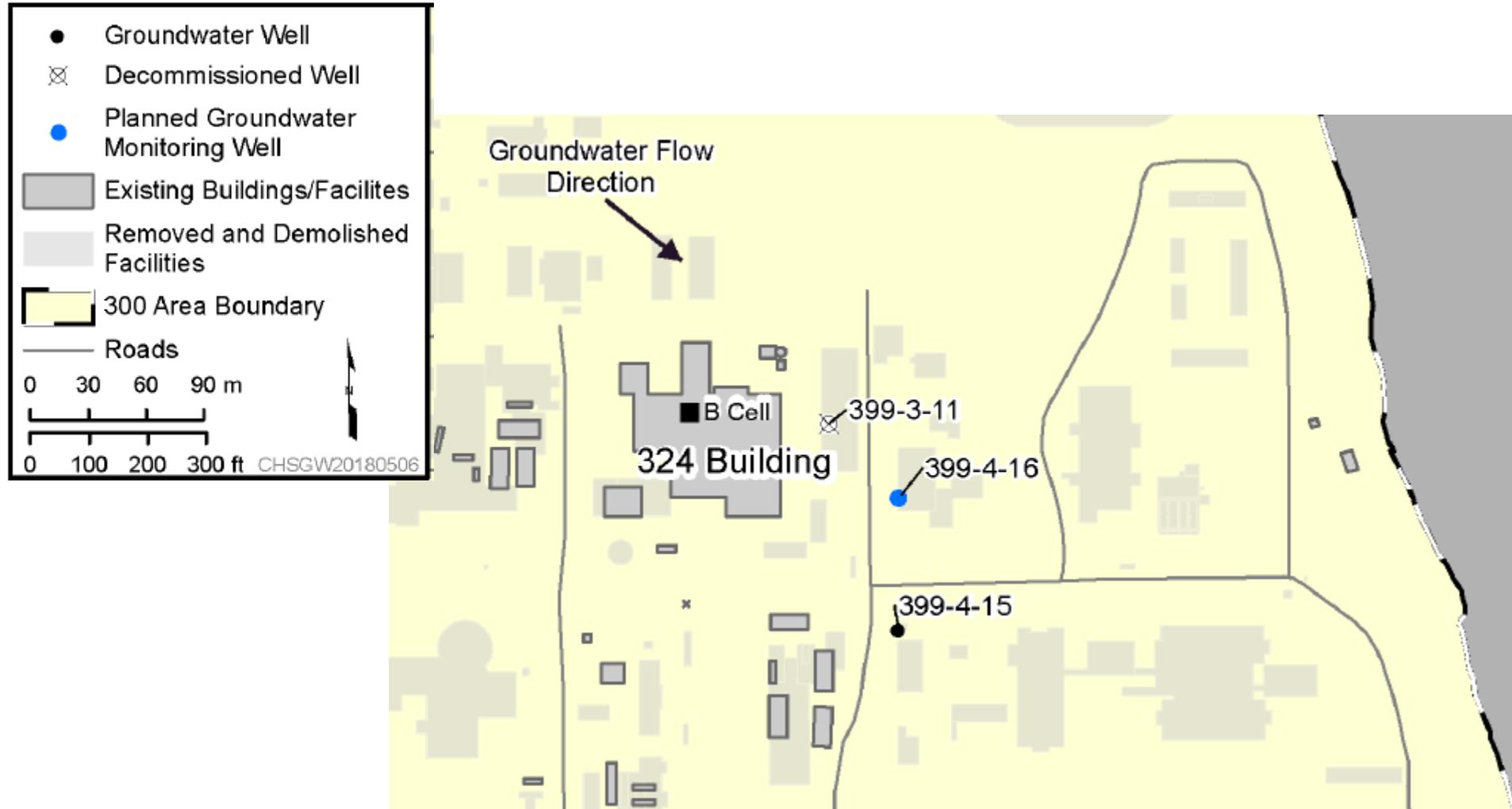
Successful grout demolition test



Floor saw - passed acceptance testing after cutting through the steel liner and concrete floor at the Mockup



Rad assay sensors and turn table - measures dose in waste bins brought into the Airlock



- Removal of contaminated debris from B-Cell with remotely operated equipment is underway
- Use of the Mockup has proven invaluable for early testing of equipment, worker training, and incorporating lessons learned in to work packages prior to executing the work in a contaminated environment
- The focus is on safe and deliberate progress, resulting in a significant hazard reduction along the Columbia River