



Repairing the **SR 99**
TUNNELING
MACHINE

May 2014

Seattle Tunnel Partners, WSDOT's contractor for the SR 99 Tunnel Project, is building a pit to access and repair the SR 99 tunneling machine. The following images illustrate STP's conceptual plan for resuming tunneling.

Seattle Tunnel Partners' repair timeline

- **Late May 2014:** Begin building the access pit's underground walls.
- **June 16, 2014:** Submit seal system repair and bearing replacement plan to WSDOT.
- **Late July through September 2014:** Excavate the pit.
- **October 2014:** Partially disassemble the machine and begin repairing damage to the seal system and main bearing.
- **November 2014:** Submit a full report of machine repairs to WSDOT.
- **February 2015:** Test the machine to ensure it is ready to tunnel beneath downtown.
- **Late March 2015:** Resume tunneling.

Access pit site today, above ground



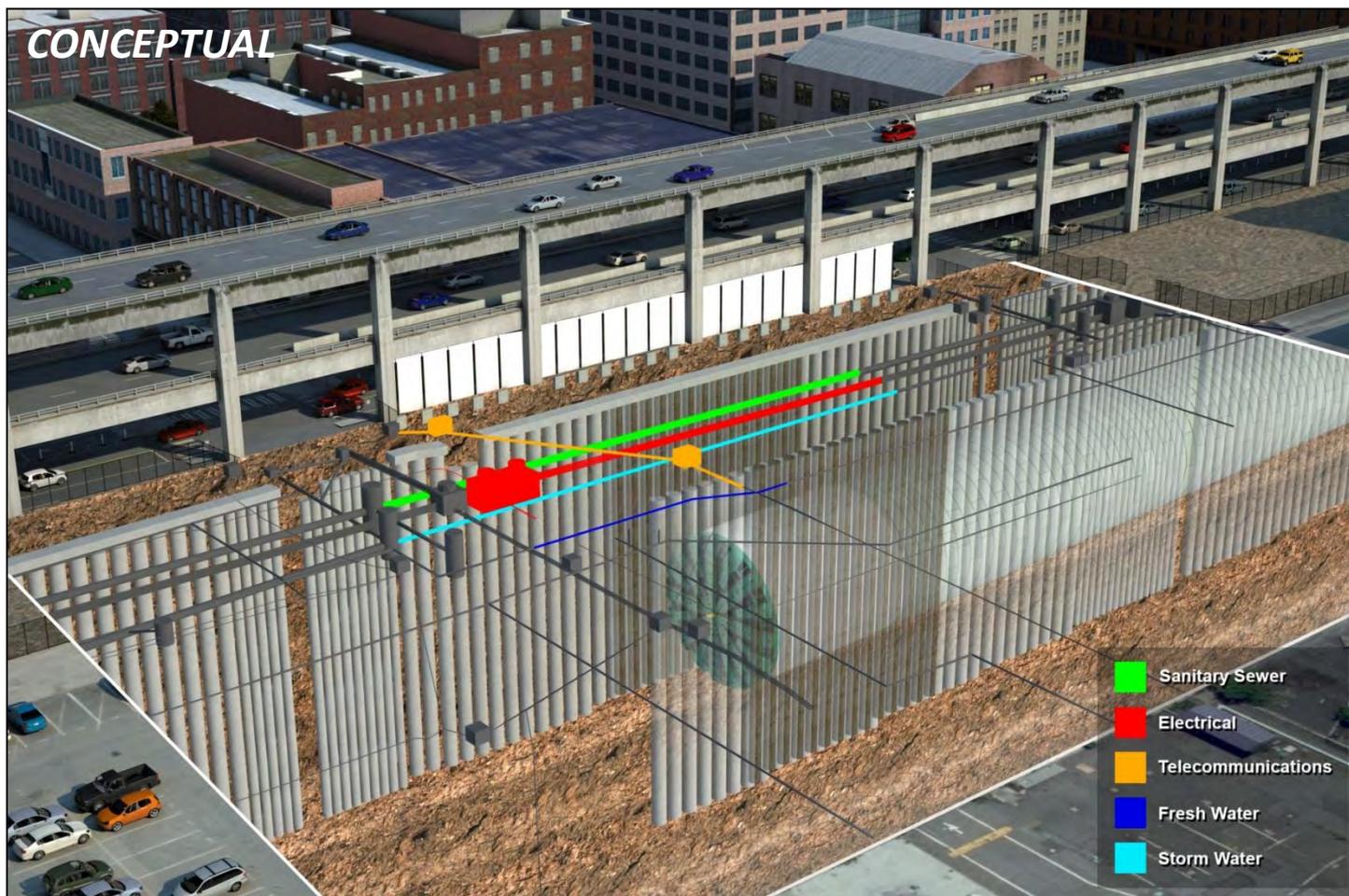
Access pit site today, below ground



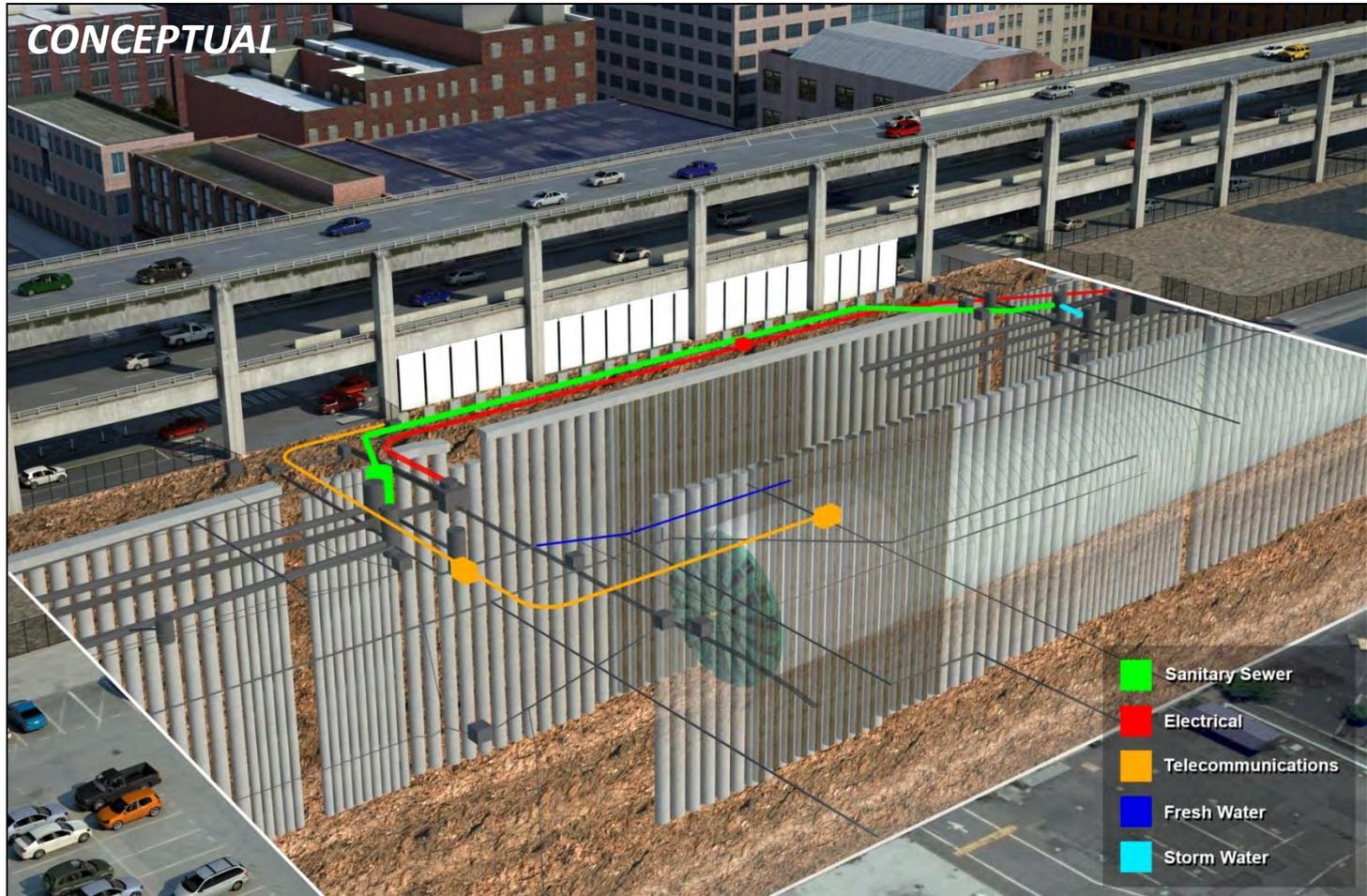
Inject grout between existing piles



Relocate utilities (before)



Relocate utilities (after)



Inject grout behind the machine



Build the access pit's walls



Build the access pit's walls



Lower groundwater



Excavate, then tunnel into the access pit



Install a crane above the access pit



Remove pieces, make repairs



Resume tunneling

