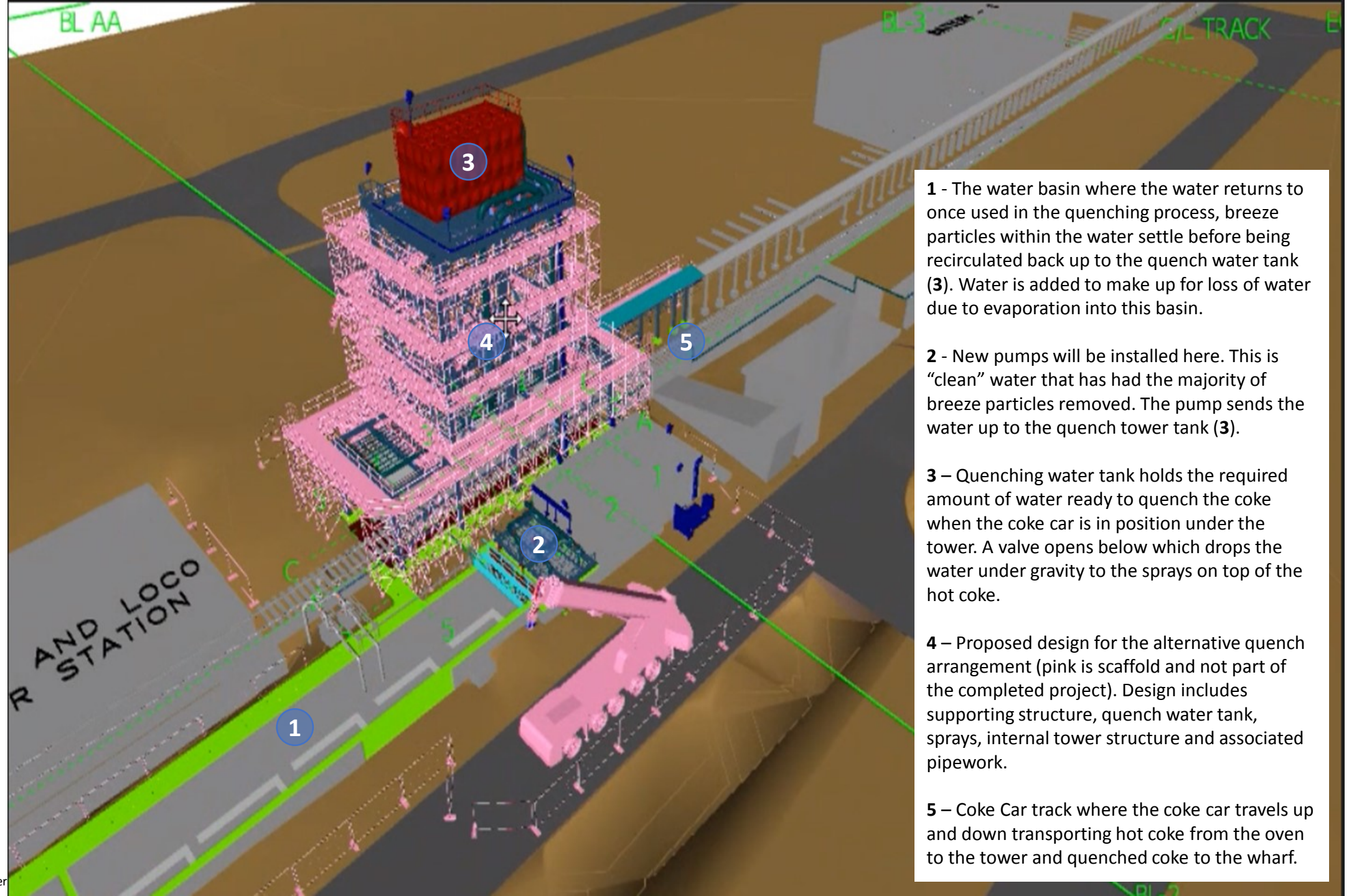


1 - The water basin where the water returns to once used in the quenching process, breeze particles within the water settle before being recirculated back up to the quench water tank (**3**). Water is added to make up for loss of water due to evaporation into this basin.

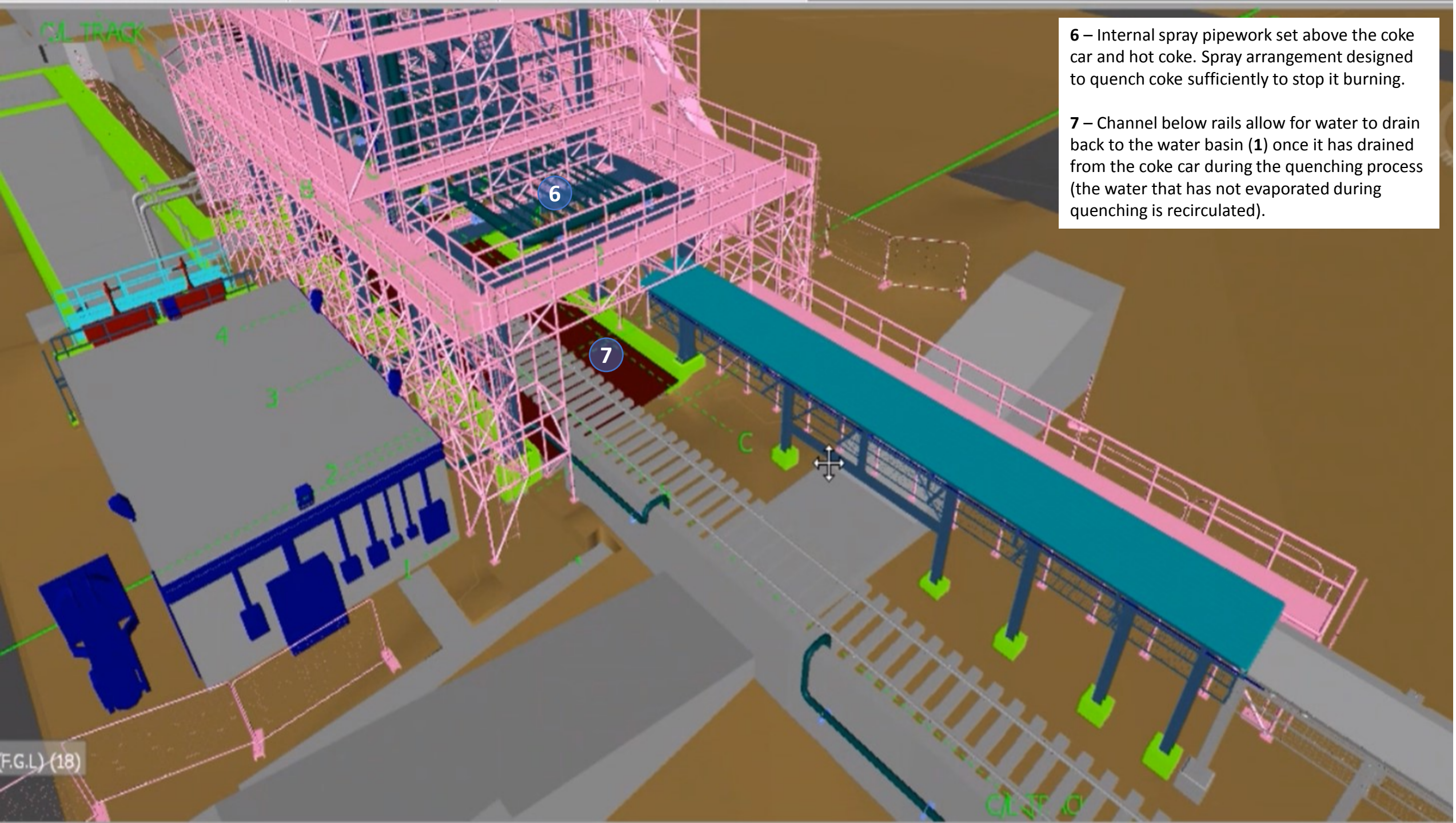
2 - New pumps will be installed here. This is "clean" water that has had the majority of breeze particles removed. The pump sends the water up to the quench tower tank (**3**).

3 – Quenching water tank holds the required amount of water ready to quench the coke when the coke car is in position under the tower. A valve opens below which drops the water under gravity to the sprays on top of the hot coke.

4 – Proposed design for the alternative quench arrangement (pink is scaffold and not part of the completed project). Design includes supporting structure, quench water tank, sprays, internal tower structure and associated pipework.

5 – Coke Car track where the coke car travels up and down transporting hot coke from the oven to the tower and quenched coke to the wharf.

Sensitivity: general



6 – Internal spray pipework set above the coke car and hot coke. Spray arrangement designed to quench coke sufficiently to stop it burning.

7 – Channel below rails allow for water to drain back to the water basin (**1**) once it has drained from the coke car during the quenching process (the water that has not evaporated during quenching is recirculated).

Sensitivity: general