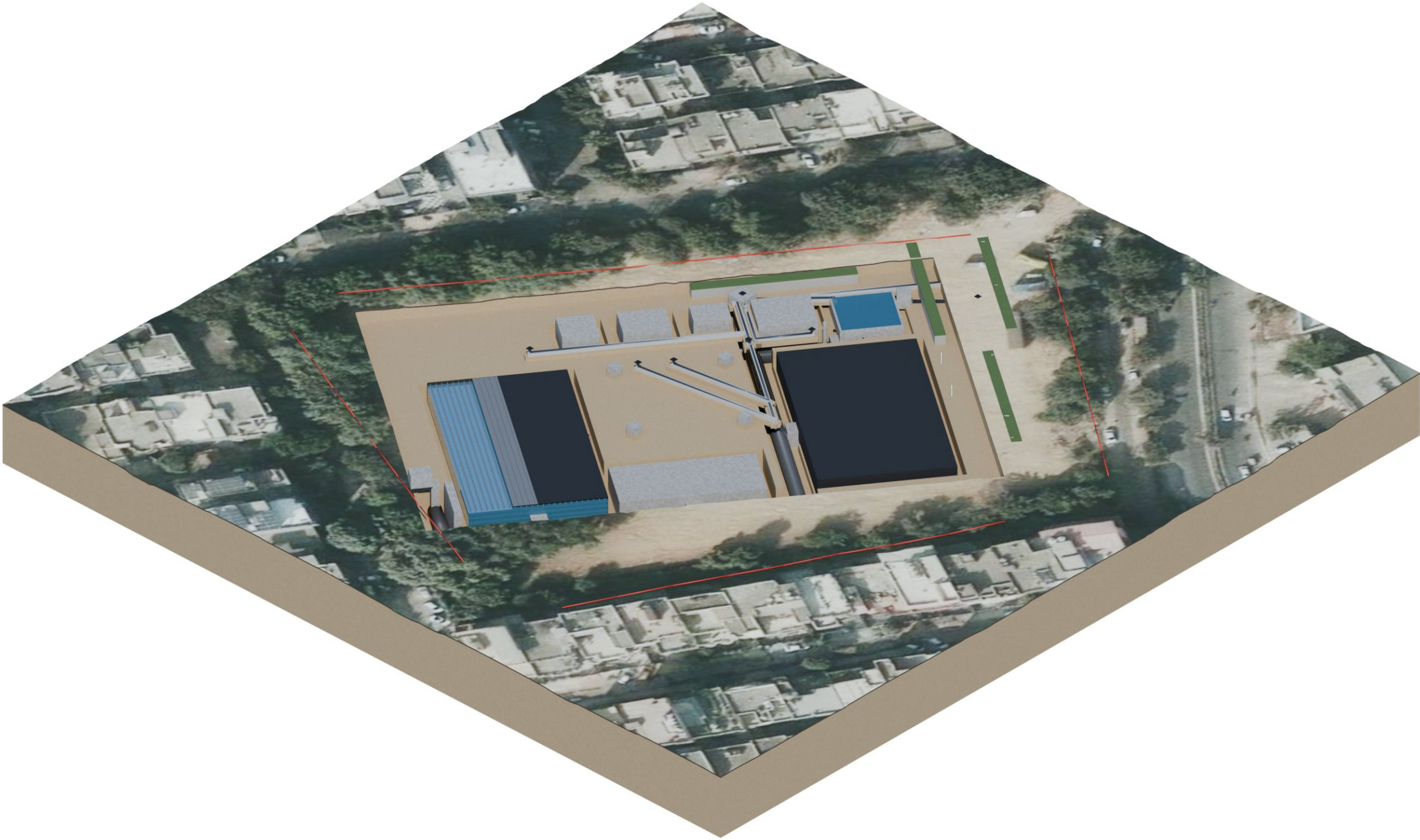




Ram Lila Ground, Sheetla Mata Mandir Road, Gurugram

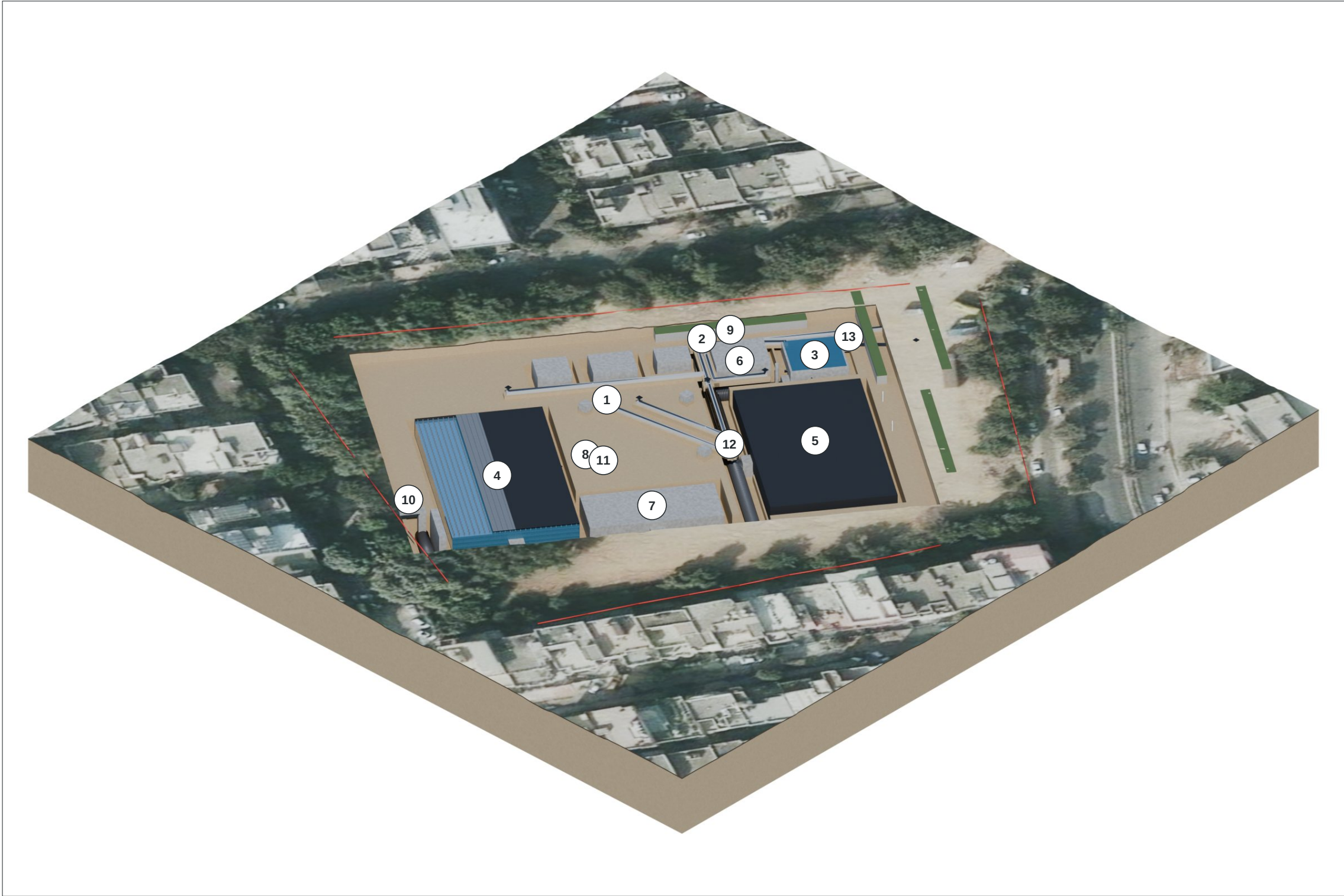


Client: Municipal Corporation of Gurugram | Prepared by: IIT Gandhinagar with AIReSQ | Companion to report FA-RL-RPT-01 and drawings FA-RL-01 to 06



IN THIS VIEW

- 1 Pond inlet grate, flush and heel-proof (7 no.)
- 2 Collector sump with 3 m booster pump
- 3 Forebay + hydrodynamic separator 200 m3
- 4 Storage field SF-2, PP column-and-deck modules (membrane cut back)
- 5 Storage field SF-1, PP modules in HDPE geomembrane
- 6 Buried plant room: filter, pumps, controls
- 7 Clean tank 1,000 m3, PP modules
- 8 Injection well casing (screen 130-150 m below ground)
- 9 Recharge trench with 2 shafts (analytic)
- 10 Edge kiosk - only above-ground unit
- 11 Wellhead vault, flush and lockable
- 12 Inspection gallery IG-1 (future phase), DIA 2.4 m
- 13 Overflow chamber OC-1 with DN800 flap gate FG-1 (closed in design storm)



Ground and cover removed over the works; the finished surface is turf and stays usable for Ramlila.



IN THIS VIEW

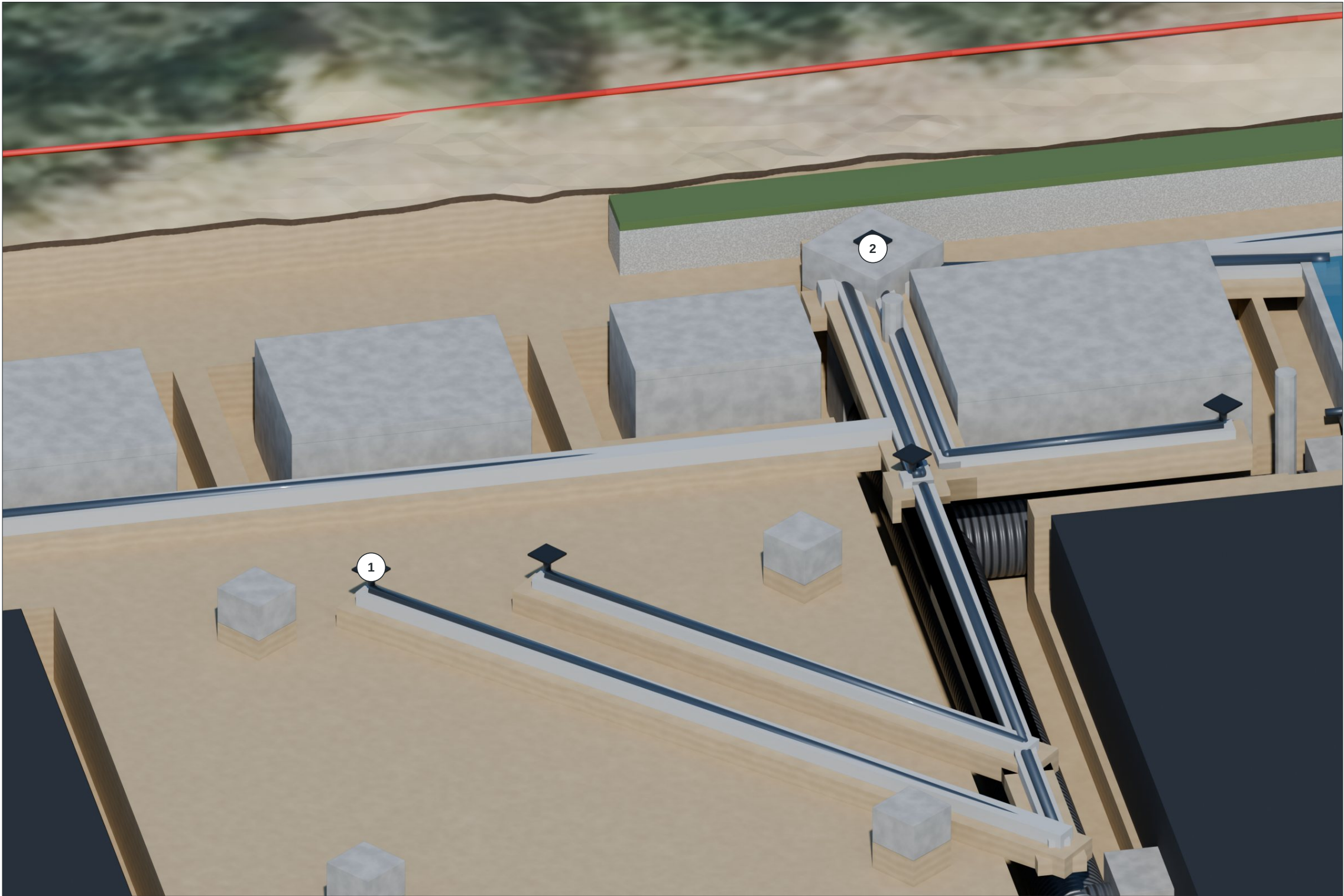
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Two PP module storage fields (2 x 4,000 m³) under about 1 m of soil and turf; forebay and plant room alongside.



IN THIS VIEW

- 1 Pond inlet grate, flush and heel-proof (7 no.)
- 2 Collector sump with 3 m booster pump



Seven flush grates drain by short laterals to the collector sump; the booster lifts water through the DN700 main to the forebay.



IN THIS VIEW

- 3 Forebay + hydrodynamic separator 200 m3
- 6 Buried plant room: filter, pumps, controls
- 13 Overflow chamber OC-1 with DN800 flap gate FG-1 (closed in design storm)

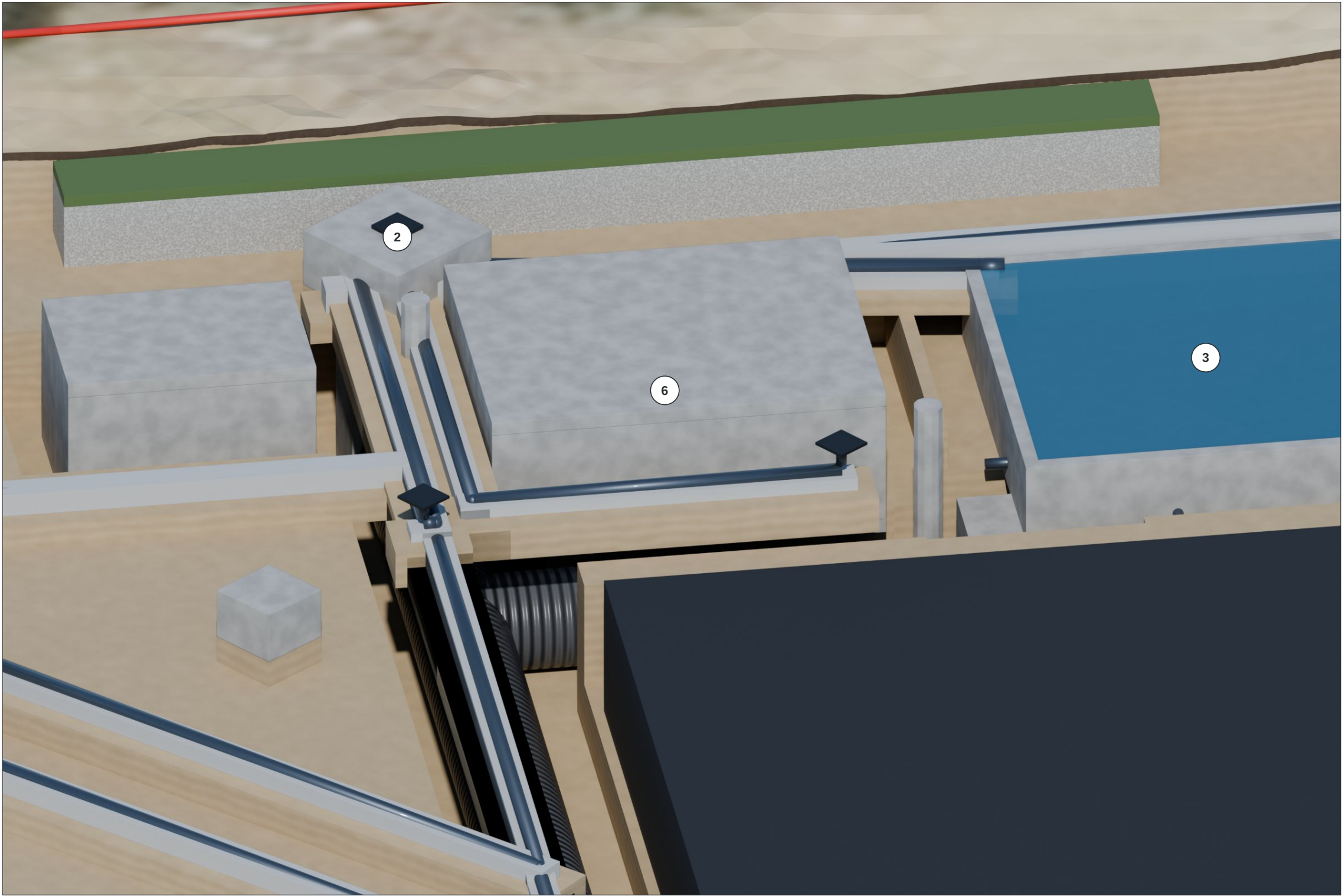


Silt settles in the forebay and separator. Overflow chamber OC-1 with flap gate FG-1 stays closed while downstream drains are full.



IN THIS VIEW

- 2 Collector sump with 3 m booster pump
- 3 Forebay + hydrodynamic separator 200 m3
- 6 Buried plant room: filter, pumps, controls

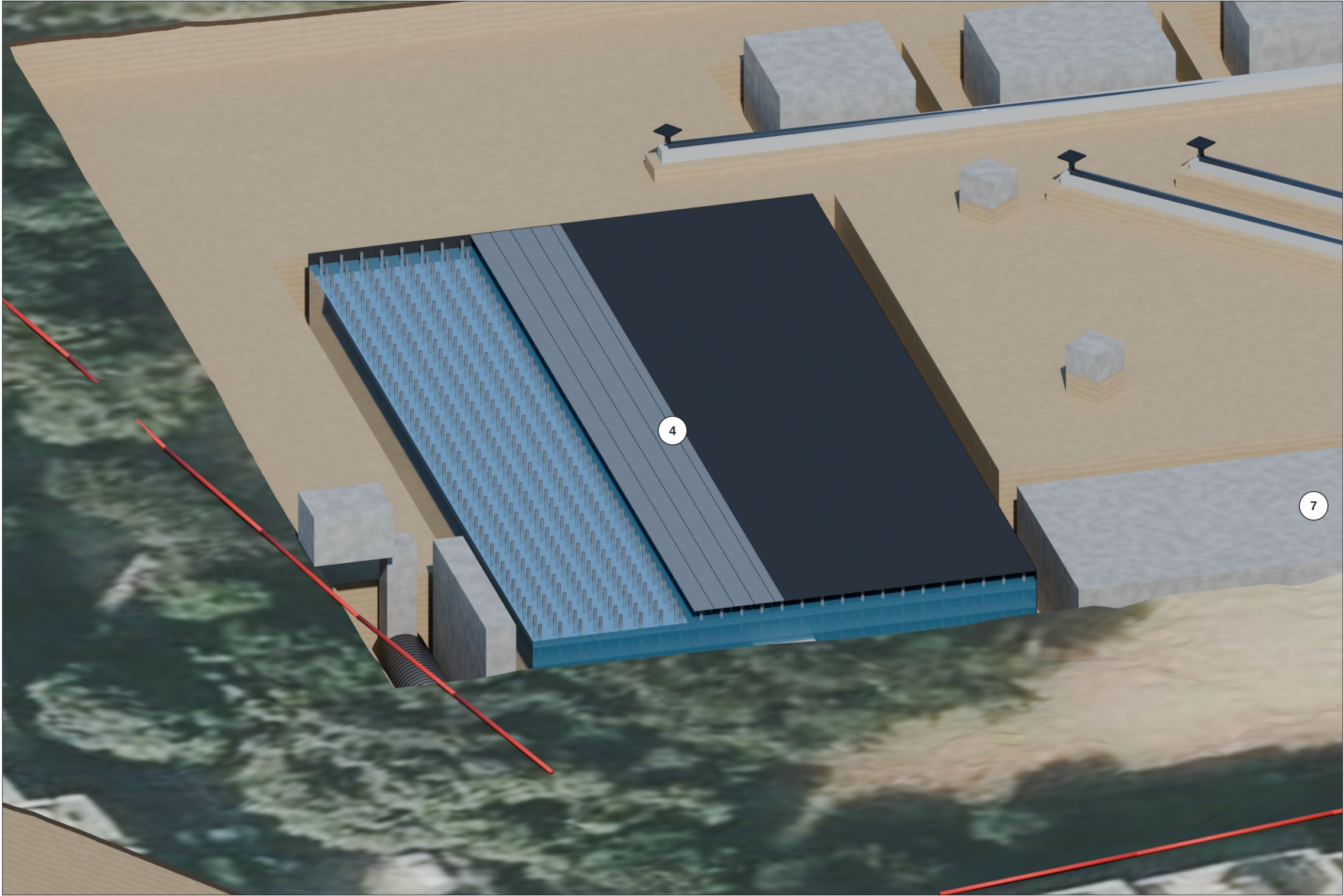


Filter, treatment pumps, injection booster and controls in a precast room; access by risers and hatches.



IN THIS VIEW

- 4 Storage field SF-2, PP column-and-deck modules (membrane cut back)
- 7 Clean tank 1,000 m3, PP modules

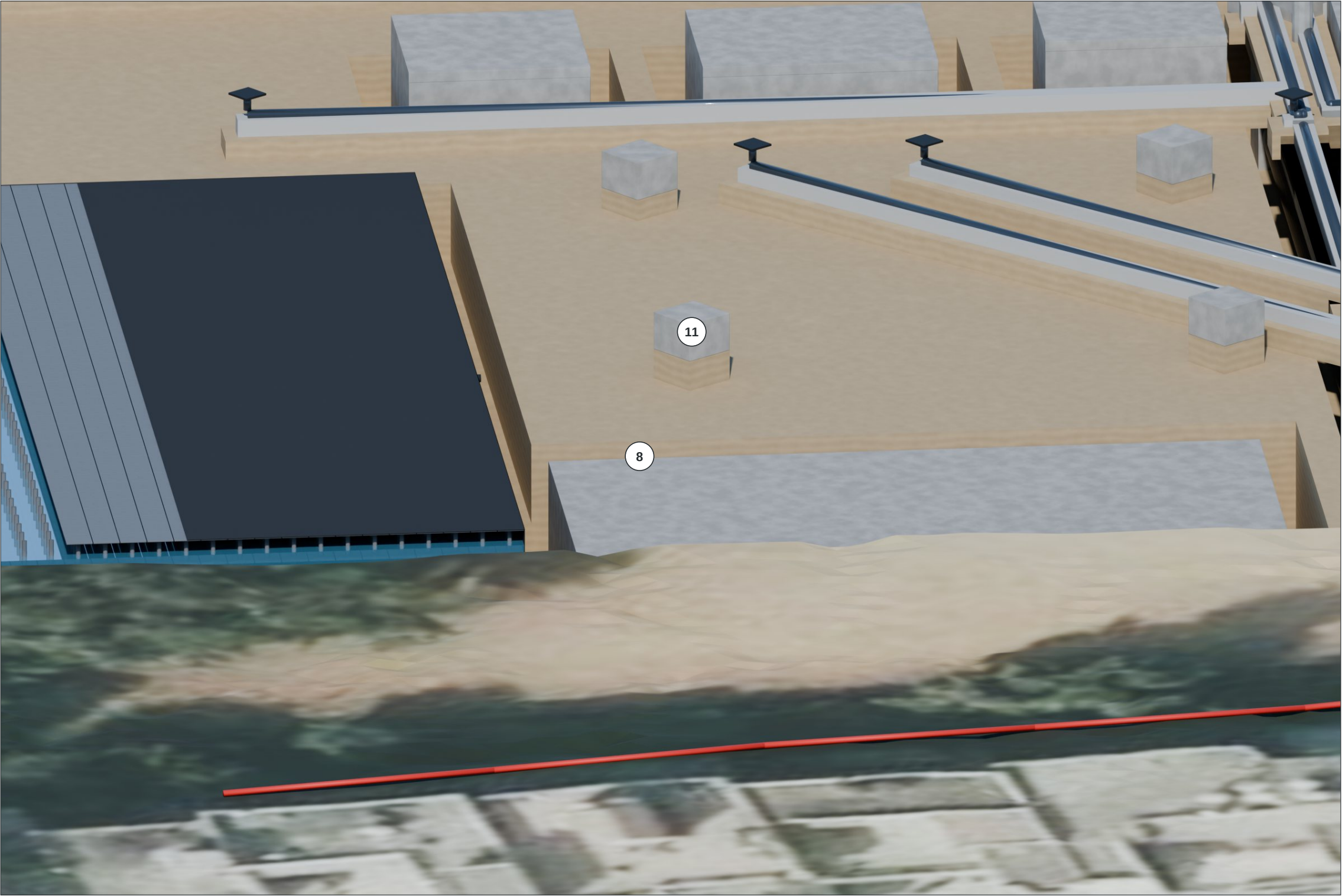


PP column-and-deck modules (about 95 % void)
carry crowds and light vehicles through the cover.



IN THIS VIEW

- 8 Injection well casing (screen 130-150 m below ground)
- 11 Wellhead vault, flush and lockable



Treated water is injected through screens 130-150 m below ground into the deeper aquifer; casings truncated in the view.



IN THIS VIEW

- 2 Collector sump with 3 m booster pump
- 9 Recharge trench with 2 shafts (analytic)
- 12 Inspection gallery IG-1 (future phase), DIA 2.4 m



Gravel recharge trenches with shafts soak residual ponding into the shallow ground; gallery IG-1 is a future-phase access route.