

4.1 Design proposals: Overview

- 4.1.8 In addition to the flood risk management interventions described previously, wherever feasible the design has incorporated measures to enhance the long-term sustainability of the proposed development.
- 4.1.9 The landscape maintenance requirements of a golf course generate substantive demand for water. The proposed development incorporates a water harvesting system, including three ponds and three tanks, and an irrigation system. These features will significantly reduce the course's reliance on groundwater and ensure that its water needs can be almost entirely met by water collected and stored on site. The system will have capacity for approximately 15,000m³ of storage, sufficient to irrigate the golf course for 100 continuous days without precipitation.
- 4.1.10 The proposed development also incorporates measures which will improve the quality of water discharged to the River Pinn as well as the mains sewer system, including filter drains and oil separators around the car park and green keeper's compound.
- 4.1.11 Changes to the topography are proposed to align with the re-design of the playable areas. This remodelling incorporates consideration for retained trees, improvements to drainage flows, improvements to paths and accessibility and improvements to maintenance safety by creating slopes and banks that can be safely maintained.
- 4.1.12 An overview of the proposed topography in relation to the existing site levels can be seen in the isopachyte plan (figure 42).
- 4.1.12 The remodelling of the golf course will reuse material excavated from the construction of the adjacent HS2 West Ruislip Portal. Material will be transferred directly in between the two sites thereby significantly reducing the number of vehicle movements which would otherwise be required to remove material from the HS2 works.
- 4.1.13 The design will also involve the reuse of materials on site, for example using felled trees to create log piles. Additionally, the improvement of PROWs across the site will encourage walking as a sustainable mode of transport.
- 4.1.14 The following section describes the key features of the design in greater detail.

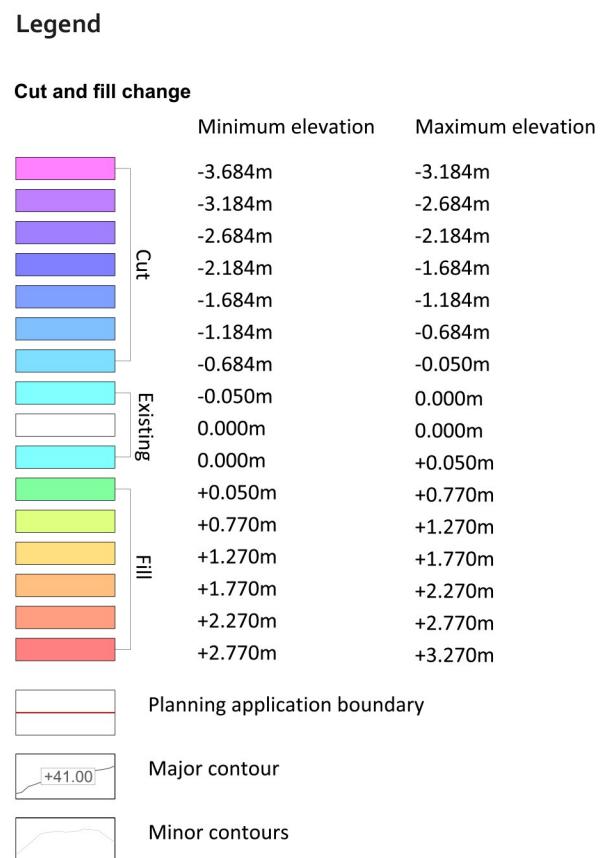


Figure 42 - Isopachyte plan