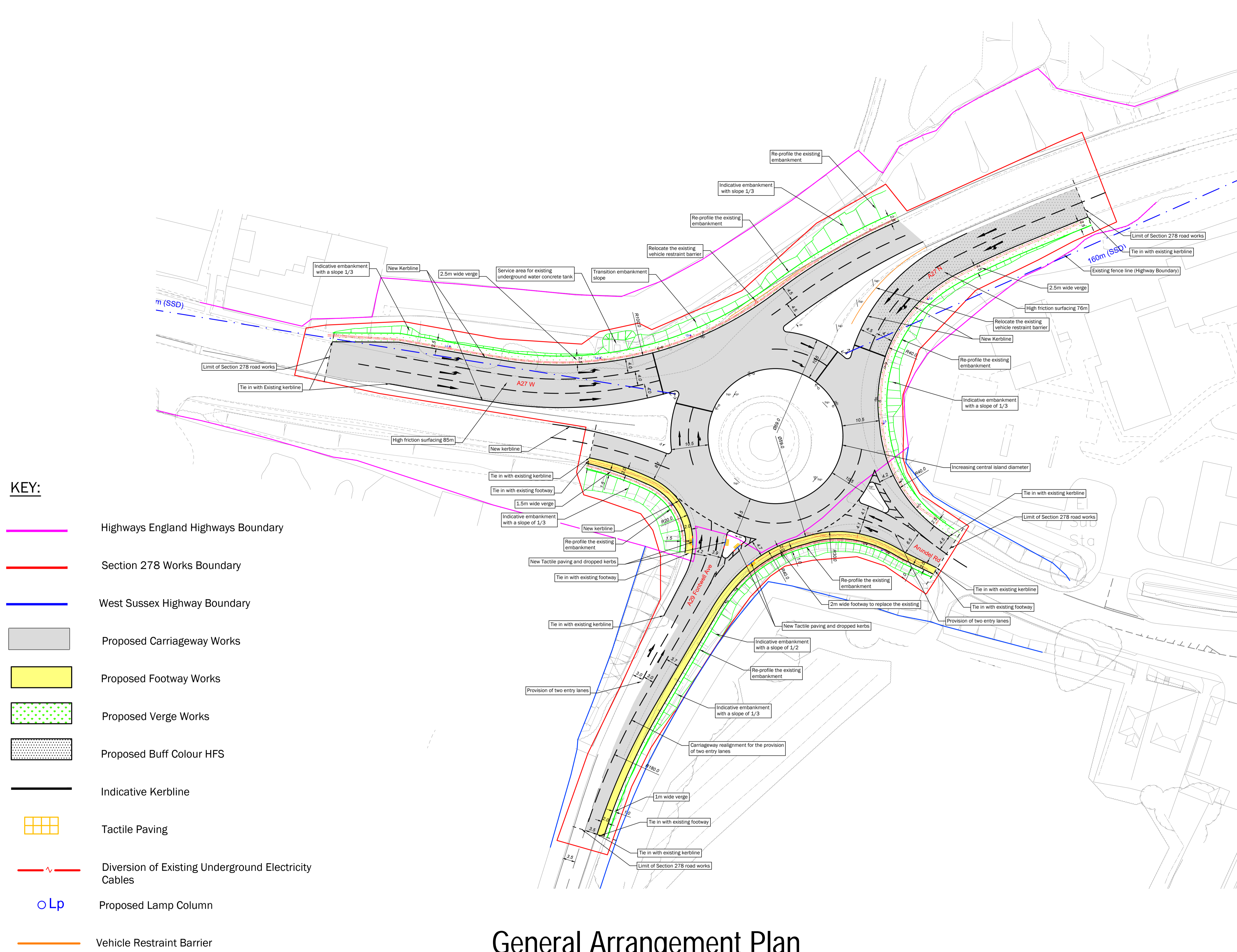


FONTWELL ROUNDABOUT



As part of the outline planning permission, the adjacent A27 dual-carriageway / A29 Fontwell Avenue four-arm roundabout junction will be upgraded. Improvements to the junction will include the widening of all approach roads, together with the introduction of traffic signals for the A27 arms. This will improve the flow of traffic through the junction, reducing delays and improving journey times.

As requested by Highways England, which originally developed the improvements as part of wider network upgrades, a traffic model (VISSIM micro-simulation) was developed by a transport consultant to illustrate the impact of the development on the A27 roundabouts and to model the interaction and lane changing manoeuvres between nearby junctions.

A comparison between the 2022 Baseline results (without the development) and the 2022 (with development) results and including the effects of the proposed signal scheme, indicated that the proposed scheme offers a significant benefit to the A29 Fontwell Avenue.

The results of the modeling demonstrated that the signal scheme being delivered by the development offers a significant improvement to the highway infrastructure, which is of a benefit well beyond any impact associated with the scheme.

Detailed design subsequently started in January 2019, with close liaison between Dandara, consulting Civil Engineers, Highways England, WSCC and early Contractor involvement to ensure that the design is accounting for construction methods and all necessary stakeholders.

Following technical approval of the design by Highways England, the construction of the roundabout is planned to start in May 2019 and is currently estimated to take 18 months to complete. Due to these timescales we have applied to allow occupancy of up to 150 new homes as the works are undertaken.

