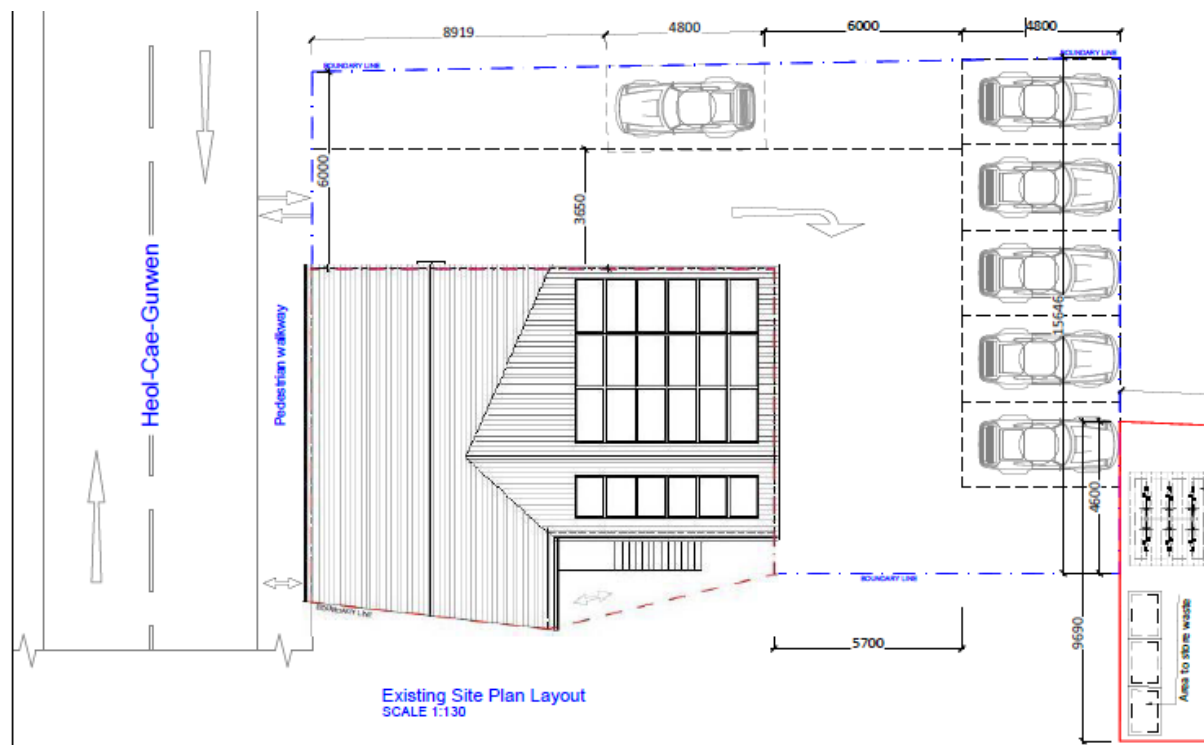


Site Access Plan for Parking with Integrated Routes for Vehicles and Pedestrians

Aims and objectifies.

The aim of this site access plan is to streamline traffic flow and ensure safe access for both vehicles and pedestrians to the parking area. By removing gates and implementing a dedicated entrance for pedestrians away from vehicles, we can significantly improve traffic flow and enhance safety.

Site Layout

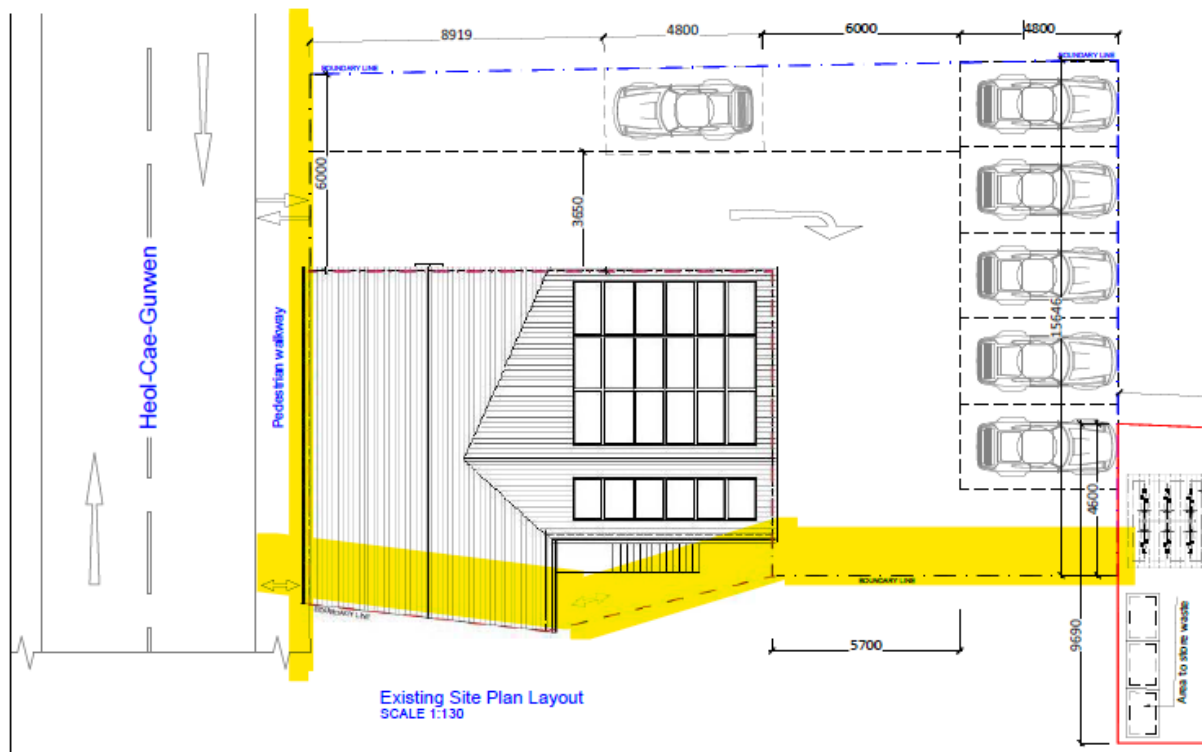


Main Entrance

- The main entrance will serve as the access point for both vehicles and pedestrians from the main road.
- To improve and accommodate smooth flow of traffic the original manual gates have been removed from the layout, although a security risk, the safety risk of the access overrides this especially when the mixed waste is collected
- Signage will be installed to direct both vehicles and pedestrians towards the parking area and the separate pedestrian entrance.
- Reducing the splay of the wall to a height of 1m to allow clear visibility

Pedestrian Entrance

- A dedicated entrance for pedestrians will be established away from vehicle traffic. (Illustrated below).



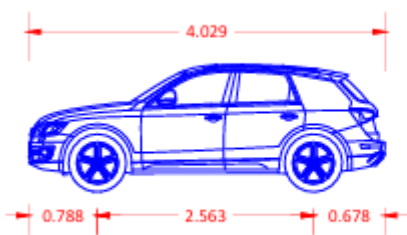
- This entrance will be accessible directly from the pavement, ensuring the safety of pedestrians.
- Clear signage will guide pedestrians towards the designated entrance.
- Entrance doors will be removed from the car park facing to reduce the likelihood of a collision with a vehicle.

Parking area

- The parking area will retain the same design for parking and vehicle layout with the exemption of pushing the waste storage area and bike parking to the rear.
- Clearly marked lanes and parking spaces will facilitate orderly parking.
- Pedestrian walkways will be demarcated to ensure safe passage for pedestrians within the parking area.

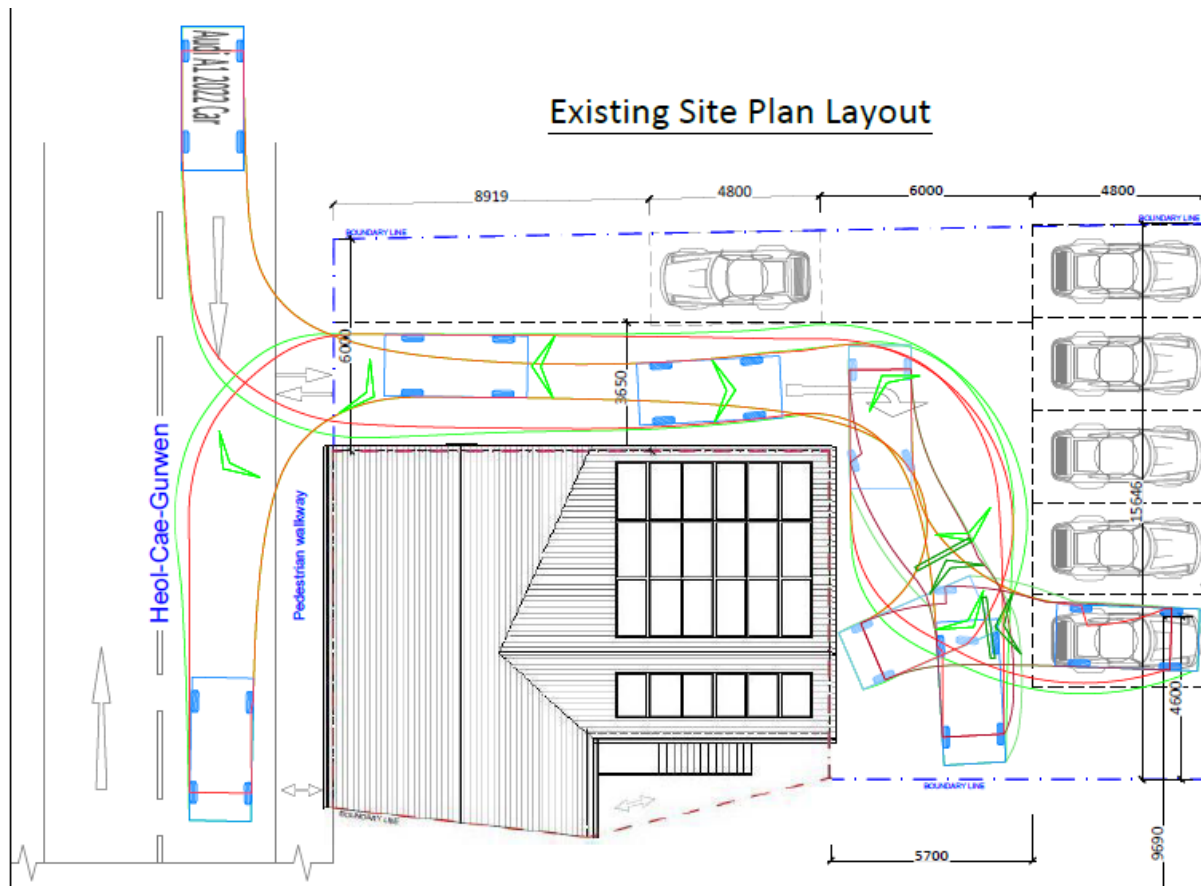
Traffic Flow

- Vehicles entering and exiting the parking area will follow the same route to minimize confusion.
- A swept path analysis has been provided showing the evaluation and calculations of the space required when a vehicle makes the turning manoeuvres. This is supplied as an addendum.



Audi A1 2022 Car

Overall Length	4.029m
Overall Width	1.740m
Overall Body Height	1.433m
Min Body Ground Clearance	0.136m
Track Width	1.740m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	5.250m



Impact on losing the front gates

- Time Savings: Automatic gates typically take between 30-45 seconds to open or close. By eliminating gates, vehicles can enter and exit the parking area more quickly, reducing wait times and improving overall efficiency.
- Reduced Maintenance Costs: Without gates, there will be fewer mechanical components to maintain or repair, resulting in cost savings over time.

- **Minimized Road Destruction:** The removal of gates will eliminate the risk of disruption to the main road caused by the operation of gates, thereby reducing the risk considerably.
- Will cause a security risk, this can be mitigated through monitored CCTV

Too conclude

By implementing this site access plan, we can optimise traffic flow through the removal of gates, balance safety via CCTV. This approach prioritises efficiency, convenience, and safety for both vehicles and pedestrians accessing the parking areas. Reducing the splay of the wall to a height of 1m to allow clear visibility of the highway and a swept path analysis's calculations are acceptable for the safe space required when a vehicle manoeuvres.