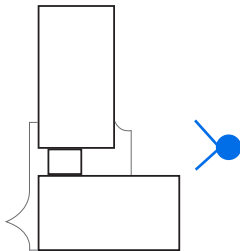


7
7.7

Exterior
External Views



Common room spill out zone to the courtyard on the east



8 Access

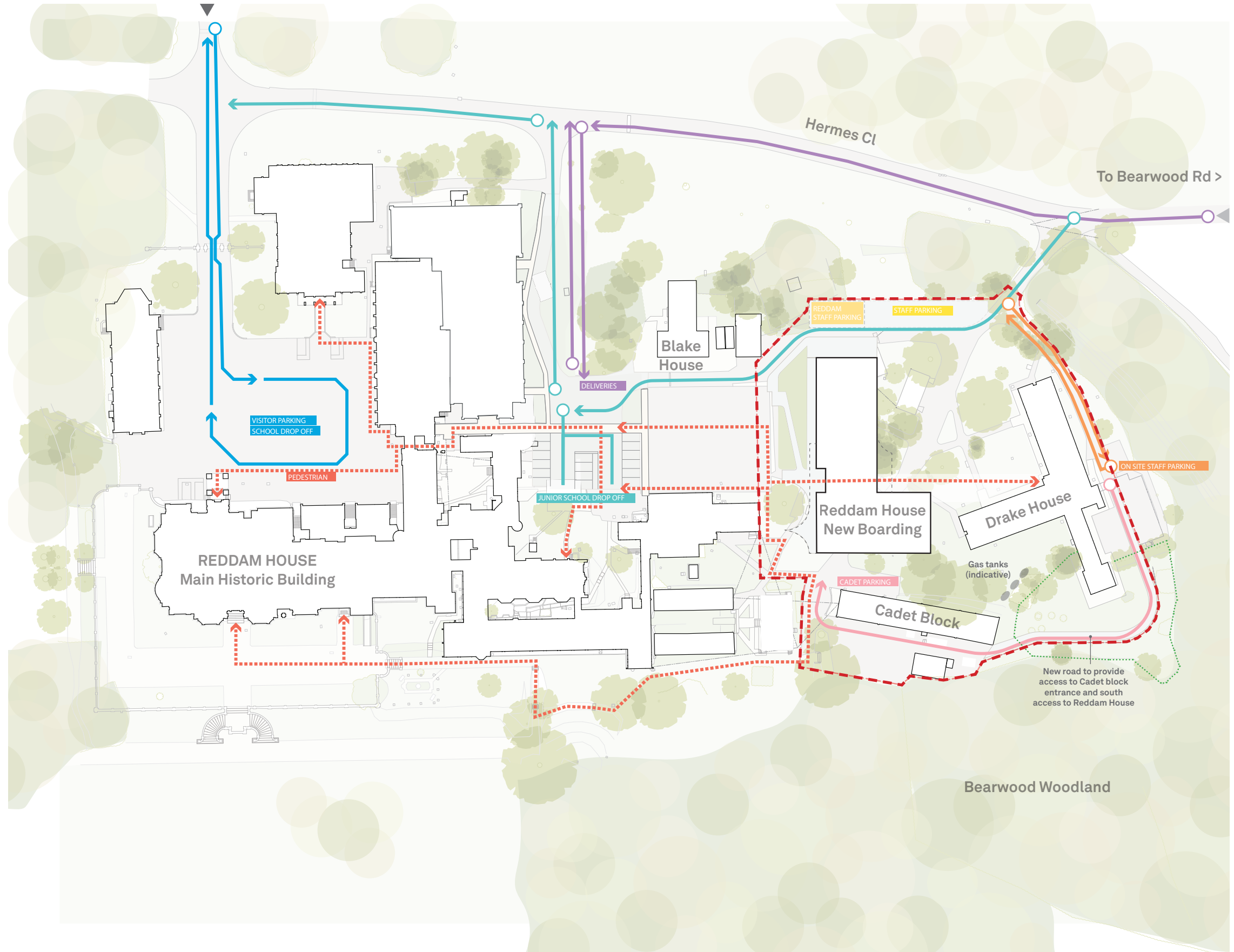
8.1 Masterplan strategy

A rearrangement of the paths on our study area presents opportunities for separating the vehicular and pedestrian flows, for safer circulation. Keeping the vehicles to the periphery creates a more natural pedestrian courtyard whilst offering all required access routes around the perimeter of the site.

The realignment of the access road to the north of the proposed boarding house will enable the reprovision of the staff car parking in this location, as well as providing two parking spaces for the two resident staff members of the proposed boarding house.

The amended staff car parking will allow a total of 19 parking spaces to be provided (18 standard spaces and 1 disabled bay) improving access for the mobility impaired at the site.

To the south, a new road section connects the existing staff access road with the south of the Cadet block paved area. This provides a new route to serve the south area of the site, from the west of the Cadet Block.



Key:

- On-site Pedestrian Movement
- Visitor / Drop Off
- Deliveries
- Junior School
- Staff
- Cadet
- Servicing / Staff

8

Access

8.2

Ground floor access

Priority has been given to pedestrian routes on site, keeping the vehicular routes to the site periphery.

The main pedestrian access is at the crossing of the two blocks where the communal spaces are. This central location promotes intuitive wayfinding on site.

The new scheme is wheelchair accessible, including a gentle ramp access from the west. This has been done in anticipation of potential site updates, as the current estate presents some routes that are challenging for wheelchair users. Wheelchair accessible rooms are placed at Ground Floor to ease movement.

From the central access area the two central corridors give access to all dormitories. These have a connection with the exterior with a visual connection and outlook. The glazed panes here are openable to provide a escape in the case of an emergency.

Vehicles for servicing will access the site from the north and south paths. The following page includes swept path analysis to support the new south route.

Parking spaces can be found to the north, the existing 17 bays plus 2 additional bays (1 of them accessible) to keep sufficient provision.

Refuse is currently managed by the staff on site on a daily basis, taken to a collection point for refuse vehicle collection. This will continue being the strategy.

Key:

▶

 Main Entrance - West

→

 Access route via steps - West

→

 Access route via ramp - West

▶

 Main Entrance - East

→

 Pedestrian route from courtyard

→

 Common room exit to courtyard

→

 Fire escape from corridor

→

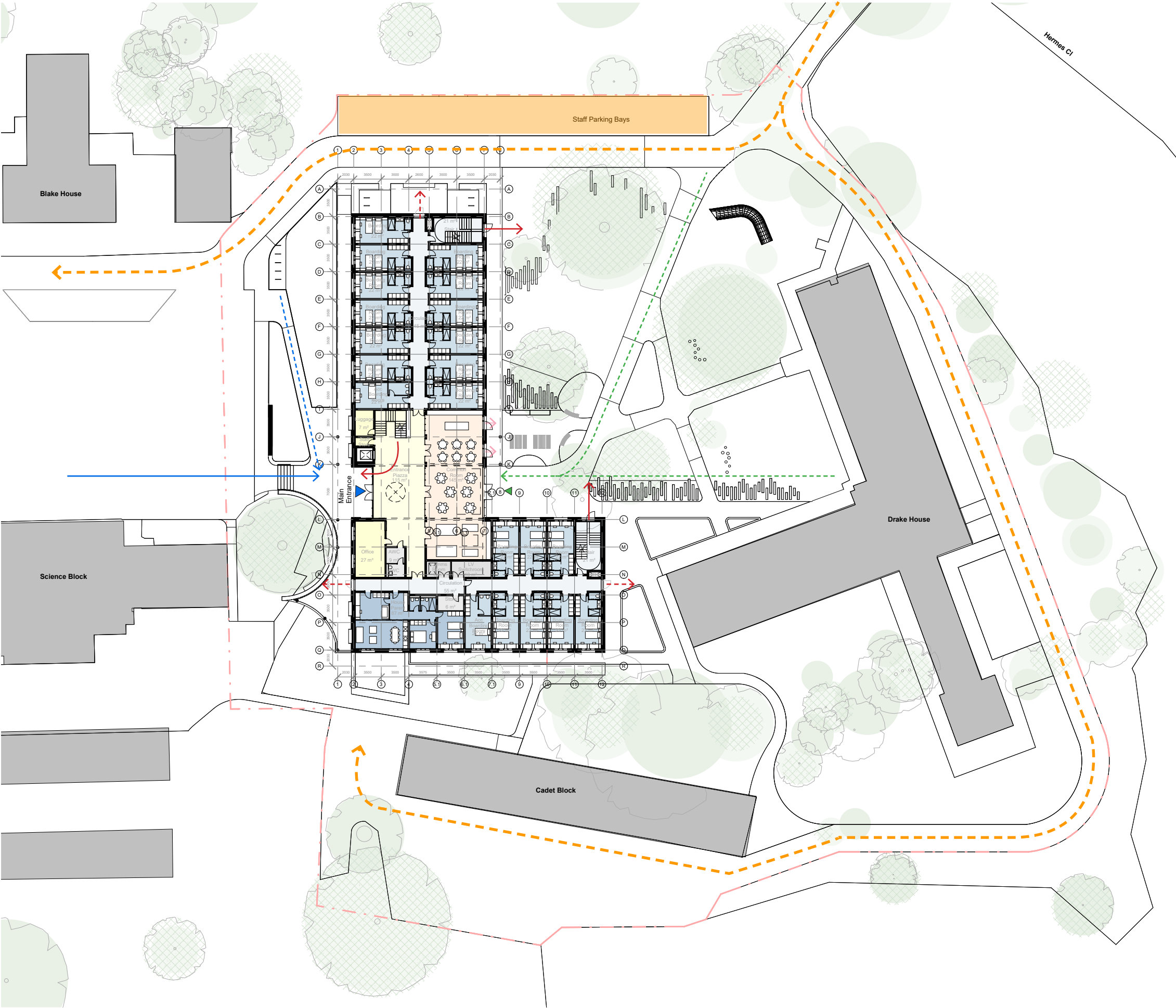
 Fire escape from stair

→

 Vehicular route

■

 Parking area



8

Access

8.2

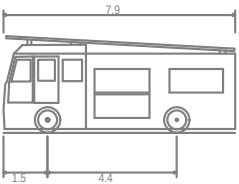
Ground floor access - Tracking

This diagram describes the swept path analysis of a vehicle accessing the site via the new pathway to the south.

Turning manoeuvre 01 shows the path to the south of the Cadet block.

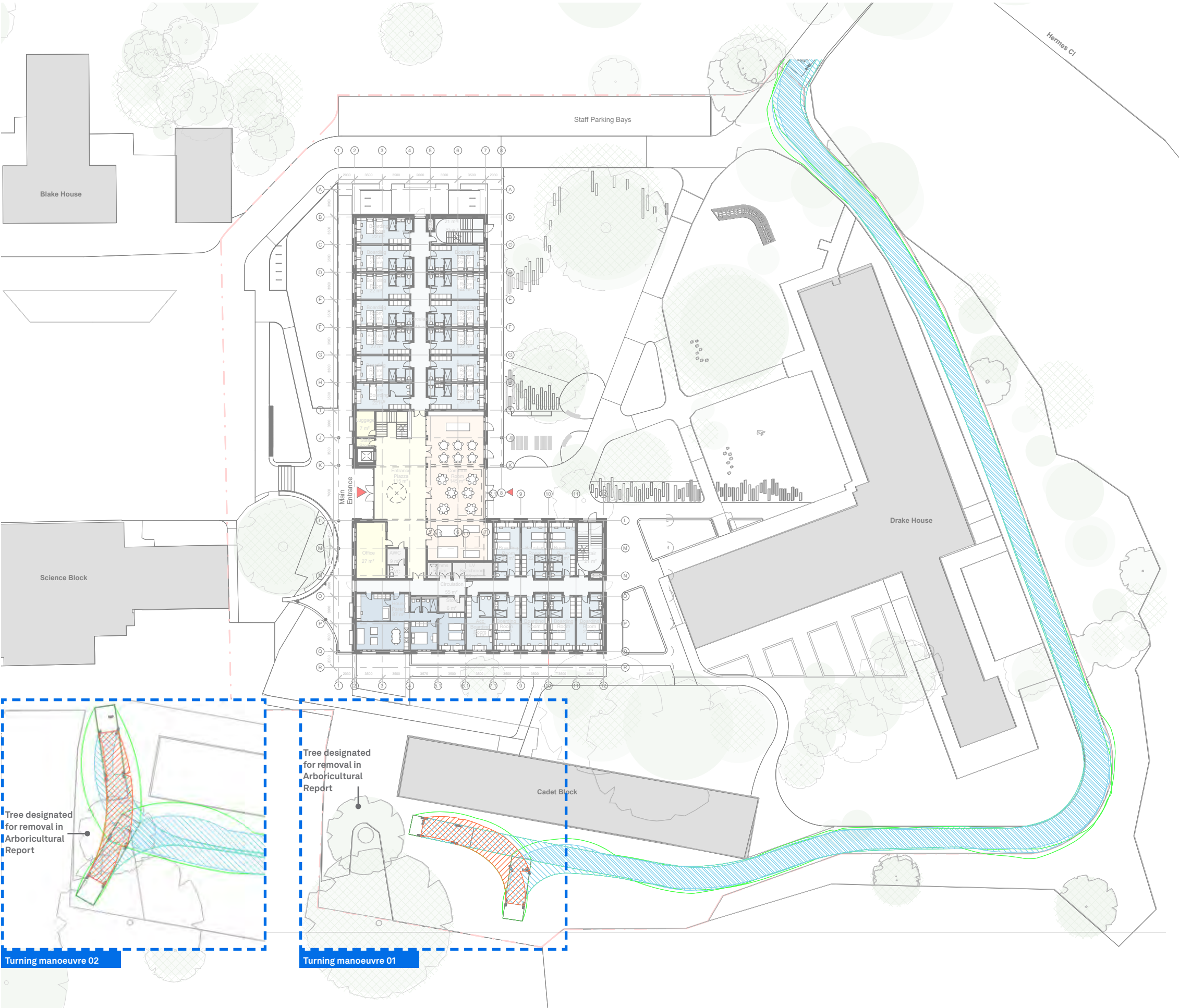
There is an alternative option shown, manoeuvre 02 that presents how this could take place to the west of the Cadet block entrance zone. The tree that sits to the south west of the Cadet block is to be removed according to the Arboricultural report, due to its bad health.

VEHICLE TYPE A - STANDARD DEIGN VEHICLE



Pumping Appliance
Overall Length 7.900m
Overall Width 2.500m
Overall Body Height 3.300m
Min Body Ground Clearance 0.140m
Track Width 2.500m
Lock to lock time 4.00s
Kerb to Kerb Turning Radius 7.750m

- LEGEND
- FORWARD MANOEUVRE
 - REVERSE MANOEUVRE
 - DIRECTION OF TRAVEL
 - VEHICLE BODY OUTLINE
 - VEHICLE OUTLINE WITH DRIVER (PLAN)
 - EXISTING BUILDING
 - PROPOSED BUILDING
 - SITE BOUNDARY



8

Access

8.3

First floor access

Three staircases serve the building, one per block and a central feature stair in the entrance piazza.

These serve as social spaces and escape routes in case of a fire.

A lift connects the Ground Floor with the First Floor, to provide an accessible route and ease the everyday functions in the proposal.

From the central breakout space the immediate roofs can be accessed for maintenance only.

Key:

→

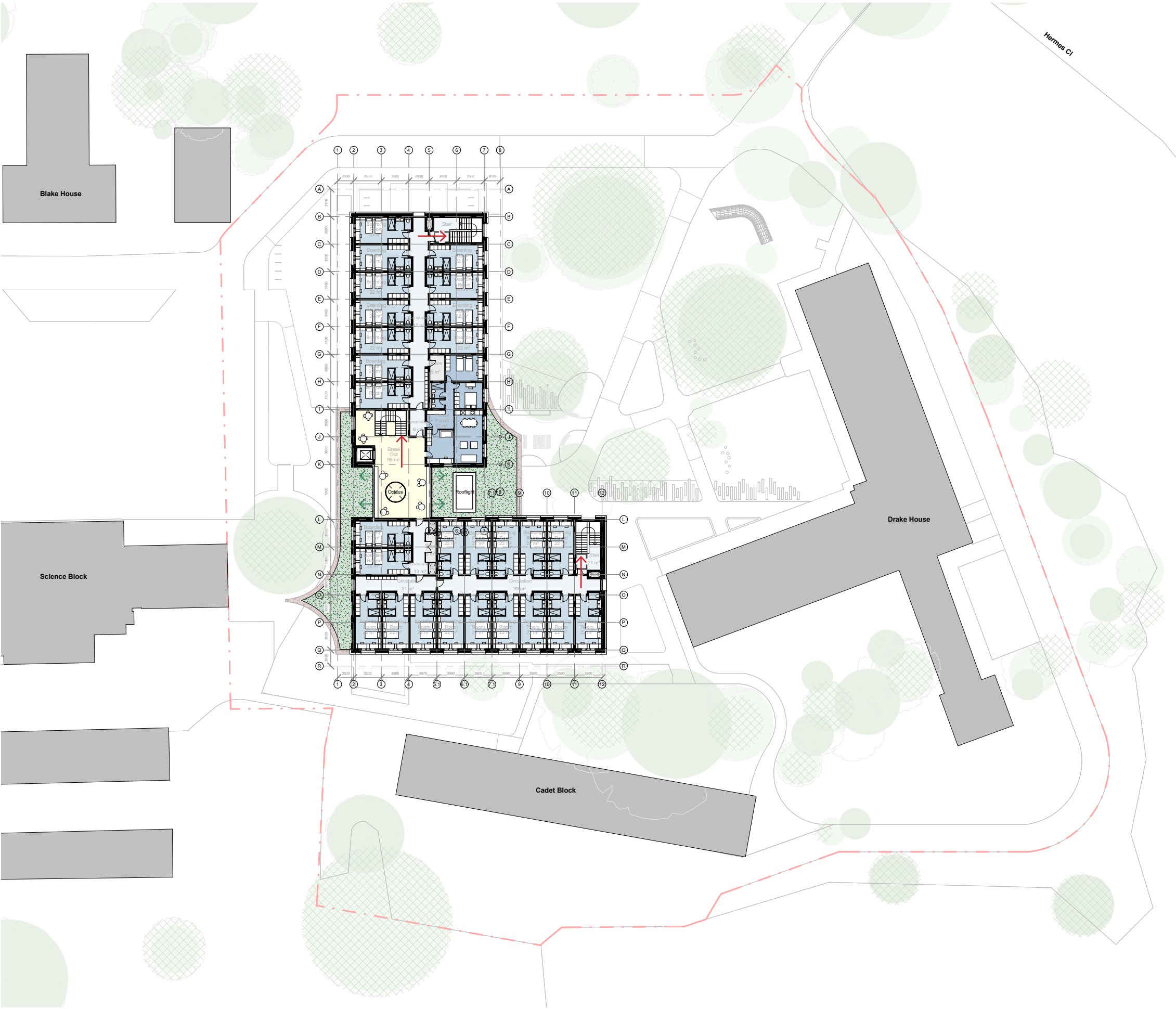
Green roof maintenance access

- - - - ->

Fire escape from corridor

→

Fire escape from stair



8

Access

8.4

Roof and Maintenance

The roof is accessible for plant access and overall maintenance only.

From the staircase at the end of each block, the roof can be accessed via a hatch.

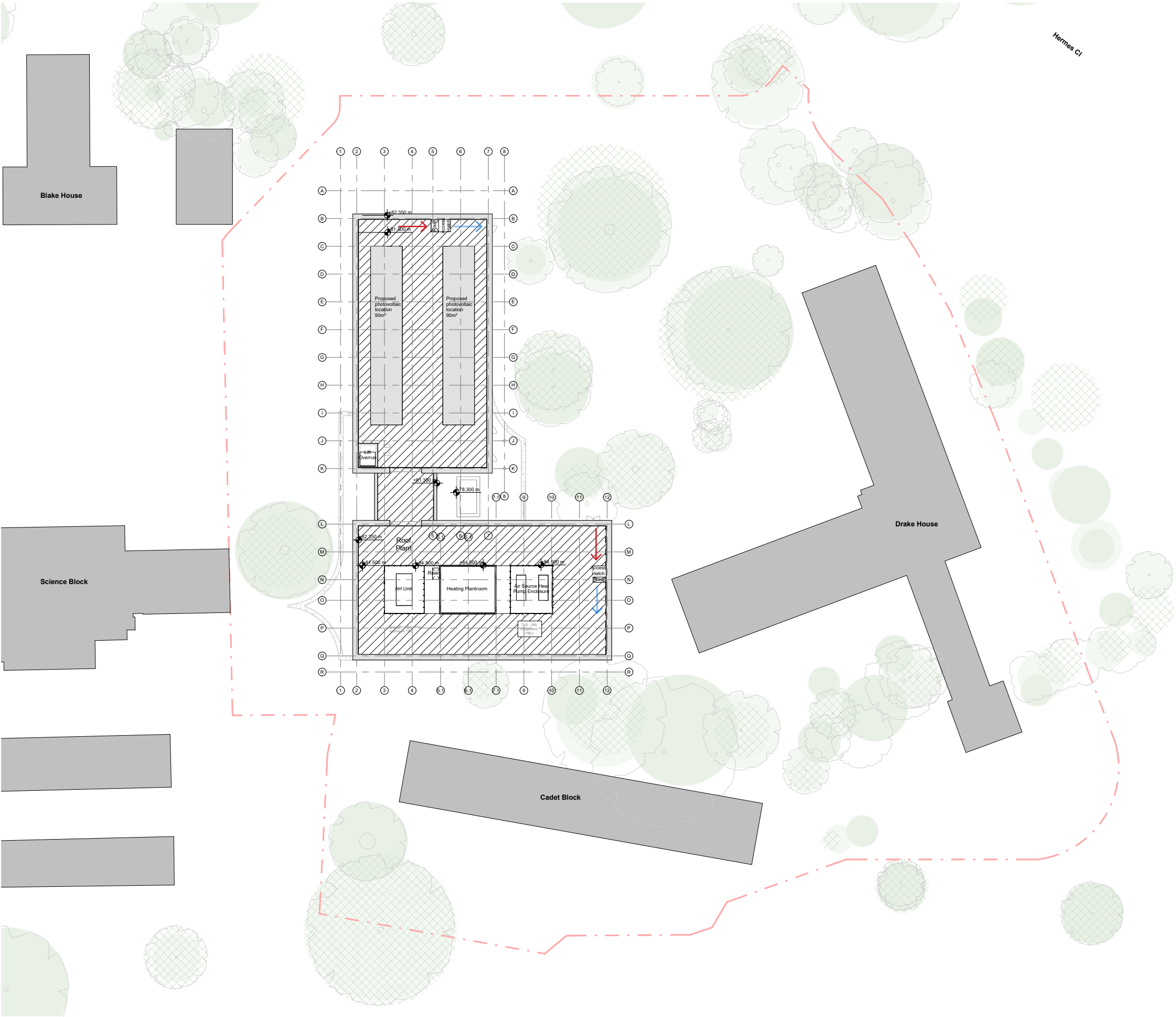
Key:

→

Roof maintenance access

→

Fire escape via stair



HAPTIC

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