



VIEW OF YARD AREA



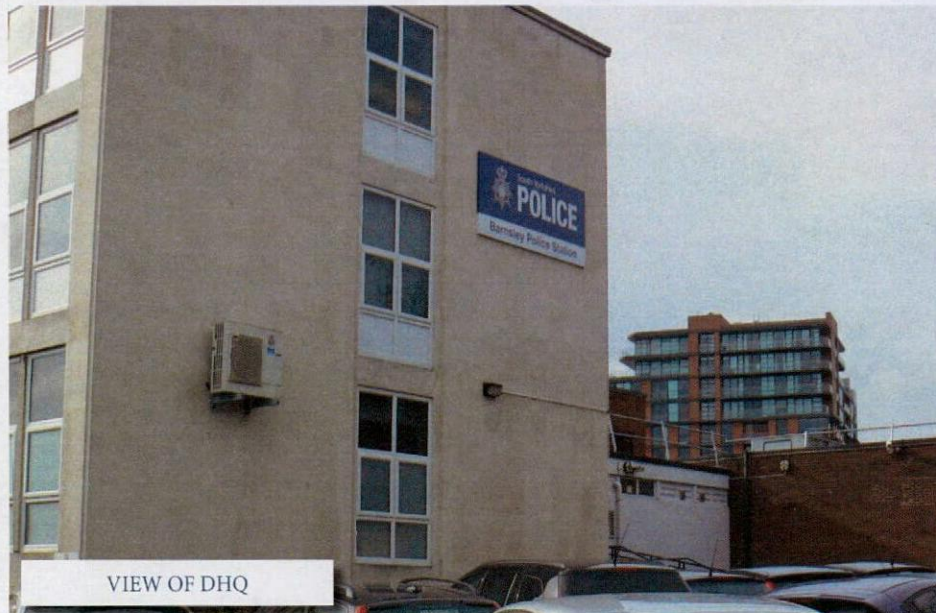
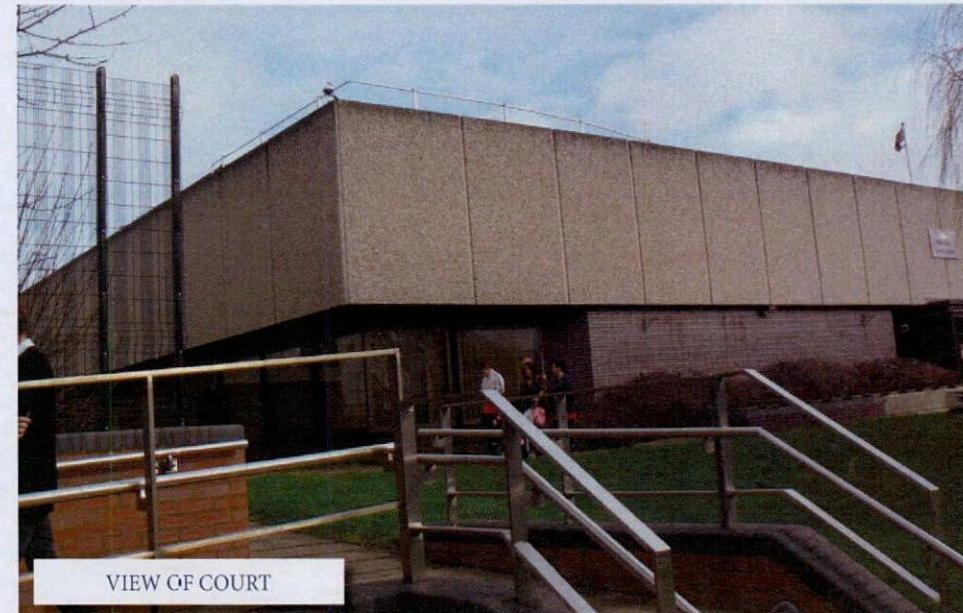
VIEW INTO COURTYARD



VIEW OF CHURCHFIELDS



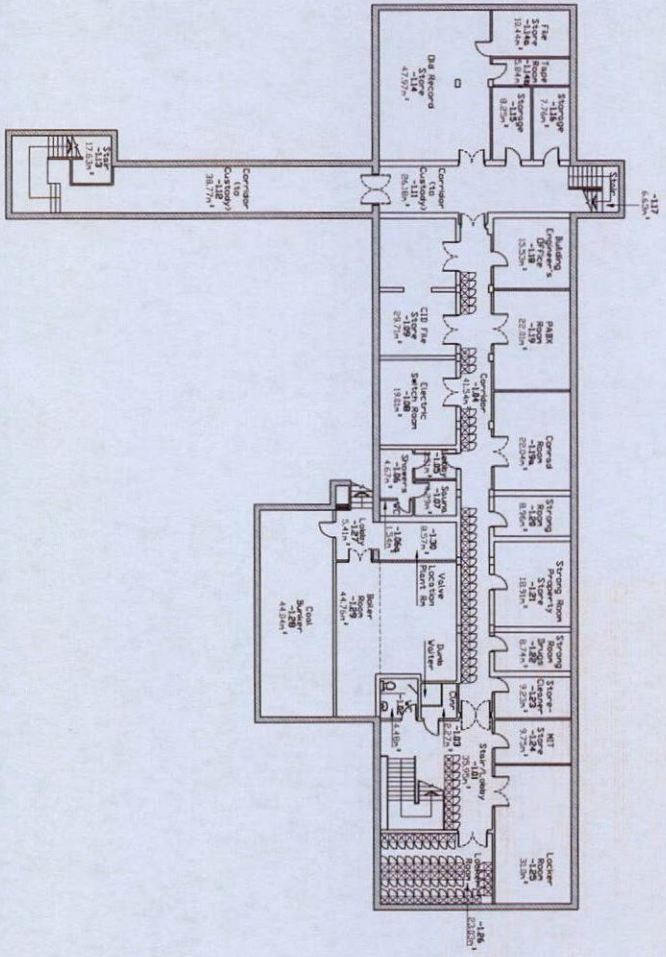
VIEW OF REAR CP SITE

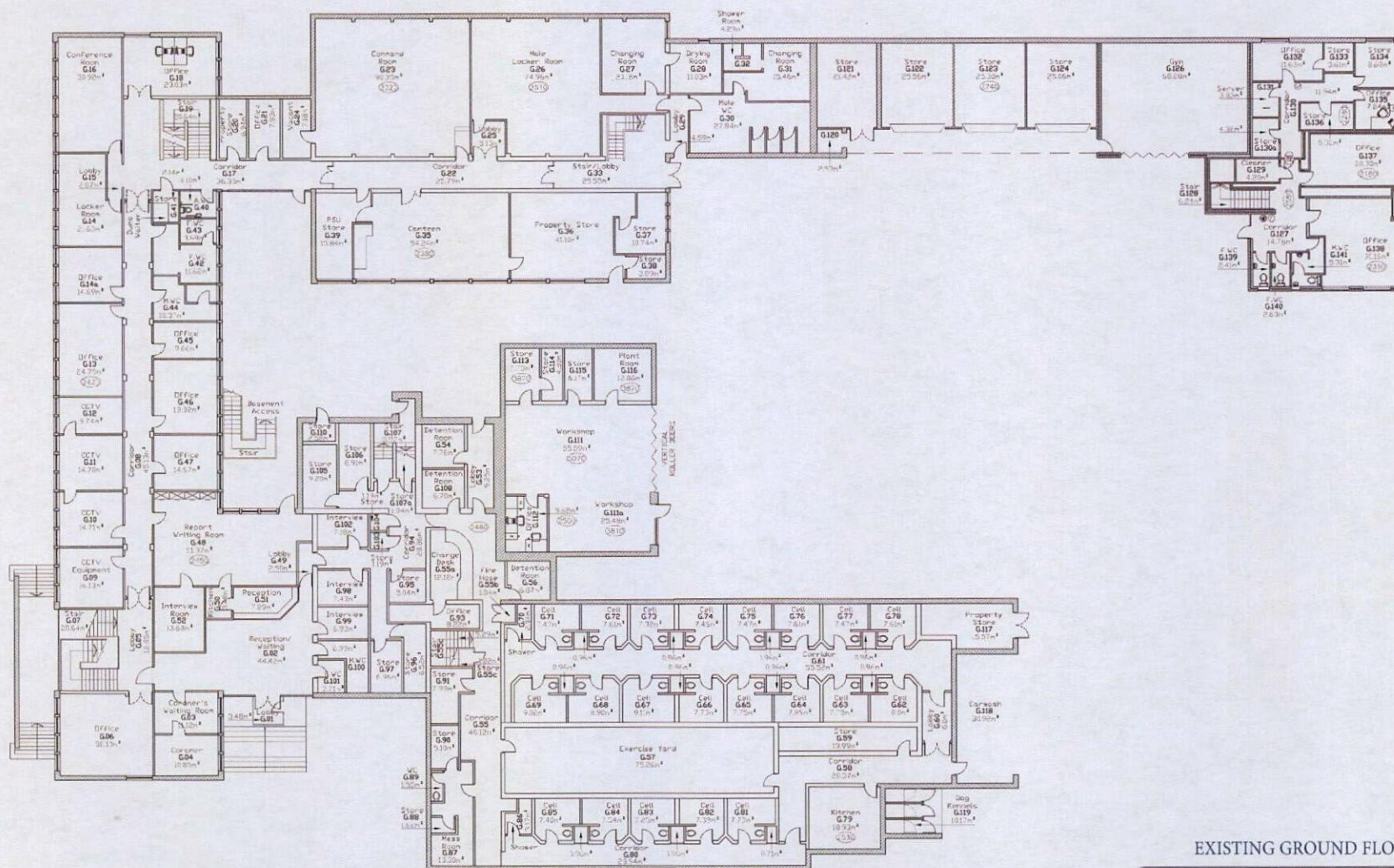


Site Constraints









EXISTING GROUND FLOOR PLAN

Design Rationale

04.

Design Rationale

Police custody suites are incredibly complex buildings from an operational perspective. Adjacencies and flows have to be understood to design a building that performs well and does not have any elements that reduce the efficiency of processing detainees.

Building Layout

The Home Office sets down prescriptive guidance on the arrangement of police facilities based on functional adjacencies. These are set out in the Home Office Police Buildings Design Guide.

Following this guidance we have investigated a number of ways of arranging the individual elements to provide different building forms. All of these have pros and cons that have been analysed through a RAG analysis to assess the options.

A number of layout types were then tested against the site constraints to establish the best overall functional arrangement.

Site Layout

A number of site layout options have been used to test the building options against the physical constraints of the site. These have taken into account a number of different requirements including the different operational groups of vehicles using the site and secure areas.

These options have included a custody suite that is totally detached from the existing DHQ and also options to retain the existing suite during construction.

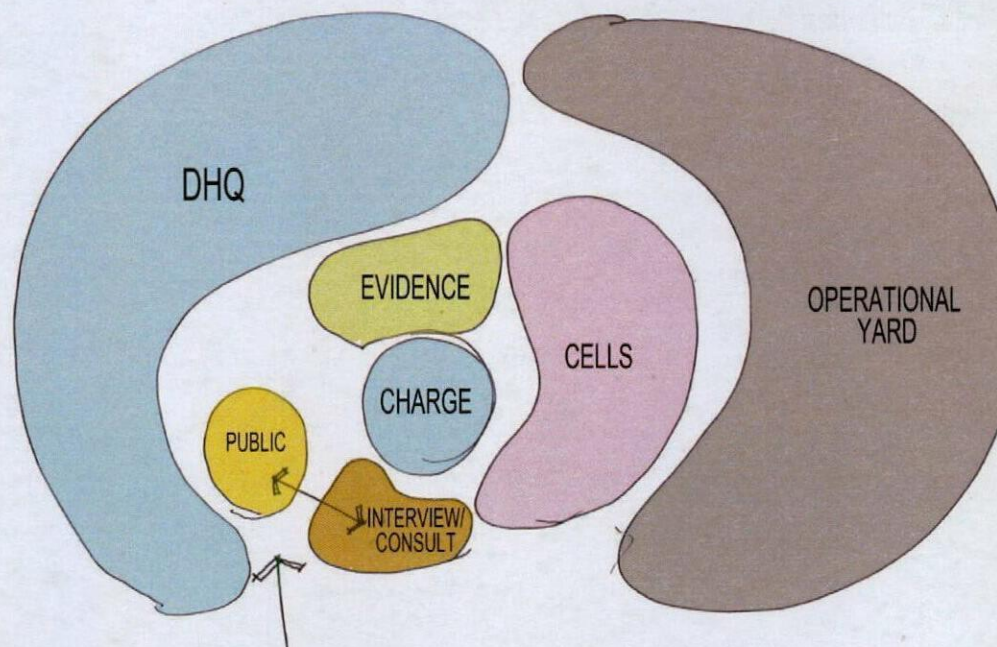
The preferred option has been developed to integrate with the existing DHQ to minimise duplication of function in the 2 buildings.

By locating the building towards the east of the site it also minimises works around the boundary wall to the west, whilst maximising the amount of space available for the operational yard.

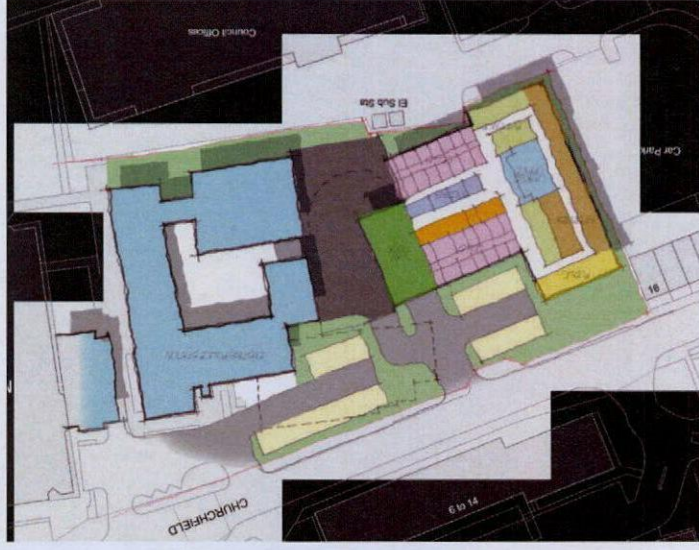
Internally whilst a linear cell layout has been adopted due to site constraints, a radial charge area has been provided to give visibility to cell corridors and allow for some synergy between this and the large new Sheffield suite.

perspective. Adjacencies and flows have to be understood to design a building that performs well.

The adjacent diagram shows the initial adjacencies we feel are important within the facility, we have subsequently held meetings with operational staff to discuss the finer detail of the adjacencies and the current building layout reflects these conversations.



Preferred Option



ARCHITECTURAL
NORR

Scale: 1:1000

Project: Police Investigation and Custody Centre, Barnsley

Client: South Yorkshire Police

Architect: ARCHITECTURAL NORR

Project Number: 1000

Revision: 1

Drawn: [Name]

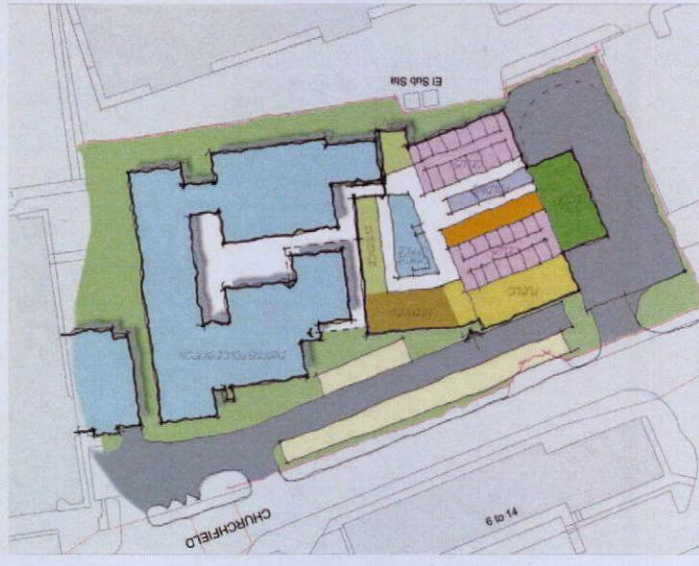
Checked: [Name]

Approved: [Name]

Date: 10/10/2010

Legend:

- Blue: Public
- Green: Cells
- Yellow: Holding
- Orange: Van Dock
- Purple: Interview
- Light Blue: Evidence
- Light Green: Charge Office
- Light Yellow: Interview
- Light Orange: Public
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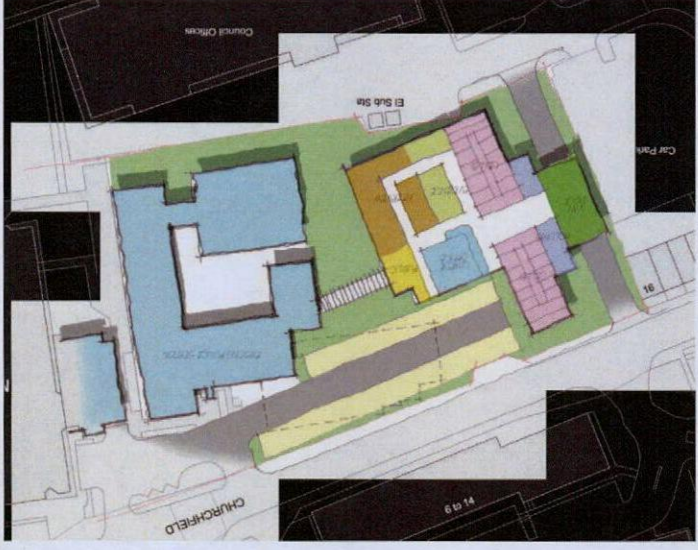
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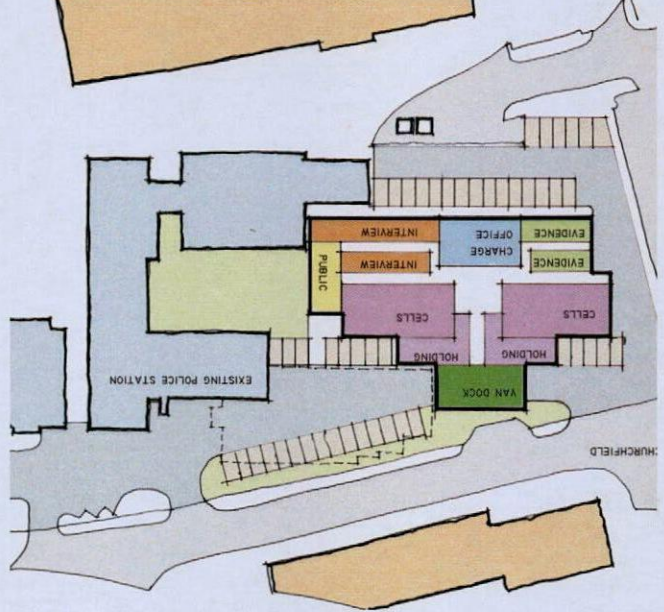
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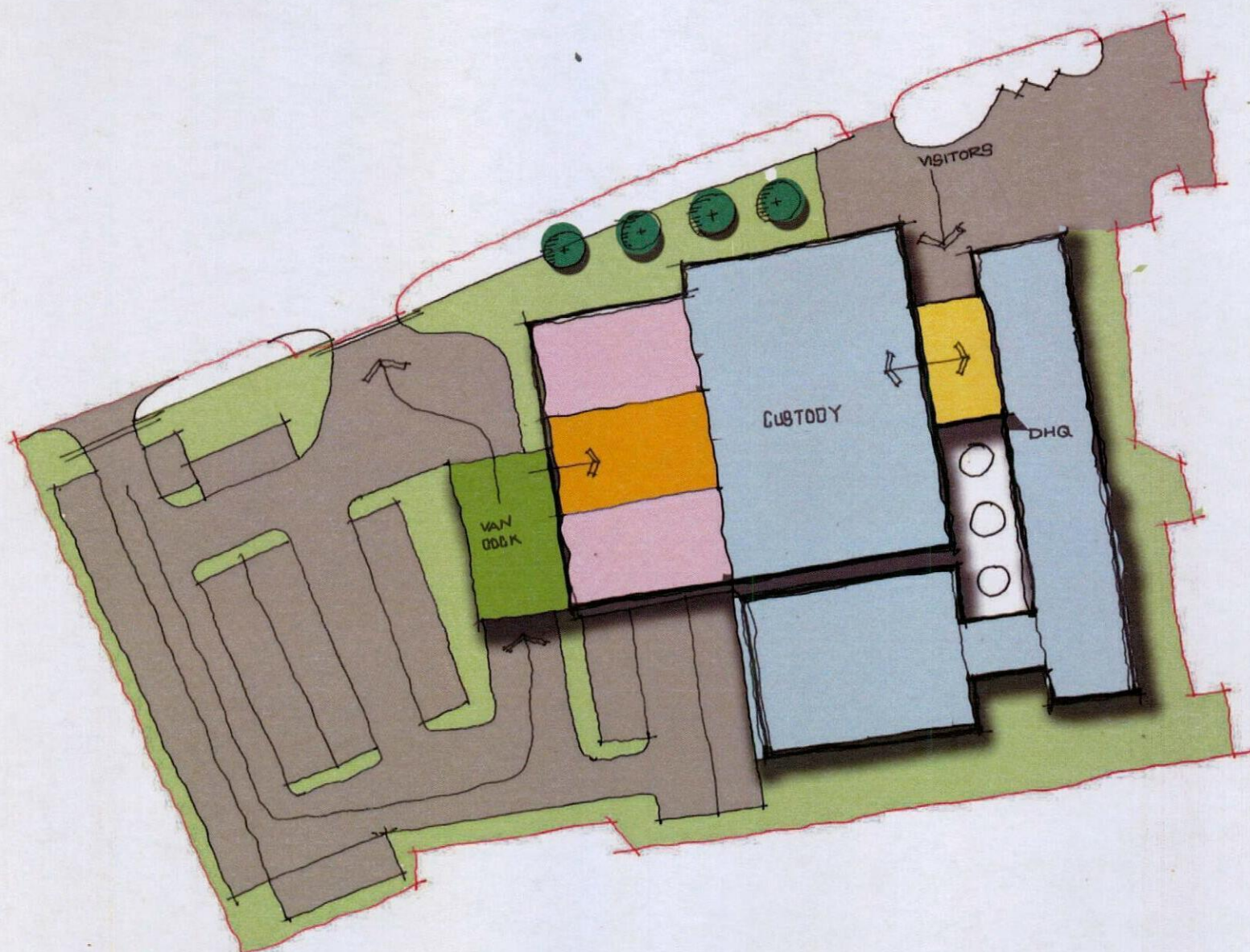
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PREFERRED OPTION UPDATED WITH SITE CONSTRAINTS

Site Organisation

05.

Site Layout

The layout of the design has developed to create a strong yet well mannered building which is logical and relates to its surroundings. From the outset flows within the buildings and around the buildings were critical.

The design of the building has been considered through extensive optioneering considering all the following issues:

- 1 The building is a highly functional building designed around operational processes that are prime drivers in the layout of the building and dictate both the layout and form.
- 2 Interaction between the new building and existing DHQ
- 3 Nature of the building – by virtue of the function of the building it has a very introverted and defensive ground floor in which the security requirements from the Home Office significantly restrict the opportunity for windows.

The following vehicle movements need to be considered as part of the site masterplan:

Visitors
Staff
Operational vehicles
Custody Vehicles
Service Vehicles

vehicle flows need to be kept logical and direct.

Access to the site is limited to operational vehicles utilising a one way system with a single in and out onto Churchfields and a separate pedestrian access linked with the DHQ main entrance. The Operational yard area has also been rationalised to make better use of the site for parking.

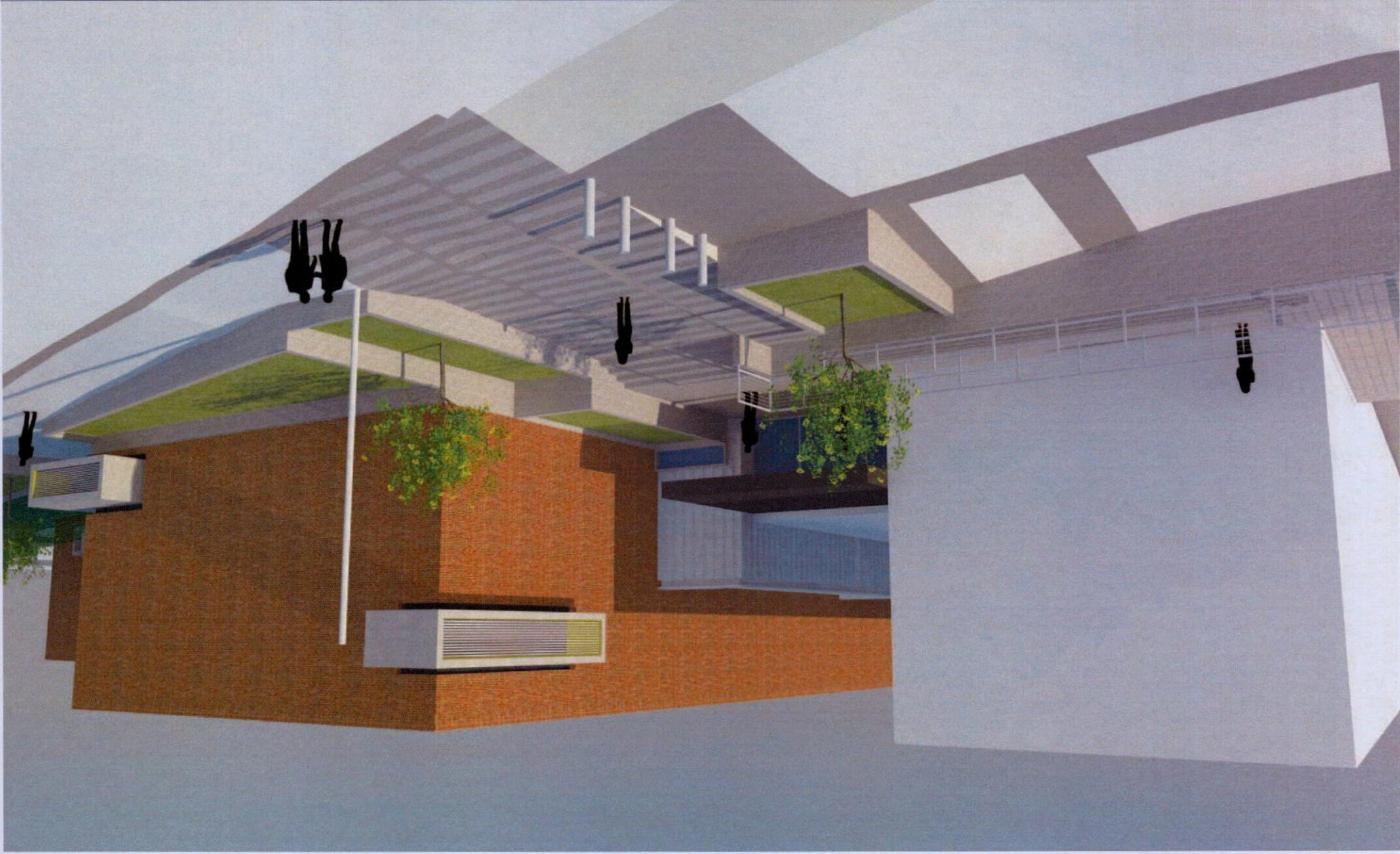
The site itself has one main frontage to Churchfields and as such a solution has been developed that shows strong presence and image to this elevation, addressing the streetscape and requirements of the Local Planning Authority.

A new public entrance is to be formed between the DHQ and custody suite with enhanced visibility and new public realm space in front of the entrance, providing parking, steps and a ramp.

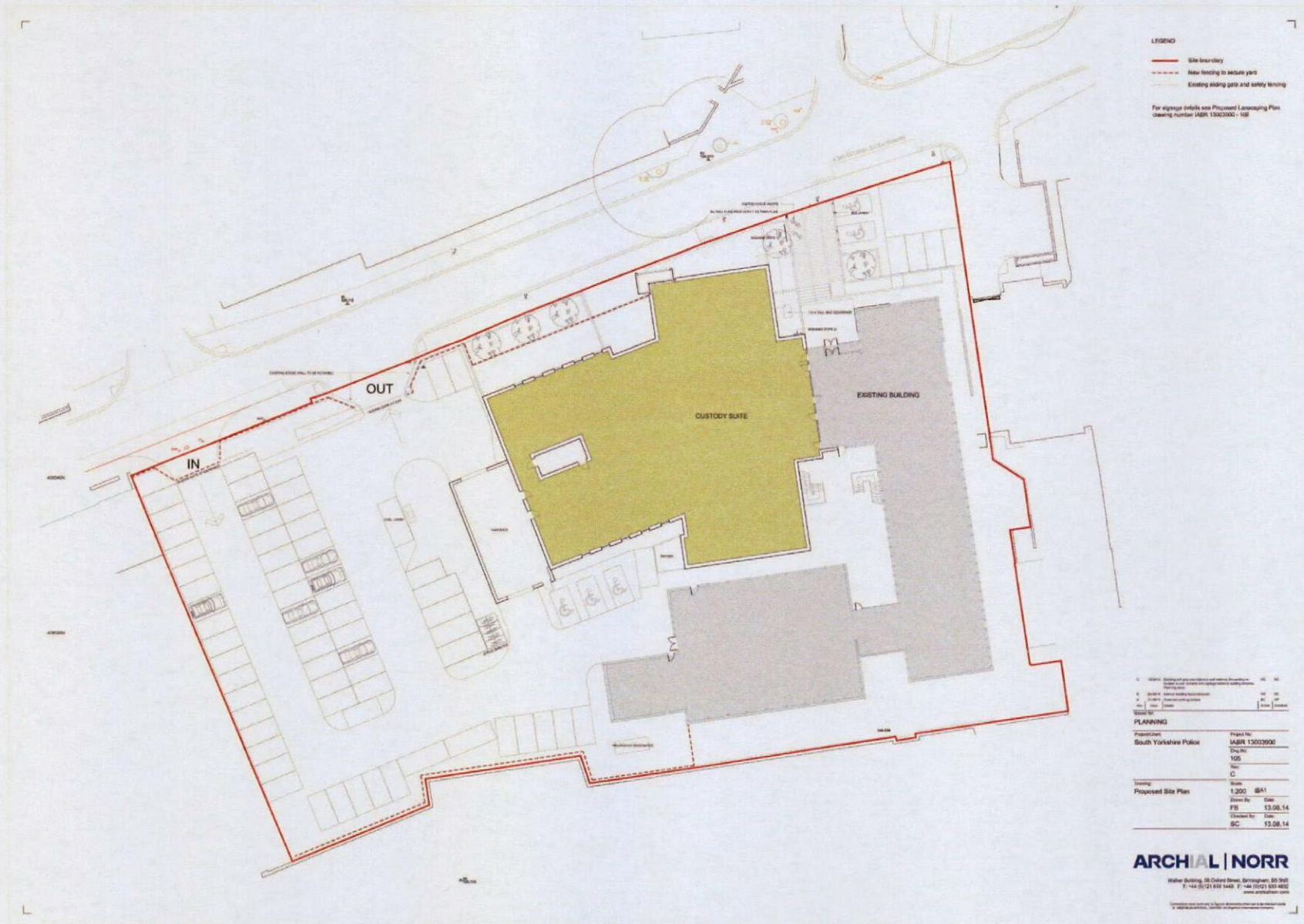
Preliminary sketch views



Because of the very different kinds of users attending site the



Site Layout



Building Layout

06.