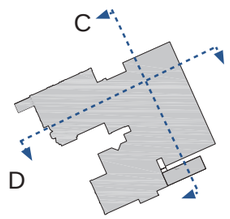
3.5 Proposed Sections

Section CC

Section DD



5m

3.6 Internal Repair

Internal proposed repair

The Furze building is in poor condition.Therefore, it required repair overall, but due to budget constraints, the team have identified the following items that must be addressed within the project for the building to be operational, safe and compliant. The project team recommends an extensive refurbishment programme to be carried out as soon as it is practicable.

- Internal walls and partitions, most of the original internal walls are solid brickwork, timber-framed construction clad with plaster, and recent additional partitions of plasterboard; the internal walls are generally fair condition, there is some visible cracking at the head of the walls.

- The first and the second-floor levels have active damp penetration caused by faulty rainwater drainage and defective blocked gutters.

- Damage to internal fabric is to be made good or replaced and faulty drainage and roof fabric rectified.

- Flooring: the floors internally are generally in a fair condition, worn out from consistent use; repairs are to include: maintaining floorboards, adding damp-proof membranes, and replacing the finishes with better quality (carpet/vinyl) tiles where needed.(Further, inspection will be required to ensure the floorboards and joists are fit for purpose and have not been affected by any infestation or decay).

- Ceiling: Most of the Ceiling in the building is modern plasterboard, and original lath and plaster remain in some sections of the original Georgian building, mostly in fair condition. However, replacement of the ceiling boards is required.

- WC: as seen in the images, a few of the WC facilities within the Furze require repair or upgrading.

Breathable paint introduced to replace the modern paint in order to reduce dampness by bringing the natural ventilation to the fabric . They limewash also has no VOC content.

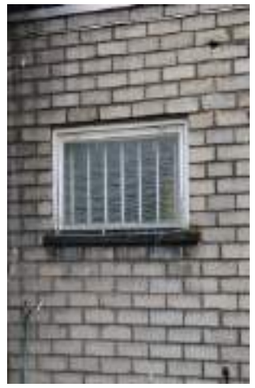
3.6 **Proposal -** External doors and windows to be replaced

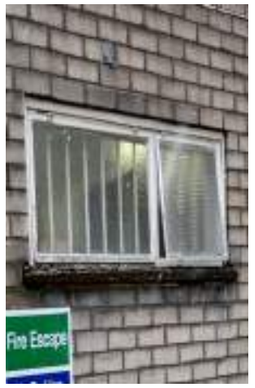

ED-00-CA-02


ED-00-CIR-01


ED-00-CIR-02


ED-00-EDT-02


W-00-01



W-00-02


W-00-03


W-00-07


W-00-08


W-00-13


W-00-17


W-00-18


W-01-18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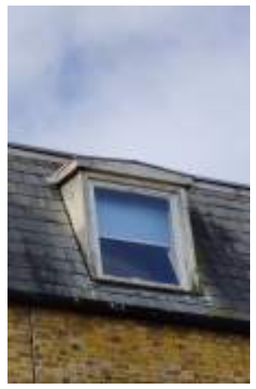
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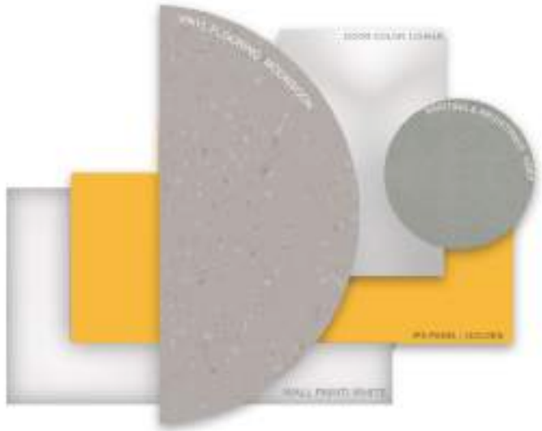
4.0 Proposal - Adult Audiology



DEPARTMENT	AREAS	FINISH	CODE	PATTERN/COLOUR NAME	LRV
ALL	WCs STORE DIRTY UTILITY KITCHEN/PANTRY CORRIDOR ADJACENT TO WC	FLOOR FINISH	F4	MONSOON	25
		WALL FINISH	W2	WHITE	TBC
		IPS FINISH	N/A	GOLDEN	35
		DOOR	N/A	CHALK/ WHITE	78
		FRAME/SKIRTING	N/A	FLINT/ GREY	21
		CEILING		WHITE	94.5

DEPARTMENT	AREAS	FINISH	CODE	PATTERN/COLOUR NAME	LRV
AUDIOLOGY AND CLINICAL ADMIN	ALL ROOMS NOT MENTIONED ABOVE	FLOOR FINISH	F2/F3	HONEY BEIGE	29
		WALL FINISH	W2	WHITE	TBC
		IPS FINISH	N/A	DUCK EGG	35
		DOOR	N/A	CHALK/ WHITE	78
		FRAME/SKIRTING	N/A	FLINT/ GREY	21
		CEILING	N/A	WHITE	94.5

Proposed Design:

Proposed areas NIA (includes shared, comm and internal plant spaces):

Audiology: 191m2

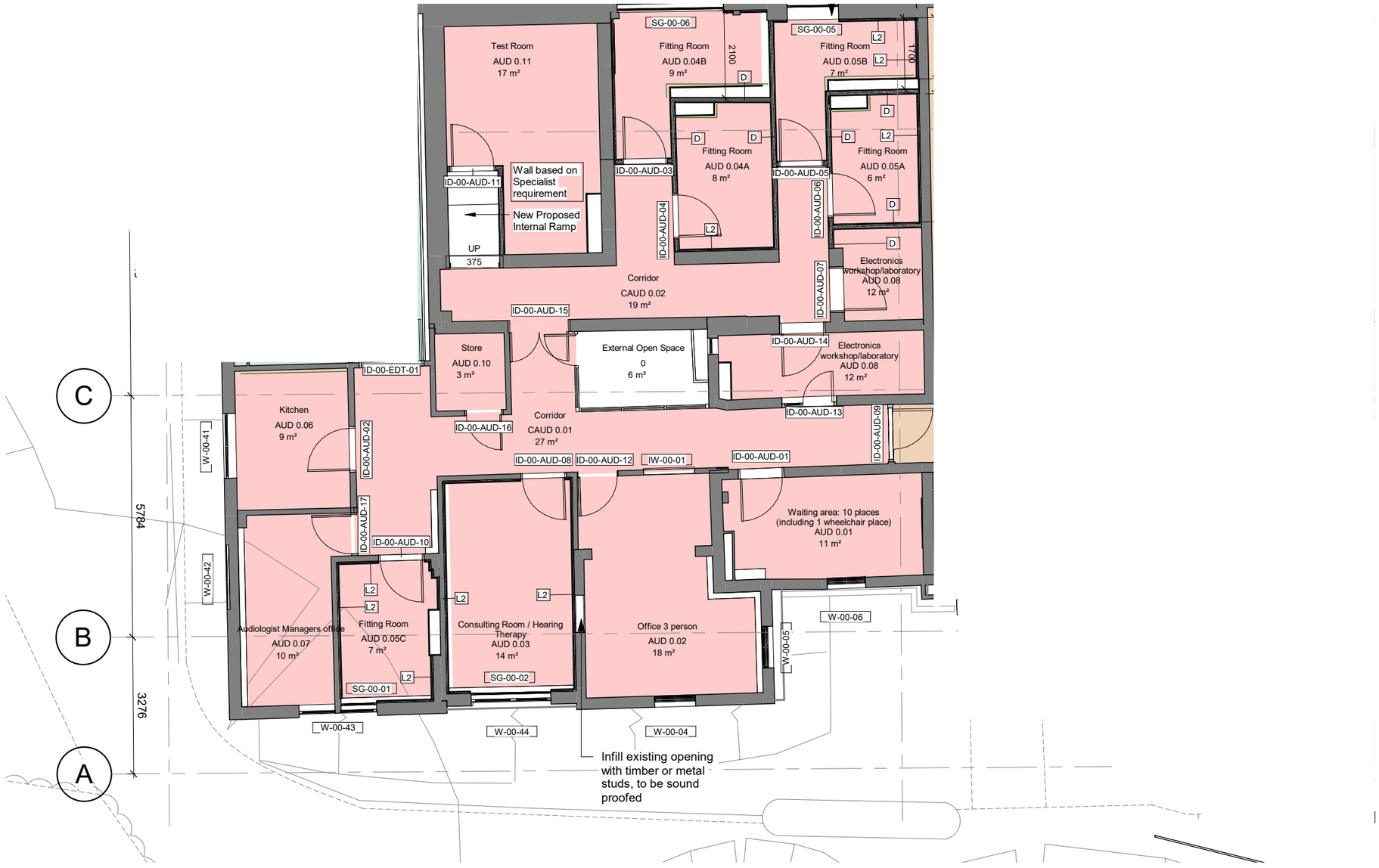
- Room adjacency and areas are based on existing provisions and SoA.

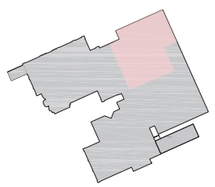
- The Audiology department will be located on the ground floor of the extension in the Furze, replacing the current location of pediatric Audiology.
- The layout is designed to retain as many existing rooms as possible. Based on the advised schedule of areas, key stakeholders have discussed and approved all the arrangements.
- All existing walls are to be retained, with minor additional partition walls in the fitting rooms.
- One of the existing test rooms is to be replaced with upgraded to comply with the current regulations/ acosutic requirments.
- All fitting rooms and hearing therapy rooms need to be acoustically viable for the work; therefore, acoustic lining has been added to the rooms.
- All skirting within the clinical spaces will be removed, and new coping skirting will be introduced to comply with infection control.
- A new suspended ceiling will be introduced to reduce noise and vibration from the floor above and within the room. (Please refer to drawing series 42000 for the type of ceiling introduced.)
- Open space within the Department is being reinstated to allow for better natural ventilation within the space.

INTERNAL DESIGN STRATAGEY

4.1 Proposal - Adult Audiology Plan

GROUND FLOOR





2.5m

4.2 Proposal - Adult Audiology SoA

Department	Level	Room Number	Room Name	Room Areas (m²)
Audiology	L00 FFL	AUD 0.01	Waiting area: 10 places (including 1 wheelchair place)	11 m²
Audiology	L00 FFL	AUD 0.02	Office 3 person	18 m²
Audiology	L00 FFL	AUD 0.03	Consulting Room / Hearing Therapy	14 m²
Audiology	L00 FFL	AUD 0.04A	Fitting Room	8 m²
Audiology	L00 FFL	AUD 0.04B	Fitting Room	9 m²
Audiology	L00 FFL	AUD 0.05A	Fitting Room	6 m²
Audiology	L00 FFL	AUD 0.05B	Fitting Room	7 m²
Audiology	L00 FFL	AUD 0.05C	Fitting Room	7 m²
Audiology	L00 FFL	AUD 0.06	Kitchen	9 m²
Audiology	L00 FFL	AUD 0.07	Audiologist Managers office	10 m²
Audiology	L00 FFL	AUD 0.08	Electronics workshop/laboratory	12 m²
Audiology	L00 FFL	AUD 0.10	Store	3 m²
Audiology	L00 FFL	AUD 0.11	Test Room	17 m²
Audiology	L00 FFL	AUD 0.12	Therapist Room	14 m²
Audiology	L00 FFL	CAUD 0.01	Corridor	27 m²
Audiology	L00 FFL	CAUD 0.02	Corridor	19 m²

Total Rooms	16
Total NIA (m²)	191 m²

5.0 Proposal - Haematology

Proposed Design:

Proposed areas NIA (includes shared, comm and internal plant spaces):

Haematology: 279 m2

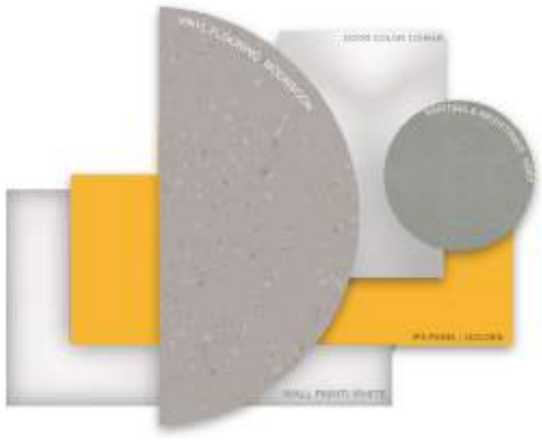
The Med-Haematology department is situated in the rear extension of the Furze building. This location was chosen by the users due to its proximity to the main hospital.

The existing entrances are intended to be retained. Two access points have been identified, with one designated as the primary emergency route connected to the A&E department.

The department's layout comprises ten chemotherapy treatment spaces: six patient chairs and four chemotherapy treatment rooms, in addition to a staff area, clean and dirty utilities, among other facilities.

All medical equipment remains mobile and movable, eliminating the need for listed building consent, as no fixed equipment will impact the existing walls.

Furthermore, the planned Air Handling unit for connection to the Med-Haematology unit will require a planning application to assess its structural and aesthetic implications.

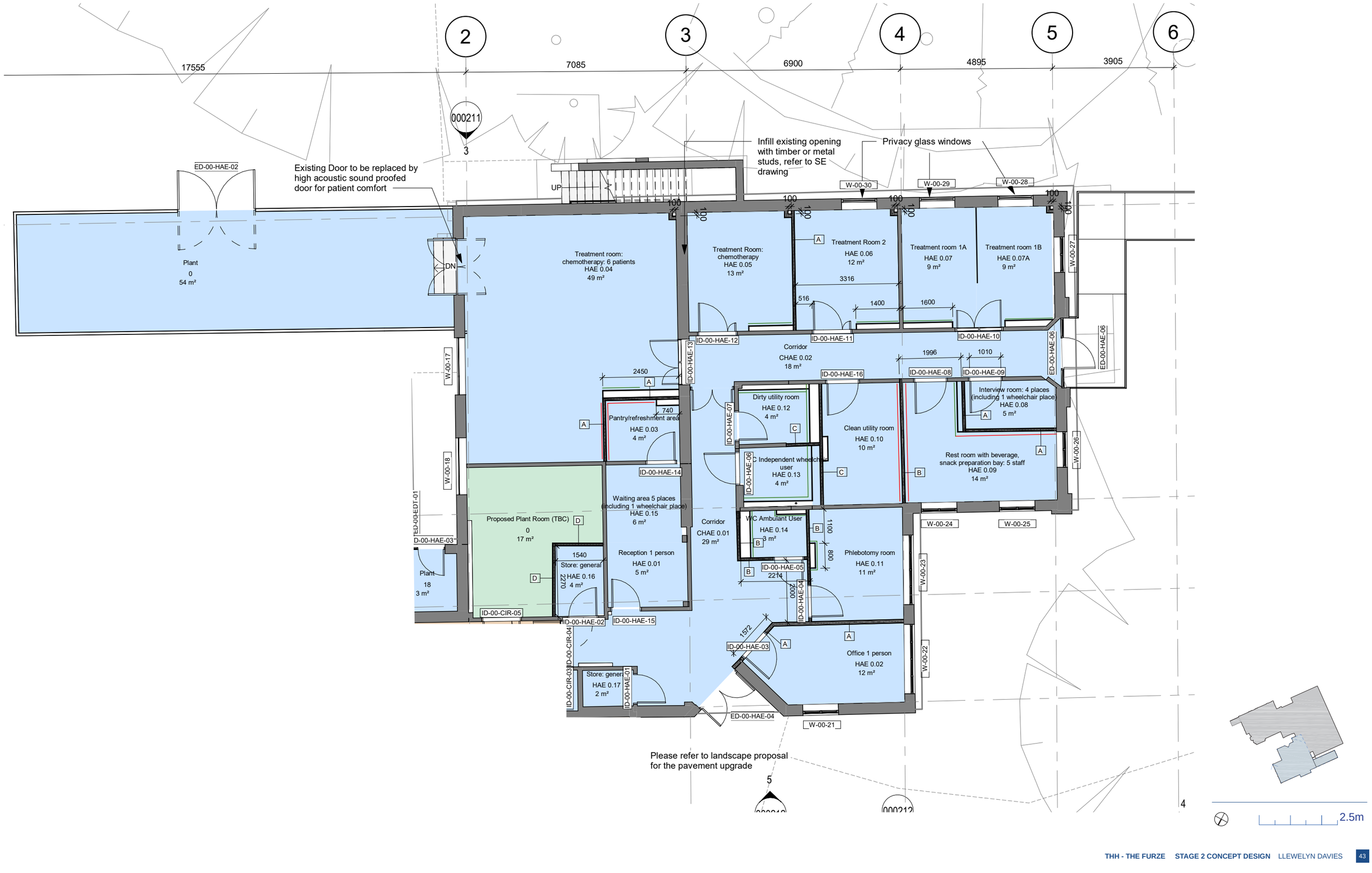


INTERNAL DESIGN STRATAGEY

DEPARTMENT	AREAS	FINISH	CODE	PATTERN/COLOUR NAME	LRV
HAEMATOLOGY	TREATMENT ROOM OFFICE RECEPTION WAITING ROOM PHLEBOTOMY ROOM	FLOOR FINISH	F5 F3	BLOSSOM AIR HONEY BEIGE	67 29
		WALL FINISH	W4	WHITE	TBC
		IPS FINISH	N/A	MERLOT	8
		DOOR	N/A	CHALK/ WHITE	78
		FRAME/SKIRTING	N/A	Flint/ GREY	21
		CEILING		WHITE	94.5

DEPARTMENT	AREAS	FINISH	CODE	PATTERN/COLOUR NAME	LRV
ALL	WCs STORE DIRTY UTILITY KITCHEN/PANTRY CORRIDOR ADJACENT TO WC	FLOOR FINISH	F4	MONSOON	25
		WALL FINISH	W2	WHITE	TBC
		IPS FINISH	N/A	GOLDEN	35
		DOOR	N/A	CHALK/ WHITE	78
		FRAME/SKIRTING	N/A	FLINT/ GREY	21
		CEILING		WHITE	94.5

5.1 Proposal - Haemotology Plan



5.2 Proposal - Haemotology SoA

Department	Level	Room Number	Room Name	Room Areas (m²)
Haematology	L00 FFL	0	Plant	54 m²
Haematology	L00 FFL	18	Plant	3 m²
Haematology	L00 FFL	CHAE 0.01	Corridor	29 m²
Haematology	L00 FFL	CHAE 0.02	Corridor	18 m²
Haematology	L00 FFL	HAE 0.01	Reception 1 person	5 m²
Haematology	L00 FFL	HAE 0.02	Office 1 person	12 m²
Haematology	L00 FFL	HAE 0.03	Pantry/refreshment area	4 m²
Haematology	L00 FFL	HAE 0.04	Treatment room: chemotherapy: 6 patients	49 m²
Haematology	L00 FFL	HAE 0.05	Treatment Room 3	13 m²
Haematology	L00 FFL	HAE 0.06	Treatment Room 2	12 m²
Haematology	L00 FFL	HAE 0.07	Treatment room 1A	9 m²
Haematology	L00 FFL	HAE 0.07A	Treatment room 1B	9 m²
Haematology	L00 FFL	HAE 0.08	Interview room	5 m²
Haematology	L00 FFL	HAE 0.09	Rest room with beverage, snack preparation bay: 5 staff	14 m²
Haematology	L00 FFL	HAE 0.10	Clean utility room	10 m²
Haematology	L00 FFL	HAE 0.11	Phlebotomy room	11 m²
Haematology	L00 FFL	HAE 0.12	Dirty utility room	4 m²
Haematology	L00 FFL	HAE 0.13	WC Independent wheelchair user	4 m²
Haematology	L00 FFL	HAE 0.14	WC ambulant user	3 m²
Haematology	L00 FFL	HAE 0.15	Waiting area 5 places (including 1 wheelchair place)	6 m²
Haematology	L00 FFL	HAE 0.16	Store: general	4 m²
Haematology	L00 FFL	HAE 0.17	Store: general	2 m²

Total Rooms	22
Total NIA (m²)	279 m²

5.3 Proposal - Haemotology Plant

Proposed Design:

The Haematology centre within the Furze requires mechanical ventilation due to the capacity and the nature of use. Following careful consideration, it was agreed to locate the A/C Unit on the South East side of the building, taking the area of 2 parking spaces, allowing for fewer interventions and a clear route to the Haematology department.

The Unit will lay on large feet to minimise the structural implications and spread the weight load on the existing slap on the parking area.

The plan and the views show the extent of the screening required to hide the mechanical ducts. The external walls of the plant will be clad with 18 x 70mm cedar wood slates and coated with a weatherproof finish, as per the approved granted condition 4 (Part F) 4058/APP/2023/3621 to respond with the surrounding nature.

2no louvres with insect mesh to be installed as an inlet and outlet for the plant /equipment.

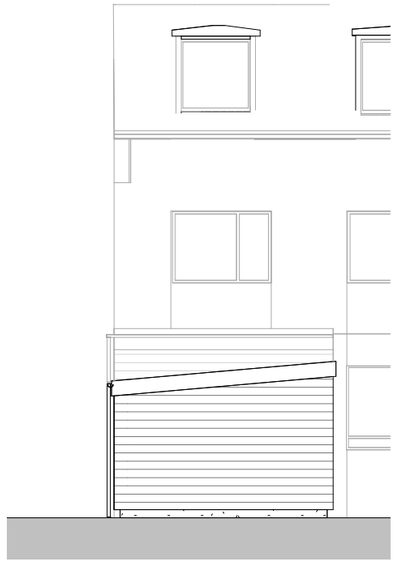
5.4 Proposal - Haemotology Plant

The Plant area roof

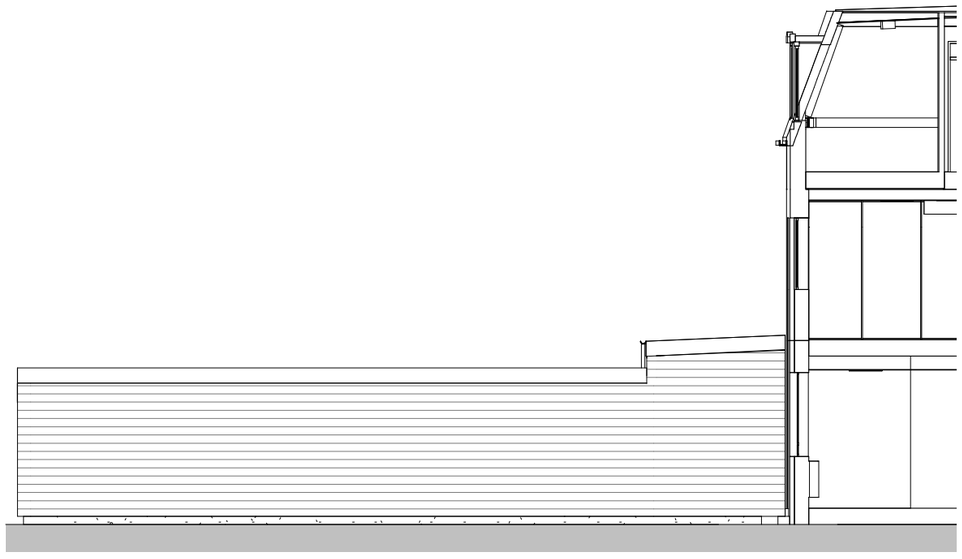
Following a recent update to the NHS Healthcare Technical Memorandum 03-01 document (HTM 03-01 Specialised ventilation for healthcare buildings), which sets out the legal requirements for ventilation and plant room requirements for healthcare buildings, an enclosed roof is now proposed for the rear plant area to comply with NHS regulations.

The HTM document states the following (when refurbishing or changing the use of an existing building, plant space should be created to house the ventilation plant and other services. If located at ground level they should be secured within an enclosed plant room to prevent unauthorised access).

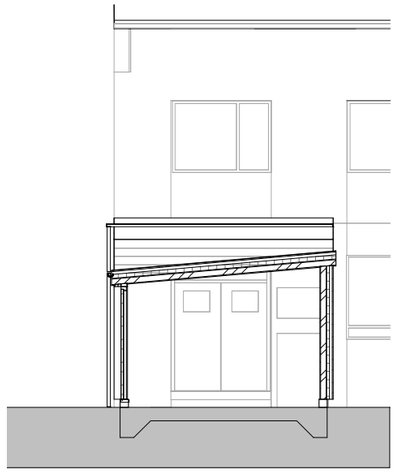
The proposed roof of the plant room is designed as a felt roof system with a 300mm overhang to each side to accommodate a standard black guttering system which will connect into the existing drainage system. A fall of 20-50mm will be introduced to the roofing system.



Plant Elevation

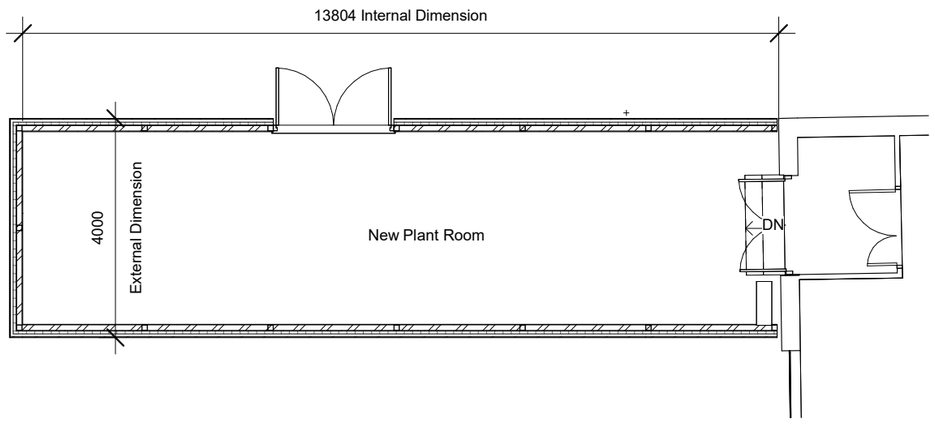


Plant Elevation

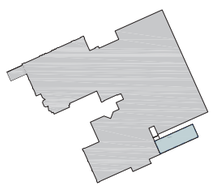


Plant Section

Plant Elevation



Plant Plan



2m

6.0 Proposal - Education and Training

INTERNAL DESIGN STRATAGEY

DEPARTMENT	AREAS	FINISH	CODE	PATTERN/COLOUR NAME	LRV	SPECS
EDUCATION AND TRAINING	ALL EDUCATION AND TRAINING ROOMS	FLOOR FINISH	N/A	2108PL CALCIUM	4	M50
		FLOOR FINISH	F3	HONEY BEIGE	29	M50
		WALL FINISH	N/A	WHITE		M60
		WALL FINISH	N/A	COASTAL GREY	70	M60
		DOOR	N/A	CHALK/ WHITE	78	L20
		FRAME/SKIRTING	N/A	FLINT/ GREY	21	L20
		CEILING	N/A	WHITE	94.5	K40

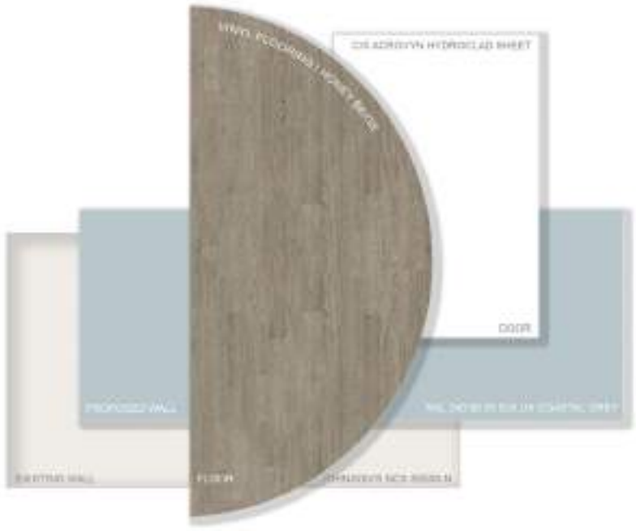
Proposed Design:

Education Centre: 227m2

Education centre is located Ground Floor.

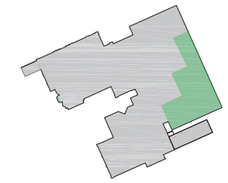
Room areas are based on existing provision and stakeholders' requirements. Library and computer room with office spaces which have been based on an agile working policy of 50% providing a hot desk system.

Existing walls are to be retained, with minor demolished to allow for larger spaces, new partitions to be added for fire compartmentation and room separation.
Most of the finishes to the education and training are to be replaced with new finishes.



CIRCULATION AREAS

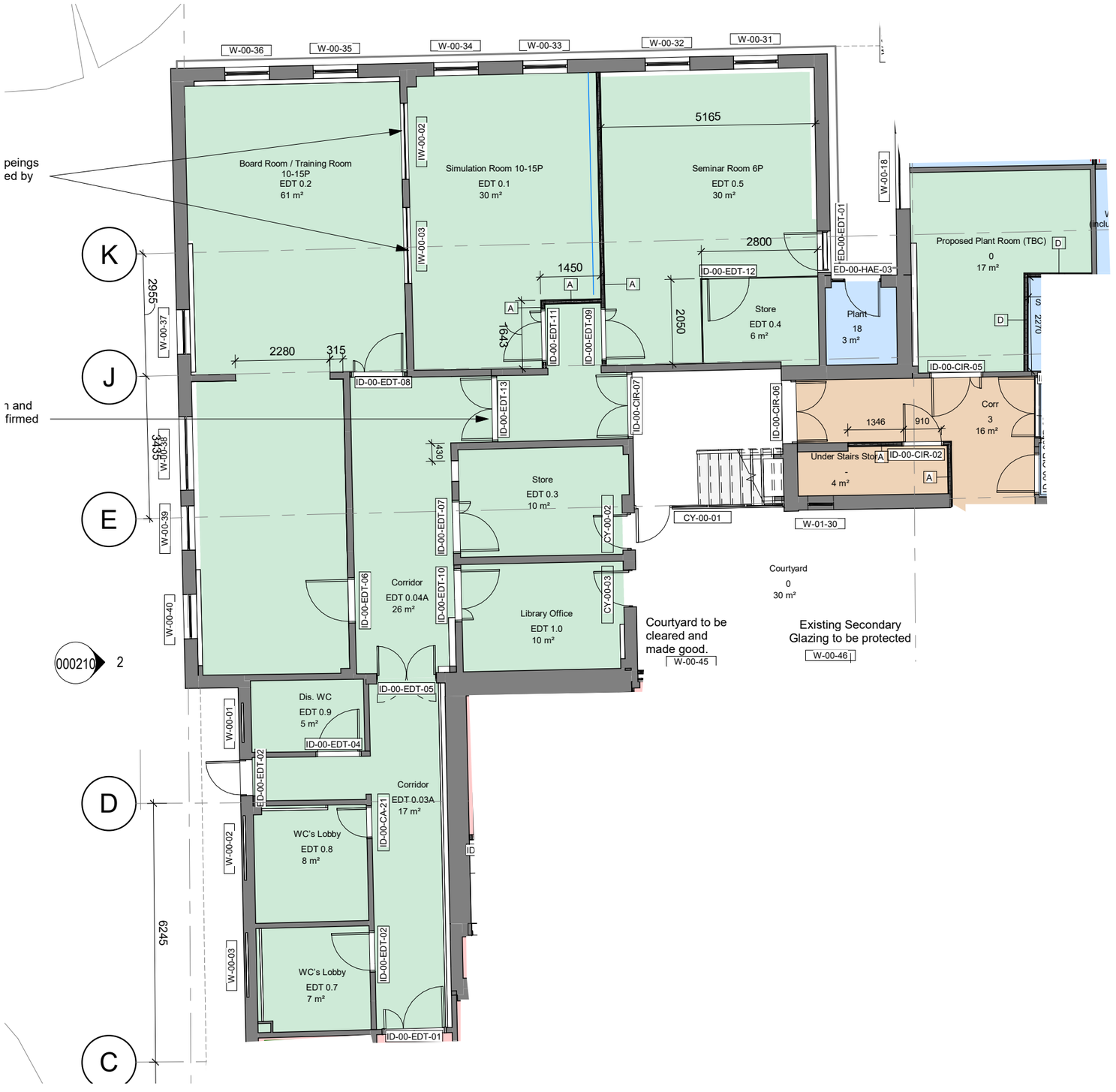
INTERNAL AREAS



2.5m

6.1 Proposal - Education and Training Plan

GROUND FLOOR



6.2 Proposal - Education and Training SoA

Department	Level	Room Number	Room Name	Room Areas (m²)
Education and Training	L00 FFL	0	Proposed Plant Room (TBC)	17 m²
Education and Training	L00 FFL	EDT 0.1	Simulation Room 10-15P	30 m²
Education and Training	L00 FFL	EDT 0.2	Board Room / Training Room 10-15P	61 m²
Education and Training	L00 FFL	EDT 0.3	Store	10 m²
Education and Training	L00 FFL	EDT 0.03A	Corridor	17 m²
Education and Training	L00 FFL	EDT 0.4	Store	6 m²
Education and Training	L00 FFL	EDT 0.04A	Corridor	26 m²
Education and Training	L00 FFL	EDT 0.5	Seminar Room 6P	30 m²
Education and Training	L00 FFL	EDT 0.7	WC's Lobby	7 m²
Education and Training	L00 FFL	EDT 0.8	WC's Lobby	8 m²
Education and Training	L00 FFL	EDT 0.9	Dis. WC	5 m²
Education and Training	L00 FFL	EDT 1.0	Library Office	10 m²

Total Rooms	12
Total NIA (m²)	227 m²

7.0 Proposal - Clinical Admin

Proposed Design:
Proposed areas NIA (includes shared, comm and internal plant spaces):

Offices: 931 m2

- The clinical office space is designed to provide 136 hot clinical desks.

  The clinical desks department is allocated with all of the first floor and second floor.

  Within this department, the work is minimal; the scope is only to upgrade the finishes and make good of all damaged and damp areas.

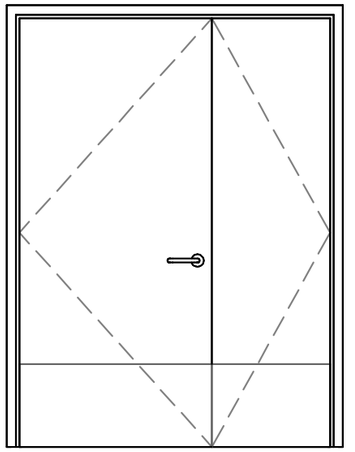

Type A


Type B


Type C


Type D


Type E


Type F


Type G


Type H

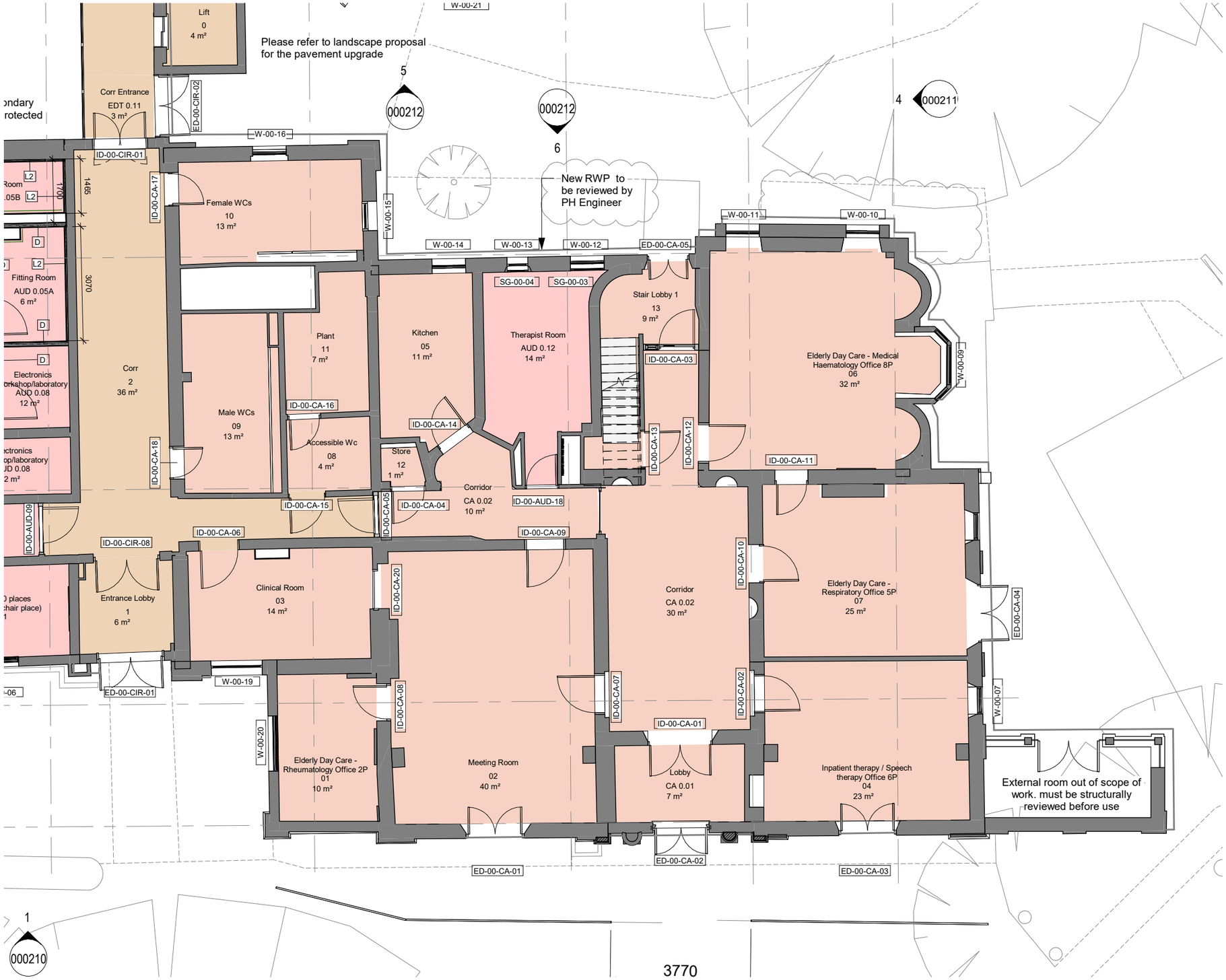

Type I

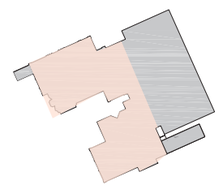

Type J


Type K

7.1 Proposal - Clinical Admin

GROUND FLOOR

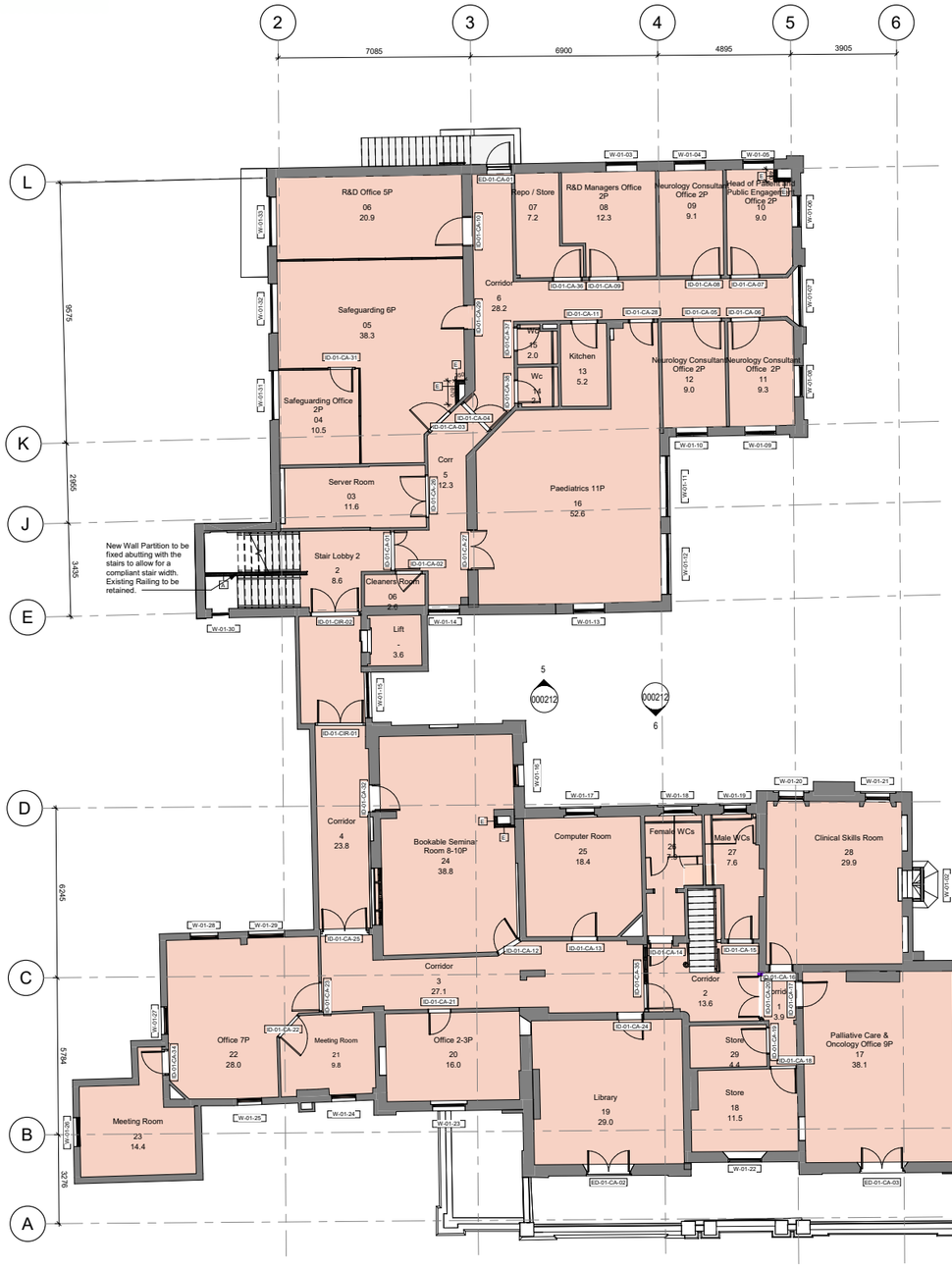




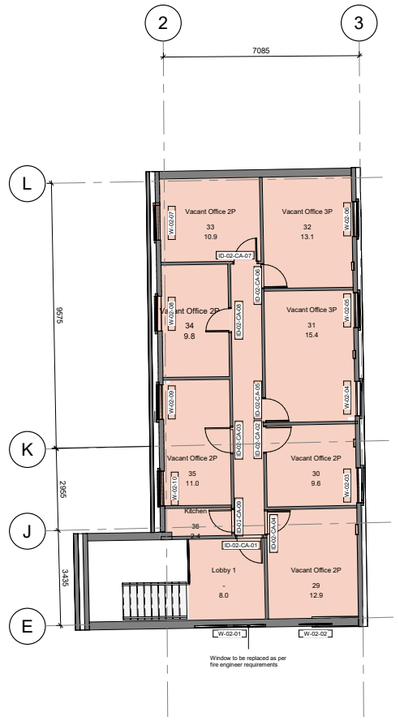
2.5m

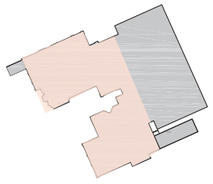
7.1 Proposal - Clinical Admin

FIRST FLOOR



SECOND FLOOR





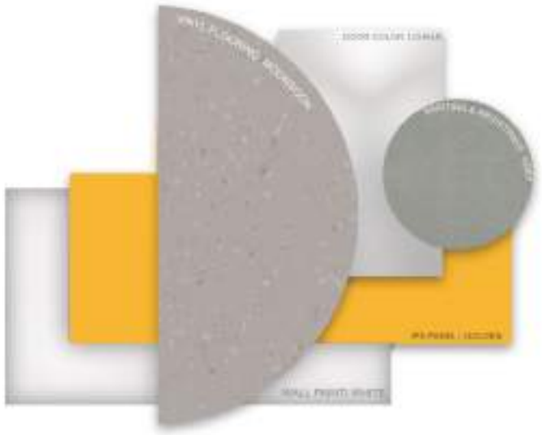
5m

7.2 Proposal - Clinical Admin

Department	Level	Room Number	Room Name	Room Areas (m²)
Clinical Admin	L00 FFL	1	Elderly Day Care - Rheumatology Office 2P	10 m²
Clinical Admin	L00 FFL	2	Meeting Room	40 m²
Clinical Admin	L00 FFL	3	Clinical Room	14 m²
Clinical Admin	L00 FFL	4	Inpatient therapy / Speech therapy Office 6P	23 m²
Clinical Admin	L00 FFL	5	Kitchen	11 m²
Clinical Admin	L00 FFL	6	Elderly Day Care - Medical Haematology Office 8P	32 m²
Clinical Admin	L00 FFL	7	Elderly Day Care - Respiratory Office 5P	25 m²
Clinical Admin	L00 FFL	8	Accessible Wc	4 m²
Clinical Admin	L00 FFL	9	Male WCs	13 m²
Clinical Admin	L00 FFL	10	Female WCs	13 m²
Clinical Admin	L00 FFL	11	Plant	7 m²
Clinical Admin	L00 FFL	12	Store	1 m²
Clinical Admin	L00 FFL	13	Stair Lobby 1	9 m²
Clinical Admin	L00 FFL	CA 0.01	Lobby	7 m²
Clinical Admin	L00 FFL	CA 0.02	Corridor	40 m²
Clinical Admin	L01 FFL	-	Lift	4 m²
Clinical Admin	L01 FFL	1	Corridor	4 m²
Clinical Admin	L01 FFL	2	Corridor	14 m²
Clinical Admin	L01 FFL	2	Stair Lobby 2	9 m²
Clinical Admin	L01 FFL	3	Corridor	27 m²
Clinical Admin	L01 FFL	3	Server Room	12 m²
Clinical Admin	L01 FFL	4	Corridor	24 m²
Clinical Admin	L01 FFL	4	Safeguarding Office 2P	10 m²
Clinical Admin	L01 FFL	5	Corr	12 m²
Clinical Admin	L01 FFL	5	Safeguarding 6P	38 m²
Clinical Admin	L01 FFL	6	Corridor	28 m²
Clinical Admin	L01 FFL	6	Cleaners Room	3 m²
Clinical Admin	L01 FFL	6	R&D Office 5P	21 m²
Clinical Admin	L01 FFL	7	Repo / Store	7 m²
Clinical Admin	L01 FFL	8	R&D Managers Office 2P	12 m²
Clinical Admin	L01 FFL	9	Neurology Consultant Office 2P	9 m²
Clinical Admin	L01 FFL	10	Head of Patient and Public Engagement Office 2P	9 m²
Clinical Admin	L01 FFL	11	Neurology Consultant Office 2P	9 m²
Clinical Admin	L01 FFL	12	Neurology Consultant Office 2P	9 m²
Clinical Admin	L01 FFL	13	Kitchen	5 m²
Clinical Admin	L01 FFL	14	Wc	2 m²
Clinical Admin	L01 FFL	15	Wc	2 m²
Clinical Admin	L01 FFL	16	Paediatrics 11P	53 m²
Clinical Admin	L01 FFL	17	Palliative Care & Oncology Office 9P	38 m²
Clinical Admin	L01 FFL	18	Store	11 m²
Clinical Admin	L01 FFL	19	Library	29 m²
Clinical Admin	L01 FFL	20	Office 2-3P	16 m²
Clinical Admin	L01 FFL	21	Meeting Room	10 m²
Clinical Admin	L01 FFL	22	Office 7P	28 m²
Clinical Admin	L01 FFL	23	Meeting Room	14 m²
Clinical Admin	L01 FFL	24	Bookable Seminar Room 8-10P	39 m²
Clinical Admin	L01 FFL	25	Computer Room	18 m²
Clinical Admin	L01 FFL	26	Female WCs	8 m²
Clinical Admin	L01 FFL	27	Male WCs	8 m²
Clinical Admin	L01 FFL	28	Clinical Skills Room	30 m²
Clinical Admin	L01 FFL	29	Store	4 m²
Clinical Admin	L02 FFL		Corr 2	11 m²
Clinical Admin	L02 FFL	-	Lobby 1	8 m²
Clinical Admin	L02 FFL	29	Vacant Office 2P	13 m²
Clinical Admin	L02 FFL	30	Vacant Office 2P	10 m²
Clinical Admin	L02 FFL	31	Vacant Office 3P	15 m²
Clinical Admin	L02 FFL	32	Vacant Office 3P	13 m²
Clinical Admin	L02 FFL	33	Vacant Office 2P	11 m²
Clinical Admin	L02 FFL	34	Vacant Office 2P	10 m²
Clinical Admin	L02 FFL	35	Vacant Office 2P	11 m²
Clinical Admin	L02 FFL	36	Kitchen	2 m²

Total Rooms	63
Total NIA (m²)	931 m²

7.3 Proposal - Clinical Admin



DEPARTMENT	AREAS	FINISH	CODE	PATTERN/COLOUR NAME	LRV	SPECS
ALL	WCs STORE DIRTY UTILITY KITCHEN/PANTRY CORRIDOR ADJACENT TO WC	FLOOR FINISH	F4	MONSOON	25	M50
		WALL FINISH	W2	WHITE	TBC	M50
		IPS FINISH	N/A	GOLDEN	35	K30
		DOOR	N/A	CHALK/ WHITE	78	L20
		FRAME/SKIRTING	N/A	FLINT/ GREY	21	L20
		CEILING		WHITE	94.5	K40

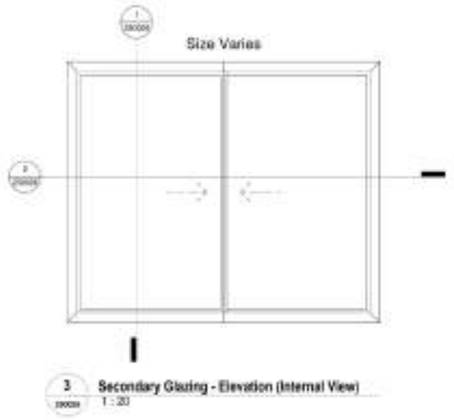
DEPARTMENT	AREAS	FINISH	CODE	PATTERN/COLOUR NAME	LRV	SPECS
AUDIOLOGY AND CLINICAL ADMIN	ALL ROOMS NOT MENTIONED ABOVE	FLOOR FINISH	F2/F3	HONEY BEIGE	29	M50
		WALL FINISH	W2	WHITE	TBC	M50
		IPS FINISH	N/A	DUCK EGG	35	K30
		DOOR	N/A	CHALK/ WHITE	78	L20
		FRAME/SKIRTING	N/A	FLINT/ GREY	21	L20
		CEILING	N/A	WHITE	94.5	K40

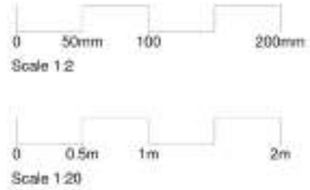
7.4 Proposal - Clinical Admin Secondary Glazing

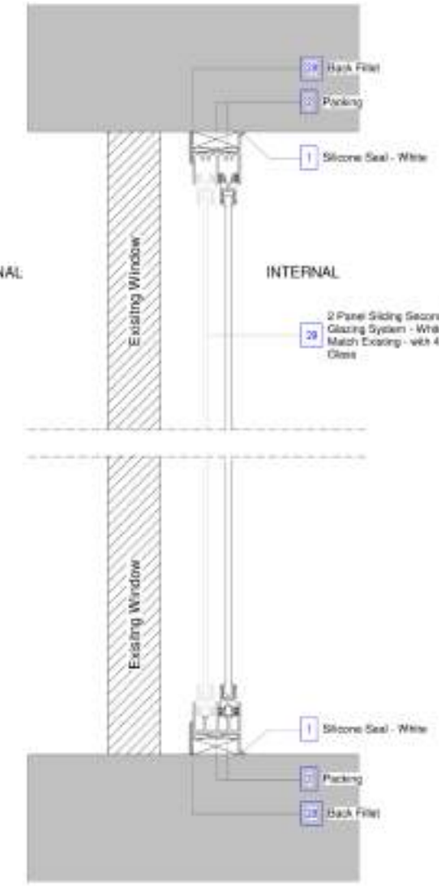
Proposed Design:

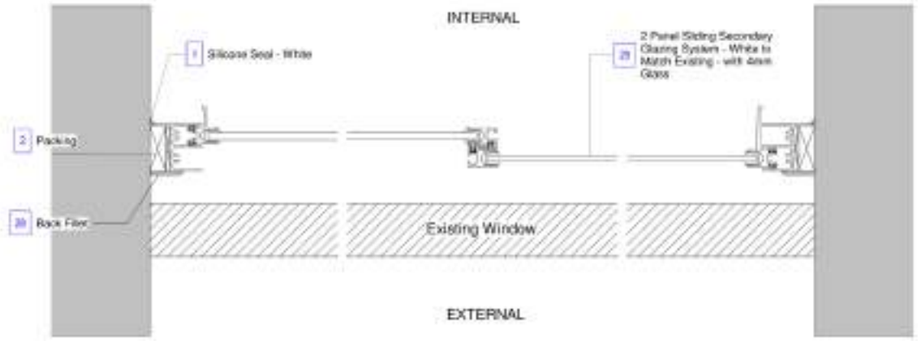
The Clinical Admin Department requires a certain acoustic rating due to the nature of use. Therefore its been proposed to introduce secondary glazing to all the rooms to minimise the sound from the parking and cycling hub.

Selecta Glaze have been specified to work on this project, due to their experience with working on a listed building, their range of timber secondary glazing casement windows fits within the Furze.









2 Secondary Glazing - Plan
1 : 2

1 Secondary Glazing - Head and Base Detail
1 : 2

8.0 Reflected Ceiling Plan - Ground Floor

Proposed Design:

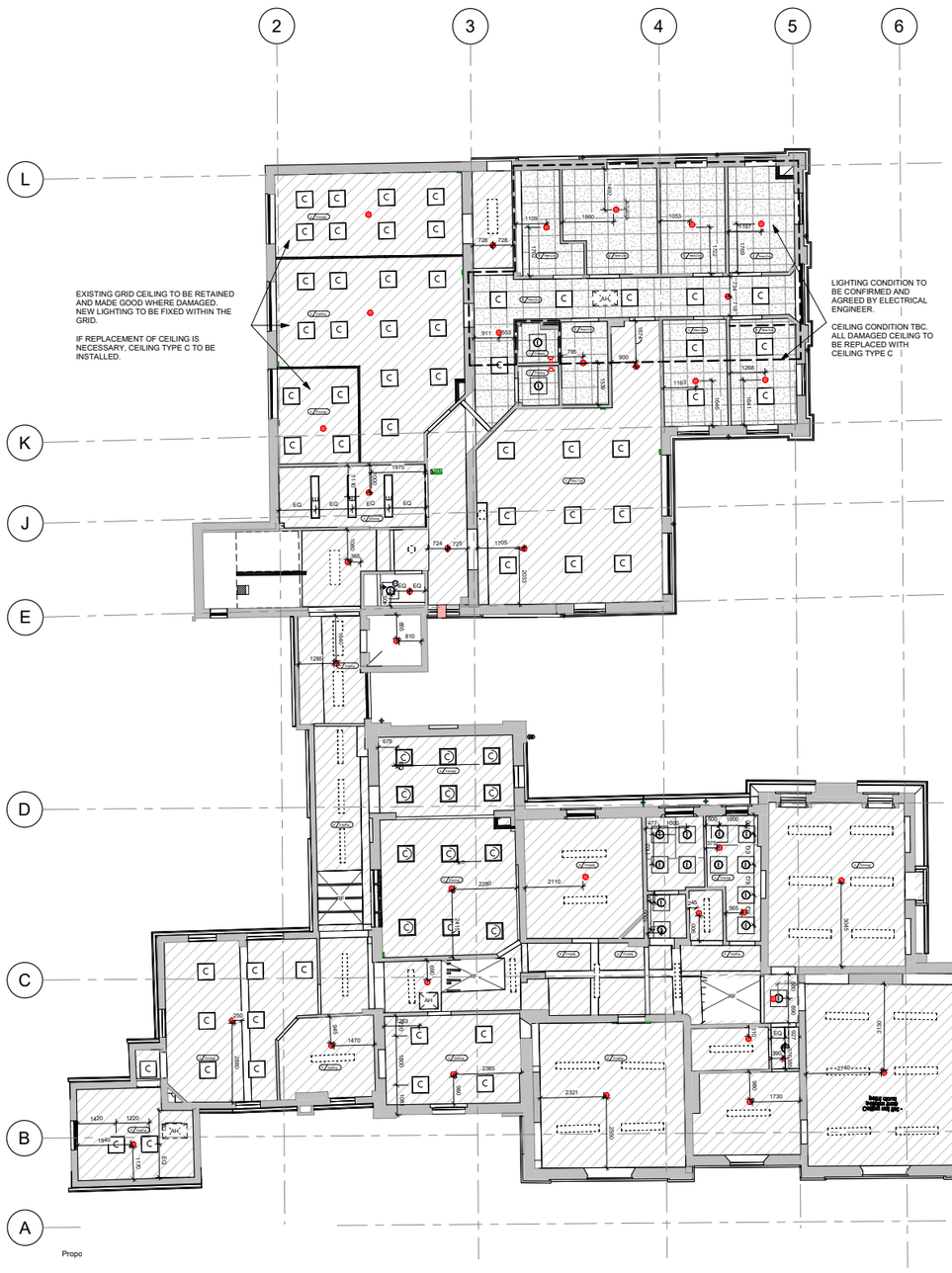
No new proposed ceilings are introduced into the original building, all existing suspedned ceiling are to be removed.

Due to electrical wires and minimal interventions required, Boxing out for the routes might be required, however, none of the boxing out is to impact the existing listed features of the existing ceiling.

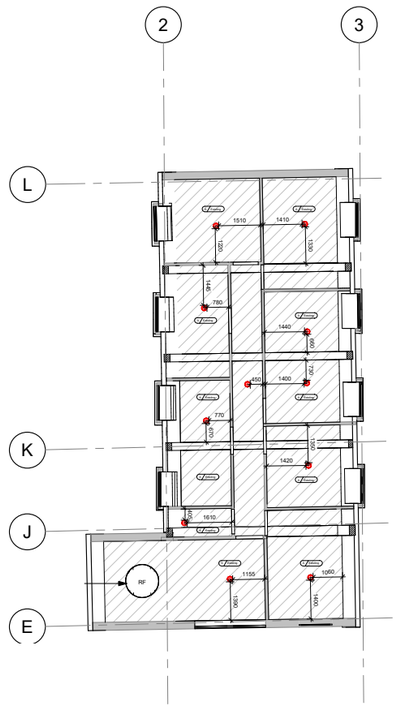
Furthermore, new proposed suspended ceilings to be introduced within the building, all new ceilings are highlighted with the Reflected ceiling plans with the types of ceilings to accommodate the use of the space

8.0 Reflected Ceiling Plan - First and Second Floor

FIRST FLOOR



SECOND FLOOR

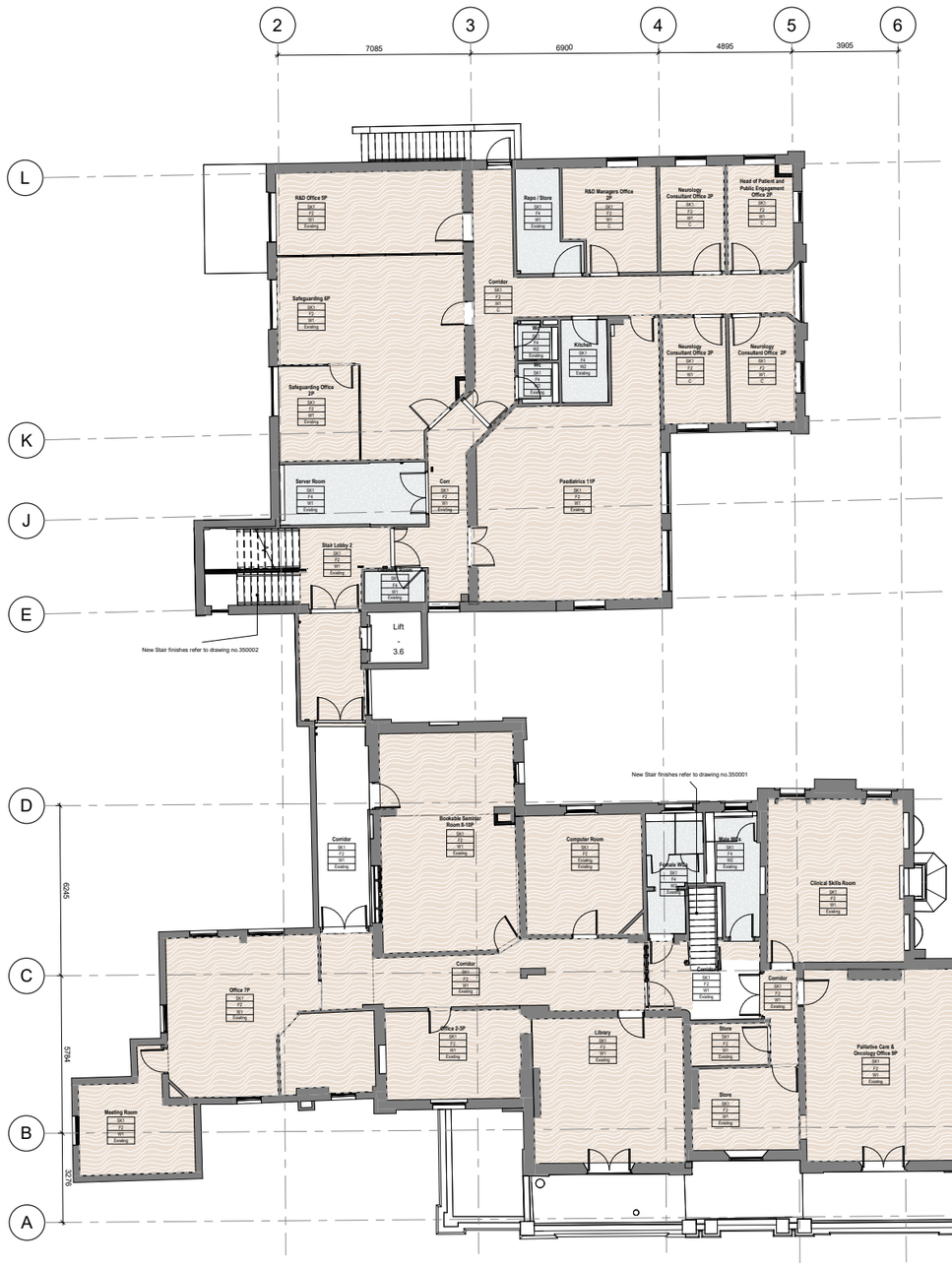


5m

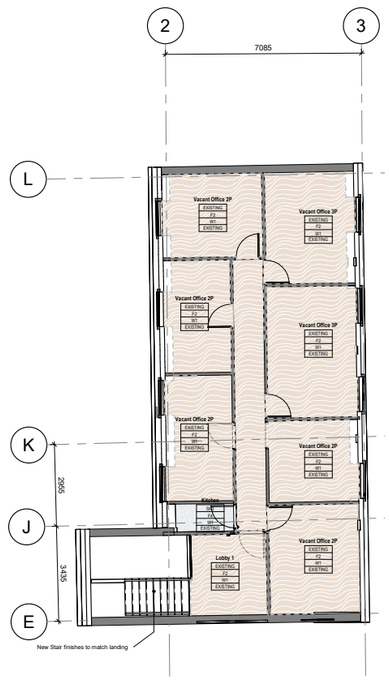
8.2 Floor Finish Plan - Ground Floor

8.3 Floor Finish Plan - First and Second Floor

FIRST FLOOR



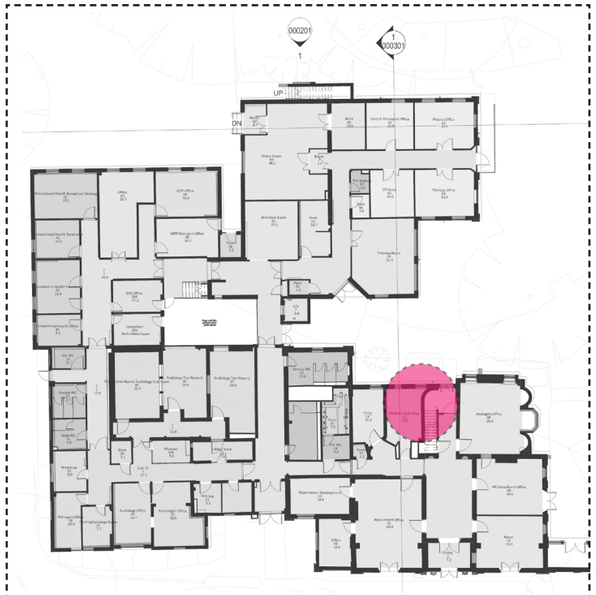
SECOND FLOOR



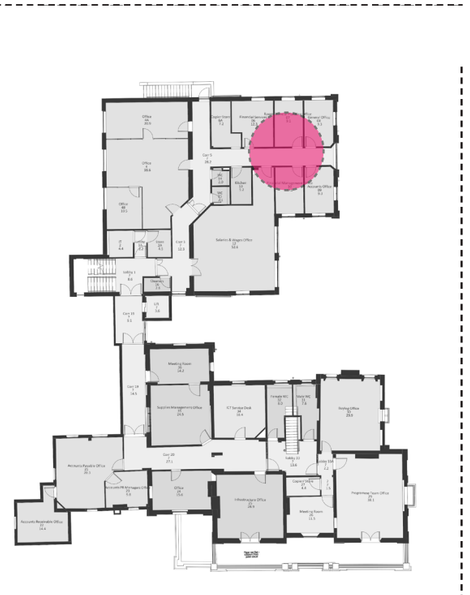
5m

9.0 Internal Design Amendments

Ground Floor



Ground Floor



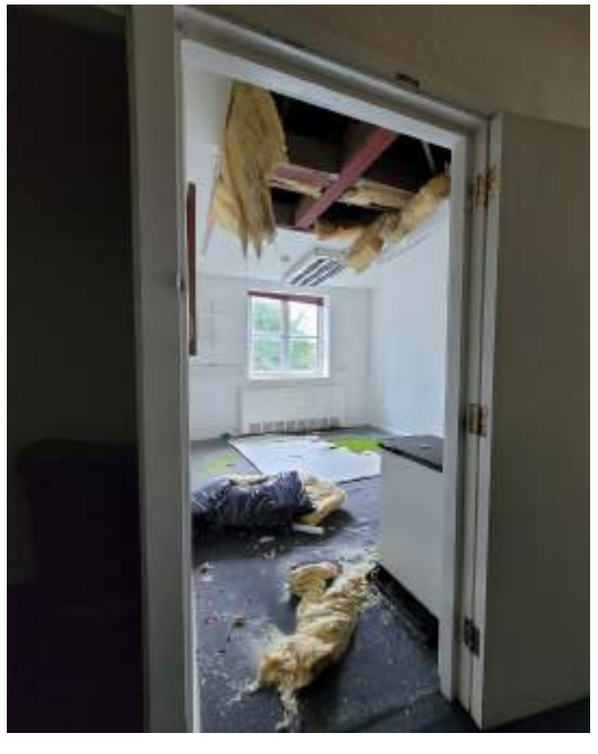
First Floor

The Education and Training Department has undergone a reorganization, with the users agreeing to relocate the library, computer room, and a few flexible office desks to the Furze. This decision was made instead of moving the simulation suite to the Furze.

This reorganization has led to the following changes:

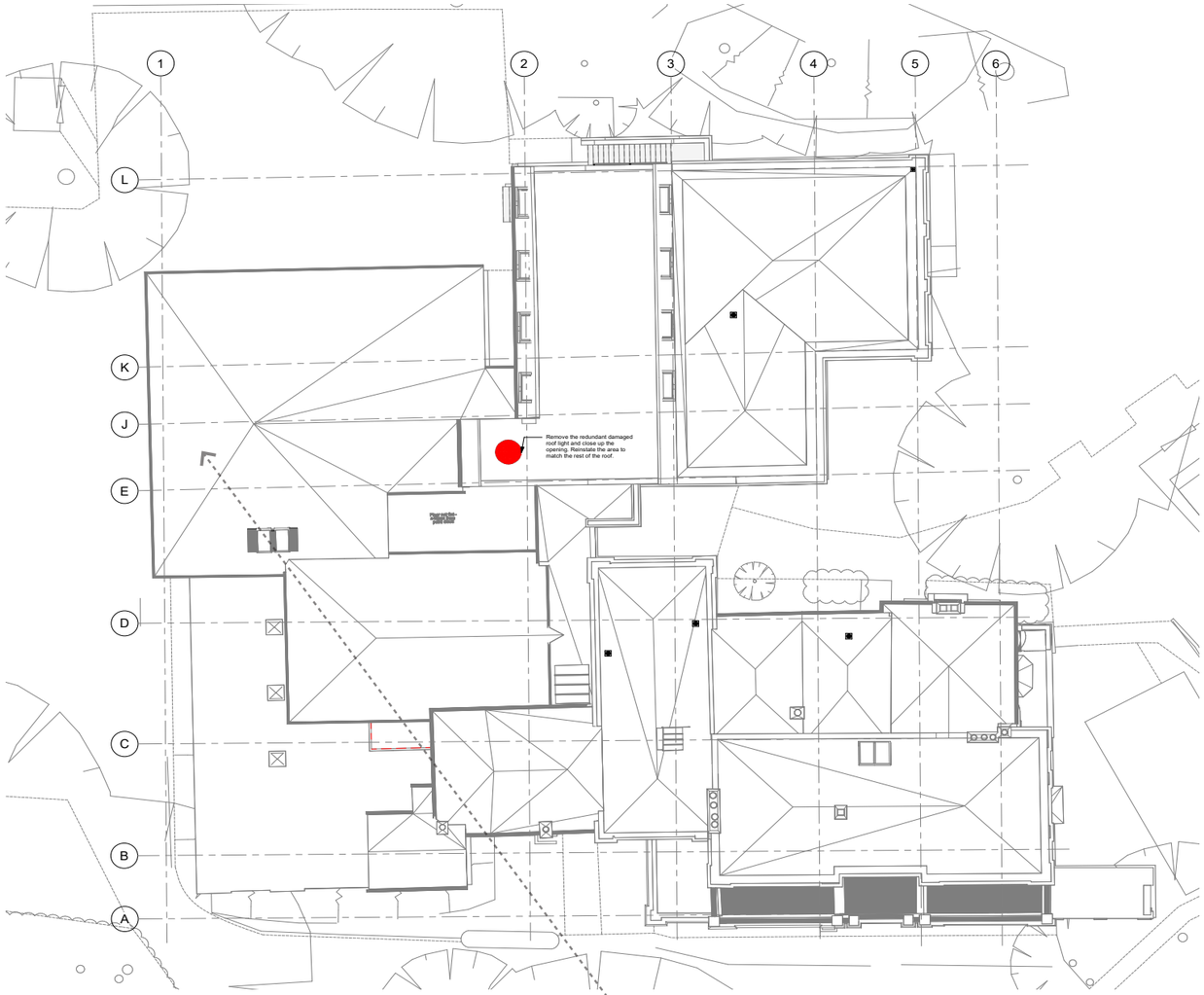
The creation of a large opening within one of the walls to provide access to the library and study area.
The addition of glazing in the partition between the library and the computer room.
The installation of a new partition within the corridor to create a fire stair lobby.
The inclusion of an additional glazed partition within the office space to allow for meeting space.
Furthermore, the internal waste hold has been introduced, replacing the existing Male WC unit. This introduction has resulted in the following changes:

Additional partitions have been added within the WC to create a lobby.
A new ramp has been installed.
A new door opening has been created.
The suspended ceiling will be removed.
Ventilation will be added.
Additionally, due to the extended period of vacancy and minimal maintenance of the building, the ground and first floors have experienced several leaks, resulting in damage to the floors, ceilings, and walls, as shown in the attached images. These areas will be repaired, and new finishes are proposed.



9.1 Removal of redundant roof light

Removal of roof light
Remove the redundant damaged roof light and close up the opening. Reinstate the area to match the rest of the roof.



Proposed Elevation 05

10m

10.0 Landscape

10.1 Ecological Context

Ecological Context: Bats Roosting

In July, an evaluation of the overall Hillingdon Hospital site was conducted to assess its suitability for supporting roosting bats. The Furze structure stands out as highly suitable habitat due to its proximity to watercourses, vegetation, and secure inaccessible roofing. The pitched slate and clay tile roofing present numerous gaps ideal for bats.

Ecological surveys conducted recorded significant bat activity in the tree canopies post-sunset, with the calls suggesting the presence of mothers and juveniles (maternity roosts) in July. These roosts were observed high in the trees, approximately 8 meters and above.

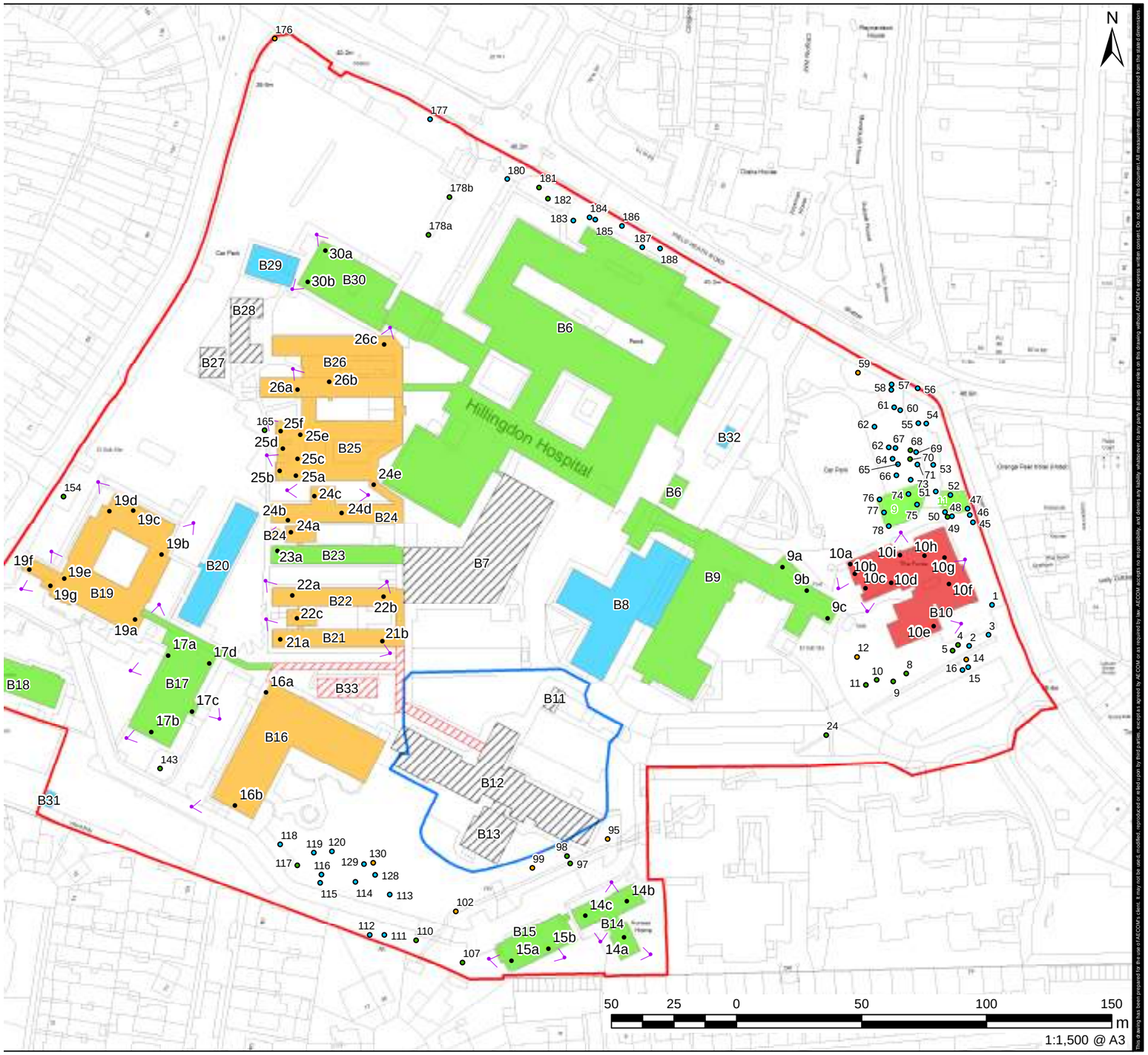
The design team has developed an appropriate design to ensure no disruptions to the bats . via lights and miminal work round the location.

The recommendations provided aim to minimize upward light spill and unnecessary illumination, suggesting the use of short columns and warm lighting.

For Example 1 (EX1) with Thorlux Mercian lights at a height of 2.5 meters, it is advised to use warm white (3000K) or amber (1700K) lighting, with a shield installed above the light to prevent upward light spill. and dimming and turning off the lights during the early morning hours is recommended, especially if the area experiences low traffic (e.g., not the A&E entrance).

The same recommendations apply to Example 1 (EX1) with Thorlux Mercian lights at a height of 1.5 meters.

For Example 2 (EX2) with Whitecroft Kolo bollards at a height of 1 meter, it is suggested to use a shorter height (0.8 meters) and warm white (3000K) or amber (1700K) lighting. Time clock settings should be adjusted to gradually dim the lights after sunset, eventually turning them off during the early morning hours.



AECOM

PROJECT
Hillingdon Hospital

CLIENT
The Hillingdon Hospitals NHS Foundation Trust

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LEGEND
- Red Line Boundary
- Existing Construction Boundary
- Potential Roost Features on Buildings
- Proposed Surveyor Locations

Suitability for Bat Roost
- Moderate
- Low
- Negligible

Bat Roost Potential
- High
- Moderate
- Low
- Negligible
- Demolished
- Inaccessible

NOTES

ISSUE PURPOSE
FOR INFORMATION

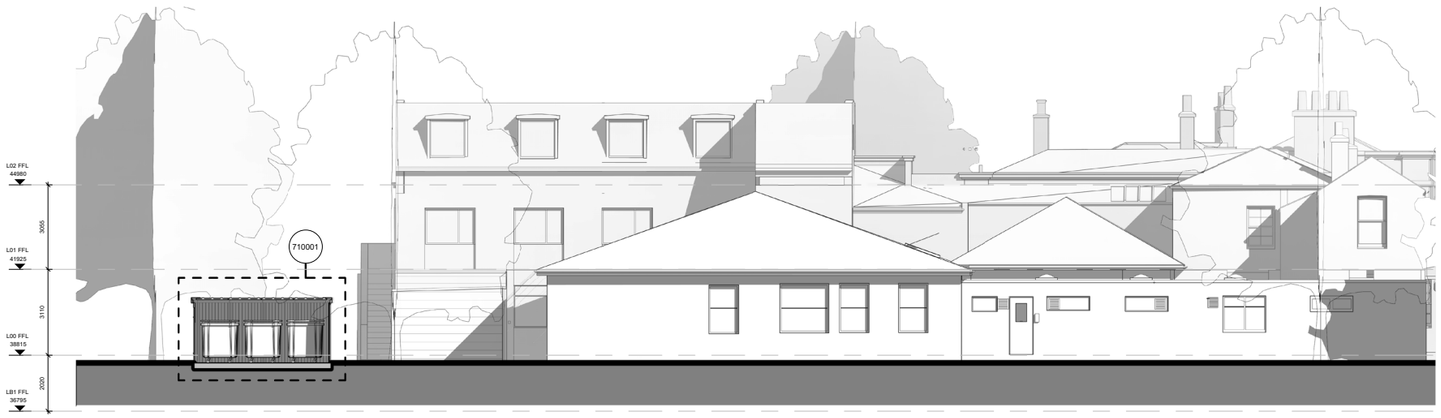
PROJECT NUMBER
60642181

SHEET TITLE
Bat Roost Suitability Assessment

SHEET NUMBER
Figure 02

10.2 External Waste Hold

Proposed Elevation 03 - Waste Elevation



Proposed Elevation 02 - Waste Elevation

External Waste Hold

The new external bin store has been proposed to safeguard the internal layout of the listed building. To minimize disruption, the existing location had the current bin store has been repurposed; enlarging its dimensions to adhere to HTMs and client requirements. This involved establishing a clear access route between the collection point and waste disposal area, thereby preserving the site's overall arrangement. In addition to this, the lighting along the path leading to the bin store has been carefully designed to illuminate in dark hours while being sensitive to the local bat population.

The pathway will be built using permeable material paving, which will minimize any disturbance to the tree roots in the vicinity. This deliberate choice reflects our commitment to both contemporary functionality and the preservation of Furze's historical and environmental significance.

5m

10.3 Path - Materials

Planting Zones

There are roof protection zones across much of the area. These extend beneath the existing hard surfaces, and the introduction of permeable paving will improve this situation. The new bin route passes over the RPZ for the Cedar of Lebanon and will be created using a non-dig construction and a fully permeable paving solution.

Surface Materials

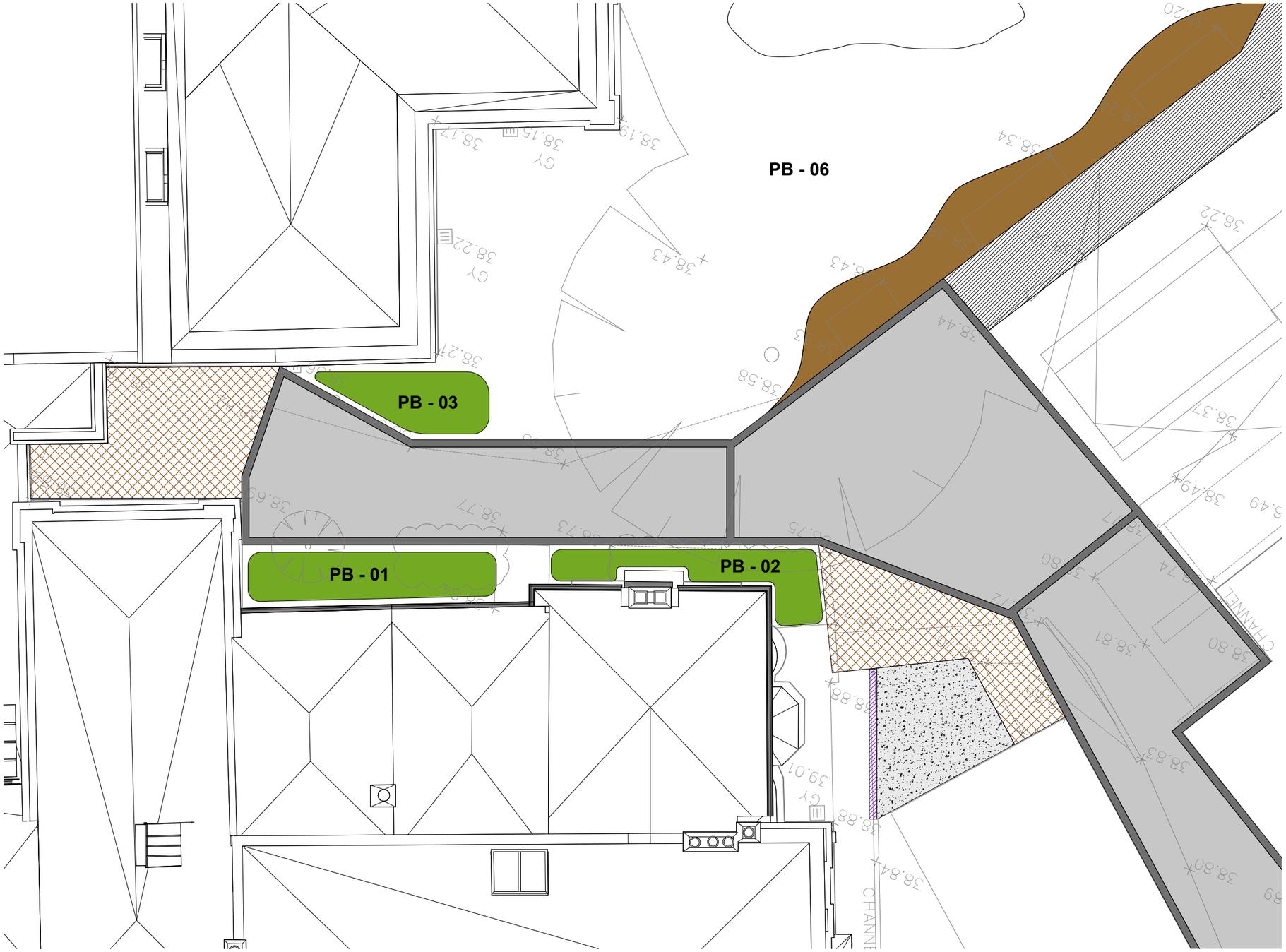
A simple palette of appropriate materials has been selected. The main bed route will be paved with herringbone laid over existing layers in two sizes and colors. Ancillary areas where more simple slopes/graveling is required will use a permeable bound gravel finish The new pathway over the RPZ will be in Trailflex (A-4) with a timber edging.

Site Levels

There are numerous adjacent levels and thresholds that new paving must align with. In order to achieve this, the existing site levels will be maintained throughout. Materials selected for simple areas, such as in front of the cycle store, have a greater inherent flexibility for surface leveling to ensure that all level criteria can be met.

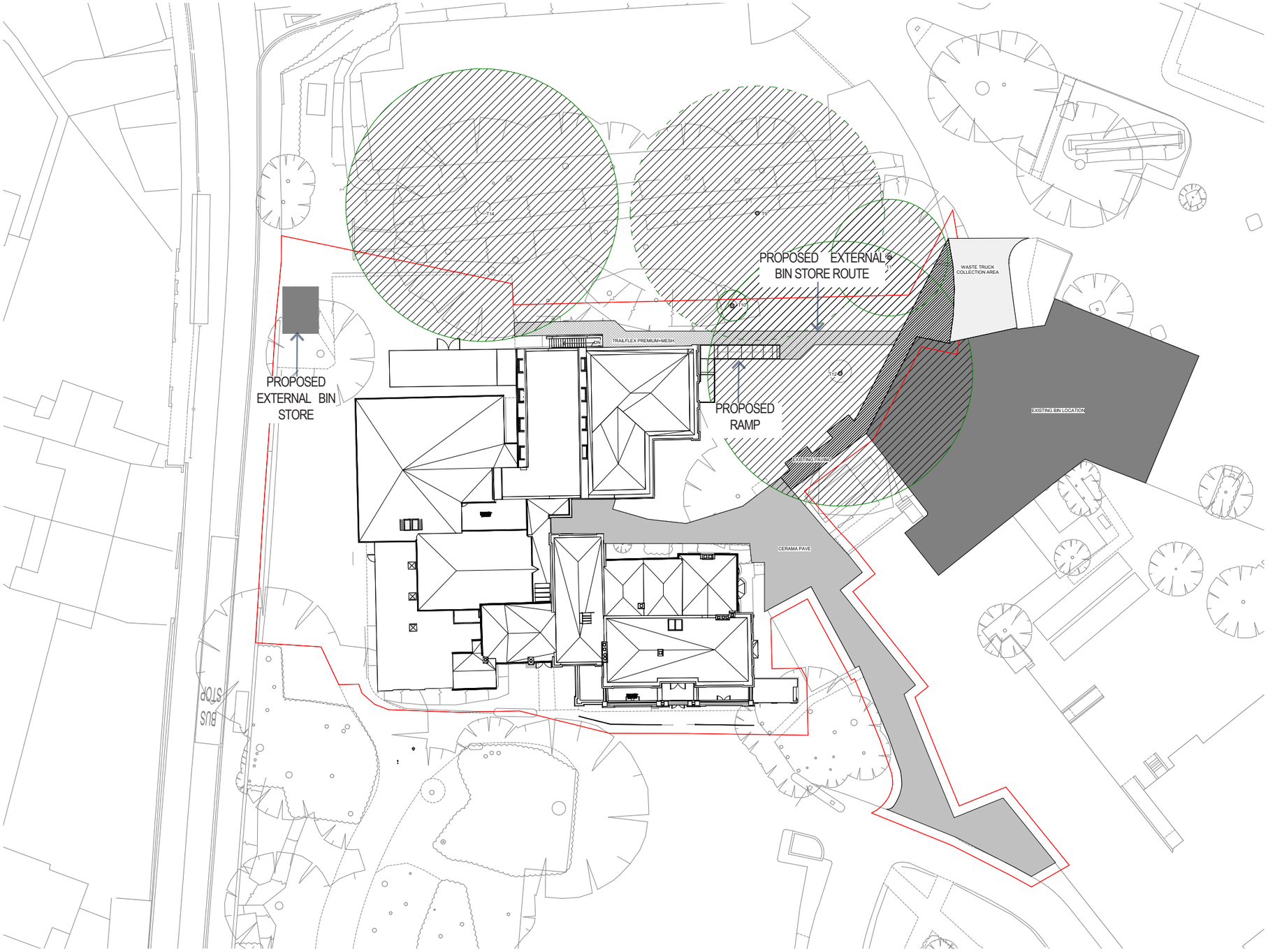
Demolition

There are many incongruous features in the existing landscape that will be permanently removed. These include kerbs, fixed bollards, and removable bollards. Additionally, there are existing signs which will be temporarily removed, and set aside for probable re-installation.



10m

10.4 External Landscape



Planting Areas

There are very limited areas for planting within the site's area. As part of the removal of the turning head, a new planting opportunity has arisen with all our limited new native shrubs and ground cover to be planted (PB-04). Existing planting areas at the entrances to the force will need to be replanted due to the need to remove plants for all-way access for building repair works. A total of 3 small areas for planting have been identified near the entrances (PB01 to PB03). Additionally, it is proposed to plant a small area of the lawn with flowering bulbs (PB-05) and to overseed most of the lawn with native wildflowers (PB-06). This will, in time, provide some visual delight for users, as well as contributing to biodiversity.

GENERAL NOTES:

SITE BOUNDARY

TREE ROOT PROTECTION

TRAILFLEX PREMIUM+MESH

GEO-TEX LE MEMBRANE, OVERLAID
WITH PREMIUM+ MESH WITH 50MM
TRAILFLEXCOLOUR: THUNDER AND STORM
COLOUR: AMBER

CERAMA PAVE

CERAMA PAVE
55MM X 197MM X 97MM PAVERS
COLOUR: THUNDER AND STORM

10m

10.5 Access (Ramp)

The Ramp Design

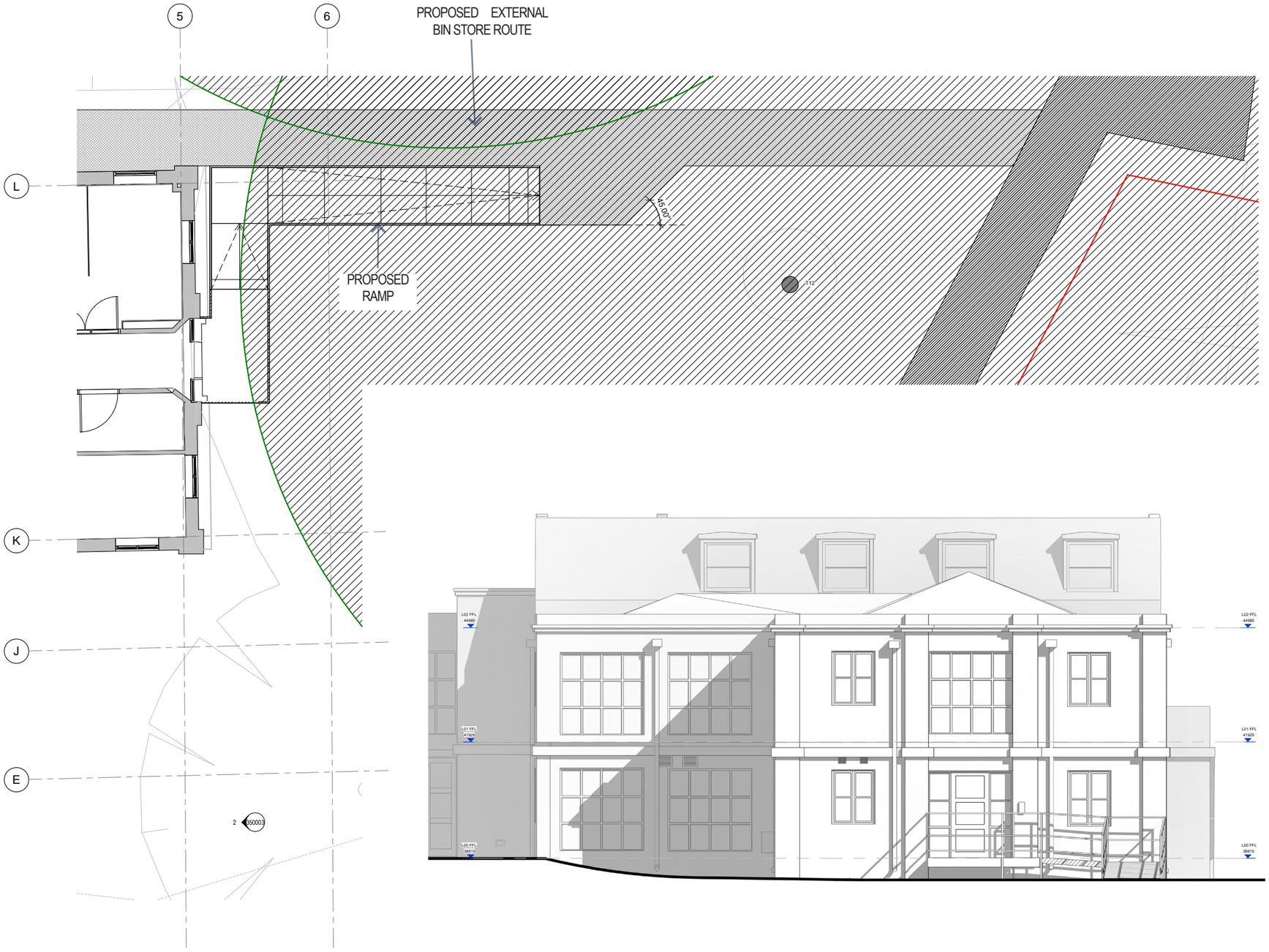
The Furze Building offers step-free access. However, the secondary access within the Haematology department is provided through a solid concrete ramp that leads toward a water ditch and vegetation. This setup poses health and safety concerns and does not comply with Part M and Part B regulations.

The existing ramp's landing is not directly in front of the door. The slope begins in front of the door, which may hinder access for disabled individuals. The current landing at the head of the ramp measures 1354mm, whereas landings are required to have a minimum width of 1200mm. Furthermore, there is no landing at the foot of the ramp, only soft landscaping (grass), which could pose a danger to users in case of an emergency exit.

The design team has proposed introducing a new metal ramp on top of the existing concrete ramp. This solution has fewer implications for the existing structure and relocates the ramp's end away from the slip hazard at the exit.

To ensure compliance, the ramp's length must not exceed 10 meters before including a level resting platform of at least 1.5 meters in length. A single ramp with a 500cm rise would have a maximum gradient of 1:20 and a maximum length of 10 meters. Therefore, a ramp of 550mm would require a landing halfway.

A minimum 100mm high kerb may be necessary along the edge of the ramp, and handrails must be provided on either side of the ramp.



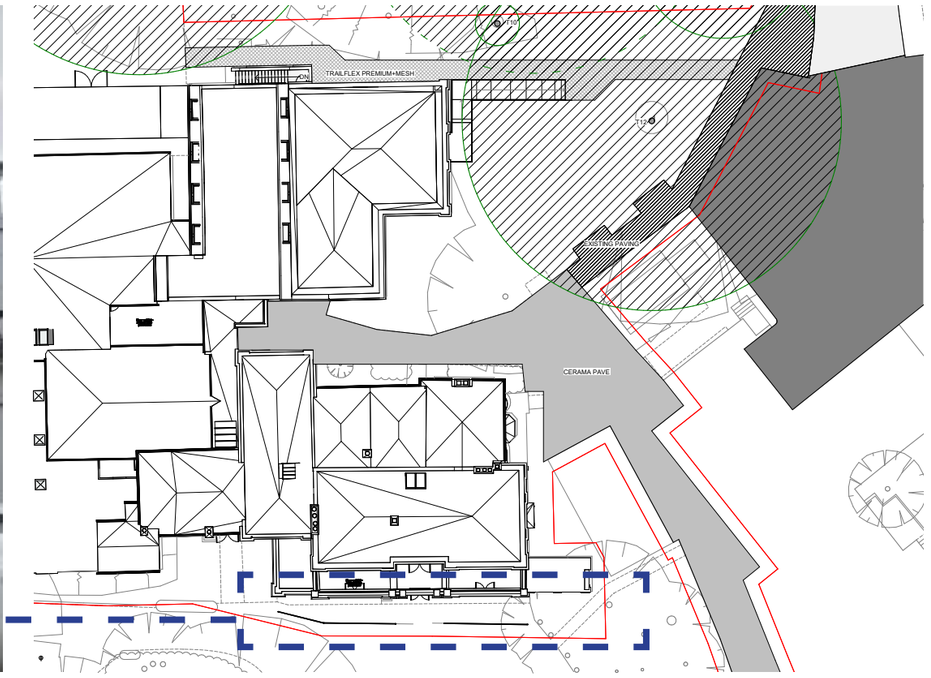
Ramp Plan
1 : 50

Ramp Elevation
1 : 50

3m

10.6 External Guarding

Existing Railing



Proposed Railing

Proposed Elevation

New Guarding:

Due to the poor condition of the guardrail at the front of the Furze building, we would need to replace it with a new one. The design team has explored the design options and came to the conclusion that the best option would be to replace it like-for-like. We propose to match it with the adjacent guardrail within the Furze (yellow guard-rail as shown in the images).

The guardrail is necessary for pedestrian safety and to prevent any parking in front of the Furze, which would enhance the safety of the façade.

10m

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