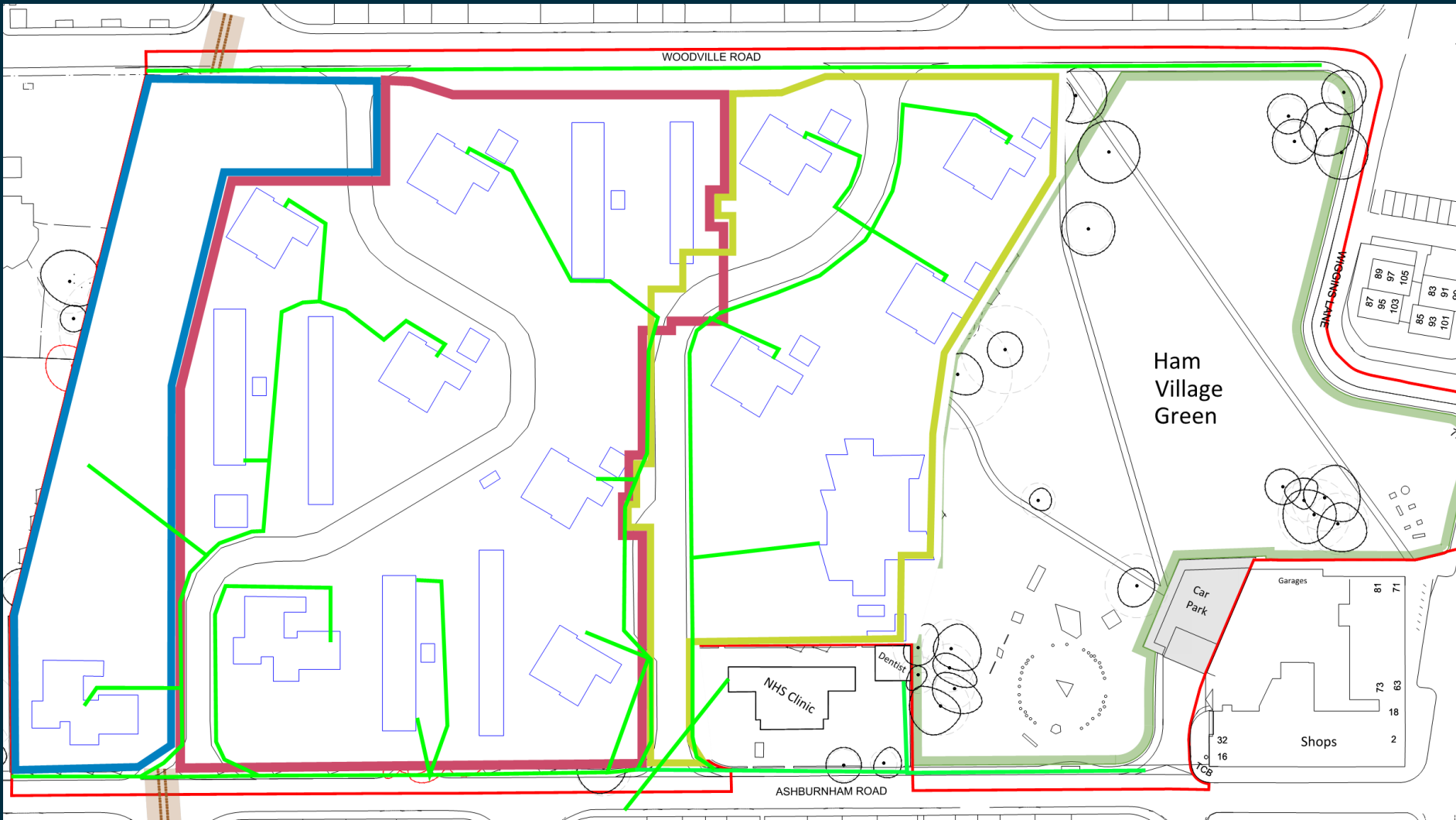


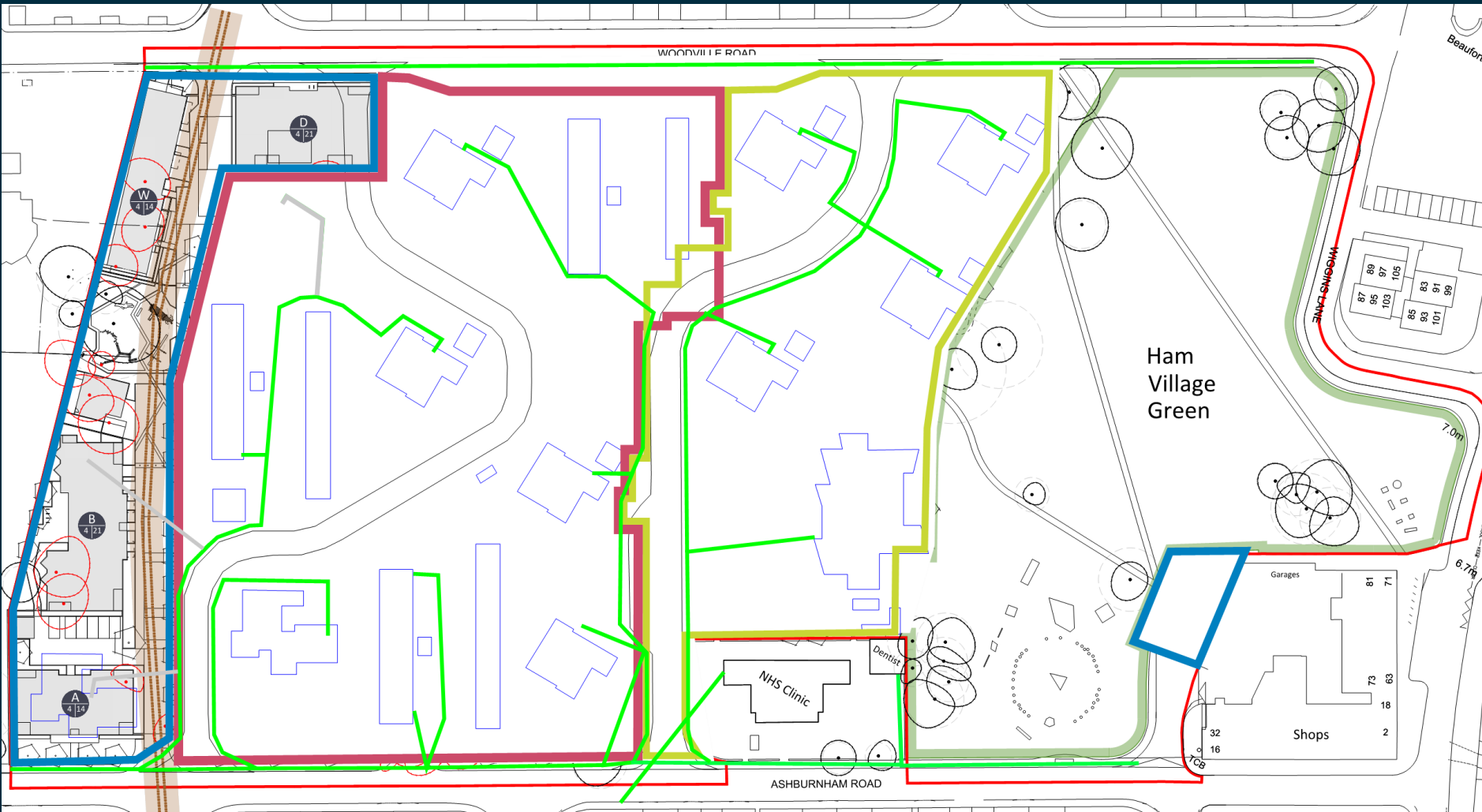
Existing Openreach Cabling



Existing Openreach cabling

Redundant cabling

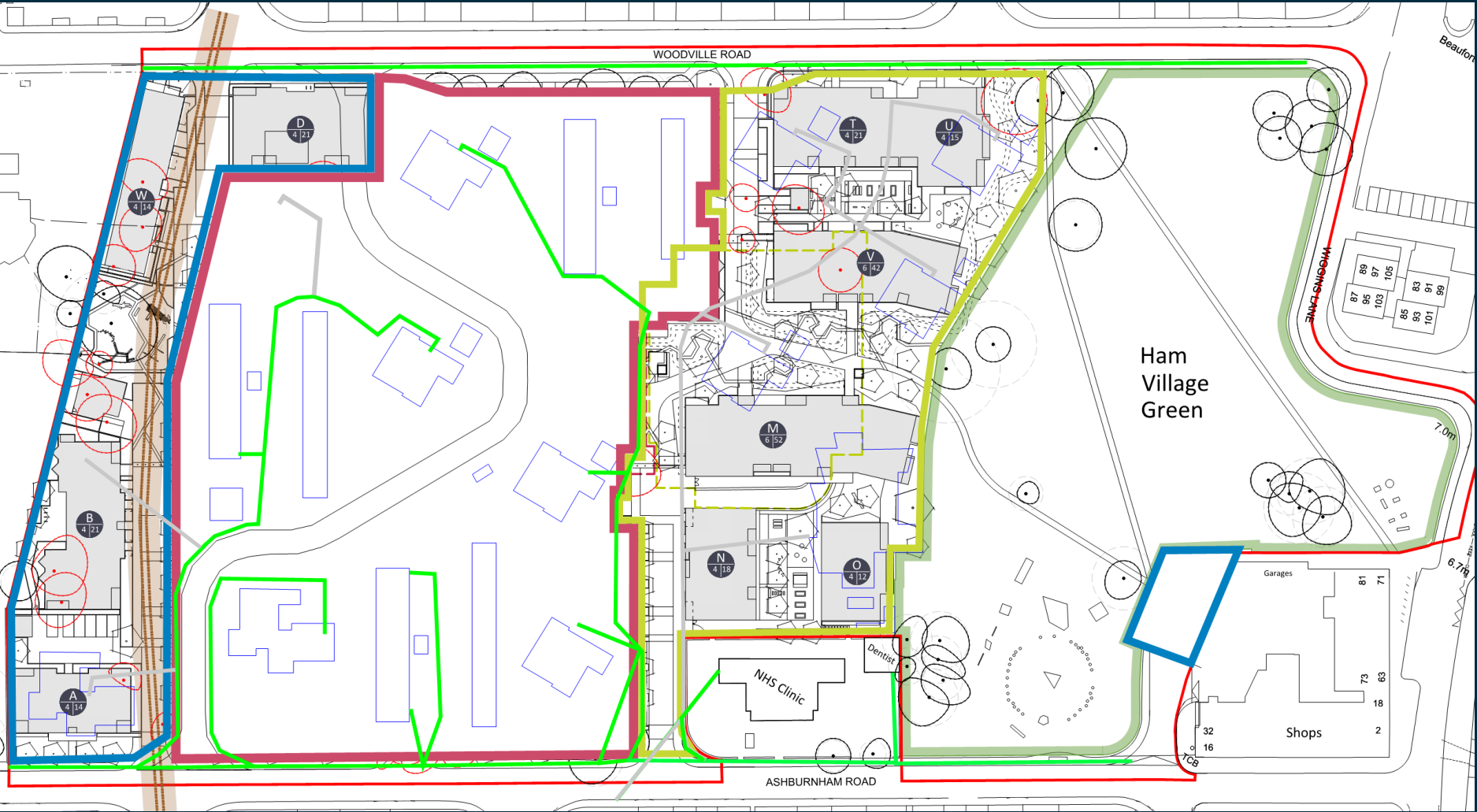
Phase 1 Openreach Disconnections



Existing Openreach cabling

Redundant cabling

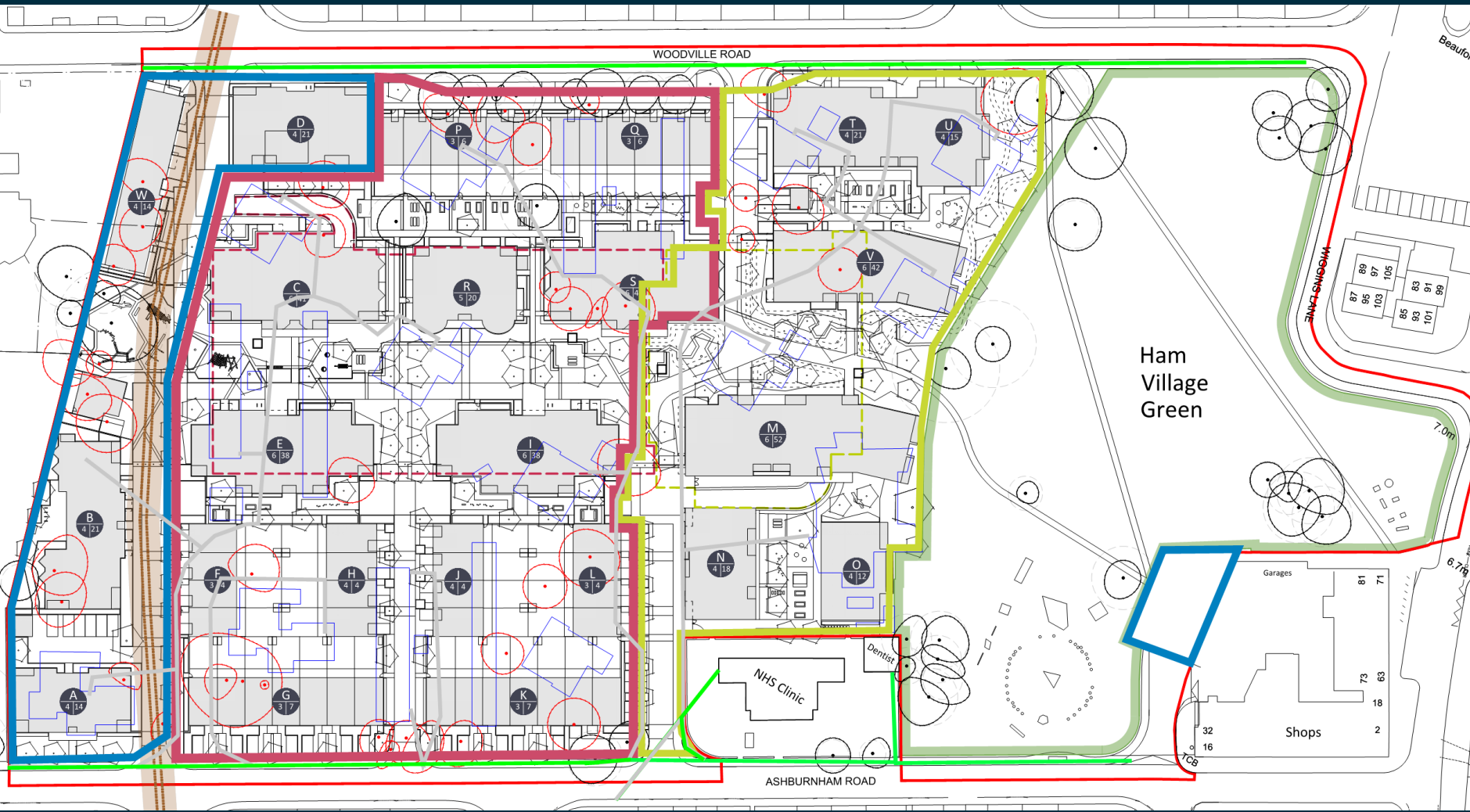
Phase 2 Openreach Disconnections



Existing Openreach cabling

Redundant cabling

Phase 3 Openreach Disconnections



- Existing Openreach cabling
- Redundant cabling

7. VIRGIN MEDIA DIVERSIONS & DISCONNECTIONS

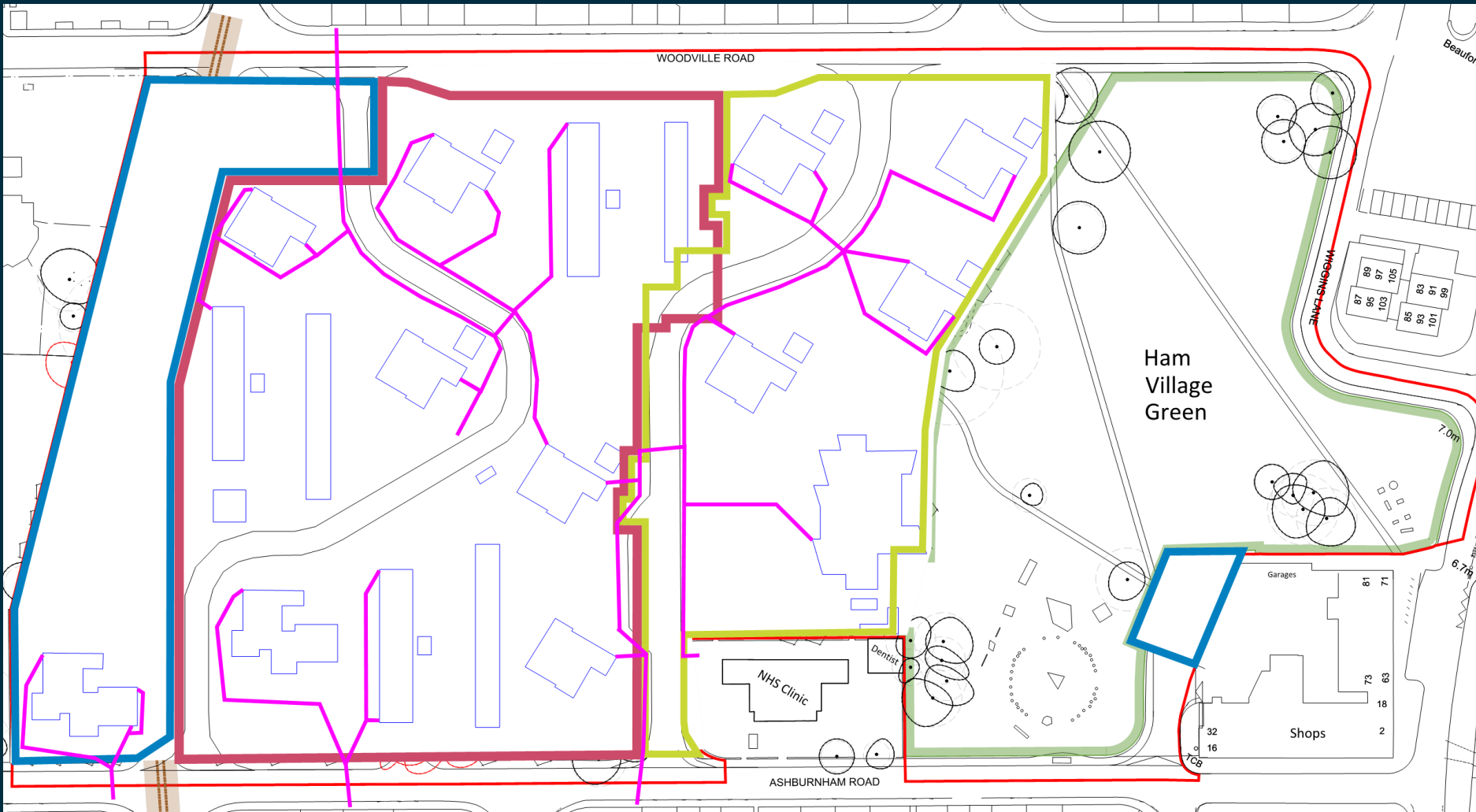
The demolition and development is to be completed in 3 phases and to facilitate this process several phased disconnections and a diversion of existing Virgin Media equipment will be required in line with the below process;

Phase 1: To facilitate the development of Phase 1, the existing Virgin cabling to Hatch House is to be disconnected. Also to allow the construction of Block D, the existing Virgin Media cable within this area will need to be diverted around Block D to ensure the supply is maintained to Newman House, Hornby House, Secrett House, Leyland House and Clarke House.

Phase 2: To facilitate the development of Phase 2, the existing Virgin Media cable in the centre of the site that runs through the northern half of the development from Woodville Road to Ashburnham Road is to be removed and the supplies to Benson House, Bentinck House, Bowes Lyon House, Cavendish House and the Youth Centre are to be disconnected.

Phase 3: To facilitate the development of Phase 3, the southern section of the existing Virgin Media cable on the eastern side of the phase 3 land that runs through the development from Woodville Road to Ashburnham Road will be disconnected. Also the existing cables supplying Clarke House, Secrett House, Newman House, Hornby House, Leyland House, Edwards House, Hawkins House, Greig House and Field House will all be disconnected. The new cable that was installed as a diversion around Block D will be used as part of the supplies on the new development.

Existing Virgin Media Cabling

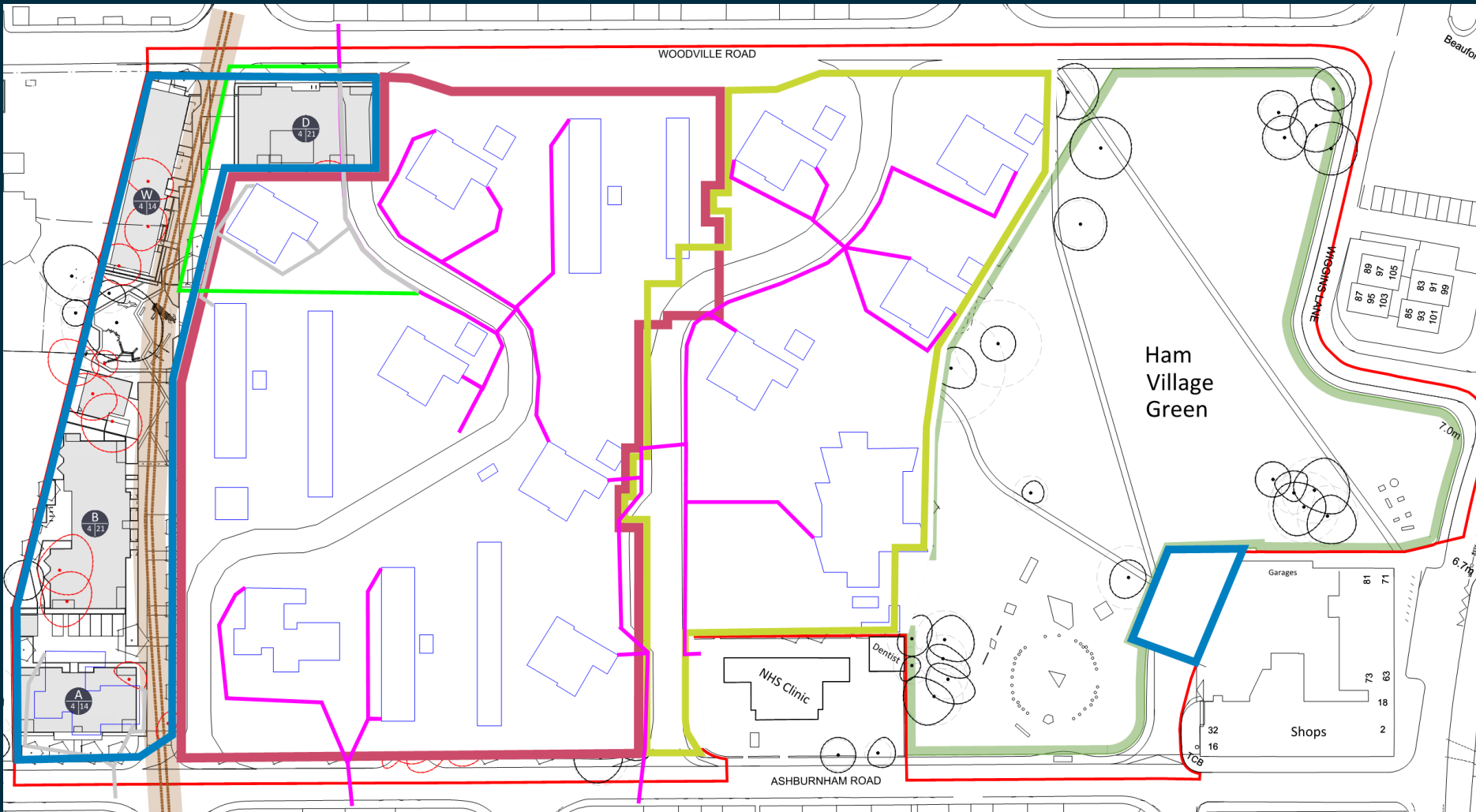


Existing Virgin Media cabling

Redundant cabling

Proposed Virgin Media cabling

Phase 1 Virgin Media Disconnections

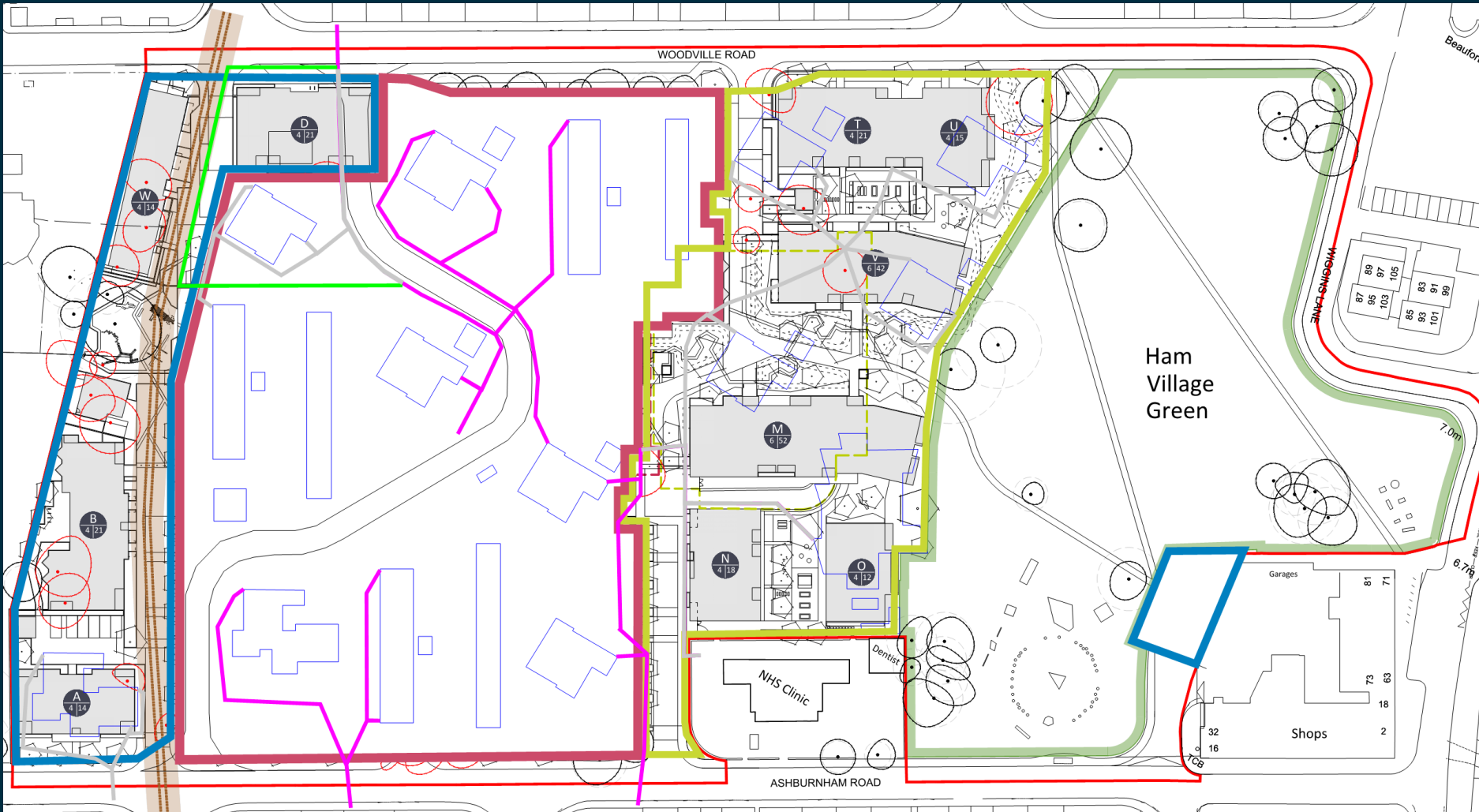


Existing Virgin Media cabling

Redundant cabling

Proposed Virgin Media cabling

Phase 2 Virgin Media Disconnections

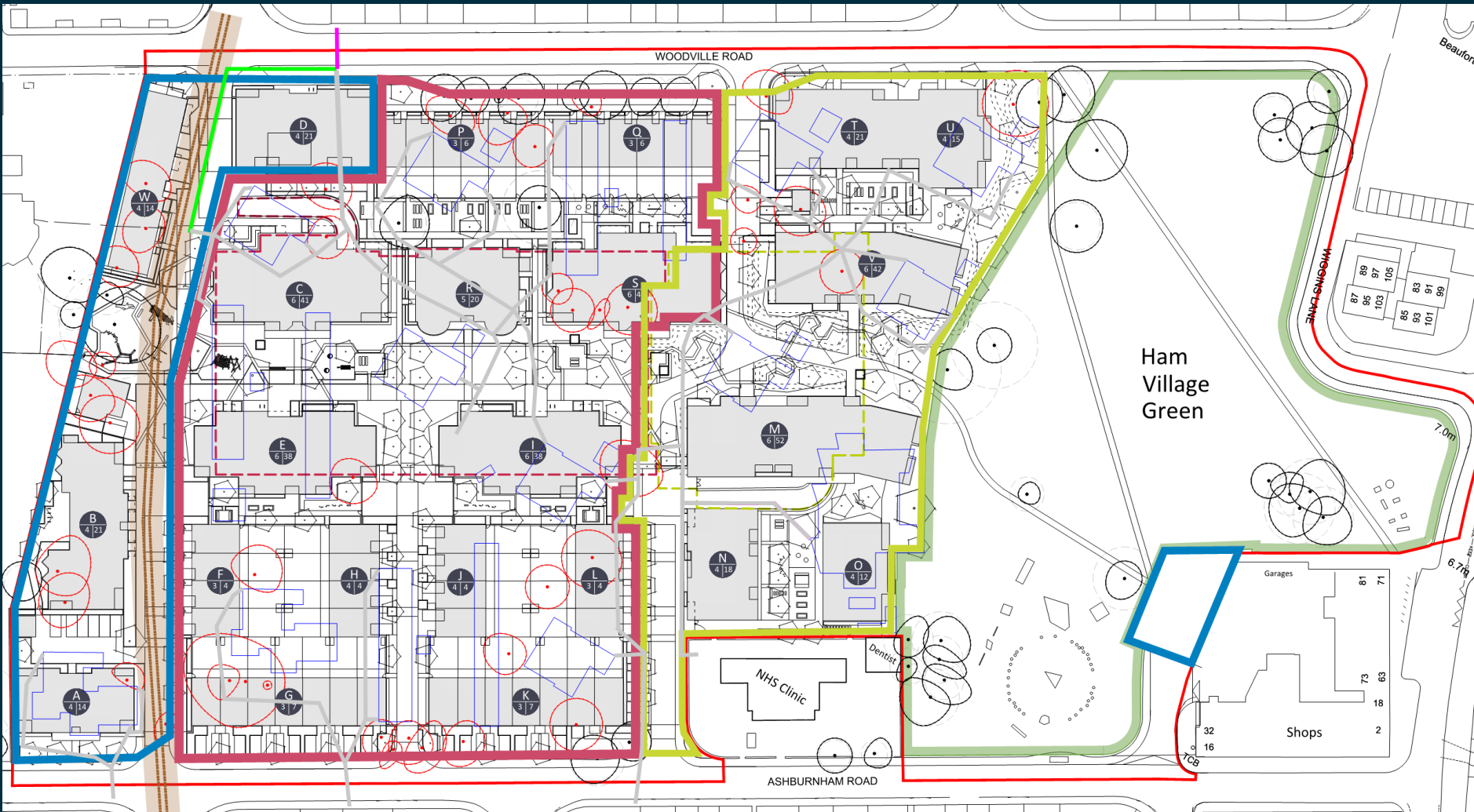


Existing Virgin Media cabling

Redundant cabling

Proposed Virgin Media cabling

Phase 3 Virgin Media Disconnections



Existing Virgin Media cabling

Redundant cabling

Proposed Virgin Media cabling

8. DRAINAGE DISCONNECTIONS AND DIVERSIONS

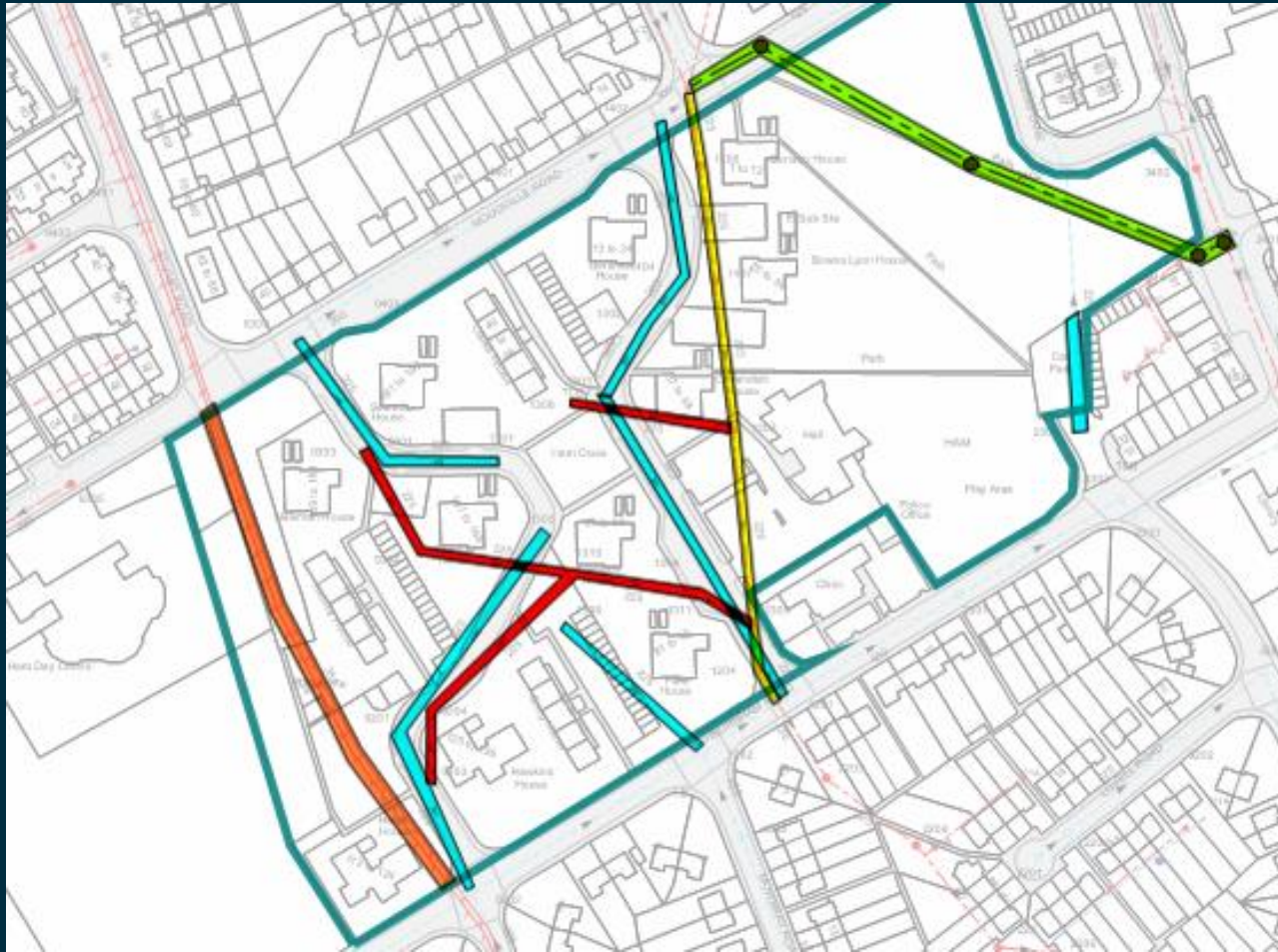
On the western edge of the site, there is a pumped foul water rising mains. The proposed layout has allowed for the existing sewer easement and for the rising main to be retained.

The 225mm diameter foul water sewer running between manholes TW1405 and TW1204 across the site from Woodville Road to Ashburnham cannot be accommodated within the proposals and must be diverted towards the 225mmØ sewer in Ham Street, through the Green. Thames Water have been consulted and confirmed adequate capacity is available for this diversion.

The 225mm diameter foul water sewer from the existing car park (from manhole TW2304) will need to be abandoned as this sits underneath the proposed structure. Any existing connections will be diverted towards the new connection into the sewer in Ashburnham Road.

All other foul and storm water sewers on site only serve the existing development. As these existing buildings are being demolished, these drains will become redundant and will be abandoned. As the demolition and construction are to be completed in phases, attention will need to be paid to ensuring the sewers remain live for the buildings that are in use. This may require some temporary diversions to take place during development. These will be reviewed in further detail during design development.

Drainage Diversions and abandonment



— Existing foul sewer to be abandoned

— Existing foul sewer to be diverted

— Existing rising main to be retained

— Existing storm sewer to be abandoned

— Proposed foul sewer for diversion

9. NEW SITE UTILITIES

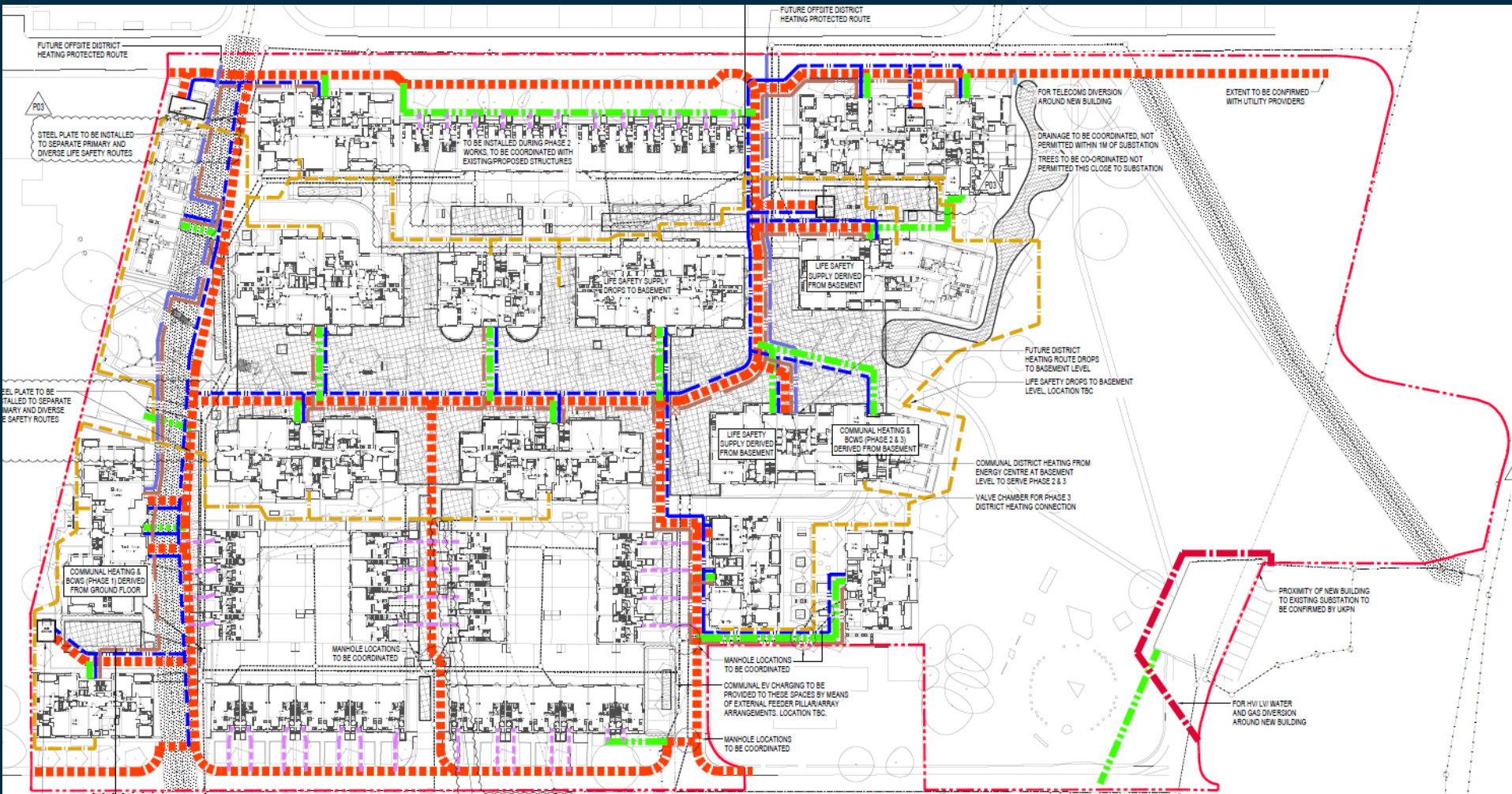
The demolition and development is to be completed in 3 phases, therefore the installation of new utilities will also need to be completed in a phased process.

The plans on the following pages indicate the proposed utility corridors for the new services across the development. These have been developed alongside the drainage strategy and landscaping plan in order to avoid clashes between services, drainage and tree pits.










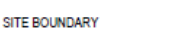
The utility corridors have also considered the existing Thames Water rising main and required easement zone around the main that runs between Woodville Road and Ashburnham Road on the western edge of the site.

The new development will also use an on-site district heating system to distribute hot water generated via Air Source Heat pumps from the 2no. Energy centres proposed on the development to each property.

New Site Services Layout



SERVICES LEGEND

-  PROPOSED PRIMARY UTILITY CORRIDOR FOR ELECTRICAL, WATER AND TELECOMS 2M WIDE
-  PROPOSED SECONDARY UTILITY CORRIDOR FOR ELECTRICAL, WATER AND TELECOMS 1.5M WIDE
-  PROPOSED SECONDARY UTILITY CORRIDOR FOR ELECTRICAL, WATER AND TELECOMS TO HOUSES 0.75M WIDE
-  PROPOSED UTILITY CORRIDOR FOR ELECTRICAL, GAS & WATER DIVERSIONS 1.5M WIDE
-  PROPOSED UTILITY CORRIDOR FOR TELECOMS DIVERSIONS 0.75M WIDE
-  PROPOSED DISTRICT HEATING UTILITY CORRIDOR 0.75M WIDE
-  PROPOSED FUTURE OFF-SITE DISTRICT HEATING UTILITY CORRIDOR - 0.75M WIDE
-  PRIMARY LIFE SAFETY ROUTE
-  DIVERSE LIFE SAFETY ROUTE
-  SITE BOUNDARY

9. NEW SITE UTILITIES

Mains Water Supplies –

A new mains water service (MWS) connection shall be sized and provided from the utility mains in Woodville Road and distributed to dedicated water tank rooms in each phase and direct connections to individual houses. A below ground Boosted Cold Water Services (BCWS) shall be provided including domestic sprinkler services from the above tank rooms to each block. The proposed BCWS serving the residential units on the site shall be provided from the water tank rooms within each phasing arrangement (Phase 1 and Phase 2 & Phase 3). The commercial units located on site will be provided with a dedicated MWS connections from the utility mains noted above. There will be a proposed commercial sprinkler tank located within Phase 2. This tank will require a dedicated MWS connection separate from any other residential or commercial supplies. It is proposed to connect this new mains water supply in Woodville Road as with the other connections. This sprinkler supply will serve the commercial units and plantrooms across the site. In summary, the mains water connections required are as follows. Please note that all sizes are to be confirmed.

Phase 1

- 1No. supply connection to serve the residential water tank room.

Phase 2 and Phase 3

- 1No. supply connection to serve the residential water tank room.
- 1No. supply for the commercial unit.
- 1No. supply connections to serve the residential houses

The new water distribution infrastructure shall utilise multi-service trenches that will allow for the installation of multiple utilities to follow the same routing throughout the site.

9. NEW SITE UTILITIES

Electricity Supplies –

Following liaison with the IDNO Power-On, it is anticipated that new HV services will be provided to the site from the primary substation on Richmond Road approximately 1 mile from the proposed development. A transformer feeder unit (TFU) will be required on site within one of the new substations and the new supply will also connect to an existing HV circuit in the vicinity. A load assessment indicated that the following quantities of substations will be required to serve the development:

Phase 1 - 1 No. 1MVA Substation (Will also supply part of Phase 3 development)

Phase 2 - 2 No. 1MVA Substations

Phase 3 - 1 No. 1MVA Substations (Built within Phase 2 development and some load taken from Phase 1 substation)

A below ground ducting system will need to be provided for High Voltage and Low Voltage utility services to and from substations to supply each building core and switchroom.

9. NEW SITE UTILITIES

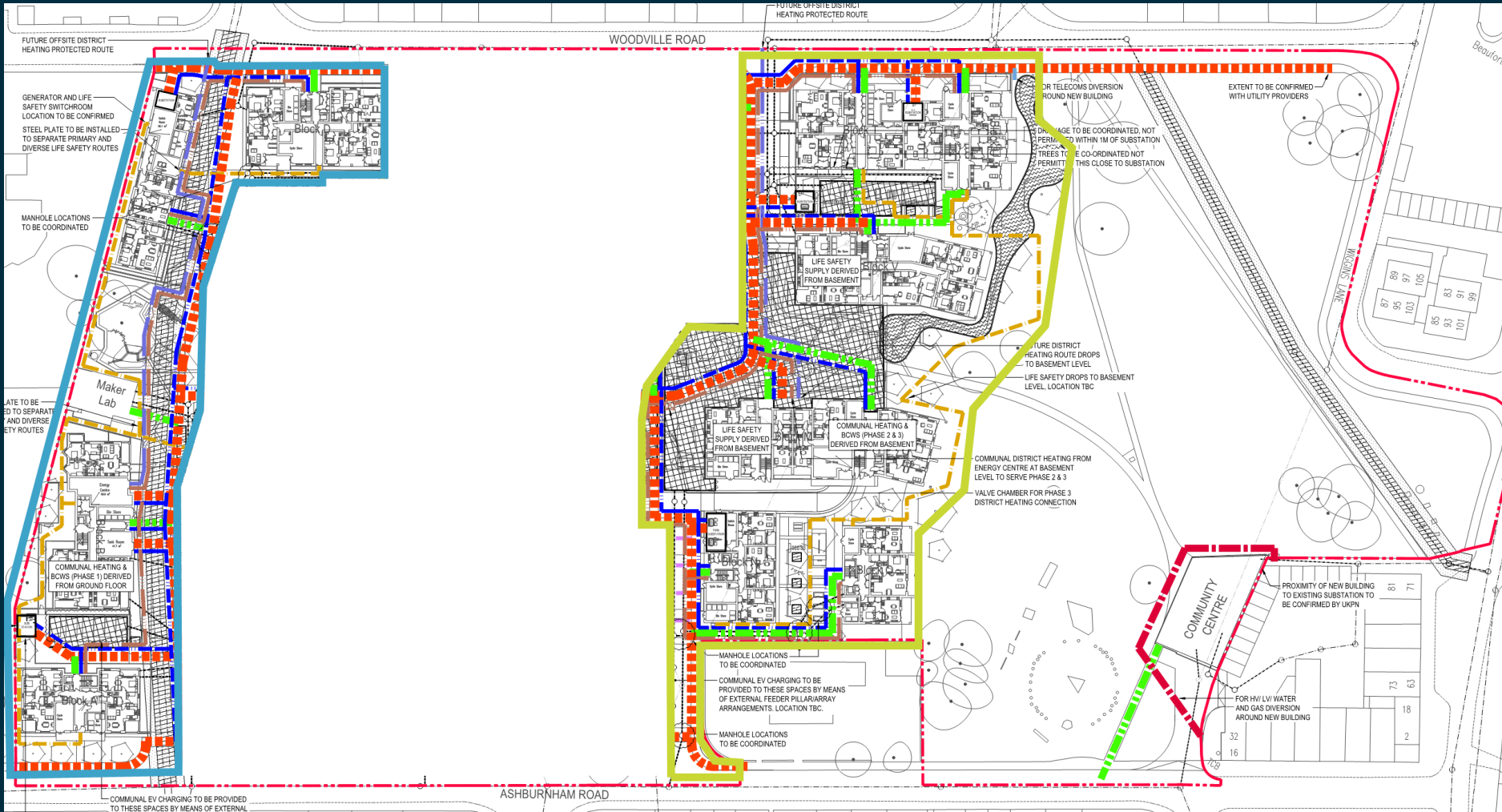
BT Openreach –

Below ground ducting system will need to be provided for BT Openreach Services around the site to each residential building core; house; and to commercial areas. It is anticipated that the existing BT Openreach infrastructure on Woodville Road and Ashburnham Road can be extended to provide new services to the development. It is anticipated that all new BT Openreach services will be utilising the developer self-install approach.

Virgin Media -

Applications will be made with Virgin Media for new services to dwellings and commercial areas. Virgin Media will require a separate ducting system around the site to each residential building core and commercial area. It is anticipated that the existing Virgin Media infrastructure on Ashburnham Road can be extended to provide new services to the development. It is anticipated that all Virgin Media services will be utilising the developer self-install approach.

Phase 2 New Utilities



- Proposed primary utility corridor for electrical, water and telecoms

Proposed secondary utility corridor for electrical, water and telecoms

Proposed secondary utility corridor for electrical, water and telecoms to houses
- Proposed utility corridor for electrical, gas and water diversions

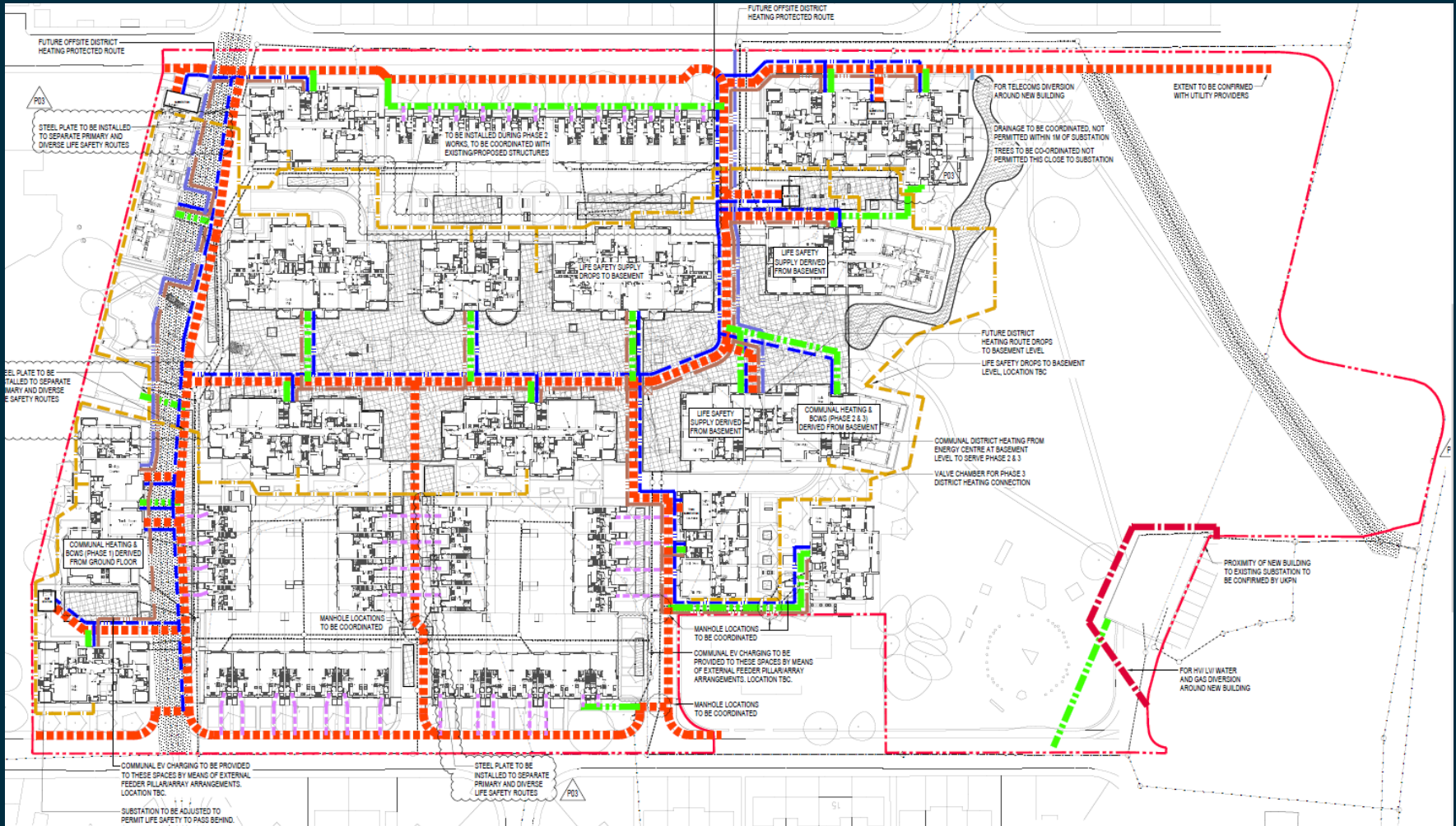
Proposed utility corridor for telecoms diversions

Proposed district heating utility corridor
- Proposed future off-site district heating utility corridor

Primary life safety route

Diverse life safety route

Phase 3 New Utilities



10. NEW ELECTRIC - CAPACITY

As part of the design development process, an application has been made to UKPN for the required electrical load for the development.

In response to the application, UKPN have advised that a considerable amount of off-site reinforcement works are likely to be required to accommodate the new load requirement for the development.

These works involve the installation of a new 11KV circuit breaker within the Ham Primary substation and the installation of a new HV cable from the new circuit breaker to the new on-site substation (for a distance of around 1.65km). A Trunk Feeder Unit (TFU) will also need to be installed on the site and is going to be accommodated within one of the integral substations within the new blocks.

Potential Electric Off-Site Reinforcement

Title: Ham Close

JOB NO: 8200047720

STANDARD PLOT

Install a new VRN6 on feeder 06 for back feed and create a NOP

RN2 on customer site to ring connect the load

ICP to overlay approx 300m existing 0.06 cable with 300Al Triplex. between new VRN6 to Node 1210XA

The IDNO/ICP will be responsible for providing all contestable works including the construction of a substation, the supply and installation of the substation equipment including TLF transformer mounted RMU with remote control switching, the substation earthing arrangements, small power and lighting within the substation, the installation of the associated HV cables back to the POC's and the excavation of joint holes for final connections. Please refer to the offer letter for details of the contestable works.

The IDNO/ICP will be responsible for obtaining all legal agreements associated with this project. The IDNO/ICP will present the completed legal agreements on UK Power Networks standard documentation. No works will commence until UK Power Networks are in possession of the completed legal agreements.

Proposed 11kV Point of connection from Ham 33/11kV Primary via a new 11kV Circuit Breaker