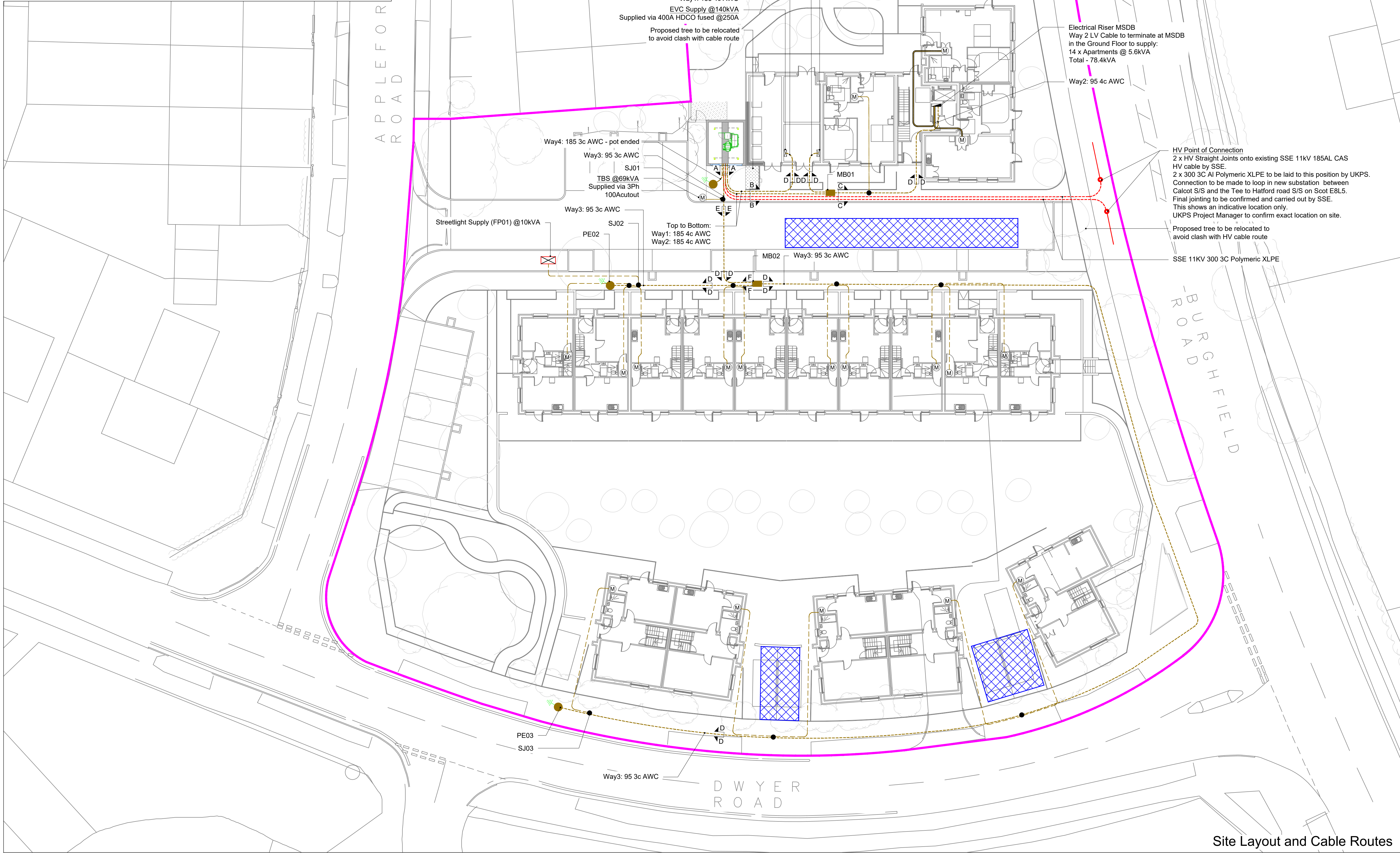
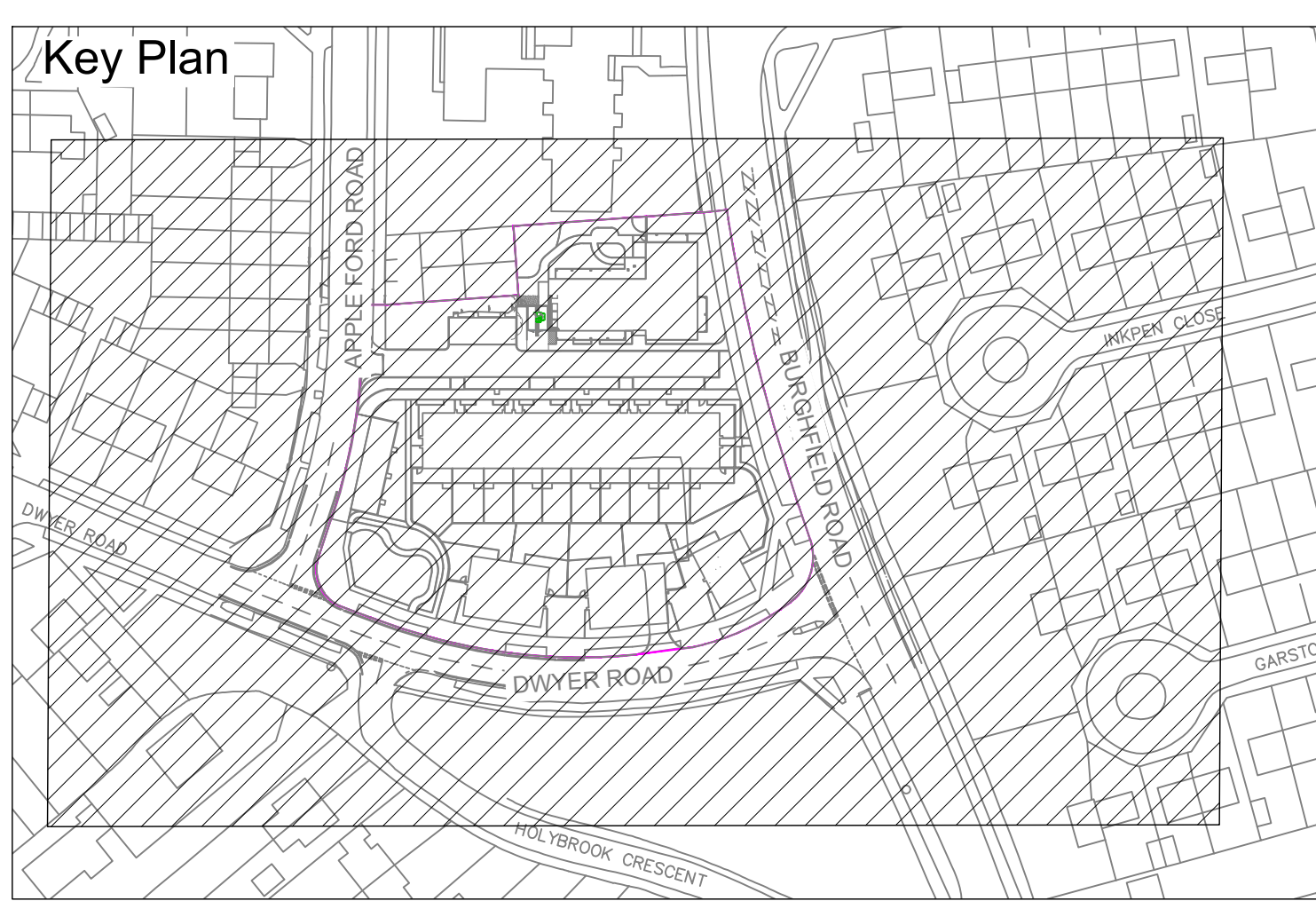




Legend	
	Site Boundary
	Proposed LV Service (IDNO)
	Proposed LV main (IDNO)
	Proposed HV (DNO)
	Existing HV (DNO)
	HV Point of Connection
	Pot End
	Service Joint
	LV Breach/Straight Joint
	Street Lighting Pillar
	Meter
	MSDB
	Heavy Duty Cut-Out (HDCO)
	Earth Spike
	Attenuation Tank

Typical Cable Installation Data			
Cable Type	Max Pulling Tension	Minimum Bonding Radius	Minimum Duct Size (ID)
185 4c AWC	714kg	800mm	125mm
95 4c AWC	306kg	600mm	125mm
95 3c AWC	306kg	550mm	125mm
35 Al Plain Conc. 3c	Manual	200mm	125mm
35 Al Split Conc. 1c (LSOH)	Manual	130mm	38mm
35 Al Plain Conc. 1c	Manual	115mm	38mm
AWC: Aluminium Waveform Cable			

- Site Address:**
- Dwyer Road & Burghfield Road, Reading, RG30 3LN.
- General Notes:**
- SSE (DNO) Ref: FDA689/1
 - Grid Ref: SU68257187
 - Last Mile (IDNO) Ref: ASSET069371
 - This integral substation will be adopted by the IDNO.
 - For Project Scope and Material Specifications, please refer to Project Information Document - IDNO.
 - Please be aware that underground cables exist on/near the site. It is important that all works comply with the requirements of the health and safety executive document HSG47 - "Avoiding Danger from Underground Services".
 - Cables and cable ducts should be installed as per the trench cross section details, any deviation to be discussed with UKPS Designer prior to installation. Any deviation from this drawing is to be discussed with UKPS prior to construction.
 - Please note that any disturbance to the network caused by any motors and/or welders connected to this TBS will need to be compensated at full expenses by the client and TBS will be disconnected consequently.
- Internal LV Cable Route:**
- This drawing should be read in conjunction with the latest revision of UKPS standard metering template.
 - It is assumed that the ceiling is accessible for all the cable lengths at high level.
 - All electrical risers to have a minimum of 1m working space.
 - For the location of the cut-outs/metering points, please refer to the Electrical Design.

1	Design Approved	06/02/25	AT
0	Preliminary Design	11/11/24	AT
REV	AMENDMENT	DATE	BY

UKPS
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Client	Francis Construction					
Project	Dwyer & Burghfield Road Reading					
Title	Site Layout and Cable Routes - IDNO					
Design and Planning Engineer	Ahsan Talat	Contact No.	0845 257 7105			
Project Manager	TBC	Contact No.	TBC			
Drawn By	AT	Checked By	AF	Date	11/11/2024	
Scale	1:200	Sheet No.	1 of 2	Original Size	A1	
Drawing No.	UKP13364 - DWG301					
Client Ref.	N/A					
Drawing Status	Approved for Construction				Rev	1