UoM Whitworth Park Wifi Transformation

Grove House, Wifi Access Point Details

Date:	24/06/2026	**Job Number:**	BSL31956
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Approved	B Doran	**Sheet Number:**	1 of 13 + Appendix

Introduction

As part of the Wi-Fi transformation project, Grove House on Oxford Road, Manchester is being provided with "access points" to improve wireless data coverage.

Grove House is a grade II* listed building. As a heritage asset of significant historical and architectural value all proposed alterations & new installations are considered carefully to ensure that the fabric and significance of the building are appropriately protected.

This report provides a descriptive and photographic illustration of the proposed installation including cable routes, to support a clearer understanding of the works.

Photographs of the existing routes and surrounding areas assist in identifying suitable approaches, highlighting any constraints, confirming the proposals are compatible with the building's listed status.

This report should be read in conjunction with the following "Proposed Wifi Points" drawings Grove House (included in appendix A)

- Basement Level: BSL31956-RPS-GR-BS-DR-E-6120_C02.pdf
- Grouind Floor: BSL31956-RPS-GR-00-DR-E-6121_C02.pdf
- First Floor: BSL31956-RPS-GR-01-DR-E-6122_C02.pdf
- Second Floor: BSL31956-RPS-GR-02-DR-E-6123_C02.pdf

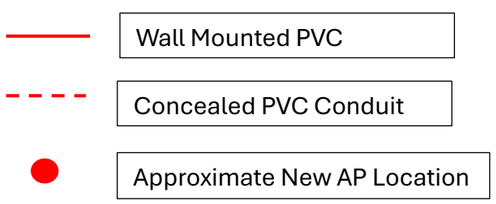
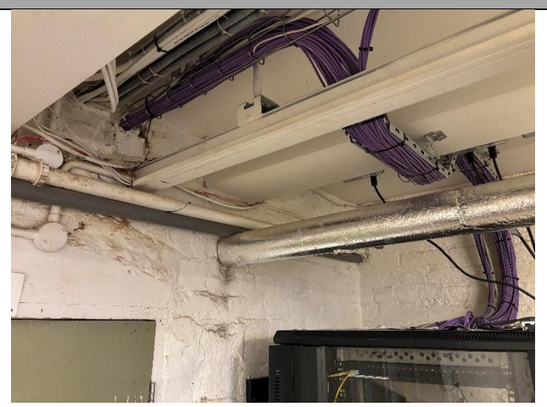
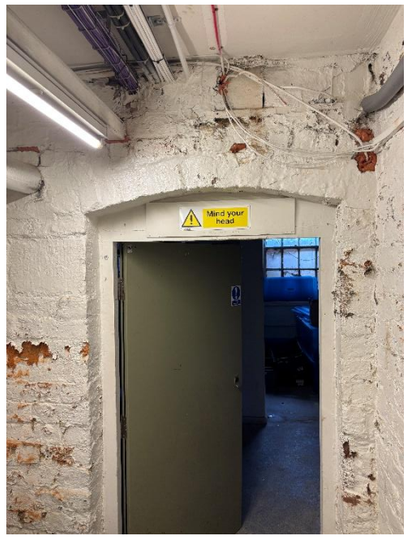
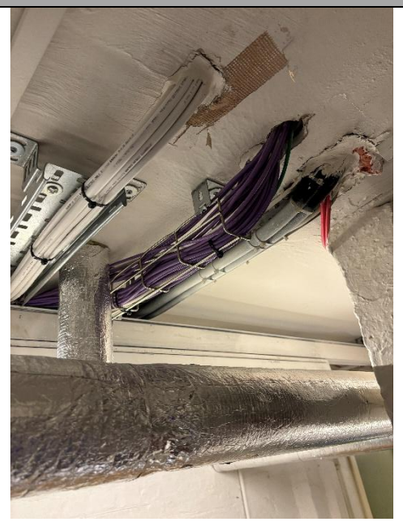


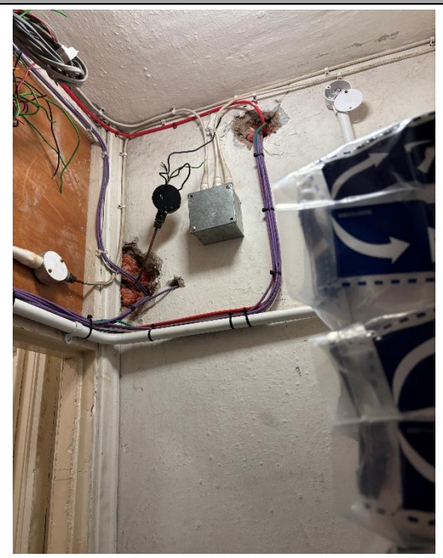


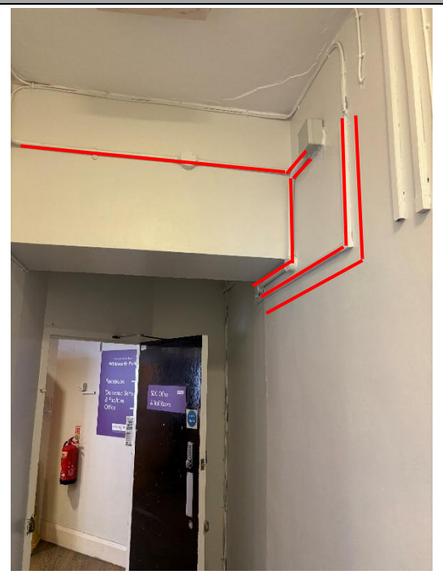
Figure 1 - Grove House, Oxford Road

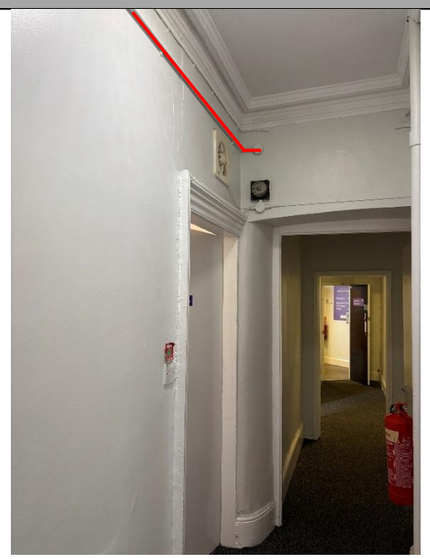
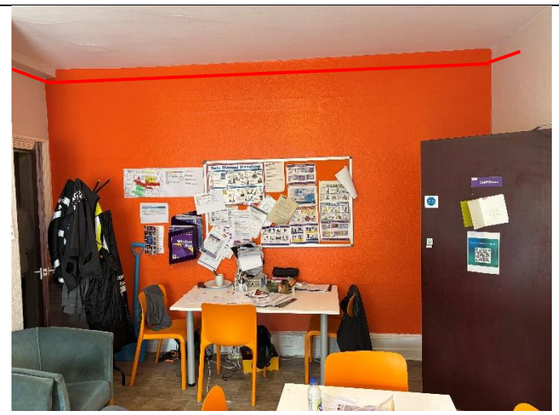
Table 1 – Grove House AP's Cable Routing

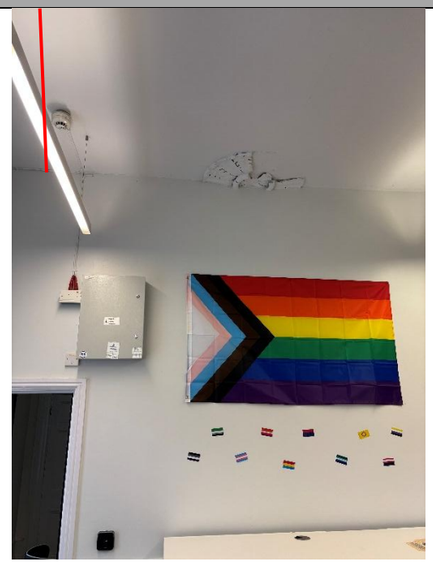
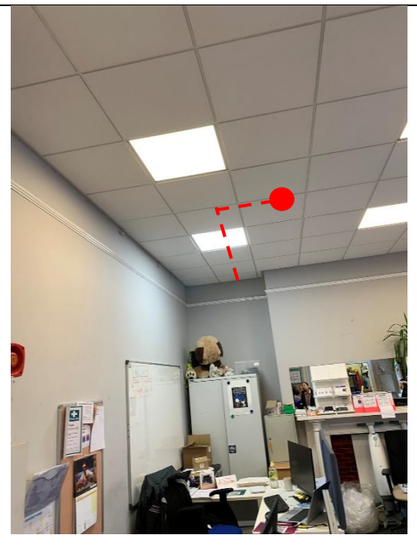
Location (Floor/Room)	Cables Emanating from	Means of containment to new AP	Data Point Reference	Images
Basement Room LG.007	Comms Cabinet located in the basement, in this room	Existing cable tray shown to be replaced in the same location with new, wider cable tray to accommodate 24No new data cables.	All new data poins emanate from this location	 *Figure 2- Existing Cable Tray*
Basement. Room LG.035.	Comms Room LG.007	Replace existing cable basket to accommodate 24No new data cables. Existing cable basket is 75mm wide; the new cable basket will be 100mm wide. Existing penetrations in wall will be reused and the existing fire-stopping to be renewed after the new installation.	All new data poins emanate from this location	 *Figure 3 - Existing Cable Basket running from room LG.007 into LG.035*

Location (Floor/Room)	Cables Emanating from	Means of containment to new AP	Data Point Reference	Images
Basement Room LG.035		The existing cable basket will be replaced with new to accommodate 24No new data cables. Existing penetration through the ground floor slab will be reused and fire stopping renewed to suit.	All new data poins emanate from this location	 *Figure 4 – Existing Cable Basket in LG.035 rising to ground floor (cupboard)*
Ground Floor Storeroom under stairs (store off corridor UG.024)	Cable into store emanate from basement (LG.035) below	Existing cable basket to be replaced with new larger basket to accommodate 24No new additional data cables. New/replaced cable basket to rise from slab level in the same location as existing, to high level.	All new data poins emanate from this location	 *Figure 5 Existing Cable basket rising from basement*

Location (Floor/Room)	Cables Emanating from	Means of containment to new AP	Data Point Reference	Images
Ground Floor Storeroom under stairs (store off corridor UG.024)	Cable into store emanate from basement (LG.035) below and are routed at high level to UG.024	8No new data cables to exit the storeroom into 2No replaced white plastic PVC conduits for AP points located on the ground floor. 8No new data cables in new white PVC conduit to exit the store at high level into the corridor UG.024 8No new data cables to rise above to first floor (into existing riser boxing)	The following new APs are routed from this locaiton • 003-L-C(N) • 004-L-C(N) • 006-L-C(N) • 007-L-C(N)	 *Figure 6 – Existing Cable entries to Ground floor corridor*

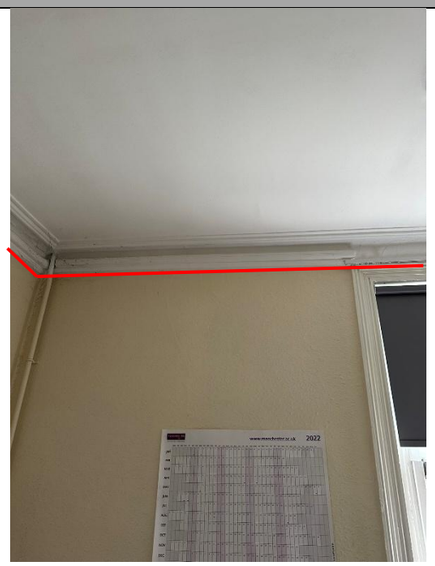
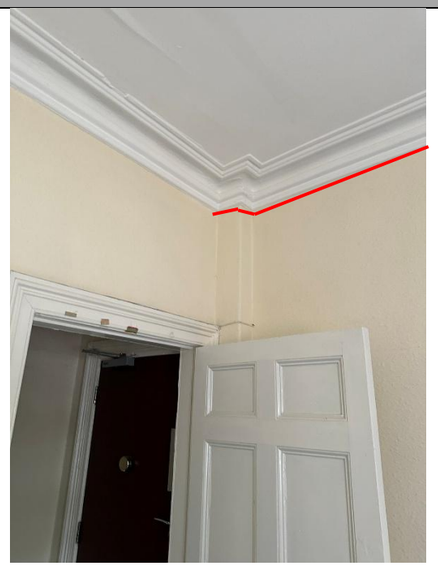
Location (Floor/Room)	Cables Emanating from	Means of containment to new AP	Data Point Reference	Images
Ground Floor	UG.024	2No existing white plastic PVC conduit wall mounted to be replaced. 1No to contain an extra 6No new data cables to supply new AP points located in UG.015, UG.021 & UG.005. 1No to contain 2No new data cables to serve a new AP point located in UG.023 1No new white PVC containment to contain 8No new data cables supplying the first and second floor.	Cables to the following new APs are routed in this locaiton • 004-L-C(N) • 006-L-C(N)	 *Figure 8 Existing PVC conduit in Corridor UG.024 containing the existing services from the store behind. This conduit to be replaced with new to accommodate extra cables.*  *Figure 7 - Existing PVC conduit in Corridor UG.024*

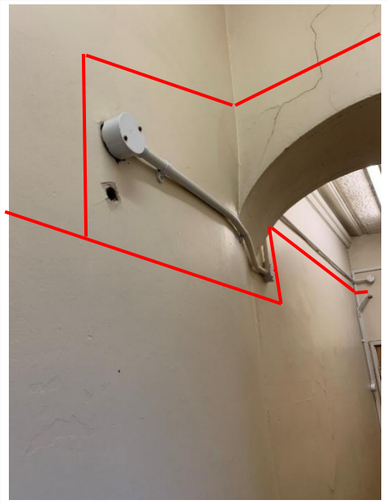
Location (Floor/Room)	Cables Emanating from	Means of containment to new AP	Data Point Reference	Images
Ground Floor	UG.024	This existing white PVC conduit currently containing 2No existing data cables to be replaced to contain 4No data cables for a new AP point in UG.023.	Cables to the following new AP is routed in this locaiton • 003-L-C(N).	 *Figure 9 - Existing White PVC Conduit serving an Existing AP point*
Ground Floor	UG.024	New white PVC conduit to supply 2No new data cables to a new AP point within UG.015.	Cables to the following new AP is routed in this locaiton • 007-L-C(N).	 *Figure 10 – Location of new White PVC conduit to serve new AP point within UG.015*

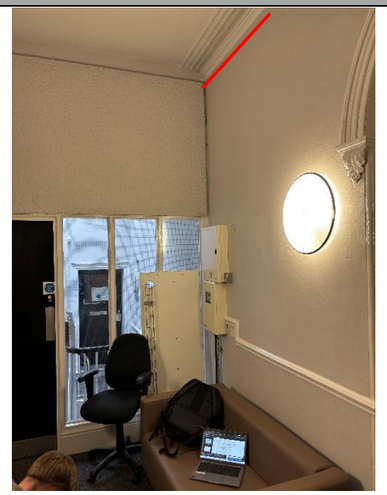
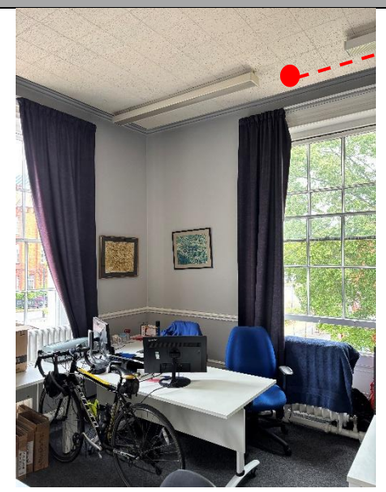
Location (Floor/Room)	Cables Emanating from	Means of containment to new AP	Data Point Reference	Images
Ground Floor	UG.010 / 023	New Conduit to serve new AP point in UG.023, passing through wall from UG.010. UG.023 does not have a ceiling void – conduit to be surface-mounted on ceiling UG.010 has a suspended ceiling; conduit to be concealed within the ceiling void.	003-L-C(N).	 *Figure 10 - Room UG.023, Where new White PVC conduit to be surface mounted on the ceiling*
Ground Floor room UG.005	UG.001	Conduit to serve new AP point in UG.005, passing through wall from UG.001 to be concealed within the ceiling void.	004-L-C(N).	 *Figure 11 - Room UG.005, Where new White PVC conduit to be in ceiling void*

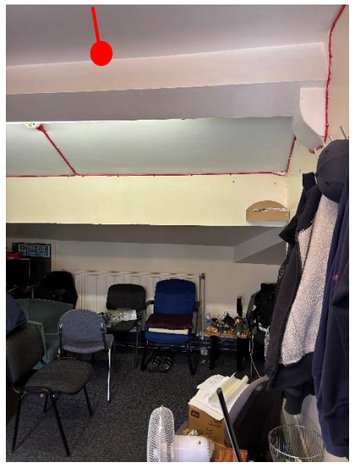
Location (Floor/Room)	Cables Emanating from	Means of containment to new AP	Data Point Reference	Images
First Floor, room 1.028	Cabels from store room below to existing riser on first floor.	Existing riser to contain an extra 16No new data cables to supply AP points located on the first and second floor.	Cables to the following new APs are routed from below to this riser • 102-L-C(N). • 103-L-C(N). • 106-L-C(N). • 108-L-C(N). • 109-L-C(N). • 110-L-C(N). • 203-L-C(N).	 *Figure 12 - Existing riser located on the first floor*
First Floor, room 1.028	Riser in room 1.028	New PVC White conduit at high level on wall mounted to supply 2No data cables to serve new AP point within 1st floor corridor.	106-L-C(N).	 *Figure 14 - Existing 1st floor corridor to contain AP point.*  *Figure 13 - Existing 1st floor corridor to contain AP point.*

Location (Floor/Room)	Cables Emanating from	Means of containment to new AP	Data Point Reference	Images
First Floor, room 1.031	1.028	Existing PVC White conduit to be modified to extend to 2nd floor	105-L-C(R).	 *Figure 16 - Existing white PVC conduit to be modified. Image indicates AP 105-L-CR currently in room 1.031 and to be relocated to room 1.028*  *Figure 15 - Existing white PVC conduit to be modified. Image indicates conduit travelling to 105-L-C(R) to be modified for 102-L-C(N)*

Location (Floor/Room)	Cables Emanating from	Means of containment to new AP	Data Point Reference	Images
First Floor, room 1.008	1.031	New surface mounted PVC White conduit to be installed to serve new AP in room	102-L-C(N).	 *Figure 18 - Room 1.008, Location of new AP point*  *Figure 17 - Room 1.008, Location of new AP point*
First Floor Room 1.013	1.030	New PVC White conduit wall mounted to supply 2No data cables to serve new AP point within 1.013.	103-L-C(N).	 *Figure 19 – Room 1.013, Where new AP point to be located*

Location (Floor/Room)	Cables Emanating from	Means of containment to new AP	Data Point Reference	Images
First Floor, room 1.030	1.028	New PVC White conduit wall mounted to supply 2No data cables to serve new AP point within 1.015. New PVC White conduit to follow same route as the existing and to break off to serve the new AP point in Room 1.013.	104-L-C(N).	 *Figure 21 - Existing White PVC Conduit*  *Figure 20 - Door to Room 1.015, where new AP point to be located new PVC surface mounted conduit from corridor to room at high level*
First Floor room 1.036	1.028	New PVC White conduit wall mounted to supply 4No data cables to serve new AP points within 1.001 & 1.003.	108-L-C(N). 110-L-C(N).	 *Figure 23 - Stairwell 1.035, New White PVC conduit to be wall mounted*  *Figure 22 - New White PVC conduit to be wall mounted within Room 1.026*

Location (Floor/Room)	Cables Emanating from	Means of containment to new AP	Data Point Reference	Images
First Floor, 1004, 1.027	1.028	New PVC White conduit wall mounted to supply 2No data cables to serve new AP point within 1.004.	109-L-C(N)	 *Figure 25 - Room 1.026, Where new White PVC to be wall mounted*  *Figure 24 - Room 1.004, Where new AP point to be located. Cables to be in conduit concealed in ceiling void.*
Second Floor, Room 1.010 / 2.007	1.031	New PVC White conduit wall mounted up the stairwell to supply 4No data cables to serve new AP point within 2.001 & 2.002.	203-L-C(N) 201-L-C(N)	 *Figure 27 - Stairwell 2.37, where new white PVC conduit to be mounted*  *Figure 26 - Room 2.001, where new AP point to be located (to be agreed.*

Location (Floor/Room)	Cables Emanating from	Means of containment to new AP	Data Point Reference	Images
Second Floor, room 2.002	2.001	New PVC White conduit wall mounted to supply 2No data cables to serve new AP point within 2.002. Given the condition of this room the location for this AP may be reconsidered.	203-L-C(N)	 *Figure 28 - Room 2.002, where new AP point to be located.*
Second Floor Room 2.005	2.008 (stair)	New PVC White conduit wall mounted up the stairwell to supply 2No data cables to serve new AP point within 2.005.		 *Figure 29 - Room 2.005, where new AP point to be located*

Appendix A – Proposed WIFI Points

Drawings

- Basement Level: BSL31956-RPS-GR-BS-DR-E-6120_C02.pdf
- Grouind Floor: BSL31956-RPS-GR-00-DR-E-6121_C02.pdf
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