



Design & Access Statement

E04759

APPENDIX N

Utilities Proposals

HCC Property Services

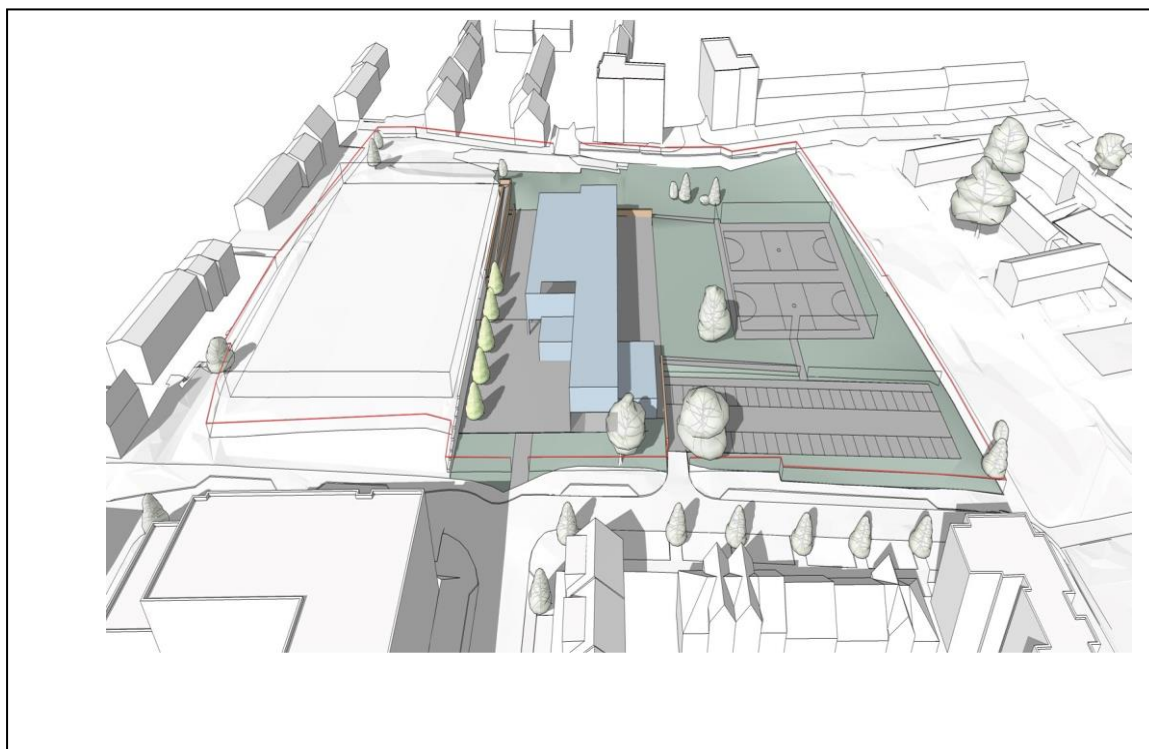
Electrical Engineering Services

Information for Planning – Utility Services

E04759 Ranikhet Academy School

January 2021

Issue no.1 Planning



Document:	Electrical Engineering Services – Utility Services – Information for Planning
HCC Property Services Reference:	E04759
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Date:	January 2021
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Revision History			
Issue number	Description	Author(s)	Date
1	Planning	MS/CM	Jan 2021

1 Executive Summary

The following information outlines the strategy at Planning stage for the proposed new utility services at Ranikhet Primary Academy, Reading. An appropriate utility services strategy for the site has been developed using record information and appropriate site assessment and survey of existing arrangements.

2 Electrical Supply

A new electrical supply is proposed for the site. It is proposed that this will come from Scottish & Southern Energy's existing underground network running along Eddleston Way. The required capacity of this new supply has been assessed as 138kVA. A quotation for this work has been obtained from Scottish & Southern Energy, and the proposed route from the main vehicular entrance to the school in Spey Road/Eddleston Way to the electrical intake room of the new school building is indicated on the drawings and SSE design document which accompanies this report.

3 Broadband and data services

A new broadband and data services will be installed to the school. This will be derived from network services infrastructure cabling in Eddleston Way, and will comprise of a fibre optic service cable from the nearest suitable node. New fibre service will follow a similar route to the new electrical service, across the site and into the electrical intake room. Formal quotations for this service are yet to be obtained from the Academy's preferred service provider.

4 Telephone services

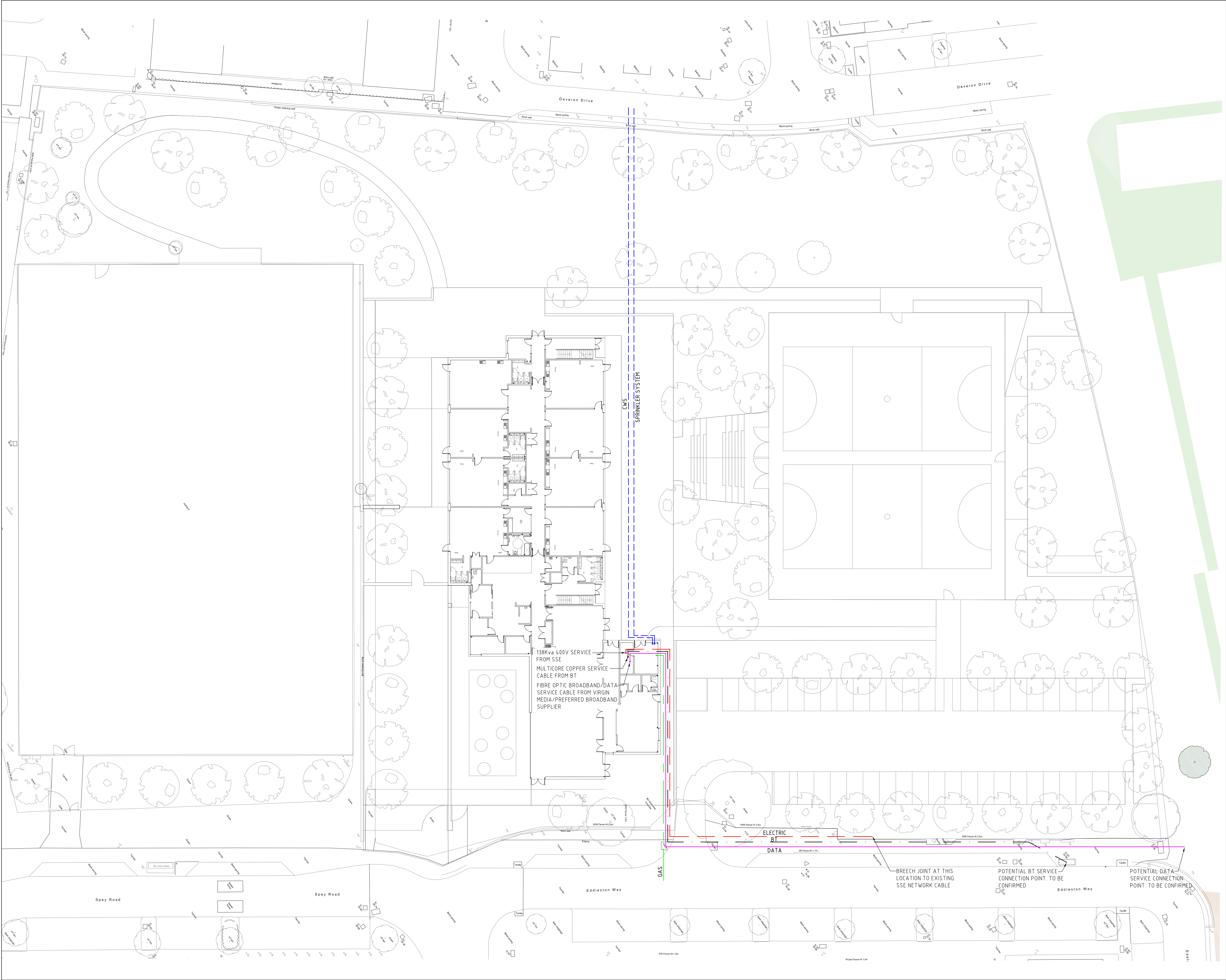
It is currently envisaged that copper telephone services may be required by the school. Therefore a new multicore copper telephone service will be installed to the school. This will be derived from the existing BT network services infrastructure cabling in Eddleston Way, and will comprise of a multicore copper BT cable from the nearest suitable connection network connection point, and will follow a similar route to the new electrical service, across the site and into the electrical intake room. Formal quotations for this service are yet to be obtained from BT.

5 Gas services

A new gas supply is proposed for the site. It is proposed that this will come from SGN's existing underground network running along Eddleston Way.

6 Water services

A new metered water main is proposed for the site to be run from either the mains water service within Deveron Way or extended from the existing cold water main running parallel to the existing Academy building. In addition to this, a new unmetered water supply will be installed for the building sprinkler system.



- General Notes**
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER TENDER & CONTRACT DOCUMENTATION ISSUED FOR THIS PROJECT.
 2. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE & SHALL BE CHECKED & VERIFIED ON SITE BEFORE CONSTRUCTION. FOR WALL SETTING OUT DIMENSIONS REFER TO ARCHITECTS DRAWINGS.
 3. THE INSTALLATION SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE PROJECT TENDER DRAWINGS, PARTICULAR REQUIREMENTS & STANDARD SPECIFICATIONS 7 THE CURRENT EDITION OF THE WIRING REGULATIONS (BS7671).
 4. FINAL POSITION OF ALL EQUIPMENT SHALL BE AGREED ON SITE WITH THE ENGINEER PRIOR TO INSTALLATION.
 5. THE CONTRACTOR SHALL CO-ORDINATE THE WORKS WITH ALL OTHER TRADES PRIOR TO COMMENCEMENT.
 6. WHERE ANY OF THE EXISTING INSTALLATION DETAILED TO BE RE-USED IS FOUND TO BE OF A DUBIOUS STANDARD, CLARIFYING INSTRUCTIONS SHALL BE SOUGHT FROM THE PROJECT ENGINEER.
 7. THE CONTRACTOR SHALL LIAISE & CO-ORDINATE WITH ALL SPECIALIST CONTRACTORS EMPLOYED FOR THE WORKS.
 8. ISOLATE, REMOVE & PROTECT ANY SERVICES TO ALLOW DEMOLITION WORKS TO TAKE PLACE IN ACCORDANCE WITH THE SCOPE OF WORKS.
 9. ALL ITEMS OF EQUIPMENT TO BE REMOVED & NOT RE-USED, SHALL BE OFFERED TO THE CLIENT'S REPRESENTATIVE & IF NOT REQUIRED, CONFIRMATION FOR THEIR DISPOSAL SHALL BE OBTAINED FROM THE PROJECT ENGINEER.
 10. THE CONTRACTOR SHALL ENSURE THE ACOUSTIC INTEGRITY & FIRE RATING OF WALLS & PARTITIONS, IS MAINTAINED WHERE SERVICES ARE REQUIRED TO PASS THROUGH.

Notes:

MALC'S NOTES

PRELIMINARY

Rev	Description	Date	By

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PROJECT NAME
RANIKHET ACADEMY PRIMARY

SHEET NAME
ELECTRICAL & MECHANICAL
ENGINEERING SERVICES
PROPOSED UTILITY SERVICE ROUTES

SCALE
1:250 @ A1

DRAWN CAD
CHKD MS
APRV

DRAWING No.
project code - originator - volume - level - type - role - number
version
E04759-HCC-00-DR-E-8000

SUITABILITY
code description

