



MEC
Consulting Group

UTILITIES



Land off Crick Road, Caldicot East
Electricity Capacity Statement
April 2024

Report Ref: 28514-UTIL-0701

Land off Crick Road, Caldicot East

Electricity Capacity Statement

April 2024

REPORT REF: 28514-UTIL-0701

CLIENT: Richborough

ENGINEER: MEC Consulting Group Ltd
The Old Chapel
Station Road
Hugglescote
Leicestershire
LE67 2GB

Tel: 01530 264 753
Email group@m-ec.co.uk

REGISTRATION OF AMENDMENTS

Date	Rev	Comment	Prepared By	Checked By	Approved By
April 2024	-	First issue	Emma Harris Utilities Coordinator	Nathan Allen MEnvSci Senior Environmental Consultant	Tim Rose BA(Hons) MCIHT MTPS Director

COPYRIGHT

The contents of this document must not be copied or reproduced in whole or part without the written consent of MEC Consulting Group Ltd.

CONTENTS

1.0	INTRODUCTION	4
2.0	SERVICE SUPPLY	5

APPENDICES

A.	SITE LOCATION PLAN
----	--------------------

1.0 INTRODUCTION

- 1.1 MEC Consulting Group Ltd (MEC), has been commissioned by Richborough (hereafter referred to as 'the Client') to undertake an Electricity Capacity for a proposed residential development at Land off Crick Road, Caldicot (hereafter referred to as 'the Site'). A site location plan is contained within **Appendix A**.
- 1.2 The development proposals consist of up to 735 residential dwellings, a Primary School, and a small retail unit(s).
- 1.3 The purpose of this technical note is to establish how the proposed development will be serviced with an electricity supply and whether diversion or protection of existing apparatus may be required.
- 1.4 Consultation has been undertaken with the key Statutory Undertaker to establish:
- Available capacity within existing infrastructure;
 - Required capacity improvement works to accommodate the development;
 - Required diversions of infrastructure to accommodate the proposed development;
 - Any required easements;
- 1.5 Consultation has been undertaken with the following Statutory Undertaker:
- National Grid Electricity Distribution (electricity);

Disclaimer

- 1.6 MEC has completed this report for the benefit of the individuals referred to in paragraph 1.1 and any relevant statutory authority which may require reference in relation to approvals for the proposed development. Other third parties should not use or rely upon the contents of this report unless explicit written approval has been gained from MEC.
- 1.7 MEC accepts no responsibility or liability for:
- a) The consequence of this documentation being used for any purpose or project other than that for which it was commissioned;
 - b) The issue of this document to any third party with whom approval for use has not been agreed.

2.0 SERVICE SUPPLY

National Grid Electricity Distribution

- 2.1 National Grid Electricity Distribution (NGED) have provided a point of connection to the existing HV (11kV) network with a total capacity of 5MVA which is sufficient for Air Source Heat Pumps (ASHPs) and Electric Vehicle Charging Points (EVCPs) at each dwelling. NGED have advised that a new HV direct feed from Sudbrook Primary will be required in order to supply the development. With this direct feed being implemented, it will give the option for an increase in supply if a Primary School and retail units are required. NGED have advised that up to 5 centrally located substations will be required within the development.
- 2.2 The typical plot of land required for a substation is 5x5m and 24/7 vehicle and pedestrian access will be required. A minimum of 9m clearance should be maintained between the substation and nearest residential dwellings in order to mitigate the risk of noise disturbance.



MEC
Consulting Group

APPENDICES



APPENDIX A



Copyright of Turley
This drawing is for illustrative purposes only and should not be used for any construction or estimation purposes. To be scaled for planning application purposes only. No liability or responsibility is accepted arising from reliance upon the information contained within this drawing.
Plans reproduced by permission of Ordnance Survey on behalf of The Controller of Her Majesty's Stationery Office. © Crown Copyright and database right [2021]. Ordnance Survey Licence number [0100031673].

KEY
 Site boundary

CLIENT
Richborough

PROJECT
Land off Crick Road,
Caldicott

DRAWING
Comprehensive Redline Plan

PROJECT NUMBER
RICU3019

DRAWING NUMBER	CHECKED BY
1001	AW

REVISION	STATUS
-	Issued

DATE	SCALE
April 2024	1:5000 @ A2





CIVIL ENGINEERING



TRANSPORT



FLOOD RISK & DRAINAGE



STRUCTURES



GEO-ENVIRONMENTAL



ACOUSTIC AIR



UTILITIES



GEOMATICS



LIGHTING



EXPERT WITNESS



MEC
Consulting Group

E: group@m-ec.co.uk
W: www.m-ec.co.uk