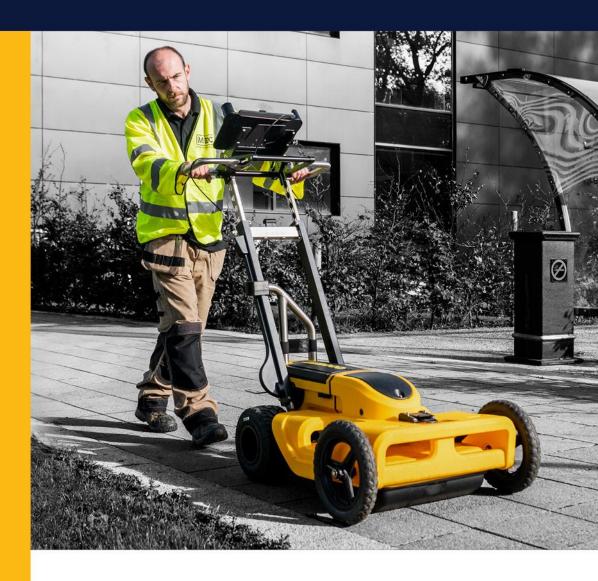


# UTILITIES





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
			Emma Harris	Nathan Allen	Tim Rose
April 2024	-	First issue	Utilities Coordinator	MEnvSci	BA(Hons) MCIHT MTPS
				Senior Environmental Consultant	Director



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2.0 SERVICE SUPPLY 5

# **APPENDICES**

A. SITE LOCATION PLAN



Report Ref: 28514-UTIL-0701



#### 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:
  - 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.

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#### 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.



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# APPENDICES





**APPENDIX A** 



# Copyright of Turley

Site boundary

CLIENT Richborough

PROJECT

Land off Crick Road,

Caldicott

DRAWING

**Comprehensive Redline Plan** 

PROJECT NUMBER

DRAWING NUMBER

REVISION

1:5000 @ A2





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