



Land at Havant Road, Emsworth

Utility Service Statement

For: Barratt Homes

Job No: 1012052

Doc Ref: 1012052-RPT-00002

Latest Revision: B

Date: 3/03/2017

Project Name:	Land at Havant Road, Emsworth
Client:	Barratt Homes
Report Title:	Utility Service Statement
Job Number:	1012052

Document Revision History

Revision Ref	Issue Date	Purpose of issue / description of revision
-	14 th July 2016	Draft Issue
A	21 st July 2017	Information

Document Validation (latest issue)

Recoverable Signature

03/03/2017

X

Abdul Mohammed

Principal author

Signed by: a.mohammed@cundall.com

X

J.Nguyen

Checked by

Signed by: Nguyen, John

X

Verified by

Signed by: Oughton, Carl

Land at Havant Road, Emsworth - Utility Service Statement
Document Ref – 1012052-RPT-00002

Contents

1.	Introduction	1
2.	Water Infrastructure.....	3
3.	Natural Gas Infrastructure	4
4.	Electrical Infrastructure.....	5
5.	Telecommunication Infrastructure	7

© This report is the copyright of Cundall Johnston & Partners LLP. The report is for the sole and confidential use of Barratt Homes. It must not be reproduced in whole or in part without the express written authorisation of Cundall Johnston & Partners LLP. Parties other than those specifically named in this disclaimer must not rely upon this report. Any third party relying on this report does so at their own risk. Cundall accepts no duty or responsibility (including in negligence) to any such third party.

1. Introduction

This utility services report has been prepared by Cundall on behalf of Barratt Homes to identify the extent of existing and proposed new utility service infrastructure serving the Land at Havant Road, Emsworth.

The content of this report has been based on the utility service information provided by the local utility companies.

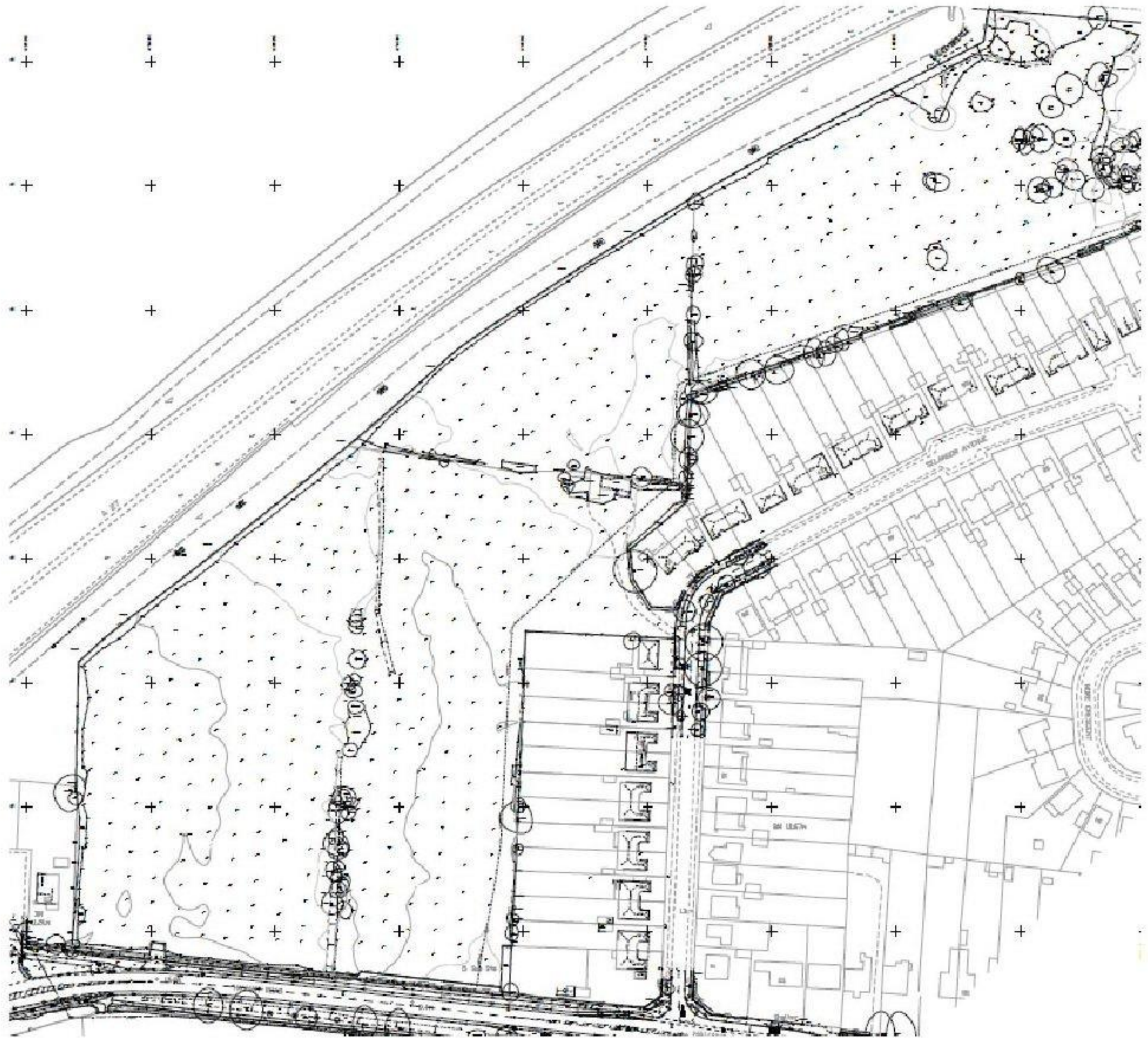
The site comprises approximately 6.1 hectares. It is bounded to the north by the A27 Havant Bypass and the Havant to Chichester railway line. To the east the site is bounded by houses fronting on to Selangor Avenue, to the south by Havant Road, and to the west by a small collection of houses. Figure 1 shows an overview of the site.

The development consists of the provision of 161 proposed dwellings with associated parking, access, landscaping, surface water drainage, pumping station and an electrical sub-station.

A topographical survey has been undertaken to determine the extent of existing utility services within the site boundary. The topographical survey has determined that there is an existing 406mmØ cast iron high pressure strategic gas main routed across the eastern boundary of the site, as shown in Figure 2.



Figure 1 – Land at Havant Road, Emsworth site overview



2. Water Infrastructure

The mains water infrastructure is operated by Portsmouth Water. There are two 8" cast iron water mains routed along Havant Road (A259), as shown in Figure 3.

The new incoming water supply to the development will be taken from one of these existing 8" cast iron water main routed along Havant Road (A259).

Initial correspondence has been received from Portsmouth Water confirming the existing water distribution network has sufficient capacity to serve the development.

The existing 8" cast iron water main routed along Havant Road will be diverted/lowered to accommodate the entrance to the development.

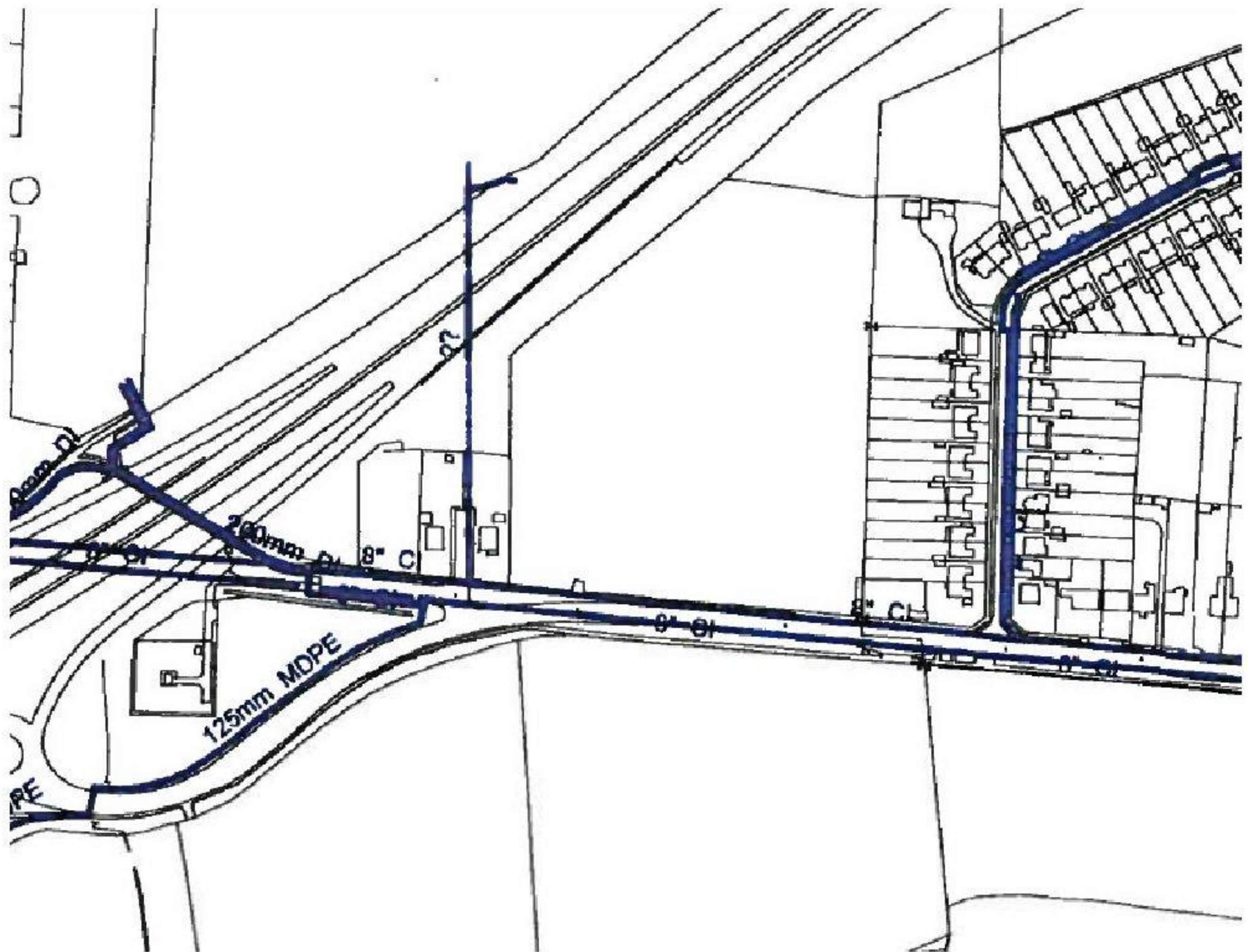


Figure 3 – Portsmouth Water infrastructure

3. Natural Gas Infrastructure

There is a 12" $\varnothing$ cast iron low pressure gas main routed along Havant Road (A259) which is provided by Southern Gas Networks, as shown in Figure 4.

There is an existing 406mm $\varnothing$ cast iron Portsdown Hill to Apualdram high pressure strategic gas main routed across the eastern boundary of the site. Southern Gas Network have been involved with a pipework replacement programme associated with this existing 406mm $\varnothing$ cast iron high pressure strategic gas main. The pipework has been replaced in its entirety with the a new 406mm $\varnothing$ steel pipework with an increased wall thickness. The replacement pipework has been installed along the same route as the existing pipework. The replacement of the high pressure strategic gas main has assisted in removing the risk zone associated with the existing dwellings on Selangor Avenue. The necessary easements required by Southern Gas Networks around the replacement high pressure strategic gas main have been allowed for within the proposed development layouts.

The proposed dwellings will each be provided with a new incoming low pressure gas supply for heating and cooking purposes.

The new incoming low pressure gas supply to the development will be taken from the existing 12" $\varnothing$ cast iron low pressure gas main routed along Havant Road (A259). Initial discussions with Southern Gas Networks has determined that the existing low pressure gas main distribution network routed along Havant Road (A259) has sufficient capacity to serve the development.

The existing 12" $\varnothing$ cast iron low pressure gas main routed along Havant Road will be diverted/lowered to accommodate the entrance to the development.

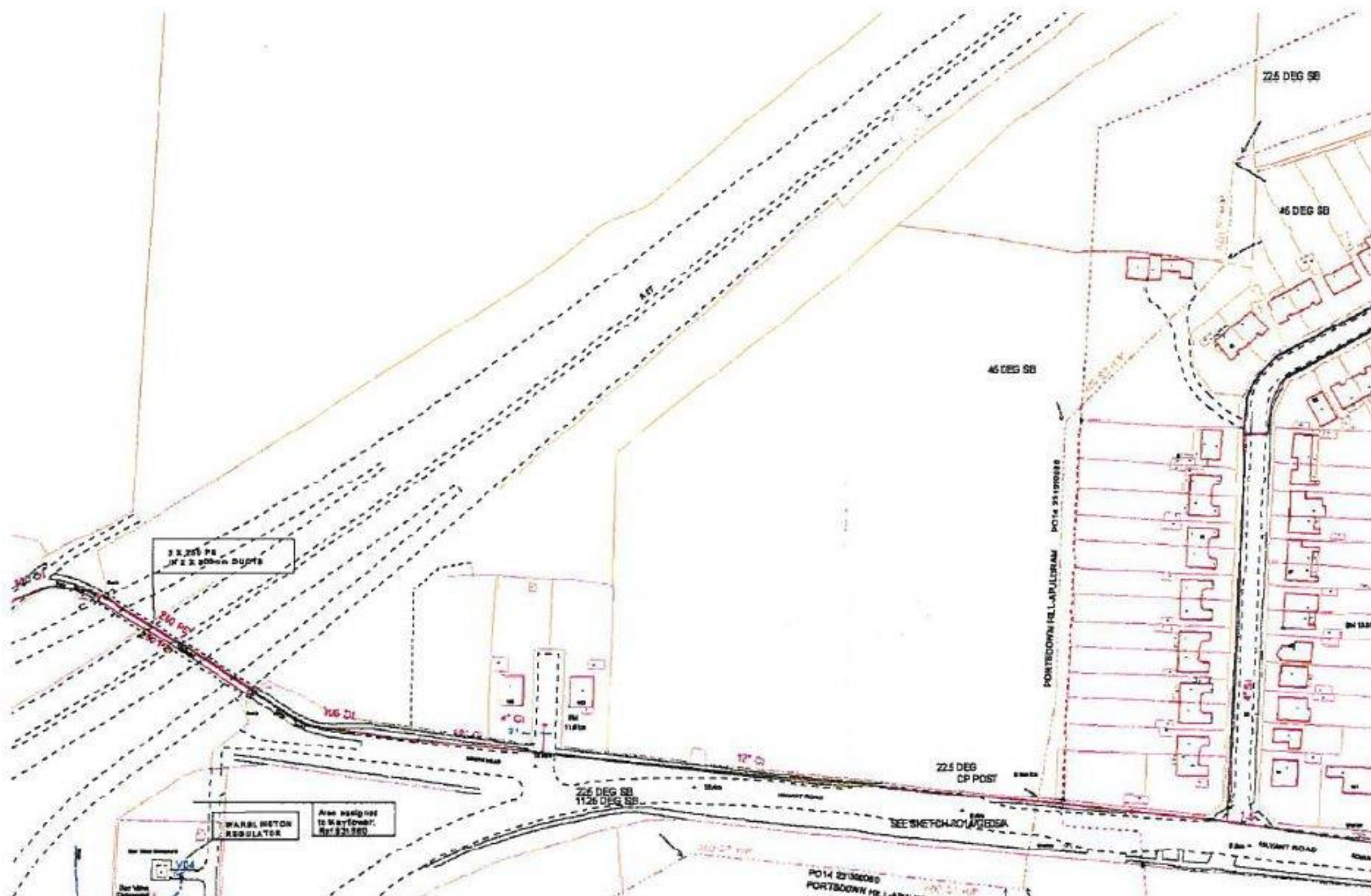


Figure 4 – Scotia Gas Networks low pressure natural gas infrastructure

4. Electrical Infrastructure

There is existing high voltage (HV) and low voltage (LV) electrical infrastructure currently within the vicinity of the proposed development provided by Scottish and Southern Energy, as shown in Figure 5 and Figure 6.

The new incoming electrical supply to the development will be taken from the existing HV network (11kV) routed along Havant Road (A259).

Initial discussions with Scottish and Southern Energy has determined that the existing HV network (11kV) routed along Havant Road (A259) has sufficient capacity to serve the development. A new sub-station will be incorporated on the development to provide the electrical supply to the dwellings, as shown in Figure 7.

New street lighting will be provided to the adoptable and private roads. The LV electrical supply to the street lighting will be served from the new sub-station.

The existing HV and LV electrical supplies routed along Havant Road will be diverted/lowered to accommodate the entrance to the development.

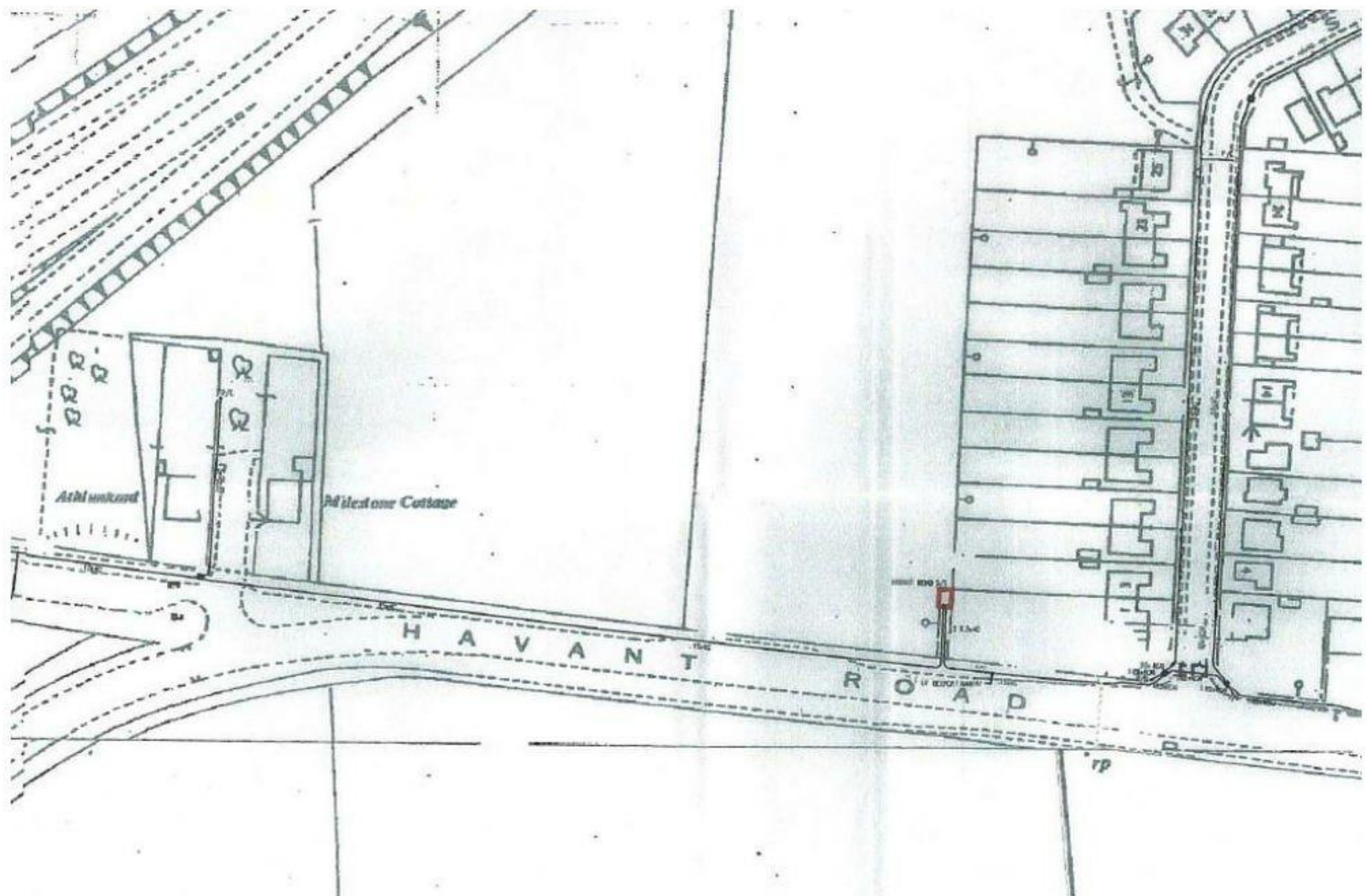


Figure 5 – Scottish and Southern Energy Electrical Infrastructure – High Voltage

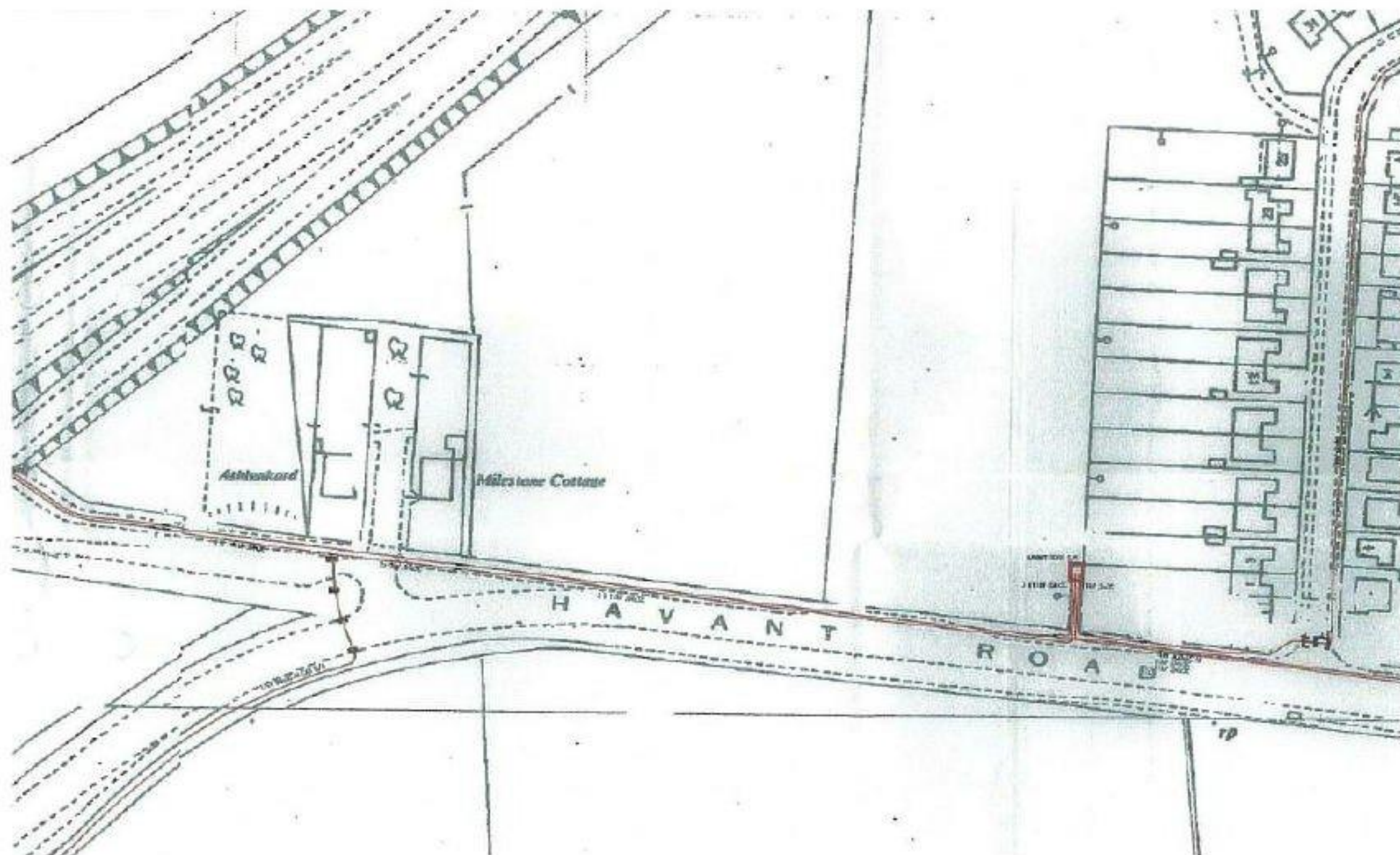


Figure 6 – Scottish and Southern Energy Electrical Infrastructure – Low Voltage



Figure 7 – Proposed Location of Scottish and Southern Energy Sub-Station

5. Telecommunication Infrastructure

There is existing telecommunication infrastructure within the vicinity of the proposed development.

The new incoming telecommunication infrastructure to the development will be taken from the existing telecommunication infrastructure routed along Havant Road (A259).

Providing a telecommunication infrastructure to the development would be subject to a British Telecommunication (BT) site inspection and survey. Any engagement with BT Openreach would be subject to planning permission being granted.

The existing telecommunication infrastructure and associated apparatus routed along Havant Road will be diverted/lowered to accommodate the entrance to the development.