

# Technical design note

Project name	Parc Pelenna		
Design note title	Utilities Statement		
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## 1. Introduction

This document serves to review and summarise the existing utilities near the proposed Parc Pelenna site; see Figure 1 below.



Figure 1: Proposed Parc Pelenna Site Plan



Figure 2: Satellite Image Showing Proposed Site Location

## 2. Utilities Proposals

### 2.1 Electrical Supply - National Grid

As indicated by the utility maps, found in Figure 3 and Figure 4, there are 2 No 11kV overhead cables that are in the vicinity of the site. The cable presented in Figure 4, runs approximately through the proposed cabin areas of the site. Figure 3 indicates that a cable runs adjacent to the B4434 and could pass over the proposed access road. Viability of connection will be impacted by potential load of the site, with further information on site services to be developed at the next design stage.

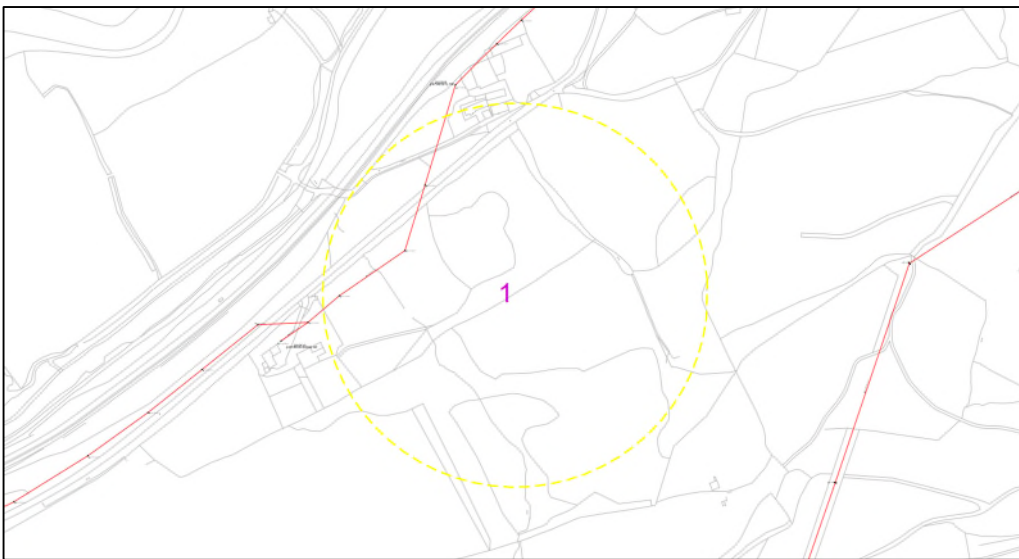


Figure 3: Existing National Grid Infrastructure near Access Road

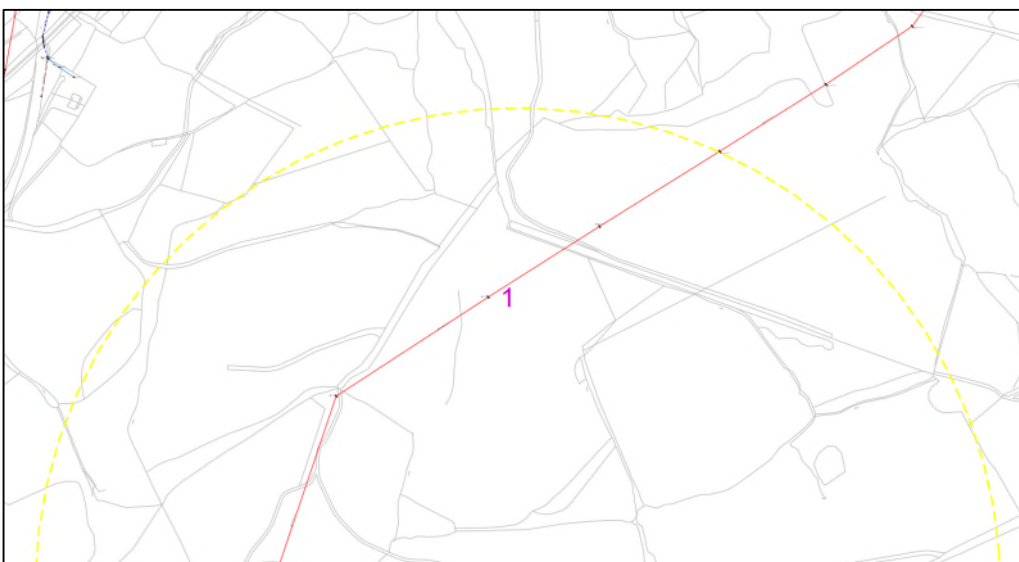


Figure 4: Existing National Grid infrastructure through Cabin Area

## 2.2 Water - Dwr Cymru Welsh Water

Utility maps indicate the closest mains water supply (circa 450mm nominal diameter) runs under or adjacent to the B4434 as indicated in Figure 5. DCWW shall be engaged with to determine the suitability of connecting onto this existing main to serve the proposed development.

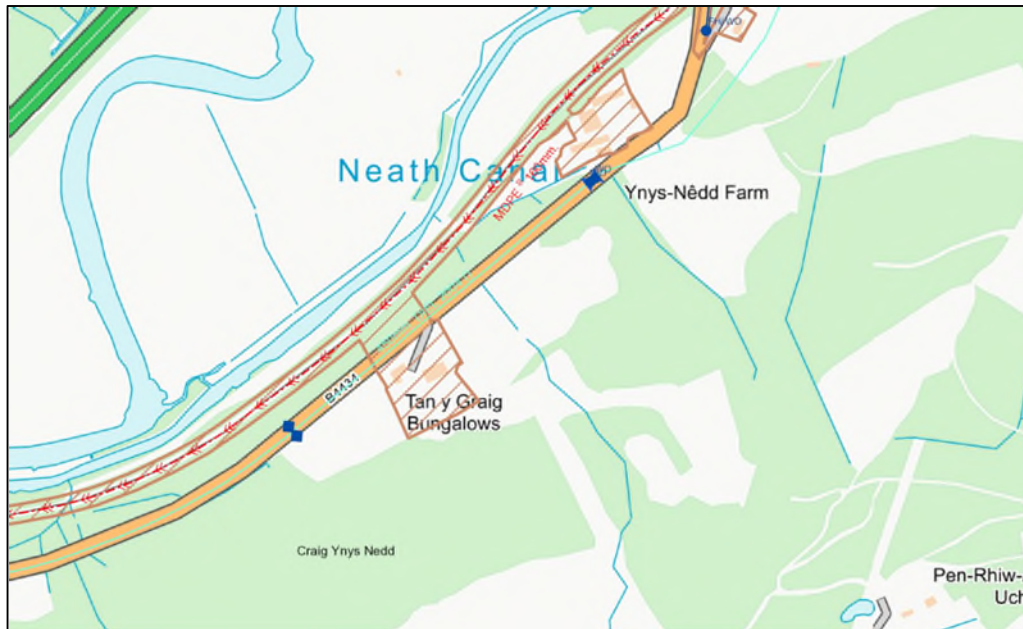


Figure 5: Existing Welsh Water asset map (blue line indicate mains water)

## 2.3 Natural Gas - Wales & West Utilities

Utility maps indicate that mains gas supply runs under or adjacent to the B4434 and the pipe is classified as medium pressure (350mbar-2bar), see Figure 6. Proposed services of site will be needed to confirm whether gas supply is a requirement. If gas supply is necessary, load assessment and contact with WWU needed to confirm viability with proposed site connections.

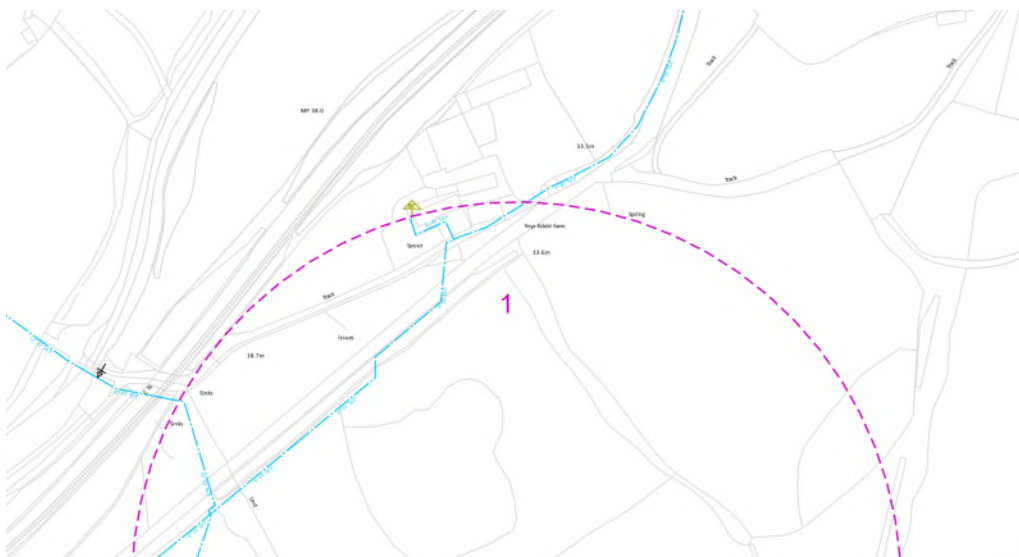


Figure 6: Existing Wales & West Utilities gas infrastructure map

