T-LEVELS | Institute for Apprenticeships & Technical Education

T Level Technical Qualification in Onsite Construction (8711-30)

8711-033 Employer-Set Project

Project Brief

Summer 2022

City & Guilds | eal

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Project brief

1.1. The employer

Longforth Developments are a well-established developer in new build projects and in particular new housing developments.

1.2. Introduction

Figure 1 shows the proposed layout of the various phases of a large new build development and plans for the developments are being reviewed to ensure they meet national design standards and current regulations.

The review should consider the potential for amendments to include further sustainability measures and renewable technologies and be able to respond to the latest government proposals. The plot that is outlined in red is phase 1 of the development and the blue outline shows the extent of the development. The existing river follows the line of the hedgerow towards the bottom right of the picture.

Figure 1

The original site has previously been set aside as farmland but has been adopted by the local authority and redefined as suitable for housing development. It is proposed that 2000 homes and other infrastructure will be built on the land area over the next 10 years.

There is a history of some flooding on parts of the land due to proximity to various watercourses. Consideration will need to be given when planning the layout to incorporate measures to combat any increased risk of flooding.

1.3. The project

The latest government consultation on the Future Homes Standard proposes changes to Building Regulations Part F (Ventilation) and L (Conservation of Power). In addition, the government's Zero Carbon Plan will require a greater use of renewable technologies to be incorporated into new housing developments.

You have been employed as a member of the project team to undertake a review of the proposed plans in relation to current regulations, design considerations and sustainability features. The images below show a typical housing type.

You will need to consider:

- What measures might need to be taken to meet the new building standards.
- What renewable technologies could be incorporated to better meet the zero carbon targets in the future.
- Housing Type showing typical exterior view figure 2, interior layout figure 3 and access roads figure 4 to a small section of the overall development.

Figure 2

Ground

First

Figure 3

Figure 4

The numbers on the site plan relate to plot numbers and their attached driveway, garage or parking space.

Get in touch

City & Guilds Technicals Quality Team

We are here to answer any queries you may have regarding your T Level Technical Qualification delivery.

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