



General Notes:

- DO NOT USE THIS DRAWING IN ISOLATION. This drawing has been prepared as part of a set and must therefore be read in conjunction with all other drawings. Any amendments must be requested by the engineer prior to commencing works.
- Third party information to be used to prepare the engineering design (including architectural layout, ground investigation, existing utilities records, and specialist design firms). The engineering design must therefore be read in conjunction with all third party information prior to commencing work. Queensberry Design Ltd are not responsible for any third party information or errors.
- House type working drawings are to be used in conjunction with the setting out drawings.
- Drawings shall remain preliminary until full technical approval is received from local authority and engineering consultant. Risks associated with technical approval are done on site and may be subject to change.
- The contractor is expected to prepare appropriate construction method statements for all aspects of appointed work. This should include any temporary protection works.
- Land drainage is not permitted to discharge into the public sewer network. Any need for land drainage should be assessed by the ground master and contractor during construction and placement of gullies on an individual job basis. If land drainage works are required, they should be approved prior to commencement.
- The contractor is expected to cross check all drainage items prior to commencing work. The area involves consideration of the following:
 - All highway works to be carried out in accordance with the current local authority design guide and specification.
 - All excavations below proposed existing highways to be back filled with Granular Type 1 sub-base and well compacted to ensure not exceeding 150mm unless otherwise agreed.
 - Highway authority to be notified by the contractor prior to the commencement of works.

Adoptable Drainage

- Adoptable drainage works to be in accordance with the water authorities publication "Sewers For Adoption (5th Edition)" issued as the approved drawing.
- Precast concrete manhole rings to comply with the relevant provisions of BS5911: Part 300.
- All inlets to be Class 4 engineering complying with the relevant provisions of BS 3021. Concrete blocks may be used if their specification is the same as Class 4 engineering blocks. Please seek approval from relevant water authority before using.
- Manhole covers and frames shall comply with the relevant provisions of BS EN 124 and be of a non-slip, non-sounding design.
- Labels that are required in Type A manholes are to comply with "Sewers For Adoption (5th Edition)".
- Covercote must be either C31 sulphate resistant Portland cement with high strength concrete topping to the bedding, or C35 ordinary Portland cement.
- 150mm Concrete amount is required around pipes where the depth from finished surface to top of pipe is less than 150mm. This may be reduced to 100mm with open joints.
- The location of existing drainage that will be shown in the proposed drawings, which is not to be altered, should be confirmed by the contractor and reported to the developer in accordance with the drawings on the engineering layout and that no proposed works are affected.
- The position, line and diameter of an existing drainage apparatus should be confirmed on site prior to the commencement of the works. Any discrepancies must be reported to the engineer immediately.
- Roads and assess contractor must inform water authority prior to works commencing.

Existing Services

Any existing services which may be affected by the proposed works should be located by means of a hand dig or close liaison with the statutory services authority. The contractor shall inform the developer of any services that are affected by the proposed design. Contractor to notify statutory services authorities prior to commencement of work.

As Constructed Information

- Position/coordinates of all adoptable manholes.
- Level and cover levels of all adoptable manholes.
- Tree gully positions and coordinates.
- Position and depth of service ducts for water, gas, electric, BT, cable and street lighting, setting lines and number of ducts.

Rev A: PSV and abrasion values added to roundabout surfacing sections. KJH 10/07/15

PRELIMINARY

Client: **Barratt Homes & Taylor Wimpey**
 Project: **Luke's Lane, Monkton Phase 2**
 Document: **Road construction details 2 of 2**

Scale: **1:25@A0** Date: **June 2015**
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