



General Notes:

A. 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 discrepancies must be reported to the engineer prior to commencing work.

B. The party responsible is to ensure the engineering design includes, without limitation, ground investigation, existing utilities records, and specialist design items. 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 details.

C. These site working drawings are to be used in conjunction with the plot setting out drawings.

D. Drawing status will remain preliminary until full technical approval is received from local authority and sewerage undertaker. Work commencement prior to technical approval are done at the client's risk and may be subject to change.

E. The contractor is expected to prepare appropriate construction method statements for all aspects of appointed work. This should include any temporary protection works.

F. Land drainage is not permitted to discharge into the public sewer network. Any need for land drainage should be assessed by the ground worker and landscaper during construction and placement of gardens on an individual plot basis. If land drainage designs are required, they should be appointed prior to plot completion.

G. The contractor is expected to cross check all drainage inverts prior to commencing work. This may involve completion of test holes if invert levels have been misreported.

Highways:

1. All highway works to be carried out in accordance with the current local authority design guide and specification.

2. All excavations below proposed and existing highways to be back filled with granular Type 1 sub-base and well compacted to layers not exceeding 150mm, unless otherwise agreed.

3. Highway authority to be notified by the contractor prior to the commencement of works.

Adoptable Drainage:

1. All adoptable drainage works to be in accordance with the water authorities publication - "Seams For Adoptable ED88" issued as approved drawings.

2. Precast concrete manhole steps to comply with the relevant provisions of BS5911: Part 2.

3. All inlets to be Class E engineering complying with the relevant provisions of BS 5911: Part 2. Concrete inlets must be used if their specification is the same as Class E engineering blocks. Please seek approval from relevant water authority before using.

4. Manhole covers and frames shall comply with the relevant provisions of BS EN 124 and be of a non-slip, non-splashing design.

5. Ladders that are required in Type A manholes are to comply with "Seams For Adoptable ED88".

6. Concrete must offer C20 minimum minimum Portland cement with high strength concrete topping to the kerbside, or C15 ordinary Portland cement.

7. 150mm concrete curbs to be required around pipes where the depth from finished surface to top of pipe is less than 125mm. This may be reduced to 50mm where open space.

8. The location of existing drainage pits to be noted close proximity to the proposed works, which are not to be disturbed, should be confirmed by the contractor and reported to the engineer to ensure a correspondence to that shown on the engineering layout and that no proposed works are affected.

The position, line and diameter of all existing drainage apparatus should be confirmed on site prior to the commencement of the works. Any discrepancies must be reported to the engineer immediately.

The connection of land and surface water drainage to the existing public sewer system shall be subject to the approval of the local sewerage undertaker. The contractor is expected to apply for relevant permits prior to commencing the work.

Roads and sewers 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 in close liaison with the relevant service authorities. The contractor shall inform the developer of any services that may affect the proposed design. Contractor to notify statutory service authorities prior to commencement of work.

As Constructed Information:

It is the contractor's responsibility to provide the following as constructed drawings to the developer upon the completion of the works covered by the contract:

1. Position/coordinates of all adoptable manholes.
2. Invert and cover levels of all adoptable manholes.
3. New pipe positions and connections.
4. Position and depth of service ducts for water, gas, electric, BT, cable and street lighting, stating size and number of ducts.

Scale 1:500@A0

Revision

Checked By

QD1081-03-02

PRELIMINARY

Title: **Barratt Homes & Taylor Wimpey Luke's Lane, Monkton Phase 2 Road Contours**

Scale: **1:500@A0** Date: **July 2015**

Drawn by: **MDA** Email: **matthew.alexander@queensberrydesign.co.uk**

Revision: **QD1081-03-02** Checked By: **-**

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