



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 discrepancies must be reported to the engineer prior to commencing works.
- Third party information is used to prepare the engineering design (including, without limitation, ground investigation, existing utility records, and specialist design services). 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.
- These type working drawings are to be used in conjunction with the job setting out drawings.
- Drawing details will remain preliminary until technical approval is received from local authority and sewerage undertaker. Works connected prior to technical approval are done at the risk and may be subject to change.
- The contractor is expected to prepare appropriate construction method statements for all aspects of appointed work. This includes 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 worker and discussed during construction and agreement of plans on individual job basis. If such drainage measures are required, they should be approved prior to job completion.
- The contractor is expected to cross check all drainage inverts prior to commencing work. This may involve completion of trial holes if invert levels have been interrupted.

Highways

- All highway works to be carried out in accordance with the current local authority design guide and specifications.
- All excavations below proposed and existing highways to be back filled with granular Type 1 sub base and well compacted in layers not exceeding 150mm, unless otherwise agreed.
- Highway authority to be notified by the contractor prior to the commencement of work.

Adoptable Drainage

- All adoptable drainage works to be in accordance with the water authorities publication "Sewers For Adoption 6th Edition" based on the approved drawings.
- Precast concrete manhole steps to comply with the relevant provisions of BS5911: Part 205.
- All inlets to be Class B engineering complying with the relevant provisions of BS 3921. Concrete inlets require use of that specification in the same as Class B engineering inlets. Please seek approval from relevant water authority before casting.
- Manhole covers and frames shall comply with the relevant provisions of BS EN 124 and be of a non-slipking, non-marking design.
- Lighting that are required in Type A manholes are to comply with "Sewers For Adoption 6th Edition".
- Concrete must be either C20 substitute material Portland cement with high strength concrete keeping to the boundary of C20 substitute Portland cement.
- 150mm Concrete manholes is required around pipes where the depth from finished surface to soffit of pipe is less than 1200mm. This may be reduced to 900mm with open space.
- The location of existing drainage that will be close proximity to the proposed site works, which is to be diverted, should be confirmed by the contractor and reported to the developer to ensure it corresponds to that shown on the engineering layout and that no proposed works are affected.

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

The location of foul 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 notify relevant parties prior to commencing the work.

Existing Services

Any existing services which may be affected by the proposed works should be located by means of a hand dig to show below with the existing sewerage undertaker. The contractor shall inform the developer of any services that may affect the proposed design. Contractor to notify utility services 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 -
 - Final coordinates of all adoptable manholes.
 - Invert and cover levels of all adoptable manholes.
 - New gully positions and connections.
 - Position and depth of service ducts for water, gas, electric, BT, cable and street lighting, setting size and number of ducts.

Drawing Status

PRELIMINARY

Title
Barratt Homes & Taylor Wimpey
Luke's Lane, Monkton Phase 2
Road construction details 1 of 2

Scale
1:25@A0

Date
June 2015

Drawn by
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QD1081-06-01

Revision
-

Checked By
-

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