



General Notes:

1. A DO NOT USE THIS DRAWING IN ISOLATION. This drawing has been prepared as part of a set and must be read in conjunction with all other drawings. Any discrepancies must be referred to the engineer prior to commencing work.
2. The party information is used to prepare the engineering design including, but not limited to, ground investigation, existing utilities records, and available design forms. The engineering design must therefore be read in conjunction with all other party information prior to commencing work. Quaternary Design Ltd are not responsible for any third party information or data.
3. These site working drawings are to be used in conjunction with the plot setting out drawing.
4. Drawing status will remain preliminary until full technical approval is received from local authority and sewerage undertaker. Works commencing prior to technical approval are done at the client's risk and may be subject to change.
5. The contractor is expected to prepare appropriate construction method statements for all aspects of approved work. This should include any temporary protection works.
6. 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 gullies on or in final plot levels. If land drainage designs are required, they should be approved prior to plot completion.
7. 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 interpolated.

Highways:

1. All highway works to be carried out in accordance with the current local authority design guide and specifications.
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 - 'Sewers For Adoption 6th Edition' issued as approved drawings.
2. Precast concrete manhole steps to comply with the relevant provisions of BS5111: Part 1.
3. All manholes to be Class E engineering complying with the relevant provisions of BS5111: Part 1. Concrete blocks to be used if their specifications in the same Class E engineering code. 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 'Sewers For Adoption 6th Edition'.
6. Gullies must be either C25 substitute resistant Portland cement with high strength concrete lining to the landing, or C30 equivalent Portland cement.
7. 150mm concrete summs to be required around gullies where the depth from finished surface to the top of the gully is less than 120mm. This may be reduced to 90mm within open space.
8. The location of existing drainage to be within close proximity to the proposed site works, which will be checked during construction by the contractor and reported to the developer by means of a report to that effect. Remedial actions required to that effect are to be carried out prior to the commencement of works. Any discrepancies must be reported to the engineer immediately.

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.

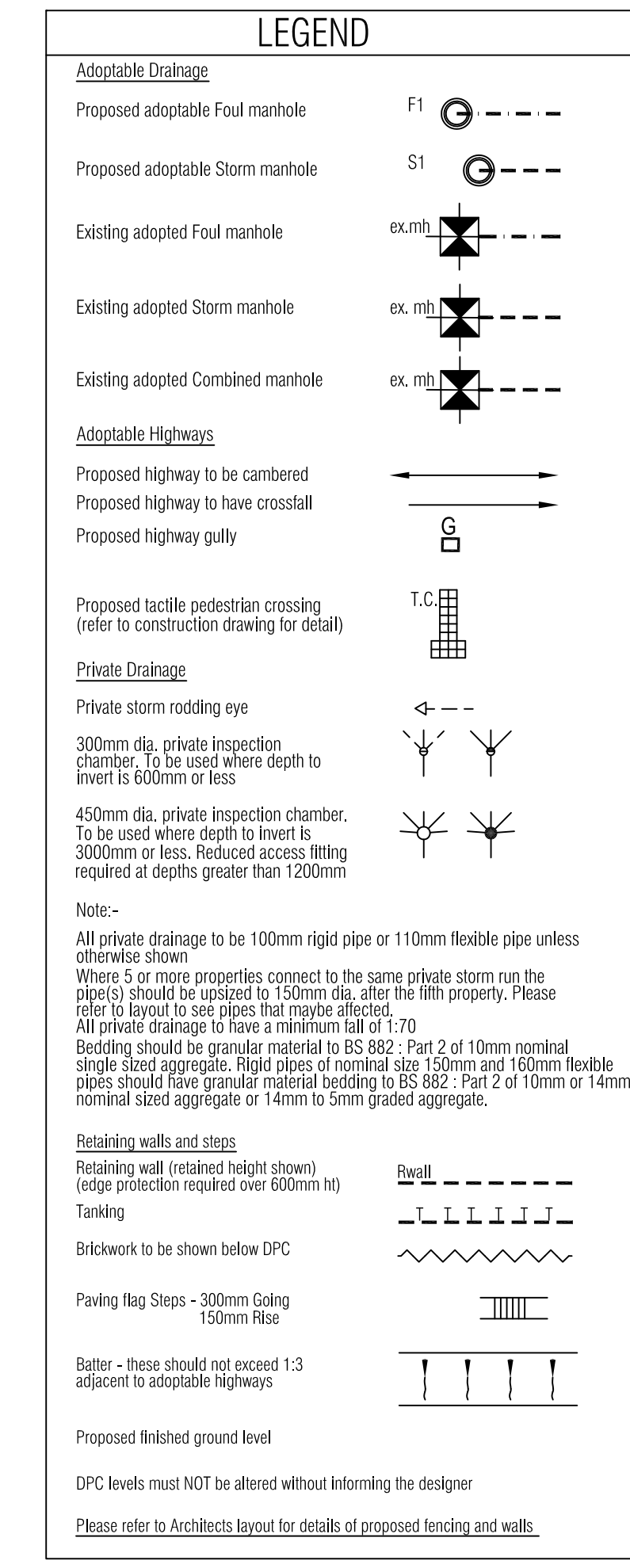
The correction of foul and surface water drainage to the existing public sewer system shall be subject to the approval of the relevant authority. The contractor is expected to apply for relevant permits prior to commencing work.

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 is responsible for the location and recording of all services. The contractor is responsible for notifying any statutory service authorities prior to commencement of work.

As Constructed Information:

1. The contractor is responsible for providing 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. Invert and cover levels and coverings of all private manholes.
4. Position and depth of service ducts for water, electric, BT, cable and street lighting, stating size and number of ducts.



Existing Services:

Please refer to any existing service information shown on the drawings is interpolated from existing records and is meant for reference only. Please refer to the individual service providers existing records for full information and health and safety guidance for locating apparatus.

Street lighting design to be provided by Balfour Beatty. Details to be added to drawing when they are available

PRELIMINARY

Title: **Barratt Homes & Taylor Wimpey Luke's Lane, Monkton Phase 2 Section 38**

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

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QD1081-16-01 Revision: **-** Checked By: **-**

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