

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

3. Highway authority to be notified by the contractor prior to the

Adoptable Drainage

1. All adoptable drainage works to be in accordance with the water authorities publication - "Sewers For Adoption 6th Edition" aswell as

2. Precast concrete manhole rings to comply with the relevant

3. All brickwork to be Class B engineering complying with the relevant provisions of BS 3921. Concrete bricks maybe used if their specification is the same as Class B engineering bricks. 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-rocking, non-ventilating design.

5. Ladders that are required in Type A manholes are to comply with "Sewers For Adoption 6th Edition".

6. Concrete must be either C20 sulphate resistant portland cement with high strength concrete topping to the benching or C35 ordinary

7. 150mm Concrete surround is required around pipes where the depth from finished surface to soffit of pipe is less than 1200mm. This may be

proposed site works, which is not 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

9. Roads and sewers contractor must inform water authority prior to

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 statutory 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

It is the contractors responsibility to provide the following as constructed drawings to the developer upon the completion of the

1. Position/co-ordinates of all adoptable manholes. 2. Invert and cover levels of all adoptable manholes. 3. New gully positions and connections. 4. Position and depth of service ducts for water, gas, electric, BT, cable

Until technical approval has been obtained from the relevant Authority, it should be understood that all drawings issued are Preliminary and NOT construction. Should the contractor commence site work prior to such approval being given, it is entirely at his own risk.

Section 104 Legend		
Section 10	- Legena	
Denotes Adoptable Storm		
Denotes Adoptable Foul		
Denotes Site Boundary		
Denotes Sewer Easement		

LEGEND Adoptable Drainage Proposed adoptable Foul manhole Proposed adoptable Storm manhole Existing adopted Foul manhole Existing adopted Storm manhole Existing adopted Combined manhole Existing adopted Storm manhole to be abandoned ex. mh Proposed highway to be cambered Proposed highway to have crossfall Proposed highway gully Proposed tactile pedestrian crossing Private Drainage Private storm rodding eye 450mm dia. private inspection chamber. To be used where depth to invert is 3000mm or less. Reduced access fitting required at depths greater than 1200mm All private drainage to be 100mm rigid pipe or 110mm flexible pipe unless otherwise shown Where 5 or more properties connect to the same private storm run the plpe(s) should be upstzed to 150mm dla. after the fifth property. Please refer to layout to see pipes that maybe affected.
All private drainage to have a minimum fall of 1:70 Bedding should be granular material to BS 882 : Part 2 of 10mm nominal single sized aggregate. Rigid pipes of nominal size 150mm and 160mm flexible pipes should have granular material bedding to BS 882 : Part 2 of 10mm or 14mm nominal sized aggregate or 14mm to 5mm graded aggregate. Retaining walls and steps

Retaining wall (retained height shown). (edge protection required over 600mm ht) Rwall _____

Brickwork to be shown below DPC Paving flag Steps - 300mm Going

Batter - these should not exceed 1:3 adjacent to adoptable highways

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Proposed finished ground level DPC levels must NOT be altered without informing the designer Please refer to Architects layout for details of proposed fencing and walls

Rev E - Easement added adjacent S10 at clients request. JM 27 04 15
Rev D - Footpath amended fronting plot 12. Existing sewer 6981 annotated as to be abandoned. JM 09 01 15
Rev C - Drawings status revised to approved HR 25 11 14
Rev B - Section 104 updated to current architect layout. JM 25 09 14
Rev A - Gully position revised at site access. JM 30 07 14.

APPROVED

Bellway Homes Former South Tyneside College Mill Lane, Hebburn Section 104

scale	Date
1:500 A1	June 2014
Drawn by JM	e-mail james.mason@queensberrydesign.co.uk

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