

LEGEND Adoptable Drainage Proposed adoptable Foul manhole Proposed adoptable Storm manhole Proposed adoptable Combined manhole Existing adopted Foul manhole Existing adopted Storm manhole Existing adopted Combined manhole Existing adopted Storm manhole to be abandoned ex. mh Adoptable Highways Proposed highway to be cambered Proposed highway to have crossfall Proposed highway gully Proposed tactile pedestrian crossing Private Drainage 300mm dia. private inspection chamber. To be used where depth to invert is 600mm or less 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 pipe(s) should be upsized to 150mm dia. 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) Brickwork to be shown below DPC -^^ Paving flag Steps - 300mm Going Batter - these should not exceed 1:3

Rev I - First off manhole cover levels revised to new back of footpath levels. JM 24 06 15 Rev H - Service duct location overlaid as requested by client. JT 23 06 15 Rev G - Adoptable drainage revised. Combined outfall added. S10 invert revised. Street lighting revised. Hydrobrake spec revised. JM 04 06 15

Rev F - Road 3a revised to crossfall and gullies amended. Revised site layout added with amendments to VP's. JM 19 05 15 Rev E - Sub station removed. Footpath amended fronting plot 87. JM 21 02 15

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 D - Lighting column locations added. Steps added fronting plots 10-12. Batter revised to gable of plot 12. Steps omitted to adoptable to footpath fronting plot 12, footpath alignment revised. White lining added. Tactile crossing points added to Mill Lane. Existing sewer 6981 annotated as to be abandoned. JM 09 01 15. Rev C - Engineering updated to latest architect layout. Roads 1 and 4 revised to crossfall.

Rev B - Engineering design updated to current architect layout. JM 29 08 14 Rev A - Gully position revised at site access. JM 30 07 14.

PRELIMINARY

Bellway Homes Former South Tyneside College Mill Lane, Hebburn

Engineering Layout

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