

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 or design queries must be reported to the engineer prior to completion of tender and commencement of works. Following completion of rederf it as assumed that developer and contractor are In full agreement with the design drawings (with the exception of pre tender queries cold).
- contractor are in full agreement with the design drawings (with the exception of pre tender queries only).

 B. Third party information is used to prepare the engineering design including, architectural layout, 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.

- commencing work. Queensberry Design Ltd are not responsible for any third party information or details.

 C. House type working drawings are to be used in conjunction with the plot setting out drawing.

 D. Drawing status will remain preliminary until full technical approval is received from local authority and severage undertaker. Works commenced prior to technical approval are done so at irsk and may be subject to change.

 E. The contractor is expected to prepare appropriate construction method statements for all aspected shappineted work. This should include any temporary protection? works.

 F. Land drainage is not permitted to discharge into the public sever network. Any need for land drainage should be assessed by the ground worker and landscaper chaining 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 commending work, this may involve completion of this floest inverted they have been interpolated.

 H. The contractor must monitor the "as build" progress of each construction to be checked before installation. For this reason the design of, floor levels, external works, retaining walls, and plot drainage are to be read as guidance only.

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 in layers not exceeding 150mm, urless 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" aswell as the approved drawings.

- 2. Precast concrete manhole rings to comply with the relevant provisions of BS5911; Part 200,

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

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

7, 150mm Concrete surround is required around pipes where the depth from finished surface to soffit of plpe is less than 1200mm. This may be reduced to 900mm within open space.

8. The location of existing drainage that is within close proximity to the 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 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 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 apply for relevant permits 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 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 commencement of work.

As Constructed Information
Refer to note H above, it is the contractors responsibility to provide the following as constructed drawings to the developer upon the completion of the works covered by the contract:

- Position/co-ordinates of all adoptable manholes.
 Invert and cover levels of all adoptable manholes.
 New gully positions and connections.
 New gully positions and connections.
 Position and depth of service ducts for water, gas, electric, BT, cable and street lighting, stating size and number of ducts.

V	REVISION	BY	DATE
	Hartleyburn Avenue Ghost markings reinstated Site Accesses Ghost Islands Provided Southern Junction relocated Tactile crossings added. Visibility plays updated, Hatching added to start of two right turn ghost sections.	KNH KNH KNH JE	11 01 17 20 01 17 03 03 17 27, 04 17
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PRELIMINARY

Miller Homes Victoria Road Hebburn

Road Markings 1

1:500 A3	Date November 2016 e-mall Ken.Hay@QueensberryDeslgn.co.uk		
Drawn by KNH			
Drawing no. QD1183-20-11	Revision D	Client Contract no.	

