



NOTES

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| <p>1. All pipes shall be either:</p> <p>A - Vitrified clay to BS EN 295 with a minimum crushing strength as follows :-
 150 dia - 40 kN/m
 225 dia - 45 kN/m
 300 dia - 72 kN/m</p> <p>B - PVC (certified to WIS 4-35-01 & BS EN 13476)</p> <p>C - Class 120 concrete to BS 5911-1:2002/EN 1916.</p> | <p>5. Manhole covers shall must have a clear opening of 600 and shall be class D400 to BS EN 124 with 150 deep frames in highways.</p> <p>6. Pipes entering manholes and road gullies shall have a flexible joint within 60 of the inside the manhole or gully joining with a short Rocker pipe.</p> <p>7. The adoptable sewers shall be a minimum of 1m and manholes 0.5m from kerb faces and service margins.</p> | <p>13. The chamber size of manholes with more than one connection in them may need to be increased an increment to accommodate the connections and bends.</p> <p>14. Cover levels are indicative only. Covers to be set to suit camber/gradient of existing and proposed roads.</p> <p>15. Cover slabs must carry the BSI Kitemark and will be rejected by Yorkshire Water Inspector. Where the clear opening of the Kitemarked product is different to that of the cover and frame, a leading bearing slab should be fitted above the cover slab to bring the size down to 600mm x 600mm for the Yorkshire Water specified cover size. Please refer to Concrete Pipe Systems Association (CPSA), 'Technical Bulletin' issued Autumn 2004 for Kitemarked cover slab operating sizes.</p> |
| <p>2. All pipes should always connect soffit to soffit unless noted otherwise.</p> <p>3. All sewers to have BSI kitemark status (certified to WIS 4-35-01 & BS EN 13476). Maximum pipe length to be 3m. Plastic channel sections in manholes are not acceptable. Clay channel sections shall be used.</p> | <p>9. All trenches in roads and paved areas shall be backfilled with Type 1 DOT granular sub-base material, or other granular material approved by the highway authority.</p> <p>10. Filled ground must be filled and consolidated under the supervision and to the satisfaction of Yorkshire Water before any sewer works are carried out.</p> | <p>16. All lateral sewers and drains to be 1500 VC unless noted otherwise.</p> |
| <p>4. Sewers to be laid in Class 'S' Bedding (150mm granular bed and surround). Where depth of cover to top of the sewer is less than 1.2m in highways and verges (or less than 900mm in none vehicle access areas) then a concrete slab should be provide above granular bed and surround.</p> | <p>11. All insitu concrete to be designed mix FND2 to BS 8500-1 unless agreed otherwise.</p> <p>12. The invert levels at the proposed points of connection to existing public sewers shall be checked before any new drains are constructed. Any variation to the levels shown on the drawing shall be notified to Eastwood & Partners immediately.</p> | <p>17. Yorkshire Water policy is that Type 'C' brick manholes and 1050mm dia manhole rings are not preferred. Instead it is preferred that you use a type 'B' manhole with 1200mm dia or 1500mm dia rings, with the opening sized over the channel where depth of cover to pipe soffit is 1 - 1.5m.</p> <p>18. Where a B125 cover and frame has been approved, this must not be coated in plastic and</p> |

- must have lifting eyes suitably sized to accommodate standard lifting keys. Screw down covers are not acceptable.
- All deliverable Europe works and material to be in accordance with "Code for Adoption". The relevant British Standards and Yorkshire Water's Standards/Requirements/Addendum to the Mechanical and Electrical Specification and Kitemarked.
- Yorkshire Water is not obliged to accept filter drainland drainage run-off into the public sewer network or to accept drainage system (directly or indirectly). An alternative method of disposal of this land drainage run-off will therefore be required and you will have to liaise with the Local Authority, Land Drainage Section with regard to the disposal of the filter drainland drainage run-off.
- Sulphate resistant cement (C20-DU2) and precast concrete products must be used or a laboratory report proving that such precautions are not necessary.
- Bedding and backfill material to conform to the requirement of Water Industry Specification 4-08-2 (Table A2).
- The clearance of the crossover points (min 300mm) between the surface water, foul sewers, rising main and other services should be sufficient clearance to provide 150mm surround of a certain man that exceeds this 300mm.

REV	DESCRIPTION	SIG	CHK	DATE
A	First Issue.			
B	Revised to suit latest site layout. Laterals amended to suit revised sewer levels. Notes updated to D&CG standards. YW ref added. Note ref FFLs added.	CTB	CH	18.06.2021
C	Buildout moved following comments from BMBC.	PWAH	CH	11.08.2021

DUCHY HOMES

MOUNT VERNON
WORSBOROUGH

PLOT DRAINAGE LAYOUT
SHEET 1 of 2

Eastwood & Partners
CONSULTING ENGINEERS

St. Andrew's House
23 Kingfield Road
Sheffield
S11 9AS
Tel 0114 255 4554
Fax 0114 255 4330

mail@eastwoodandpartners.com
www.eastwoodandpartners.com

SCALE WHEN PLOTTED AT A1

1:200

DATE
3.05.2

DRAWING STATUS

PRELIMINARY

DRAWING NUMBER
45521 / 115RE
C