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Status		Preliminary	
No.	Revision	Date	Drawn

- Key:**
- Site Boundary
 - Yorkshire Water Minimum 3m Easement
Either side of the centre line of the sewer
 - Adoptable Surface Sewer and Manhole
 - Adoptable Foul Sewer and Manhole
 - Existing Highway Sewers
 - Highway Drainage
 - THG Easement 3m shown from centreline

- All adoptable sewer works and material to be in accordance with Sewerage Sector Guidance Design and Construction Guidance [Code for Adoption]. The Relevant British/European and Yorkshire Water's Standards/Requirements/Local Practice for the Adoption of Small Submersible Foul and Surface Water Pumping Stations and must be Kitemarked.
- Manhole covers shall/must have a clear opening of 600mm and shall be Class D400 to BS EN 124 with 150mm deep frames in highways.
- Filled ground must be filled and consolidated under the supervision and to the satisfaction of Yorkshire Water before any sewer works are carried out.
- Yorkshire Water is not obliged to accept filter drain/land drainage run-off into the public sewer network or adoptable drainage system (directly or indirectly). An alternative method of disposal of the 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 drain/land drainage run-off.
- The adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
- Sewers must have 5 metres clearance from trees and hedges or the width of the canopy at mature height (also refer Design and Construction Guidance for restrictions on tree planting adjacent to sewers).
- 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-vehicular access areas) then a concrete slab should be provided above granular bed and surround.
- There must be enough clearance at crossovers to accommodate bedding to both pipes, approx. 300mm; if crossover is near the rocker then the clearance needed may be increased.
- Bedding and backfill material to conform to the requirement of Water Industry Specification 4-08-02 (Table A1).
- Adoptable plastic sewer pipes to be BSI Kitemarked (certified to WIS 4-35-01 and BS EN 13476). Adoptable plastic sewer pipes to be laid in maximum 3 metre lengths unless there is a specific operational need to lay longer lengths. Plastic channel sections in manholes are not acceptable and Yorkshire Water would prefer clayware channel in manholes.
- The minimum crushing strength for clay pipes should be as follows: 100mm dia. 40kN/m, 150mm dia. 40kN/m, 225mm dia. 45kN/m and 300mm dia. 72kN/m. The minimum crushing strength for concrete pipes should be - (Class 120 to EN 1916/BS5911-1 2002). Plastic pipes should conform to WIS 4-35-01 and BS EN 13476.
- Yorkshire Water policy is that brick manholes and 150mm dia. manhole rings are not preferred. Instead it is preferred that you use a type "B" manhole with 120mm dia, 150mm dia. or 150mm dia rings, with the opening sited over the channel where depth of cover to pipe soffit is 1 - 1.5m.
- Where a B125 cover and frame has been approved, this must not be coated in plastic and must have lifting eyes suitably sized to accommodate standard lifting keys. Screw down covers are not acceptable.



CONTACT

e: andy@dart-engineers.com
e: robt@dart-engineers.com
m: 07725281902
w: www.dart-engineers.com

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Wordsworth Property Developments & Together Housing

PROJECT

LONG LANE

DRAWING TITLE

FLOOD ROUTING PLAN

Drawn	Chkd	RT	Date	Scale
HD	RT		JULY 26	1/250
Sheet Size	Drawing No.		Revision	
A1	23590-DR-C-0113		P2	