



CDM Regulations 2015

As with the above regulations we are obliged to inform the Client of the responsibilities under section CHM 011, and residual risks that may be associated with the proposed works. The proposed works have been carried out with Health and Safety aspects given full consideration. The Client should be aware that the proposed works are not intended due to the very nature of this type of work, it is not possible to remove all the risks associated with the proposed works. The Client should be aware that we would also be expected to meet the Client's obligations to take all reasonable steps to ensure that the proposed works are carried out in a safe and sound manner. The Client should be aware that the proposed works may be subject to a safety policy as prescribed.

As the proposed works are not intended to be carried out in a manner in which they will deal with the elements of risk associated in this type of work and in particular those highlighted by CHM below, the Client should be aware that the proposed works are not intended to be carried out in a manner in which they will deal with the elements of risk associated in this type of work and in particular those highlighted by CHM below.

Guarding to edge of excavation to prevent people, materials and equipment falling into excavation.

Guarding of excavations outside of working hours to prevent and

Controlled access to excavation.

Underpinning to adjacent roads or structures.

Controlled access to excavation.

Dealing with existing services.

Traffic management and closing highways.

Procedure to follow in event of accident or emergency.

Control of access to excavation and control of access to site.

CHM 011, Confirmation will be required that all the operations are adequately planned and controlled.

The above list is by no means exhaustive but is highlighted to ensure that the Client is aware of the risks associated with the proposed works and that present a risk to contractors and the general public.

CIVIL DESIGN RISK MANAGEMENT
Abnormal or unusual residual risk associated with the design outcomes shown on this drawing are:

	Existing Services
	Working within existing highway and in areas where members of public may have access
	Deep excavation and danger of collapse to excavation - Risk to be assessed and managed by Contractor in accordance with HSE Guidance
	Construction works in vicinity of the watercourse Risk to be assessed and managed by Contractor in accordance with HSE Guidance

SURFACE WATER FLOW CONTROL INFORMATION: SW1.007 - HYDROBRAKE OPTIMUM REF: SHE-0349-8500-2500-8500 DESIGN FLOW - 85l/s DESIGN HEAD - 2.5m
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[illegible]

Legend

-  Site Boundary
-  Existing Combined Water
-  Proposed Surface Water
-  Proposed Foul Water
-  Proposed Highway Gully
-  Proposed Sewer Easement
-  Proposed 150mm Concrete Surround
(cover 1200mm – 850mm)
See note 17

PS	Updated to the new green line boundary and reaslope	12.01.21	86
P4	Easement Dimension, Flow Control Manhole Label and Road Name Added, NH SW 4,000 & 5,000 Levels amended	09.05.19	CF
P3	Pipe Material Added & Legend Updated	04.04.19	CF
P2	Issued for information	18.03.19	RBG
P1	Issued for information	12.03.19	AW
Rev	Description	Date	By

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Boothroyden Road, Middleton

Elan Homes

S104 Drainage Works
Drainage Layout

Drawn by AM	Date made 25/02/19	Scale @ A0 1:250	Checked by RBG	Suitability S2	CR Project 12828
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Project No.	Originator	Volume	Location	Type	Role	Number	Rev
12828	CRH	ZZ	XX	DR	C	5050	P5



Design based on Topographical Survey received from Survey Eng Ltd. in March 2019. Contractor is to scan the area prior to any excavation works in order to confirm the location and depth of existing services.