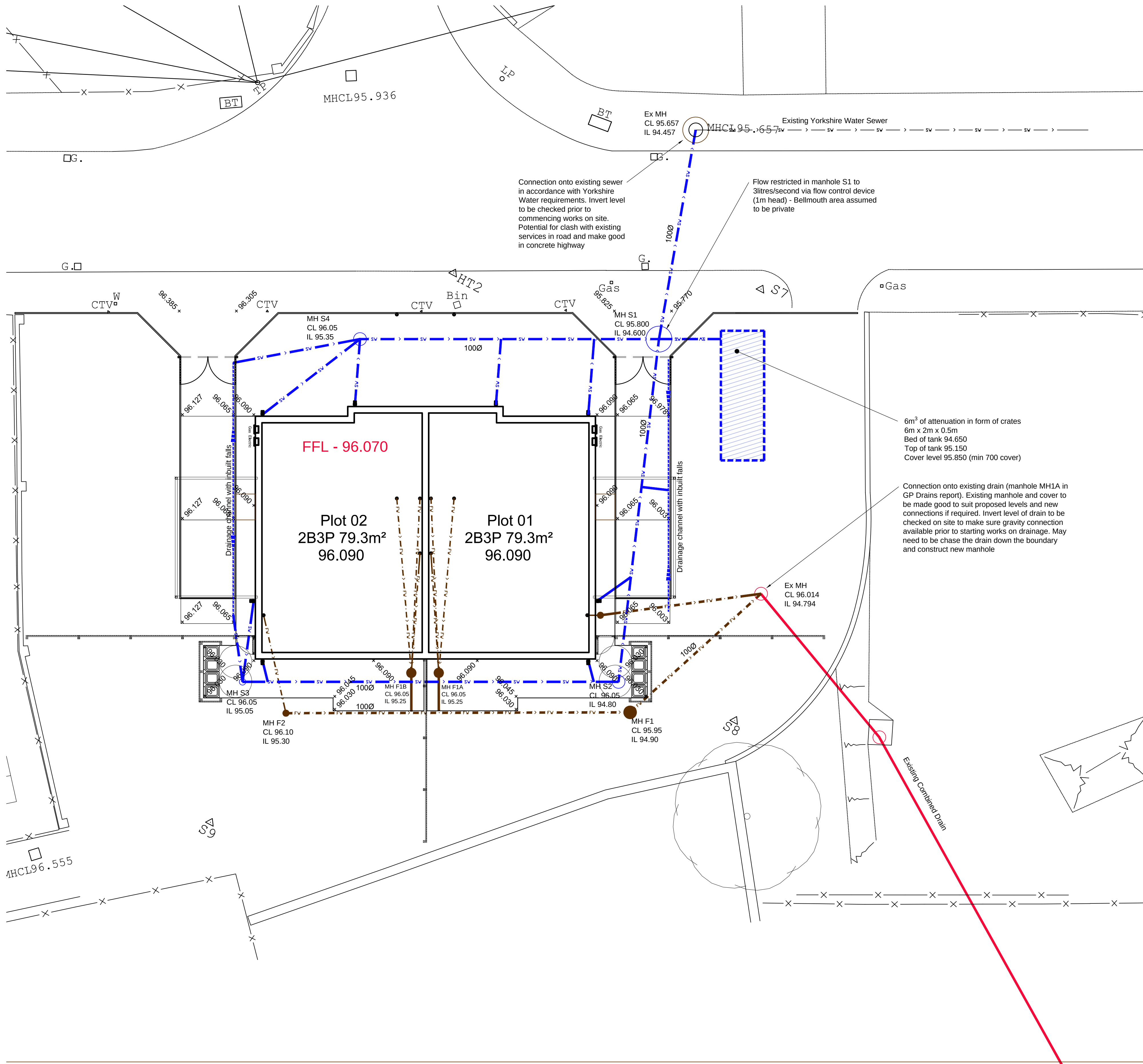


Do Not Scale



KEY

- PCC Manhole PPIC
SV SV Proposed S104 Surface water
- PCC Manhole PPIC
FV FV Proposed S104 Foul water
- PCC Manhole PPIC
SV SV Proposed Surface water
- PCC Manhole PPIC
FV FV Proposed Foul water
- Existing Combined water
- SV SV Proposed S38 Surface water
- Drainage Channel
- RG G Road Gully/Gully
- Site Boundary

DESIGN REVIEW				
Design review by:		Checked by:		
Residual hazards: 1. For general notes refer to drawing 002.				
DRAWING NOTES				
Health, Safety & Environmental Notes				
Drainage 1. This drawing should be read in conjunction with Adept specification for drainage works and any other subsequent additions to this list. 2. All building drainage works shall be carried out in accordance with the current British/European standards BS EN 752, the current building regulations and the local authority building control or NHBC specifications and requirements. 3. For external finished ground levels refer to architects external works drawing. 4. All private foul drainage to be 100Ø laid at a minimum gradient of 1 in 40, all private surface water drainage to be 100Ø laid at a minimum gradient of 1 in 60 unless otherwise noted. Pipework to be laid to inverts shown on schedule. 5. All junctions are to be done using a 'Y' junction to direct the flow in line with the main pipe. 6. All cover levels to manholes are approximate only and may be adjusted on site to tie in with Architects proposed levels. 7. Exact location of rainwater downpipes and all internal drainage points to be confirmed by Architect. Rainwater pipe outlets to be roddable. 8. For all setting out, dimensions and current site layout refer to Architects drawing. Do not scale from this drawing 9. Invert levels of all outfall points to be clarified prior to commencing drainage works. Position size and depth of all existing drains and services shall be established prior to commencement on site and any discrepancies reported to engineer. 10. The contractor shall allow for the protection, temporary and permanent support, and temporary and permanent diversion works, as necessary to all existing services 11. The contractor shall allow for all traffic management in connection with road and sewer works 12. The contractor shall allow for keeping trenches and excavations as dry as practicable by pumping from temporary sumps and dewatering as appropriate. The point and method of discharge to be agreed with the drainage authority and Environment Agency 13. Contractor to apply for sewer permits and road opening permits as necessary from the appropriate authorities, prior to commencing works. 14. At changes in pipe diameter Soffits to coincide unless noted otherwise 15. Wherever possible, drainage works are to commence at outfall and work Upstream. 16. Tree's should not be planted within 5m of adoptable sewers, where this is not possible due to planning conditions a suitable root barrier needs to be installed around any tree types that are within the prescribed restrictions as set out in Sewers for Adoption 6th Edition Figure 2.3. Where the Mature tree canopy will overhang the adoptable highway a suitable root barrier will be required to prevent damage to statutory undertakers equipment and the integrity of the highway construction.				
23.03.15	Site layout updated	JR	RP	P2
Feb 2015	Initial Issue	JR	RP	P1
Date	Revision	By	Chkd	Rev
<div><div>ADEPT Engineering Better Solutions Together</div><div>ice The Institution of Civil Engineers</div><div>HAS Health and Safety</div><div>INVESTORS IN PEOPLE</div></div> <div>Civil and Structural Consulting Engineers 14 Festoon Rooms, Sunny Bank Mill Farsley, Leeds LS28 5JL 85 Tottenham Court Road London, W1T 4TQ - Tel: 020 3287 6677</div>				
Project Langsett Road, Barnsley				
Title Proposed Drainage Layout				
Client Esh				
Scale @ A1	1:100	Drawn	JR	Checked RP
Date	Feb 2015	Status	Preliminary	
Drig. No.	00.15005/2/101	Rev.	P2	