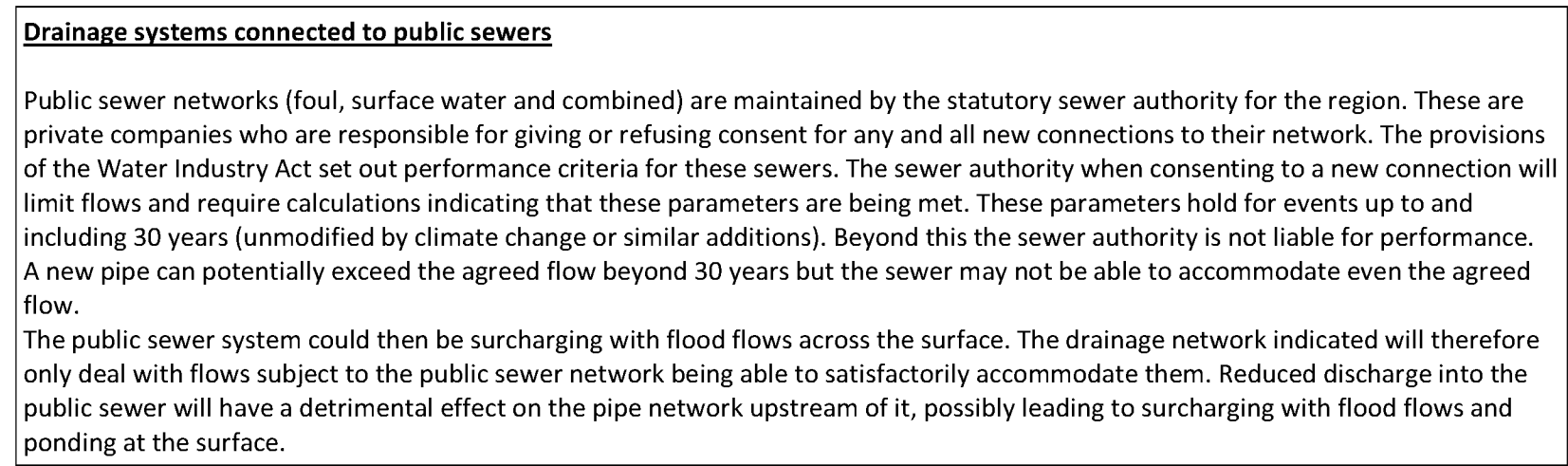
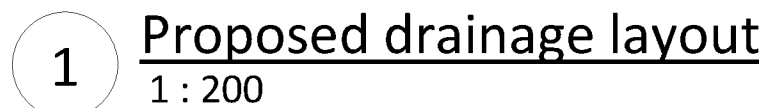




DESIGN REVIEW					
Design review by:		Checked by:			
Residual hazards:					
DRAWING NOTES					
- This drawing should be read in conjunction with Adept specification for drainage works and any other subsequent additions to this list - All building drainage works shall be carried out in accordance with the current British / European standards BSEN752, the current building regulations and the local authority building control or NHBC specifications and requirements - For external finished ground levels refer to architects external works drawings - 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. - All Junctions are to be done using a 'Y' junction to direct the flow in line with the main pipe. - All cover levels for manholes are approximate only and may be adjusted on site to tie in with Architects proposed levels. - Exact location of rainwater downpipes and all internal drainage points to be confirmed by Architect. Rainwater pipe outlets to be roddable. - For all setting out, dimensions and current site layout refer to Architects drawing. Do not scale from this drawing - 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. - The contractor shall allow for the protection, temporary and permanent support, and temporary and permanent diversion works, as necessary to all existing services - The contractor shall allow for all traffic management in connection with road and sewer works - 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 - Contractor to apply for sewer permits and road opening permits as necessary from the appropriate authorities, prior to commencing works. - At changes in pipe diameter Soffits to coincide unless noted otherwise					
- Wherever possible, drainage works are: - To commence at outfall - To work Upstream - All pipe work < 300 to be Clay, > 300 to be Concrete. With the strengths shown below: Clay Pipe Min Strengths 100mm dia 40KN/m 150mm dia 40KN/m 225mm dia 45KN/m 300mm dia 72KN/m Concrete Pipe Min Strengths all diameters to be class 120 (54KN/m) - 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.					
26.03.18	Drainage Plan updated to suit EA & Southern Water's comments; Key & Schedule updated	WRH	PG	P04	
08.03.18	Foul water layout updated	BB	PG	P03	
27.02.18	IL at SW4 & SW6 updated, notes added	WRH	PG	P02	
09.02.18	Preliminary Issue	BB	PG	P01	
Date	Revision	By	Chkd	Rev	
ADEPT Engineering Better Solutions Together Civil and Structural Consulting Engineers Web: www.adeptcsce.com email: info@adeptcsce.com Originating Office 14 Festons Rooms, Sunny Bank Mills, Farsley, Leeds LS28 5JL					
Project					
ASDA Ferring					
Title					
Proposed drainage layout					
Client					
ASDA Save money. Live better.					
Scale @ A1	Drawn	Checked	Date		
As indicated	BB	PG	Feb'18		
Suitability	Purpose				
S1	Preliminary				
UPPN	Originator	Zone	Level	Type	Role
05.16049-ACE-00-XX-DR-D-50-0101-P04					