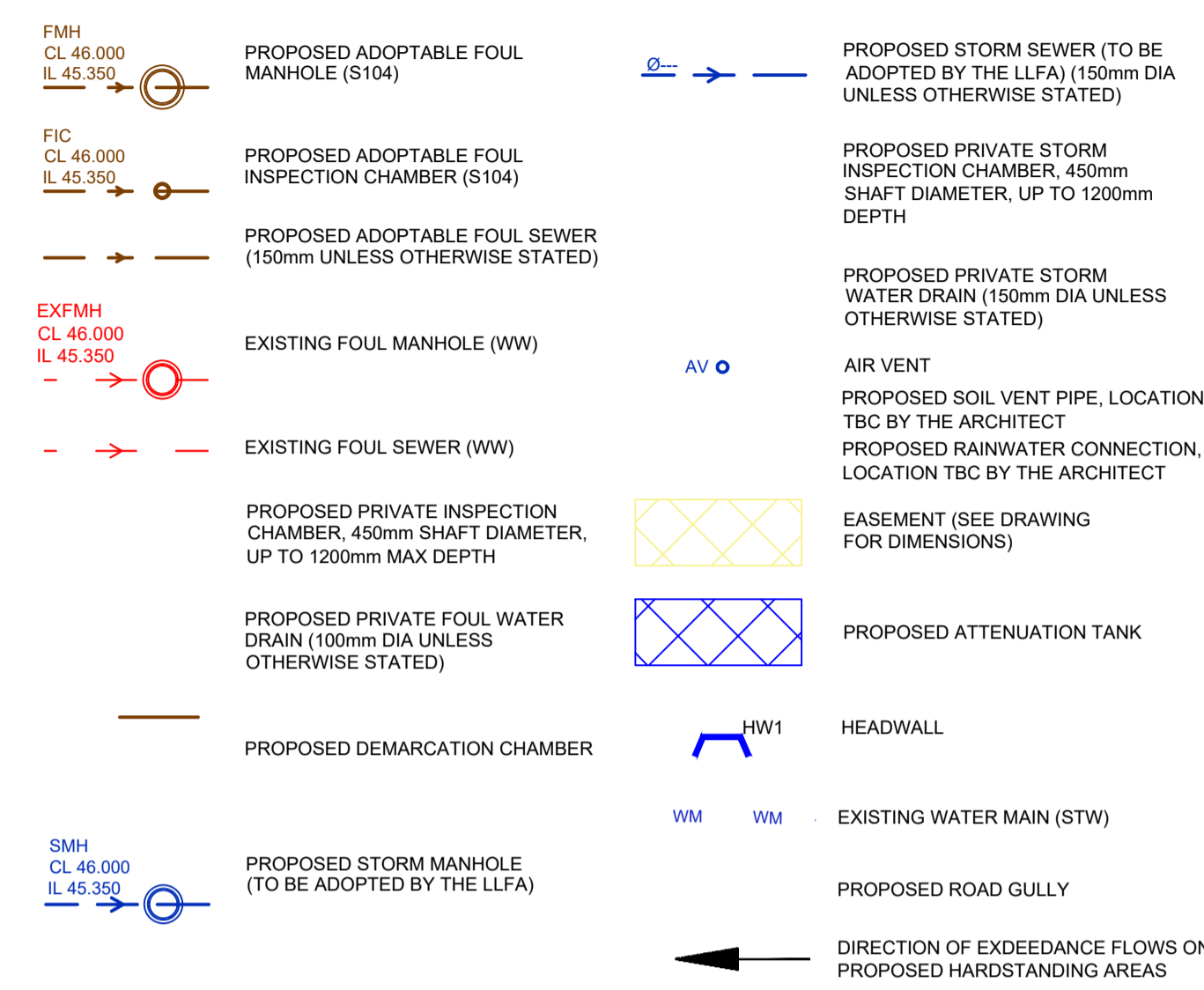


GENERAL NOTES

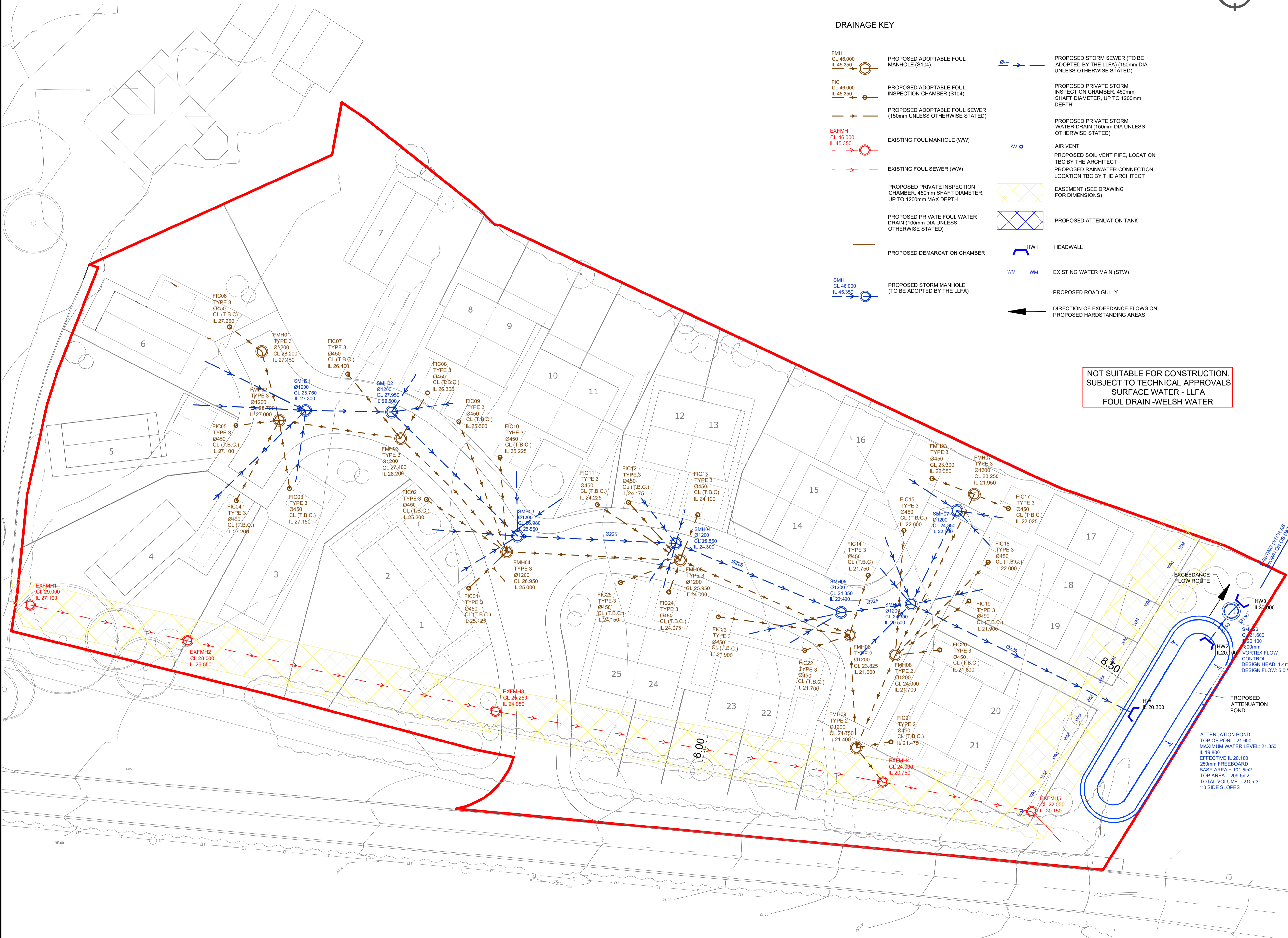
- THIS DRAWING SHOULD NOT BE REPRODUCED IN WHOLE OR PART WITHOUT THE WRITTEN CONSENT OF LINK ENGINEERING.
- DO NOT SCALE FROM THIS DRAWING. UNITS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR IS TO CHECK ALL INFORMATION PROVIDED PRIOR TO COMMENCING WORKS AND SEEK CLARIFICATION FROM THE ENGINEER IN RESPECT TO ANY AMBIGUITIES FOUND.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER SCHEME SPECIFIC DRAWINGS.
- FOUL AND SURFACE WATER DRAINAGE STRATEGIES, INCLUDING SURFACE WATER ATTENUATION AND WATER QUALITY REQUIREMENTS, SHALL BE DESIGNED IN STRICT ACCORDANCE WITH THE SITE SPECIFIC FLOOD RISK ASSESSMENT RECOMMENDATIONS.
- ALL ADOPTABLE DRAINAGE WORKS SHALL BE DESIGNED IN ACCORDANCE WITH "SEWERS FOR ADOPTION" 6th EDITION, THE "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY" 6th EDITION AND ANY SUBSEQUENT AMENDMENTS TO THESE DOCUMENTS AS ADVISED.
- ALL ADOPTABLE DRAINAGE WORKS SHALL BE ADOPTED VIA THE WATER INDUSTRY ACT 1991 BY THE REGIONAL WATER COMPANY.
- HIGHWAY DRAINS TO BE ADOPTED UNDER SECTION 38 OF THE HIGHWAYS ACT 1980 SHALL COMPLY WITH THE WATER UK GUIDE "SEWERS FOR ADOPTION 6TH EDITION".
- NON-ADOPTED DRAINAGE, TO BUILDING REGULATIONS PART H, (INCLUDING DITCHES AND PONDS) ARE TO REMAIN THE RESPONSIBILITY OF THE DEVELOPERSITE OWNER UNLESS OTHERWISE TRANSFERRED.
- PIPE MATERIALS SHALL BE AS FOLLOWS:  
DIAMETER  
1500 TO 2250 - CLAYWARE CLASS 120 TO TO BS EN 285  
3000 AND ABOVE - CLASS 120 CONCRETE TO BS EN 1916  
PLASTIC PIPEWORK MAY BE PROPOSED AND IS SUBJECT TO APPROVAL BY THE DESIGN ENGINEER AS APPROPRIATE
- BACKFILL TO TRENCHES MAY BE SUITABLE EXCAVATED MATERIAL IN LANDSCAPED AREAS. GRANULAR MATERIAL BACKFILL IS TO BE USED UNDER HARDSTANDINGS AND ROADS.
- ALL DRAINAGE UNDER THE PROPOSED ADOPTABLE ROADS MUST BE BACKFILLED WITH AN APPROVED GRADED GRANULAR MATERIAL.
- ALL MANHOLE COVER AND GULLY TOPS ARE TO COMPLY WITH THE STRENGTH / GROUP REQUIREMENTS OF BS EN 124 AND KITE MARKED.
- COVER LEVELS FOR MANHOLES ARE TO BE ADJUSTED TO MATCH SURROUNDING FINISHED LEVELS ON SITE.
- ALL TRAPPED GULLIES POTS TO BS 5911 SHALL HAVE A MINIMUM SIZE OF 900mm X 450mm.
- ALL DRAINAGE LAID WITHIN THE HIGHWAY SHOULD HAVE A MINIMUM COVER OF 0.9m MEASURED FROM THE TOP OF THE PIPE BARREL TO THE FINISHED ROAD SURFACE.
- WHERE PIPE WORK HAS LESS THAN 1.2m COVER BENEATH ROADS AND 0.9m COVER BENEATH LANDSCAPING, THE PIPES ARE TO BE SURROUNDED WITH 150mm OF CLASS ST4 CONCRETE WITH FLEXIBILITY OF JOINTS MAINTAINED AS STATED IN CLAUSE 5.2.26 OF THE WATER UK GUIDE.
- CONCRETE BED AND SURROUND TO PIPE WORK SHALL USE SULPHATE-RESISTING CEMENT UNLESS ADVISED OTHERWISE WITHIN THE SITE INVESTIGATION REPORT.
- ALL DRAINAGE UNDER PROPOSED ADOPTABLE ROADS AND FOOTWAYS TO BE MINIMUM 150mm DIAMETER. ALL MANHOLES TO BE PRECAST CONCRETE.
- ALL CONNECTIONS TO HIGHWAY DRAINS MUST BE MADE WITH FACTORY MADE JUNCTIONS.
- FOUL AND SURFACE WATER COVER AND INVERT LEVELS ARE BASED ON THE PROVIDED TOPOGRAPHICAL SURVEY. LEVELS TO BE ADJUSTED TO SUIT THE PROPOSED SITE WIDE 3D MODEL DONE BY OTHERS.



DRAINAGE KEY



NOT SUITABLE FOR CONSTRUCTION.  
SUBJECT TO TECHNICAL APPROVALS  
SURFACE WATER - LLFA  
FOUL DRAIN - WELSH WATER



ATTENUATION POND  
TOP OF POND: 21.600  
MAXIMUM WATER LEVEL: 21.350  
IL 19.900  
EFFECTIVE IL 20.100  
250mm FREEBOARD  
BASE AREA = 101.5m<sup>2</sup>  
TOP AREA = 209.5m<sup>2</sup>  
TOTAL VOLUME = 210m<sup>3</sup>  
1:3 SIDE SLOPES

Notes:  
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REV:	DESCRIPTION:	BY:	DATE:
STATUS: PROVISIONAL			

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CLIENT:	Grŵp Amos Cymru Cyf		
SITE:	Tan Y Graig Pentraeth		
TITLE:	Drainage Layout		
SCALE @ A1:	DATE:	DRAWN:	CHECKED:
1:500 @A1	April 2024	DS	DS
PROJECT NO:	DRAWING NO:	REVISION:	
2022-02	SP05		

