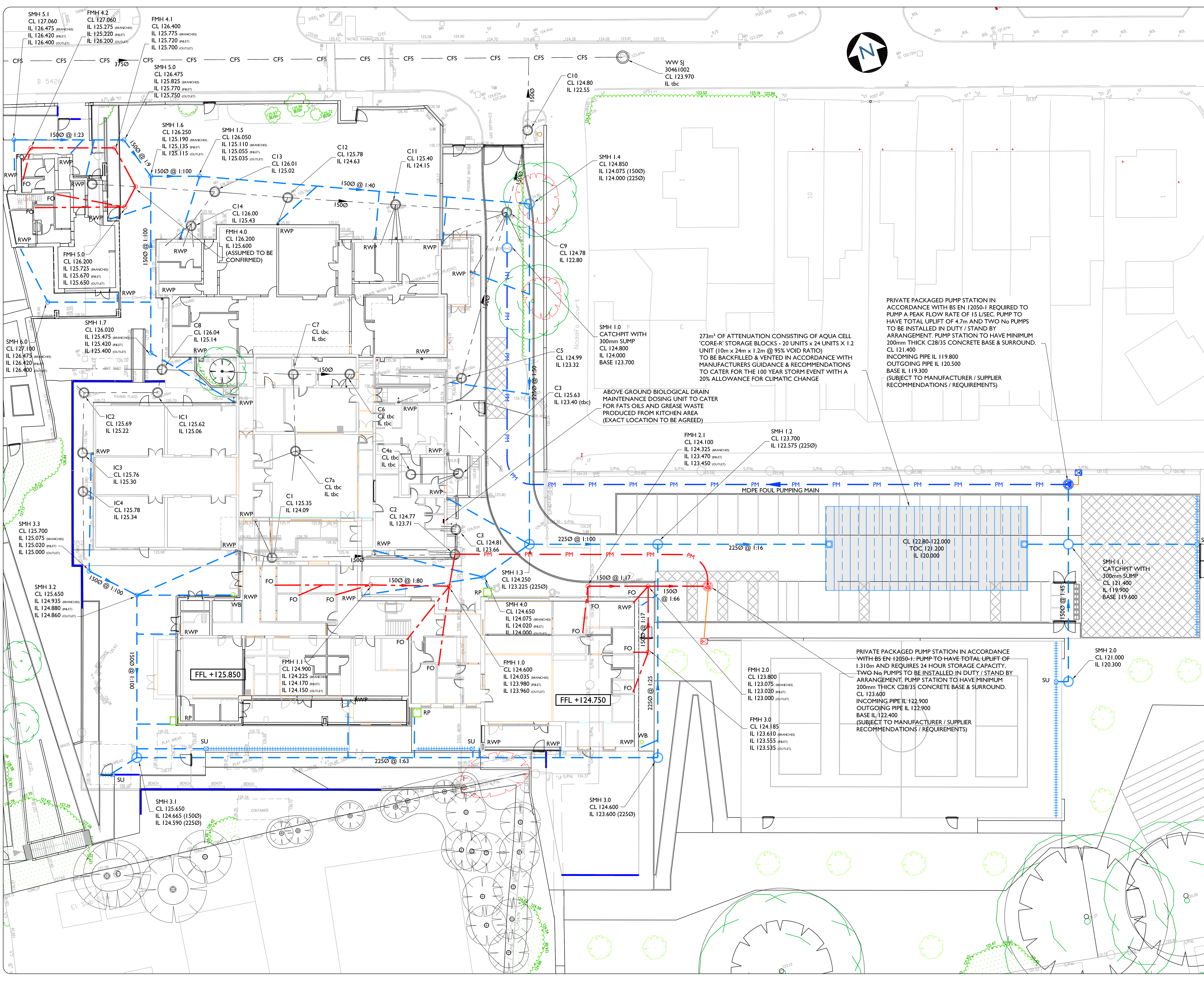




- NOTES**
1. THE WORKS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, NATIONAL BUILDING SPECIFICATION (NBS) AND SEWERS FOR ADOPTION, 7TH EDITION.
 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS DRAWINGS, ARCHITECTS DRAWINGS, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
 3. THE LOCATION, LINE & LEVEL OF ALL KNOWN EXISTING BURIED SERVICE MAINS AND DRAINAGE PIPEWORK INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GUIDANCE PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXACT LINE & LEVEL BY WAY OF HAND EXCAVATED TRIAL PITS. PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS ON SITE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN THE STRUCTURAL INTEGRITY OF ALL ABOVE AND BELOW GROUND SERVICE MAINS / DRAINAGE INSTALLATIONS.
 4. THE CONTRACTOR MUST COMPLY WITH ALL CURRENT LEGISLATION RELATING TO HEALTH & SAFETY.
 5. THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF ALL TEMPORARY WORKS, AND IS ALSO RESPONSIBLE FOR THE SAFE MAINTENANCE AND STABILITY OF EXISTING BUILDINGS AT ALL TIMES.
 6. THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE MITIGATION OF ALL OCCURRENCES OF GROUND WATER DURING THE CONSTRUCTION PERIOD.
 7. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR RAISING / LOWERING ALL EXISTING ACCESS COVERS & FRAMES TO SUIT NEW FINISHED LEVELS.
 8. ALL SOFT / HARD PAVED AREAS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED UPON COMPLETION OF THE WORKS. ALL SURFACE MARKINGS DAMAGED BY THE WORKS SHALL BE FULLY REINSTATED.
 9. ALL SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED OF OFF SITE.
 10. ALL LEVELS ARE TO ORDNANCE DATUM

- KEY**
- CFS
 - EXISTING COMBINED FLOW SEWER
 - EXISTING COMBINED DRAIN
 - PROPOSED FOUL SEWER
 - PROPOSED SW SEWER
 - PROPOSED ATTENUATION CRATES
 - LINEAR DRAINAGE CHANNEL (SU - UNIVERSAL SUMP UNIT WITH AIR TRAP)
 - PROPOSED FOUL OUTLET
 - PROPOSED RAIN WATER DOWN PIPE
 - PROPOSED WATER BUTT
 - PROPOSED RAINWATER PLANTER

PRIVATE PACKAGED PUMP STATION IN ACCORDANCE WITH BS EN 12050-1 REQUIRED TO PUMP A PEAK FLOW RATE OF 15 L/SEC. PUMP TO HAVE TOTAL UPLIFT OF 4.7m AND TWO No PUMPS TO BE INSTALLED IN DUTY / STAND BY ARRANGEMENT. PUMP STATION TO HAVE MINIMUM 200mm THICK C28/35 CONCRETE BASE & SURROUND. CL 121.400 INCOMING PIPE IL 119.800 OUTGOING PIPE IL 120.500 BASE IL 119.300 (SUBJECT TO MANUFACTURER / SUPPLIER RECOMMENDATIONS / REQUIREMENTS)

273m³ OF ATTENUATION CONSISTING OF AQUA CELL 'CORE-R' STORAGE BLOCKS - 20 UNITS x 24 UNITS X 1.2 UNIT (10m x 24m x 1.2m @ 95% VOID RATIO) TO BE BACKFILLED & VENTED IN ACCORDANCE WITH MANUFACTURERS GUIDANCE & RECOMMENDATIONS TO CATER FOR THE 100 YEAR STORM EVENT WITH A 20% ALLOWANCE FOR CLIMATIC CHANGE

ABOVE GROUND BIOLOGICAL DRAIN MAINTENANCE DOSING UNIT TO CATER FOR FATS OILS AND GREASE WASTE PRODUCED FROM KITCHEN AREA (EXACT LOCATION TO BE AGREED)

PRIVATE PACKAGED PUMP STATION IN ACCORDANCE WITH BS EN 12050-1. PUMP TO HAVE TOTAL UPLIFT OF 1.310m AND REQUIRES 24 HOUR STORAGE CAPACITY. TWO No PUMPS TO BE INSTALLED IN DUTY / STAND BY ARRANGEMENT. PUMP STATION TO HAVE MINIMUM 200mm THICK C28/35 CONCRETE BASE & SURROUND. CL 123.600 INCOMING PIPE IL 122.900 OUTGOING PIPE IL 122.900 BASE IL 122.400 (SUBJECT TO MANUFACTURER / SUPPLIER RECOMMENDATIONS / REQUIREMENTS)

P04	MINOR UPDATES	RH	MM	JP	01.12.2021
P03	MINOR UPDATES	RH	MM	JP	16.11.2021
P02	UPDATED AS PER LATEST LAYOUT	RH	MM	JP	26.08.2021
P01	PRELIMINARY ISSUE	RH	MM	JP	30.07.2021
REV	DESCRIPTION	BY	CHK	APR	DATE

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PURPOSE OF ISSUE	FOR REVIEW	STATUS	S3
PROJECT	YSGOL YR HAFOD JOHNSTOWN		
TITLE	DRAINAGE SCHEME PROPOSED LAYOUT		
CLIENT			
DRAWN BY	RH	CHECKED BY	MM
DATE	30.07.2021	SCALE (@ A1)	1:200
DRAWING NUMBER	HAF-JPS-ZZ-XX-DR-C-0502		REV
			P04