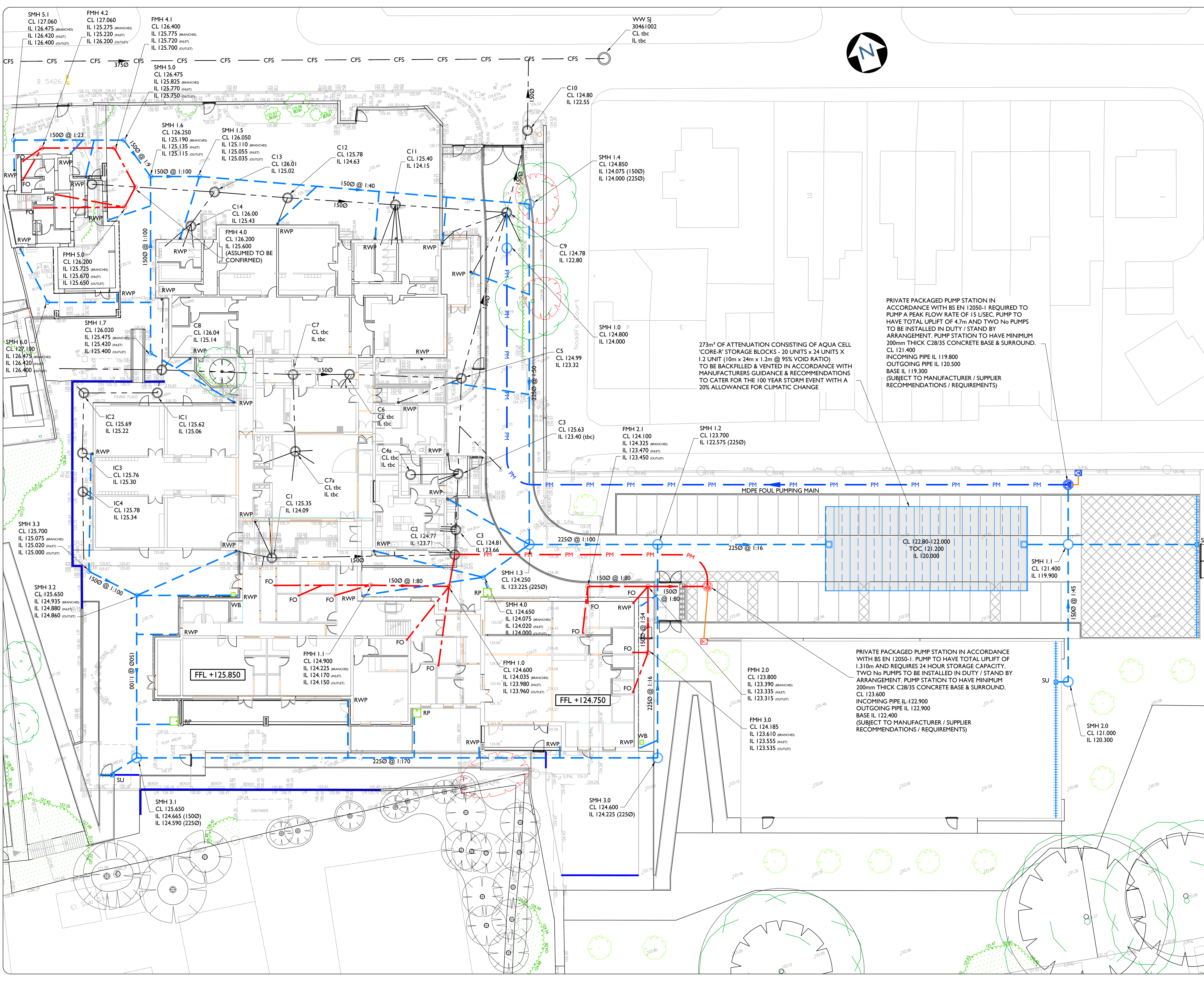




NOTES

- THE WORKS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, NATIONAL BUILDING SPECIFICATION (NBS) AND SEWERS FOR ADOPTION, 7TH EDITION.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS DRAWINGS, ARCHITECTS DRAWINGS, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
- 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 CONTRACTORS 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.
- THE CONTRACTOR MUST COMPLY WITH ALL CURRENT LEGISLATION RELATING TO HEALTH & SAFETY.
- 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.
- THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE MITIGATION OF ALL OCCURRENCES OF GROUND WATER DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL MAKE ALLOWANCE FOR RAISING / LOWERING ALL EXISTING ACCESS COVERS & FRAMES TO SUIT NEW FINISHED LEVELS.
- 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.
- ALL SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED OF OFF SITE.
- ALL LEVELS ARE TO ORDINANCE 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

FO

RWP

WB

PLT

PROPOSED FOUL OUTLET

PROPOSED RAIN WATER DOWN PIPE

PROPOSED WATER BUTT

PROPOSED RAINWATER PLANTER

273m³ OF ATTENUATION BLOCKS 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

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)

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)

SMH 1.1 CL 121.400 IL 119.900

P02	UPDATED AS PER LATEST LAYOUT	RH	MM	JP	26.08.2021
REV	DESCRIPTION	BY	CHK	APR	DATE

CIVIL + STRUCTURAL ENGINEERS

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PURPOSE OF ISSUE

PRELIMINARY

STATUS

S1

PROJECT

YSGOL YR HAFOD JOHNSTOWN

TITLE

DRAINAGE SCHEME PROPOSED LAYOUT

CLIENT

DRAWN BY

RH

CHECKED BY

MM

APPROVED BY

JP

DATE

30.07.2021

SCALE (@ A1)

1:200

PROJECT NUMBER

94001

DRAWING NUMBER

HAF-JPS-XX-XX-DR-C-0502

REV

P02