



Pre and post development impermeable areas considered the same. Discharge to remain using existing connections.

Existing culvert is to be diverted. Proposed post development discharge rate to remain as existing

Proposed surface water drainage route to stream via new headwall. Fill redundant stream section.

Relocated existing cellular attenuation, 225m² x 0.8m catchment area 0.27Ha and design flow for 100yr + 40%CC 4.3L/s. Catchment includes MV Room, Dept B roof and rear hardstanding which matches the existing area. Storage will be constructed prior to decommissioning the existing attenuation, in order to provide continued flood protection to the stream.

Cellular attenuation of 247m³ based on an additional catchment area of 0.333Ha. Storage to attenuate storms up to and including the 1 in 100 year event including 40% allowable for climate change. Discharge is restricted to the greenfield runoff rate of 5.7 l/s.

Existing outfall pipe is to be diverted around new building

Existing attenuation Tank to be relocated

Proposed surface water drainage route.

Pre and post development impermeable areas considered the same. Discharge to remain using existing connections.

KEY FIRE COMPARTMENTS		
	FIRE MAIN COMPARTMENT	
	FIRE SUB COMPARTMENT	
	SMOKE COMPARTMENT	

KEY MATERIALS		
	REINFORCED CONCRETE	
	BRICKWORK	
	PLASTERBOARD	
	EXISTING BUILDING	
	PRECAST CONCRETE ELEMENT	
	PRECAST CONCRETE ELEMENT	
	HEAT INSULATION SOFT	
	HEAT INSULATION RIGID	
	SANDWICH PANEL	
	GLASS	
	DEMOLITION	

KEY ROOM		
TFF = TOP FINISH FLOOR	RH = ROOM HEIGHT	TL = TOP LEVEL
TRS = TOP ROUGH SLAB	CH = CLEAR HEIGHT	BL = BOTTOM LEVEL
A = AREA	TLP = TOP LEVEL PARAPETE	
P = PERIMETER	BLL = BOTTOM LEVEL LINTEL	

Notes
 This drawing is to be read in conjunction with all relevant drawings and the specification.
 Do not scale this drawing.
 All dimensions are in millimetres.
 All levels are in metres.
 The contractor is responsible for the accuracy of the setting-out on site and the fabrication of materials prior to construction.
 All work to be carried out in accordance with the building regulations and all relevant British Standards and codes of practice.

REFERENCE DOCUMENT				
00	INDEX	DATE	DRAWN	CHECKED
				MODIFICATION



MILL SITE ±0.00m = 75.15 AOD (above ordnance datum)			
PROJECT	WEPA UK BRIDGEND VESTA		
CONTENT OF PLAN	GENERAL/OVERVIEW PROPOSED SuDS FEATURES		
PHASE	APPROVAL		
PROJECT NO.	16436	SCALE	1:500
PLAN NO.	005	DRAWN	PRF
PLAN NO. EXT.		CHECKED	-
		DATE	03.12.2024
		SIZE	A1
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