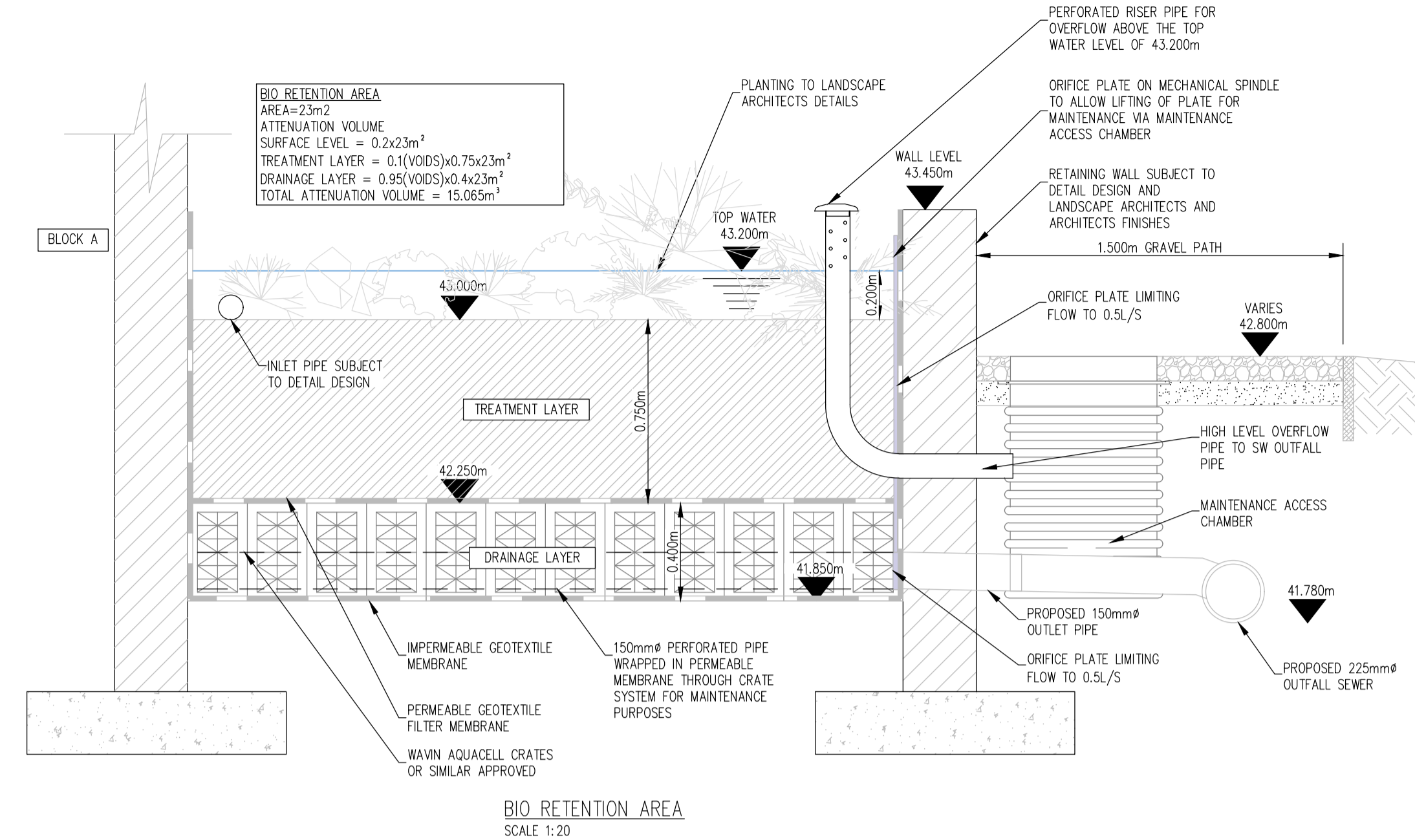
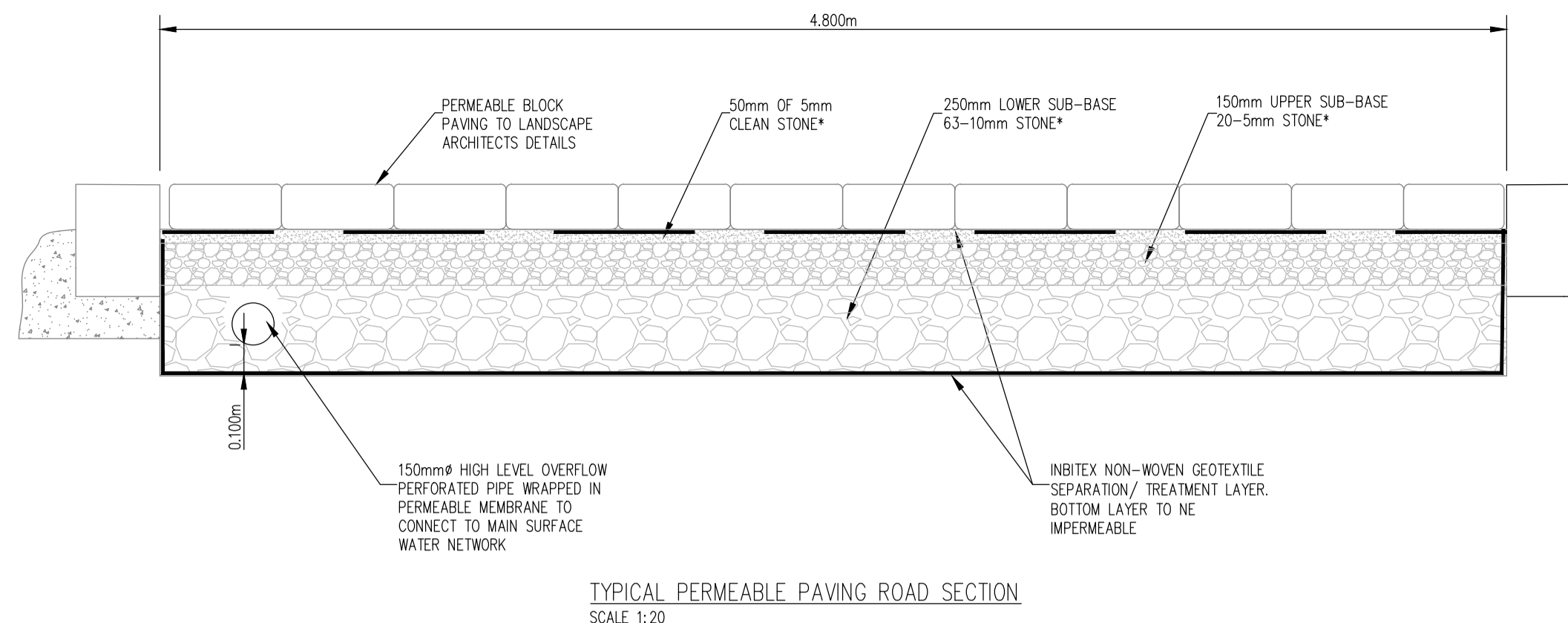
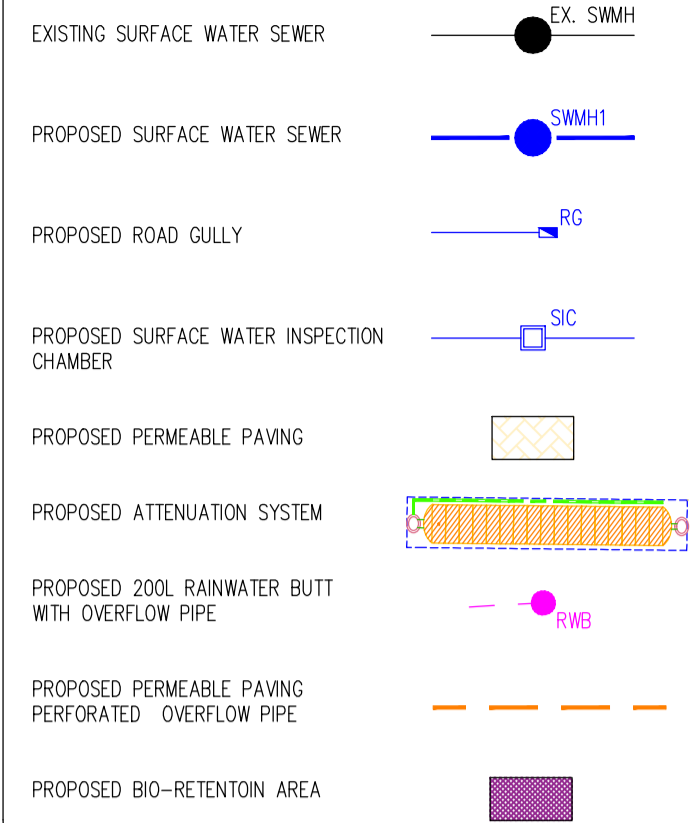


DRAINAGE LEGEND



DRAINAGE AREAS

AREA	AREA (m ²)	COLOUR
HARD STAND AREAS		
ROOF DRAINING TO RAINWATER BUTTS	(1752m ²)	Blue
GREEN ROOF AREAS	(1485m ²)	Green
PERMEABLE PAVING AREAS	(272m ²)	Orange
AREA DRAINING TO BIO RETENTION AREA	(347m ²)	Yellow
OTHER HARD STAND AREAS DRAINING DIRECT TO ISOLATOR ROW IN ATTENUATION SYSTEM	(1444m ²)	Grey
TOTAL	(5300m²)	
SOFT STAND AREAS		
GRASSED/PLANTING AREAS	(3250m ²)	Light Green
GRAVEL PATH AREAS	(250m ²)	Light Blue
TOTAL	(3500m²)	

INTERCEPTION STORAGE	VALUES
TOTAL EFFECTIVE IMPERMEABLE AREA=	(5300m ²)
PROVIDE FOR 5mm OF INTERCEPTION STORAGE	
REQUIRED INTERCEPTION STORAGE =	5300x0.005 = 26.5m ³
INTERCEPTION STORAGE PROVIDED	
GREEN ROOF	10LITRES PER m ² OF GREEN ROOF = 1485m ² x 0.01m = 14.85m ³
PERMEABLE PAVING	100mm/m ² OF PERMEABLE PAVING = 272m ² x 0.1m = 27.20m ³
TOTAL INTERCEPTION STORAGE PROVIDED =	42.05m³
TREATMENT VOLUME	
TOTAL EFFECTIVE IMPERMEABLE AREA=	(5300m ²)
PROVIDE FOR 15mm OF INTERCEPTION STORAGE	
REQUIRED TREATMENT VOLUME =	5300x0.015 = 79.5m ³
GREEN ROOF	10LITRES PER m ² OF GREEN ROOF = 1485m ² x 0.01m = 14.85m ³
PERMEABLE PAVING	100mm/m ² OF PERMEABLE PAVING = 272m ² x 0.1m = 27.20m ³
BIO RETENTION AREA	120mm/m ² OF BIO RETENTION = 347m ² x 0.12m = 41.64m ³
TOTAL TREATMENT VOLUME PROVIDED =	83.69m³



"ORIGINAL ORGANICS" 200L WATER BUTT

PLANNING DRAWING
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- NOTES**
- For setting out refer to Architect's drawings.
 - This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
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Rev. No.	Date	REVISION NOTE	Drn. By	Chkd. By

Architect	OMP			
Project	Proposed Residential Development at Frankfort Castle.			
Title	SuDS Details And Drainage Areas			
Dwg. No.	H081-CSC-XX-RF-DR-C-0021			
Date	DD	MM	YY	Scale
FEB 2021	DD	NB	NB	1:250 @A1

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CHSAS 18001:2007