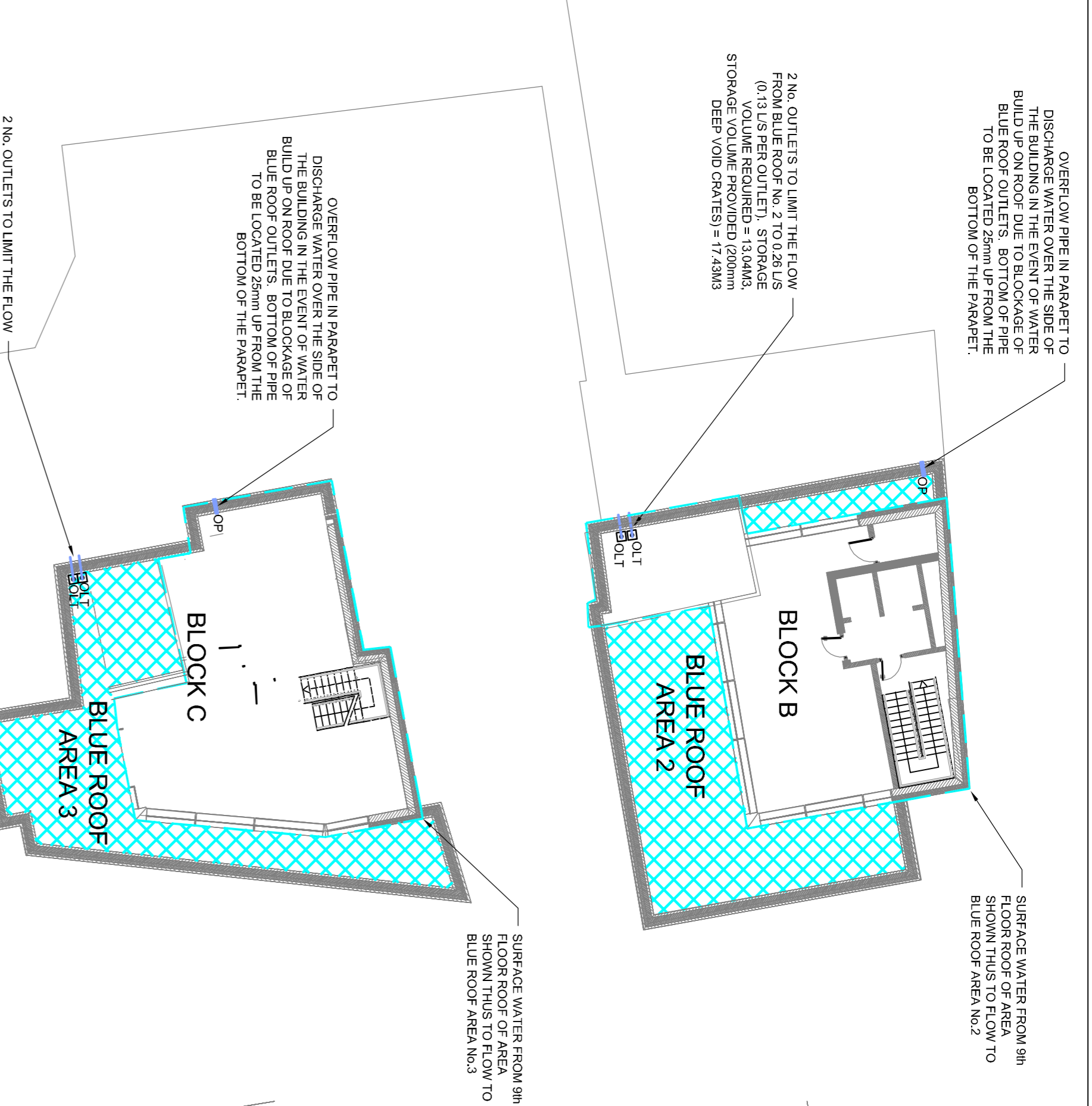
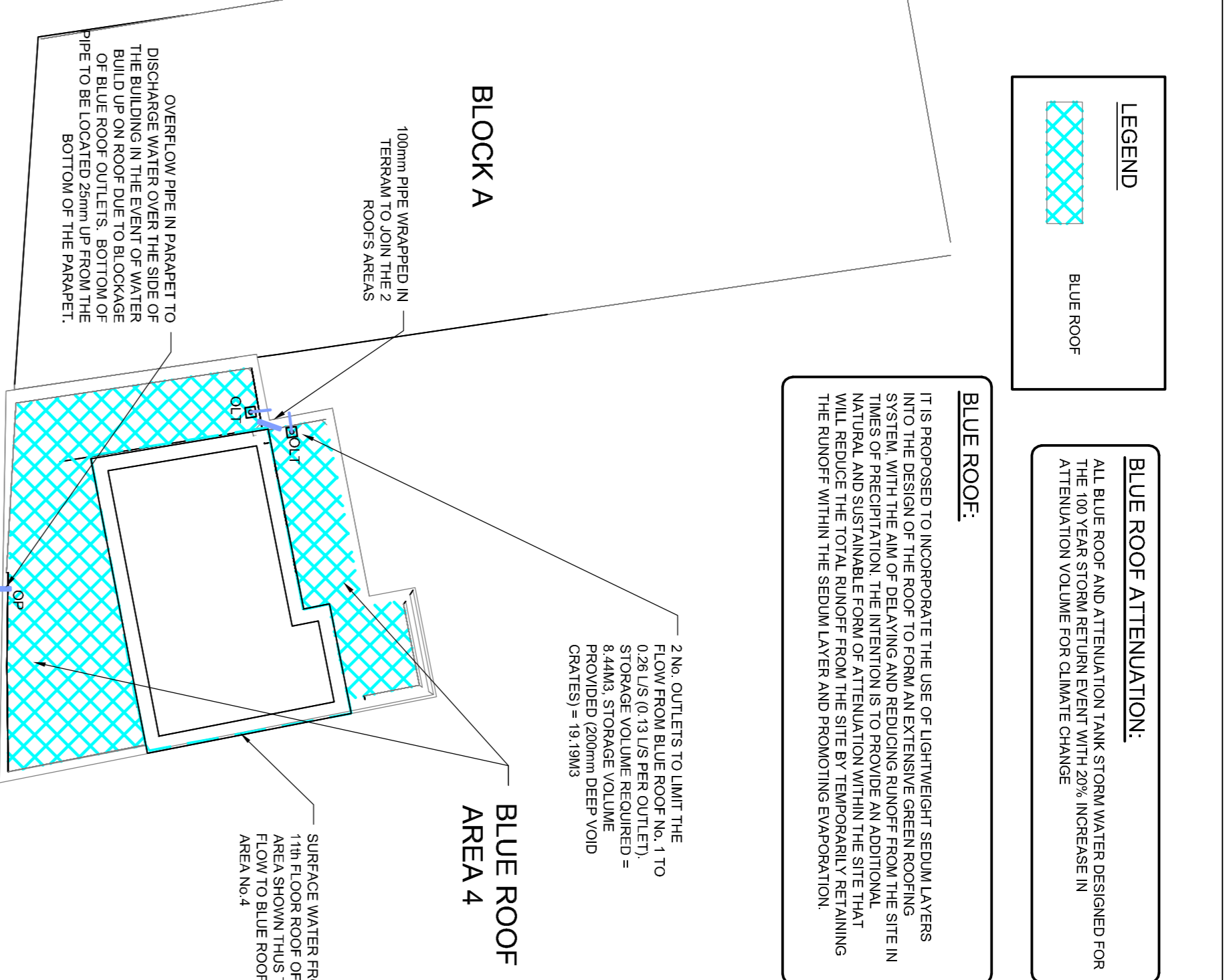


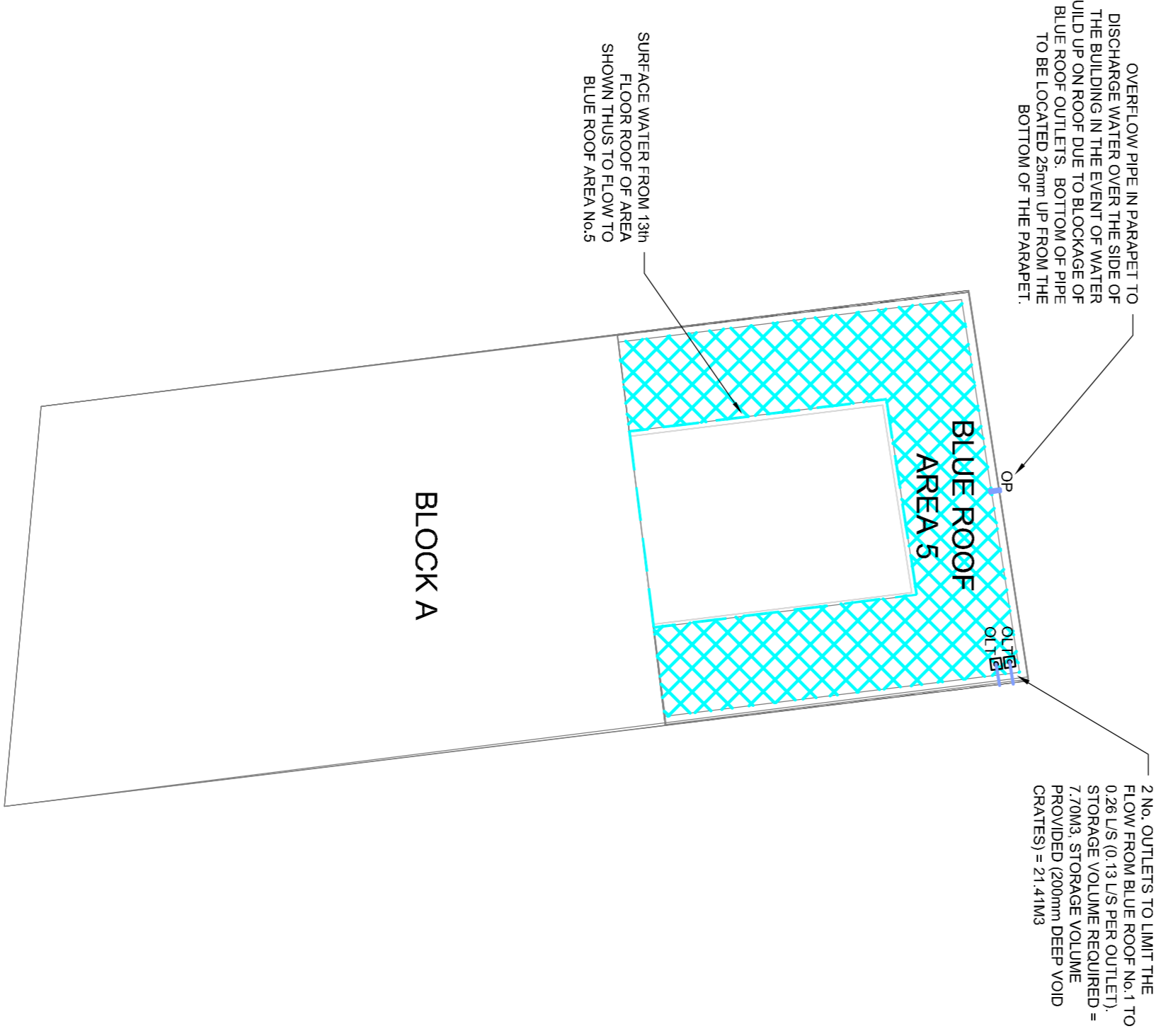
**BLOCK A**  
**2ND FLOOR - BLUE ROOF PLAN**  
SCALE 1:200



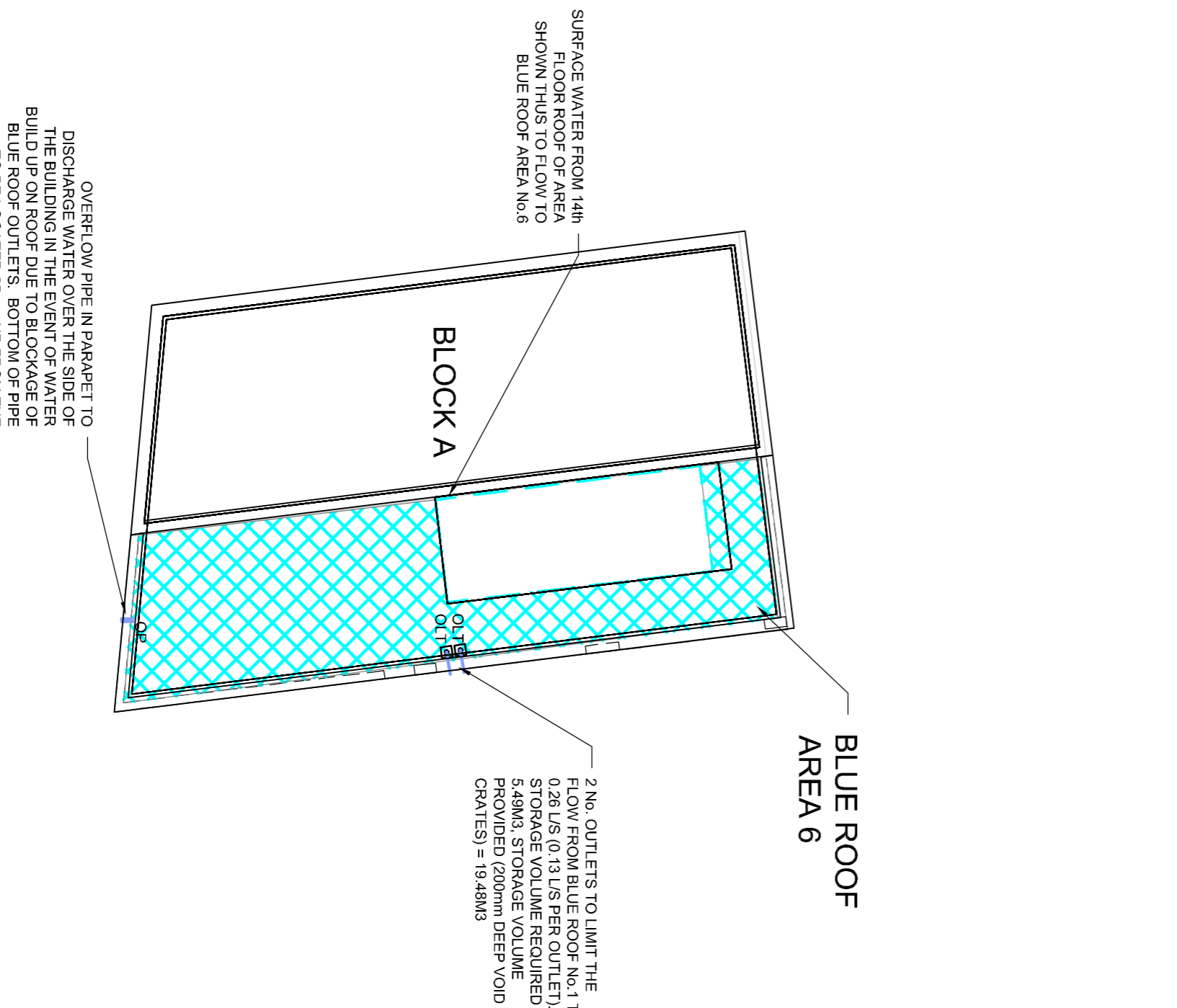
**BLOCK B & C**  
**8TH FLOOR - BLUE ROOF PLAN**  
SCALE 1:200



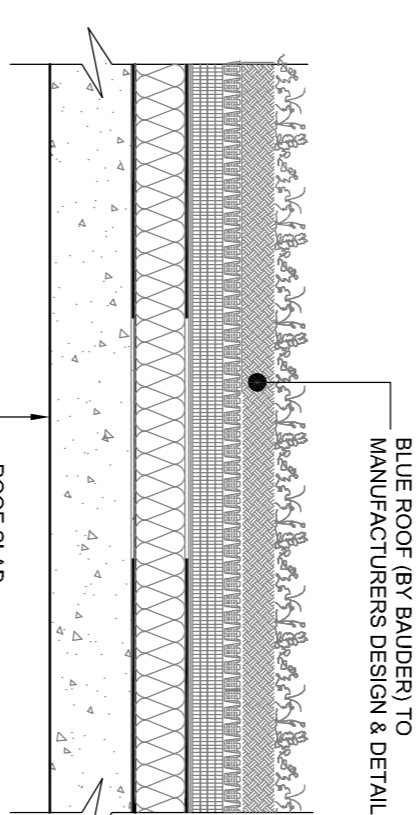
**BLOCK A**  
**9TH FLOOR - BLUE ROOF PLAN**  
SCALE 1:200



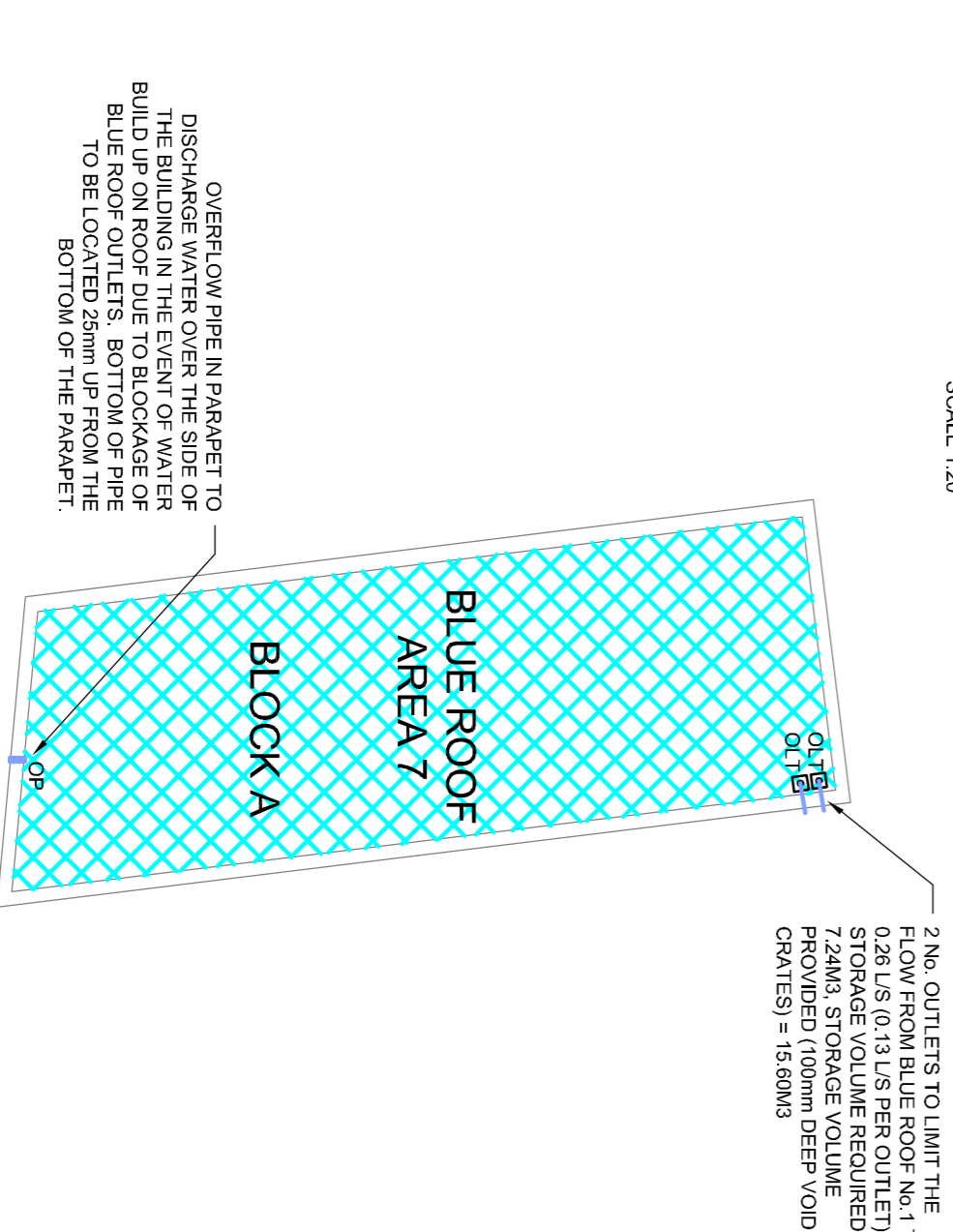
**BLOCK A**  
**12TH FLOOR BLUE ROOF PLAN**  
SCALE 1:200



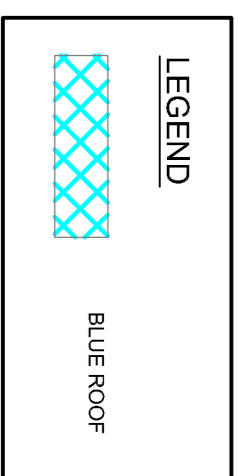
**BLOCK A**  
**13TH FLOOR BLUE ROOF PLAN**  
SCALE 1:200



**BLUE ROOF (BY BAUDER)**  
SCALE 1:20



**BLOCK A**  
**12TH FLOOR BLUE ROOF PLAN**  
SCALE 1:200

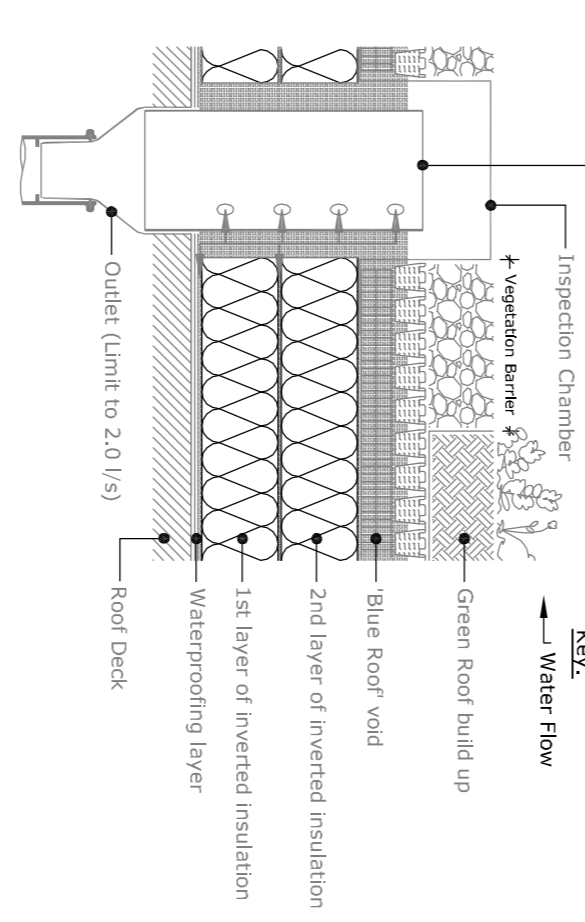


**BLUE ROOF ATTENUATION:**  
ALL BLUE ROOF AND ATTENUATION TANK STORM WATER DESIGNED FOR ATTENUATION VOLUME FOR SAME CHANGE

**BLUE ROOF:**  
IT IS PROPOSED TO INCORPORATE THE USE OF LIGHTWEIGHT SEDIMENT LAYERS INTO THE DESIGN OF THE ROOF TO FORM AN EXTENSIVE GREEN ROOFING SYSTEM, WITH THE AIM OF DELAYING AND REDUCING RUNOFF FROM THE SITE IN TIMES OF PRECIPITATION. THE MAIN INTENT IS TO PROVIDE AN ADDITIONAL LAYER OF INSULATION TO THE ROOF. THIS WILL REDUCE THE TOTAL RUNOFF FROM THE SITE BY TEMPORARILY RETAINING THE RUNOFF WITHIN THE SEDIMENT LAYER AND PROMOTING EVAPORATION.

**MFRC Guidance Note:**

- BBA, GRC and LKVA guidance recommends that Blue should have no back falls from the outlet.
- Deflectors within a concrete slab often leads to close to walls or pillars
- In a normal warm roof the insulation is dry, fall, the surface water does not affect the thermal performance / U Value
- In a normal inverted system an alternative is made for a small amount of water that makes the water through the vapour control layer, however these calculations assume no deflectors in the deck that would allow ponding water
- In heavy rainfall the restricted flow of the outlet allows water to build up. This will quickly be as deep as the insulation (Green 500-600mm), the waters in the surface does not affect the thermal performance / U Value. At present there is no way of calculating the U-Value for these Blue Roof systems



**BLUE ROOF SYSTEM BY BAUDER**  
SCALE 1:10

Rev	Date	By	Check	Description
P2	04/09/2020	MG	FM	Issued for Final Planning
P1	09/03/2020	POC	FM	Issue For Planning

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Job:	Development of Market Lands for The Fruitmarket Partnership
Job No.:	19143
Drawn:	@A1
Checked:	POC
Date:	March 2019