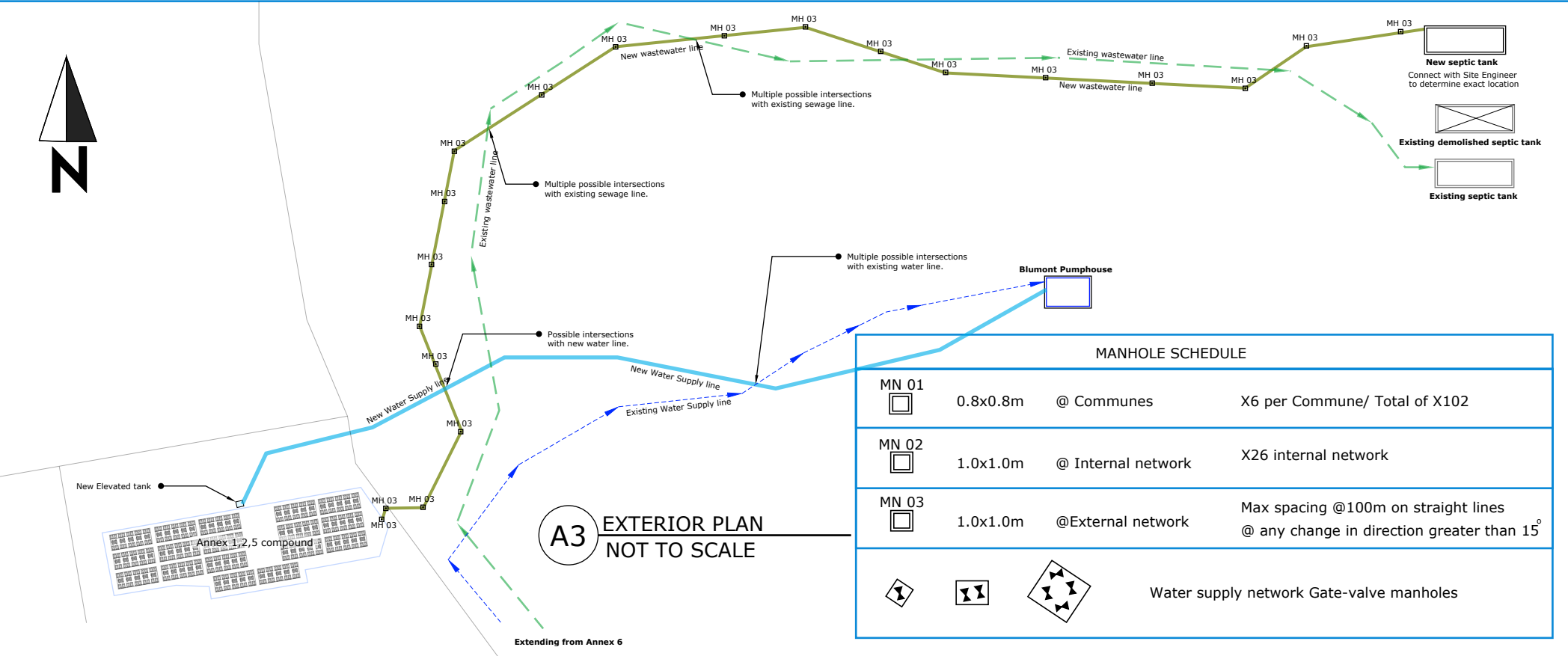
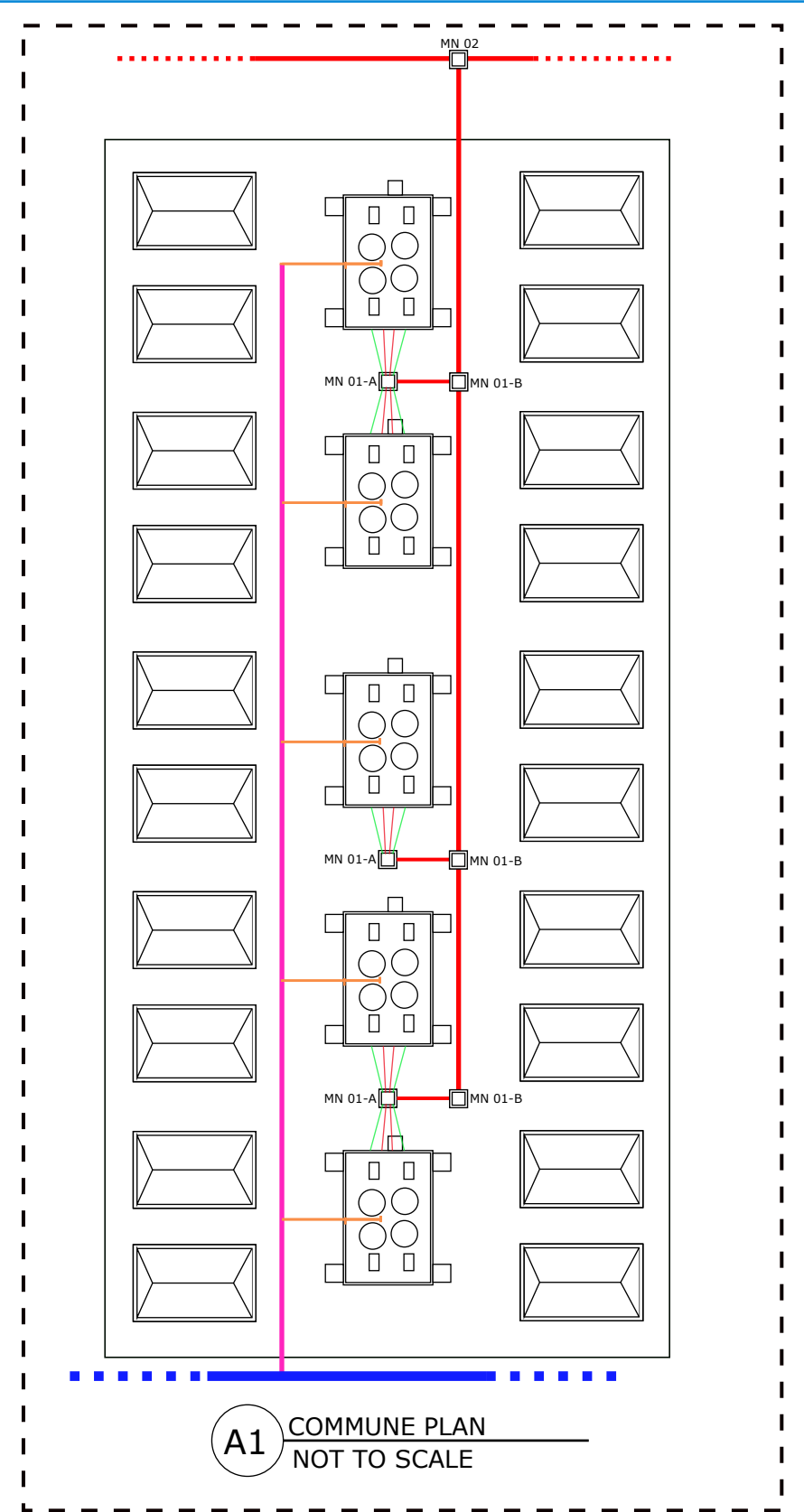
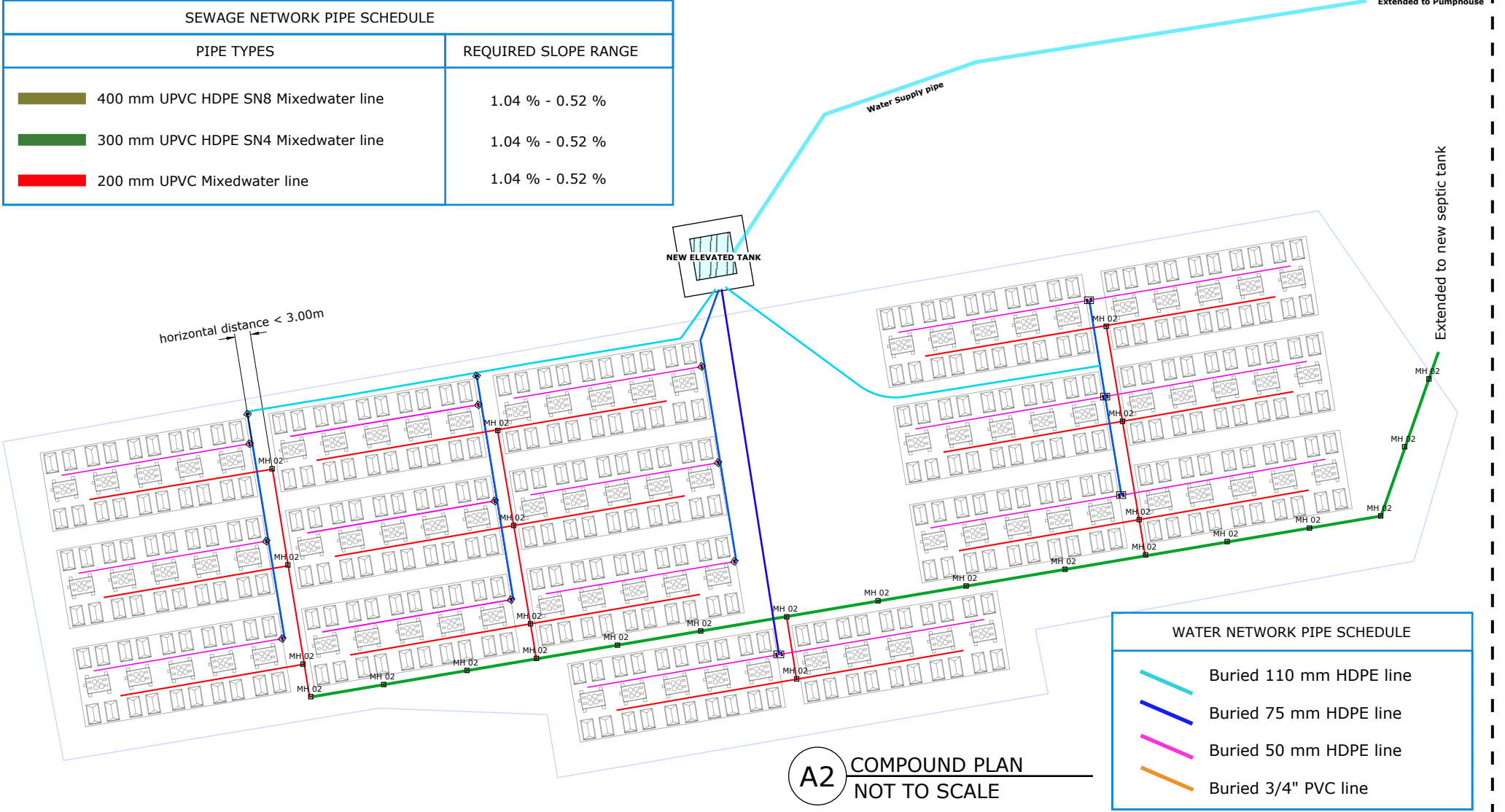




SEWAGE NETWORK PIPE SCHEDULE	
PIPE TYPES	REQUIRED SLOPE RANGE
400 mm UPVC HDPE SN8 Mixedwater line	1.04 % - 0.52 %
300 mm UPVC HDPE SN4 Mixedwater line	1.04 % - 0.52 %
200 mm UPVC Mixedwater line	1.04 % - 0.52 %



BLUMONT INC.	
Blueprint title:	Wastewater network / Water network
Sheet number:	00
Sheet title:	Network plan
Design lead:	Omar Ali Rafeek, Bashar Al-Atiyah, Shvan Zaza
Approved by:	Ibrahim A. Ahmed
Date:	4 MARCH 2024



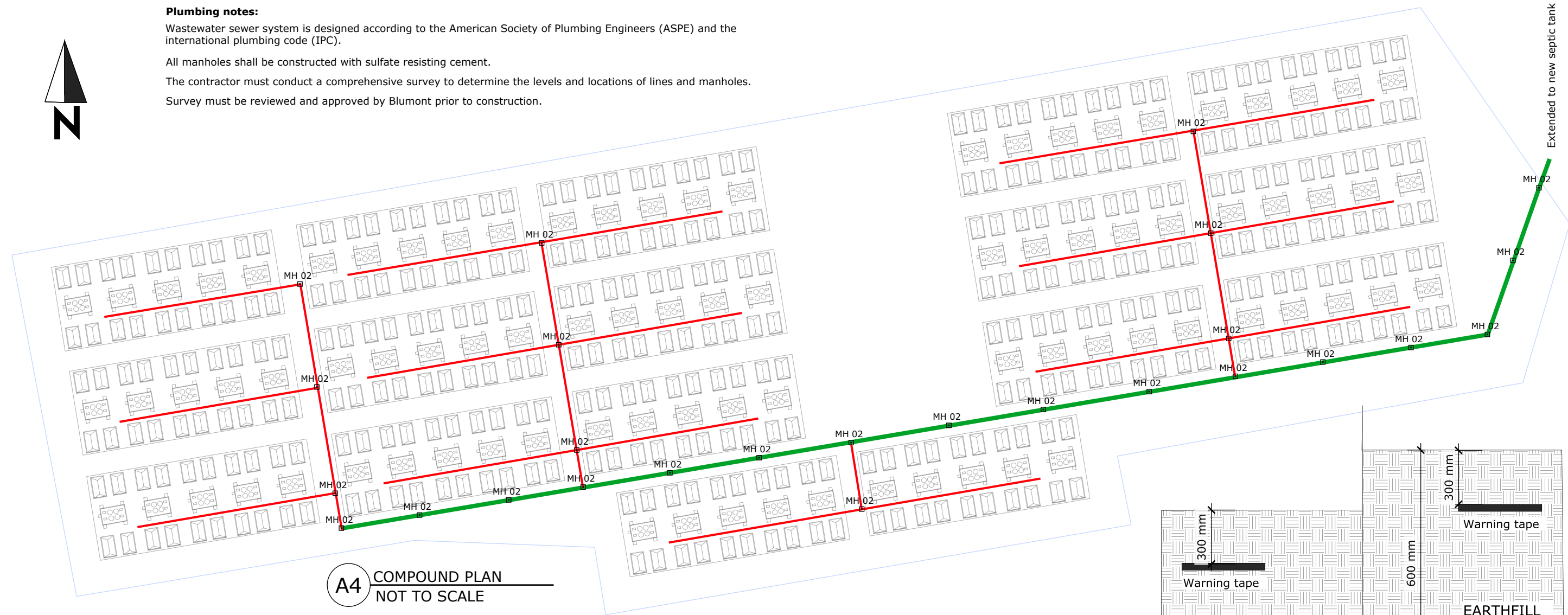
Plumbing notes:

Wastewater sewer system is designed according to the American Society of Plumbing Engineers (ASPE) and the international plumbing code (IPC).

All manholes shall be constructed with sulfate resisting cement.

The contractor must conduct a comprehensive survey to determine the levels and locations of lines and manholes.

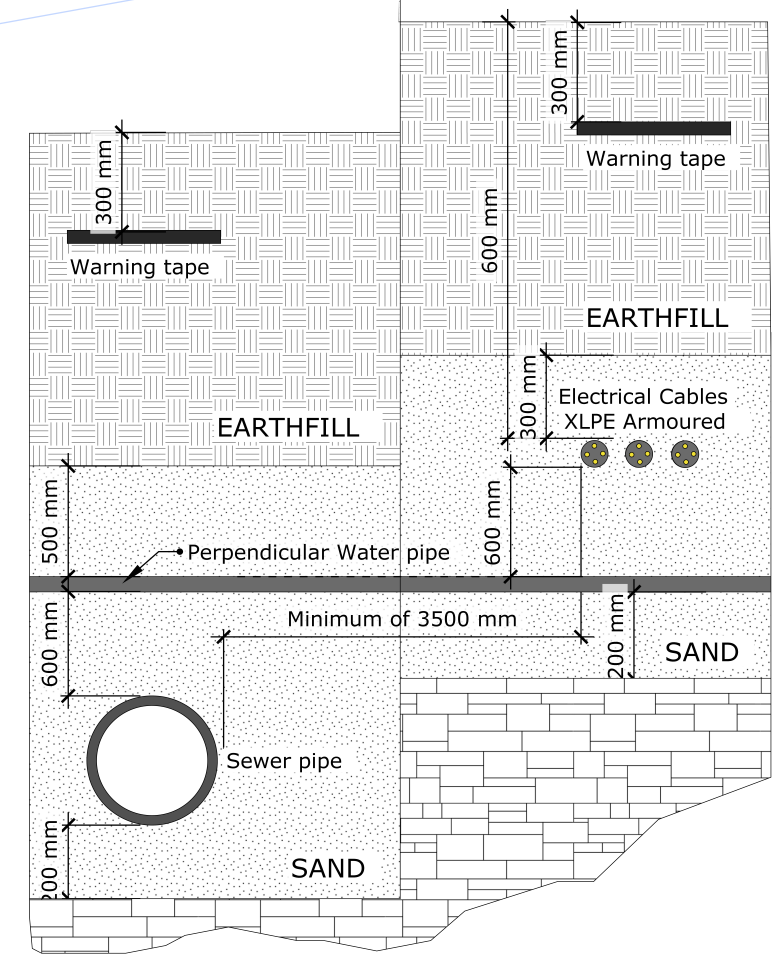
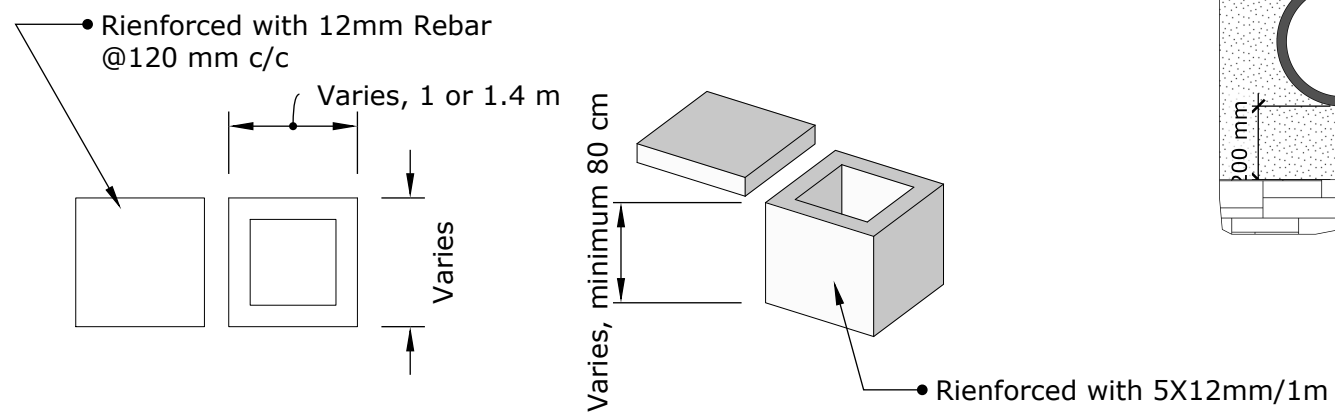
Survey must be reviewed and approved by Blumont prior to construction.



SEWAGE NETWORK PIPE SCHEDULE	
PIPE TYPES	REQUIRED SLOPE RANGE
 400 mm UPVC HDPE SN8 Mixedwater line	1.04 % - 0.52 %
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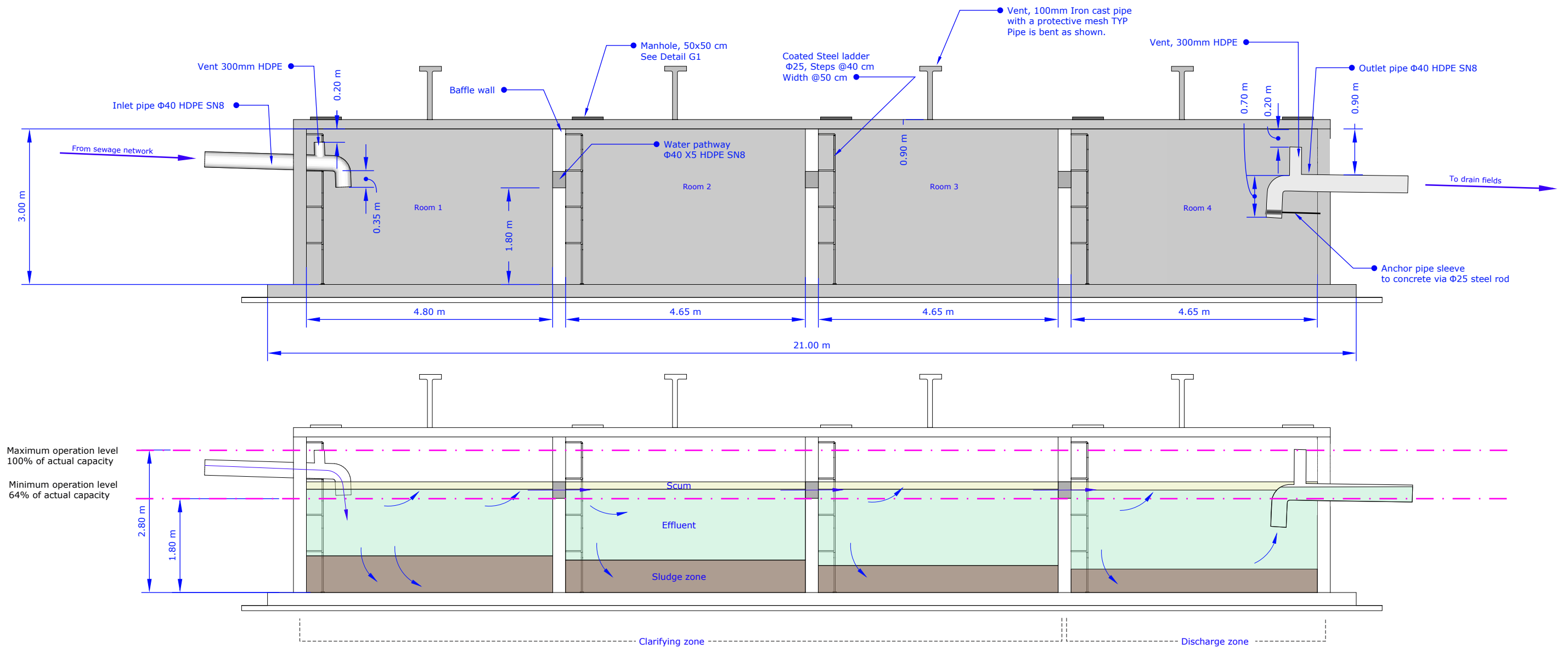
MANHOLE SCHEDULE			
MN 01		0.8x0.8m @ Communes	X3 per Commune/ Total of X51
MN 02		1.0x1.0m @ Internal network	X26 internal network
MN 03		1.0x1.0m @External network	Max spacing @100m on straight lines @ any change in direction greater than 15°

BLUMONT INC.	
Blueprint title:	Wastewater network
Sheet number:	01
Sheet title:	Network plan
Design lead:	Omar Ali Rafeek, Bashar Al-Atiyah, Shvan Zaza
Approved by:	Ibrahim A. Ahmed
Date:	4 FEB 2024

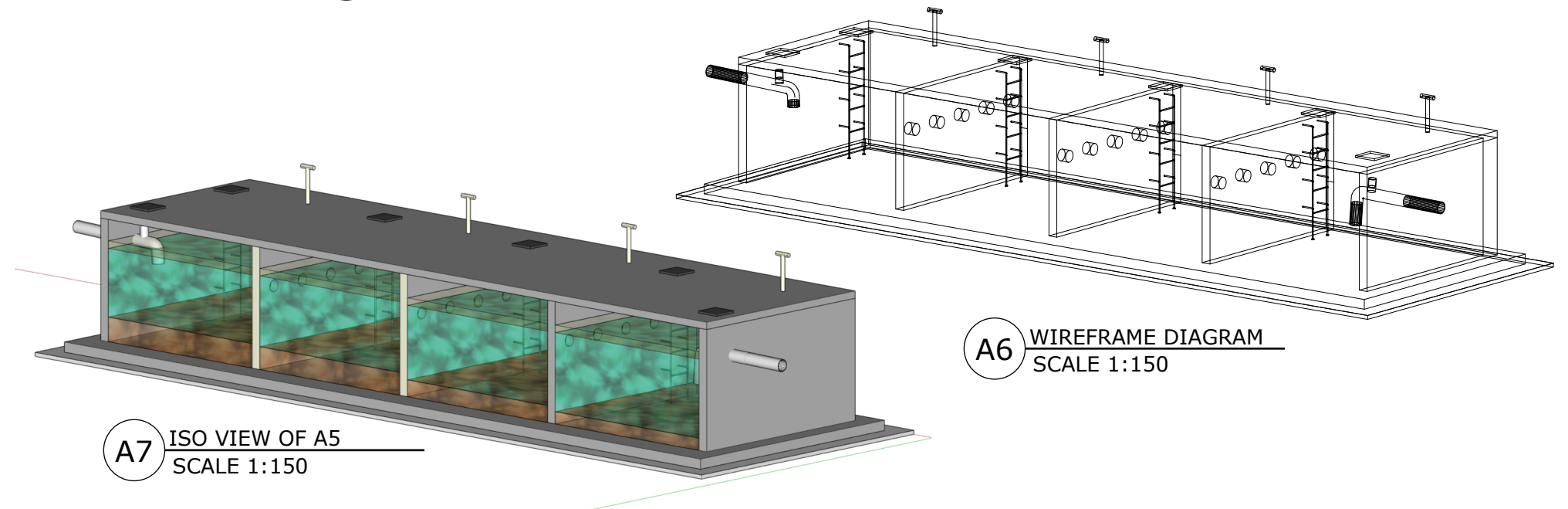


D3 MANHOLE DETAILS (MH 01, 02, 03)
NOT TO SCALE

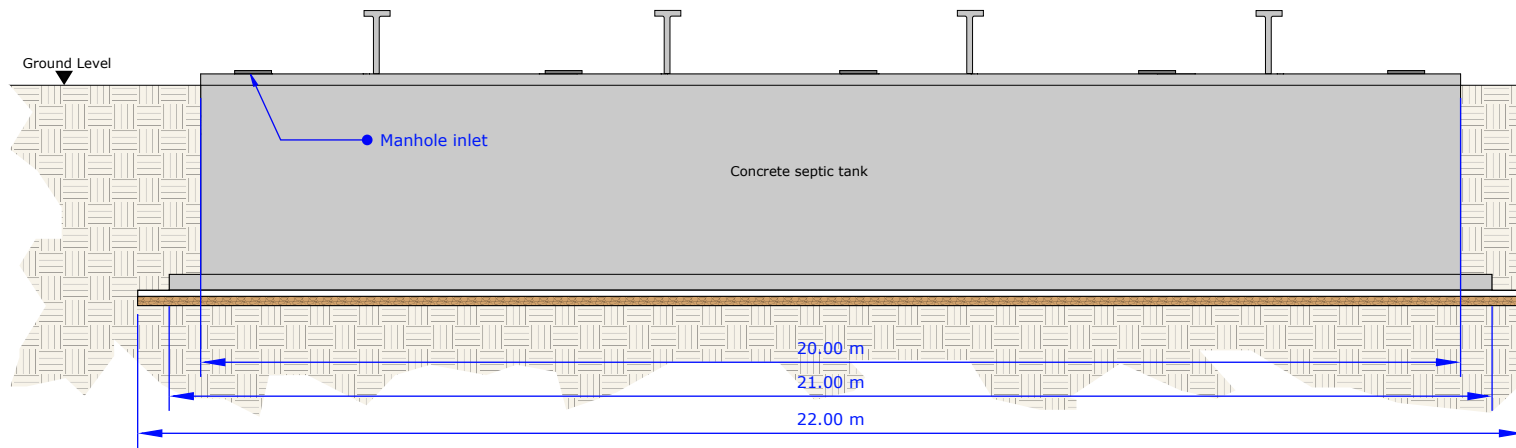
D2 INFRASTRUCTURAL SPACING
NOT TO SCALE



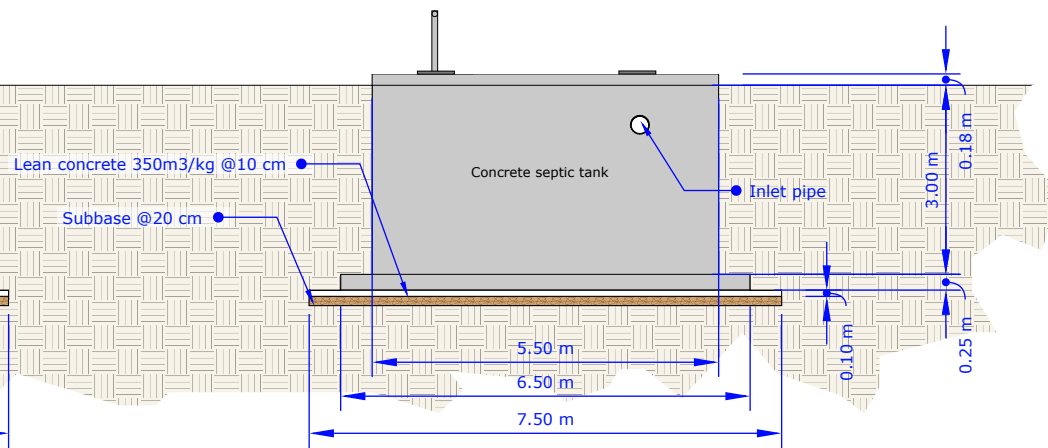
A5 HYDRAULIC DESIGN OF SEPTIC TANK
SCALE 1:80



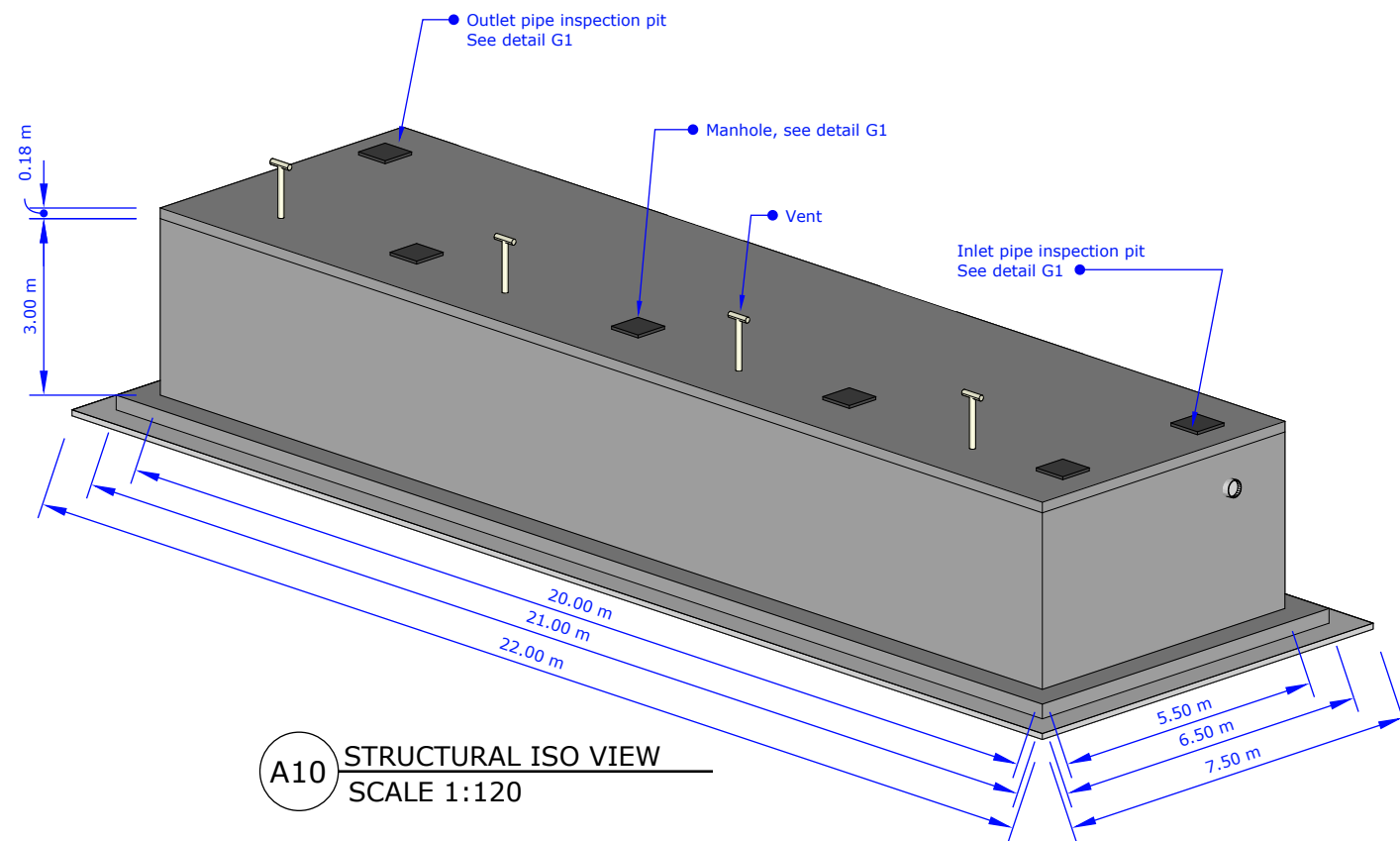
BLUMONT INC.	
Blueprint title:	Wastewater network
Sheet number:	02
Sheet title:	Septic tank - Hydraulic design
Design lead:	Omar Ali Rafeek
Approved by:	Ibrahim A. Ahmed
Date:	4 FEB 2024



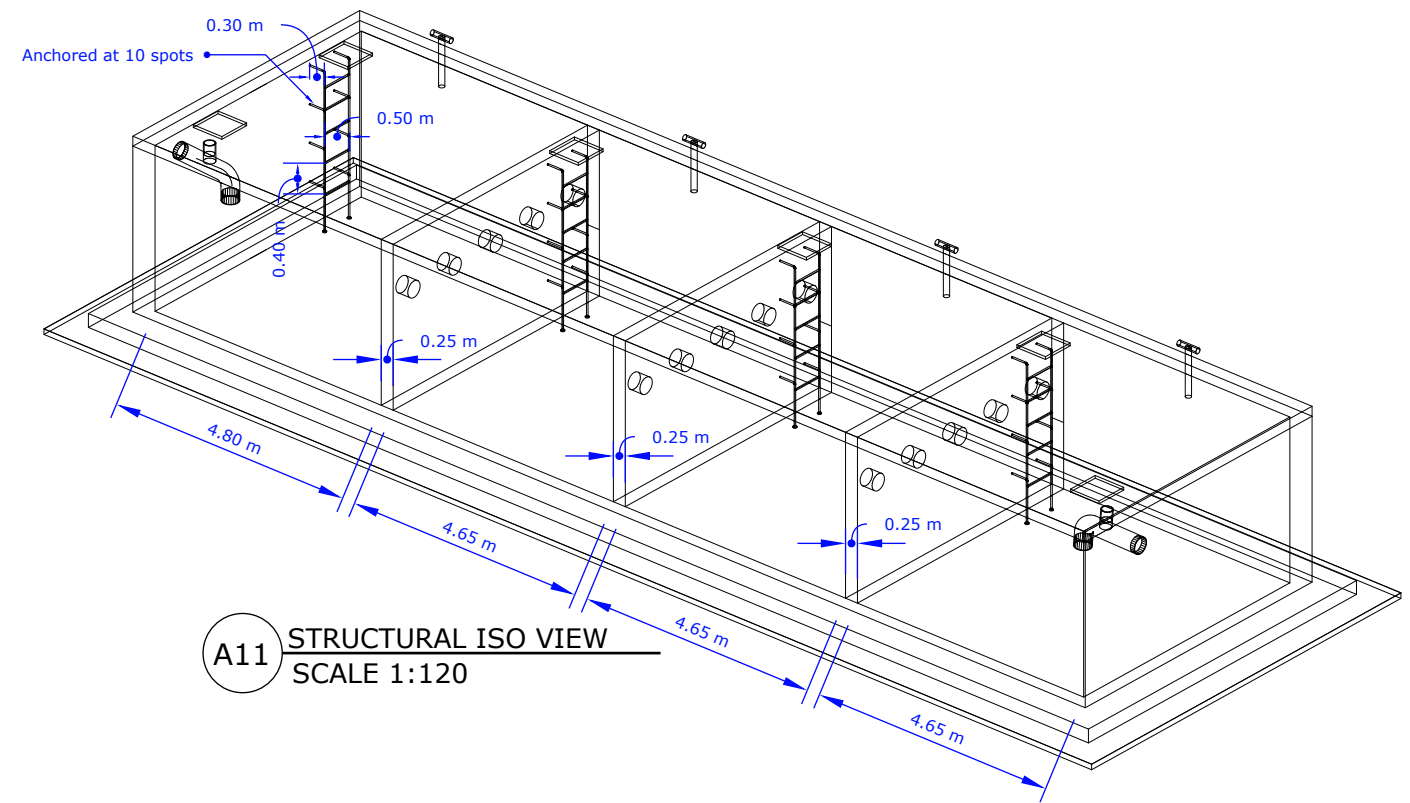
A8 STRUCTURAL SIDE VIEW
SCALE 1:120



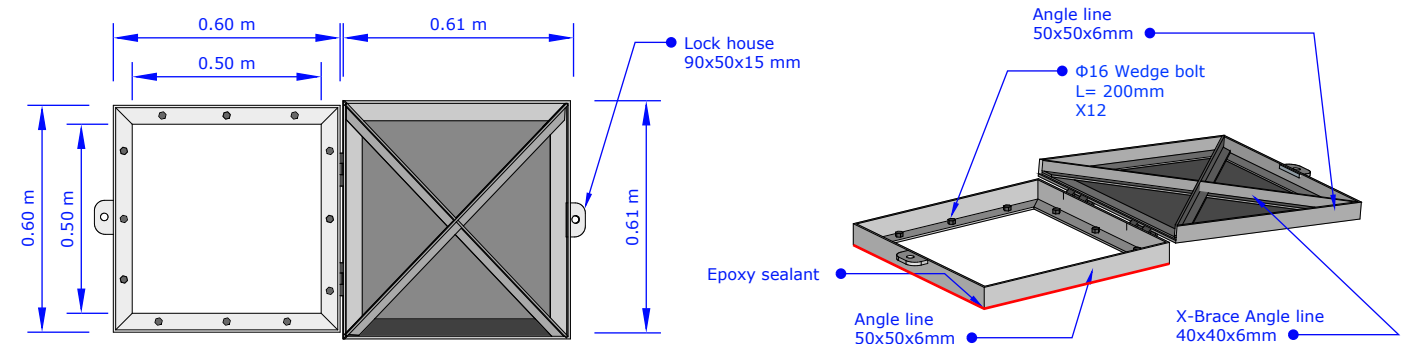
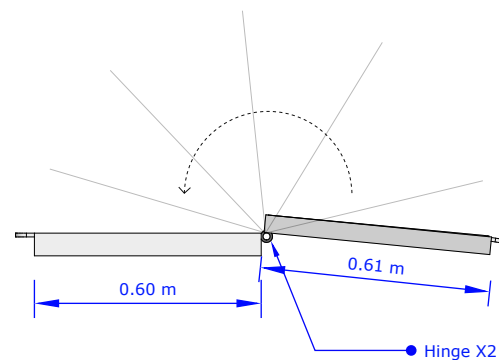
A9 STRUCTURAL FRONT VIEW
SCALE 1:120



A10 STRUCTURAL ISO VIEW
SCALE 1:120



A11 STRUCTURAL ISO VIEW
SCALE 1:120



G1 MANHOLE, INSPECTION PIT DESIGN
SCALE 1:20

BLUMONT INC.

Blueprint title: Wastewater network

Sheet number: 03

Sheet title: Septic tank - Structural design

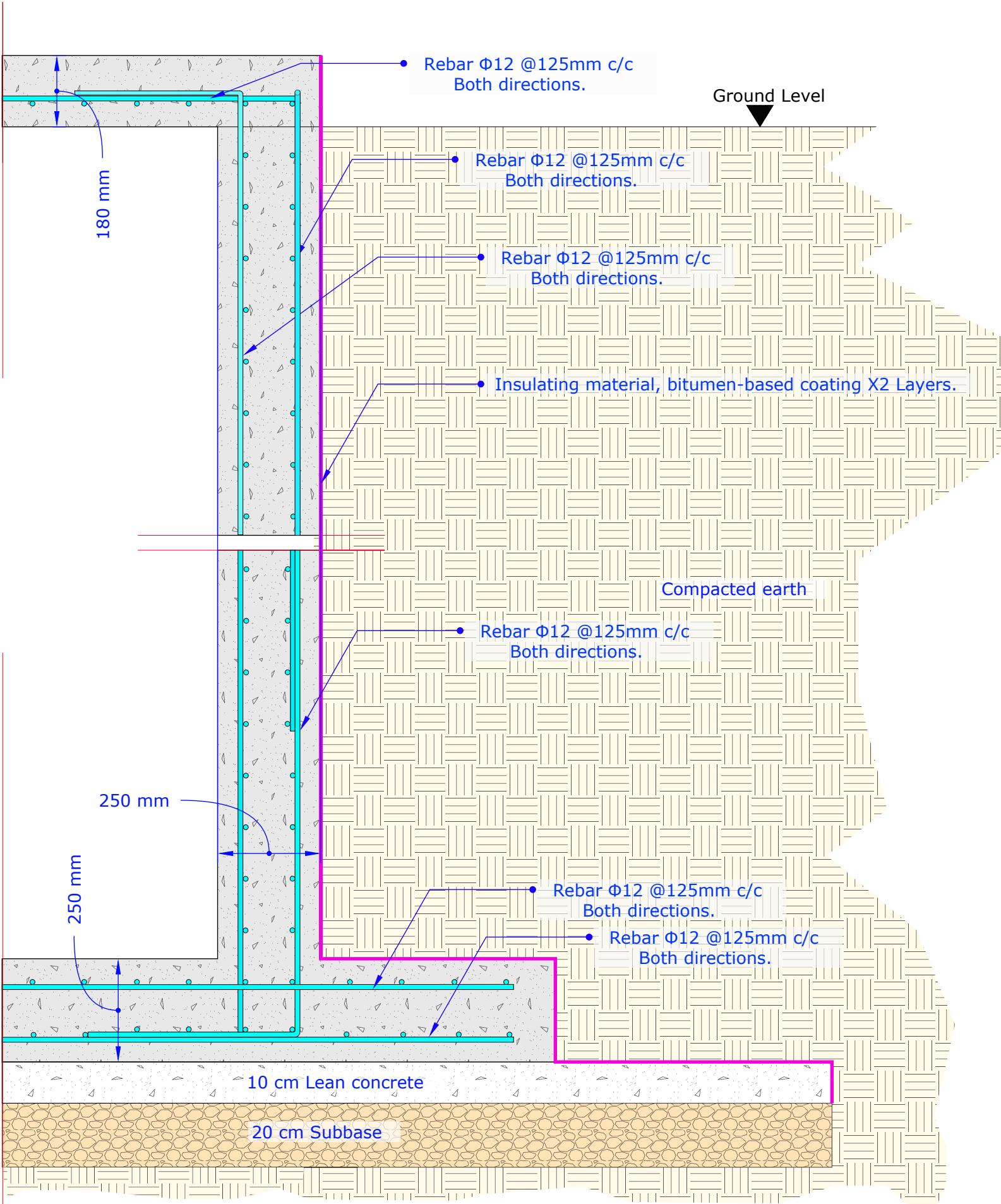
Design lead: Omar Ali Rafeek

Approved by: Ibrahim A. Ahmed

Date: 4 FEB 2024

Rebar	Diameter	Lap splice
●	Ø 22 mm	1650 mm
●	Ø 16 mm	1380 mm
●	Ø 12 mm	1020 mm
Concrete clear cover = 50 mm		
Overlap= 1020 mm		

BLUMONT INC.	
Blueprint title:	Wastewater network
Sheet number:	04
Sheet title:	Septic tank - Structural design
Design lead:	Omar Ali Rafeek
Approved by:	Ibrahim A. Ahmed
Date:	4 FEB 2024



A12 TYP REINFORCEMENT SECTION
NOT TO SCALE