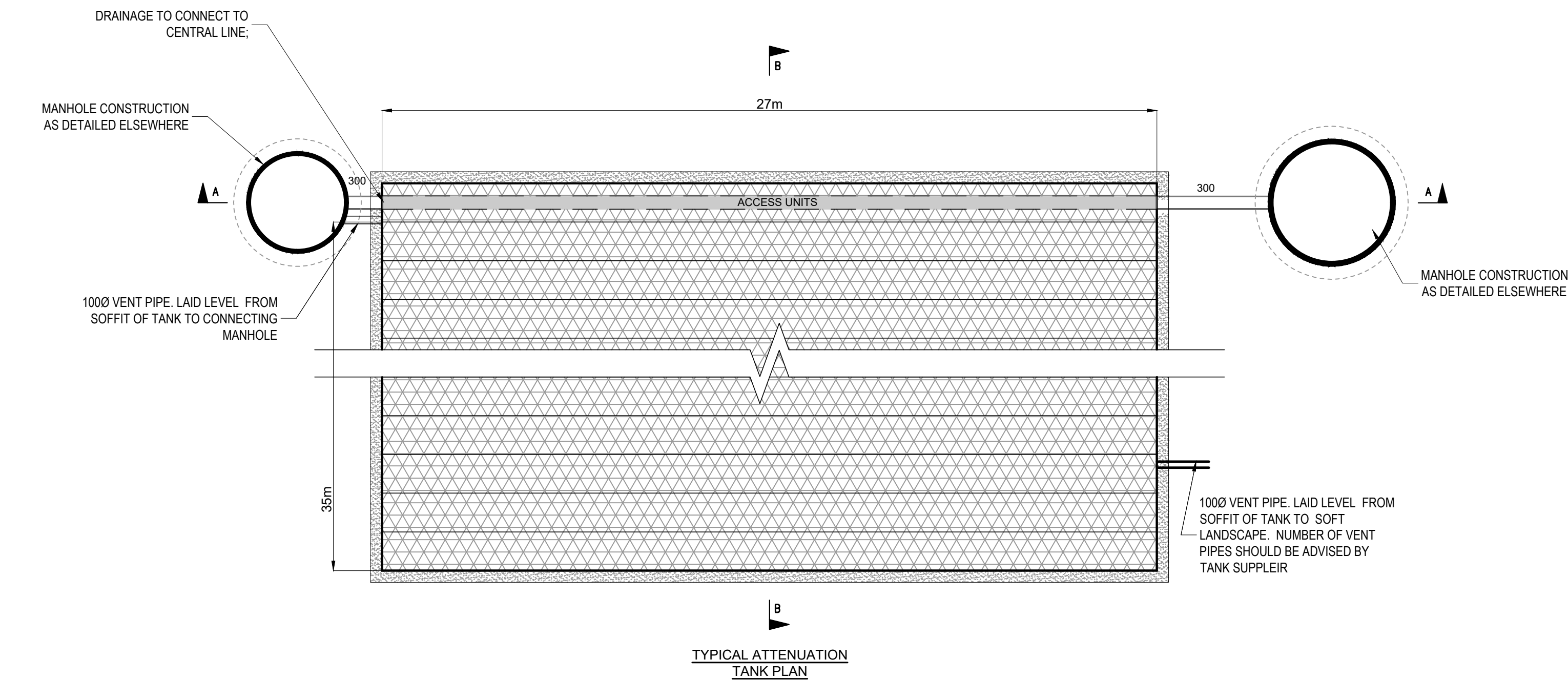




CURRENT DESIGN ASSUMPTIONS

DESIGN BASED ON POLYPIPE PSM2 1000LX500WX400D

TANK IS LOCATED IN AN AREA SUBJECT TO PEDESTRIAN LOADING.

THE MANUFACTURER WILL NEED TO CONFIRM THAT THE TANK HAS SUFFICIENT STRENGTH FOR THIS LOCATION IN ACCORDANCE WITH CIRIA C680.

LOWEST GROUND LEVEL IS 133.84. THEREFORE MIN COVER IS 0.6m.

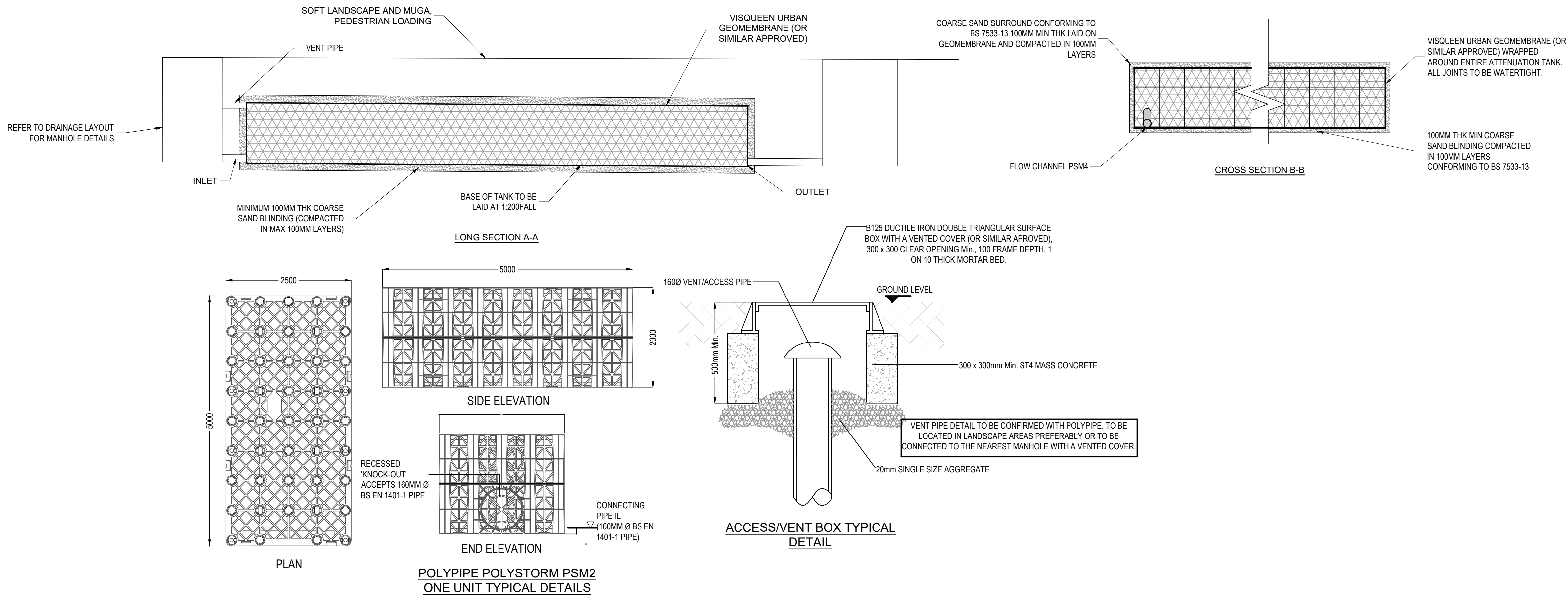
INVERT LEVEL OF INLET PIPES - 132.52
INVERT LEVEL OF OUTLET PIPE - 132.39
BASE OF TANK TO BE LAID AT 1:200 FALL.

DIMENSIONS OF TOTAL UNIT ARE 35m X 27m.
TANK HEIGHT IS 800mm.
ATTENUATION VOLUME, BASED ON 95% VOID RATIO IS 718m³

IMPERMEABLE MEMBRANE, BED AND SURROUND TO BE CONFIRMED WITH THE MANUFACTURER.

REFER TO DRAINAGE LAYOUT SRP1019-CUR-XX-00-DR-C-9212 - PROPOSED DRAINAGE LAYOUT FOR TANK & INLET/OUTLET LOCATIONS.

HIGH GROUND WATER LEVEL 131.61. GROUNDWATER LEVEL IS BELOW THE BASE OF THE ATTENUATION TANK, SO FLOTATION IS NOT AN ISSUE. HOWEVER, TESTS WERE NOT PERFORMED NEAR THE TANK LOCATION. GROUNDWATER LEVEL IN THE TANK LOCATION TO BE CONFIRMED, AND MANUFACTURER SHOULD CARRY OUT THEIR OWN FLOTATION CALCULATIONS.



- GENERAL NOTES:**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
 - ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 - REFER TO DRAINAGE LAYOUT SRP1019-CUR-XX-XX-DR-C-9212 FOR THE LOCATION OF THE ATTENUATION TANK.
 - ATTENUATION TANK TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
 - WHERE AN ALTERNATIVE ATTENUATION TANK DEVICE IS PREFERRED, IT WILL BE SUBJECT TO REDESIGN TO CONFIRM WHETHER THE SYSTEM HAS CAPACITY.
 - THE DESIGN OF THE TANK SHOULD BE PROVIDED BY THE MANUFACTURER OR SUPPLIER TO ENSURE THE TANK IS SUFFICIENT FOR THE SITE SPECIFIC CRITERIA.
 - THE TANK DESIGN SHOULD INCORPORATE:
 - CRATES SUBJECT TO PEDESTRIAN LOADING,
 - SUITABLE MAINTENANCE ACCESS; AND
 - VENTING TO PREVENT TRAPPED AIR POCKETS.
 - THE STRENGTH OF THE TANK SHOULD COMPLY WITH CIRIA C680 STRUCTURAL DESIGN OF MODULAR GEOCELLULAR DRAINAGE TANKS.
 - ACCESS FOR MAINTENANCE SHOULD BE IN ACCORDANCE WITH CIRIA GUIDANCE.
 - VENTING TO THE TANK SHOULD BE CONFIRMED BY THE TANK MANUFACTURER. VENTING SHOULD BE LOCATED WITHIN LANDSCAPED AREAS, OR ROUTED BACK TO THE NEAREST MANHOLE ABOVE THE DESIGN WATER LEVEL.
 - CONSTRUCTION AND INSTALLATION OF THE TANK SHOULD BE STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS.
 - THE CURRENT DESIGN OF THE TANK IS BASED ON USE OF POLYPIPE MODULES, TO ALLOW AN ASSUMPTION OF UNIT SIZES WITHIN THE OVERALL DESIGN. HOWEVER, WHERE AN ALTERNATIVE SYSTEM IS PROPOSED, THE DIMENSIONS OF THE UNITS WILL NEED TO BE CHECKED WITHIN THE DESIGN AND MAY RESULT IN A REDESIGN.
 - THE CONTRACTOR SHALL PROHIBIT THE MOVEMENT OF CONSTRUCTION PLANT ACROSS THE STORAGE TANK AND WHERE NECESSARY PROVIDE ADDITIONAL SUPPORT AND PROTECTION TO THE STRUCTURE. PARTICULARLY POST CONSTRUCTION. TEMPORARY FENCING CAN BE USED TO PROHIBIT TRADE STOCKS, PILING MATERIALS, HEAVY PLANTS ETC.
 - FOR FULL DRAINAGE NOTES REFER TO SRP1019-CUR-XX-XX-DR-C-9224.
 - FINAL DESIGN IS SUBJECT TO CONTRACTOR'S DESIGN PORTION

P03	STAGE 4 ISSUE	19.08.22	TH	MW
P02	ISSUED FOR PLANNING	25.05.22	TH	MW
P01	DRAFT CONTRACTOR'S PROPOSALS	08.04.22	TH	MW

Rev:	Description:	Date:	By:	Chkd:

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Status:				
STAGE 4				
Project:				
NEWHOUSE ACADEMY				
Orig Title:				
DRAINAGE DETAILS SHEET 4				
Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	08.04.22	TH	MW	MW
Scale: N.T.S				
Project No:	Originator:	Zone:	Level:	Type: Discipline: Category / Number: Rev:
SRP1019- CUR - XX - XX - DR - C - 9223 -P03				