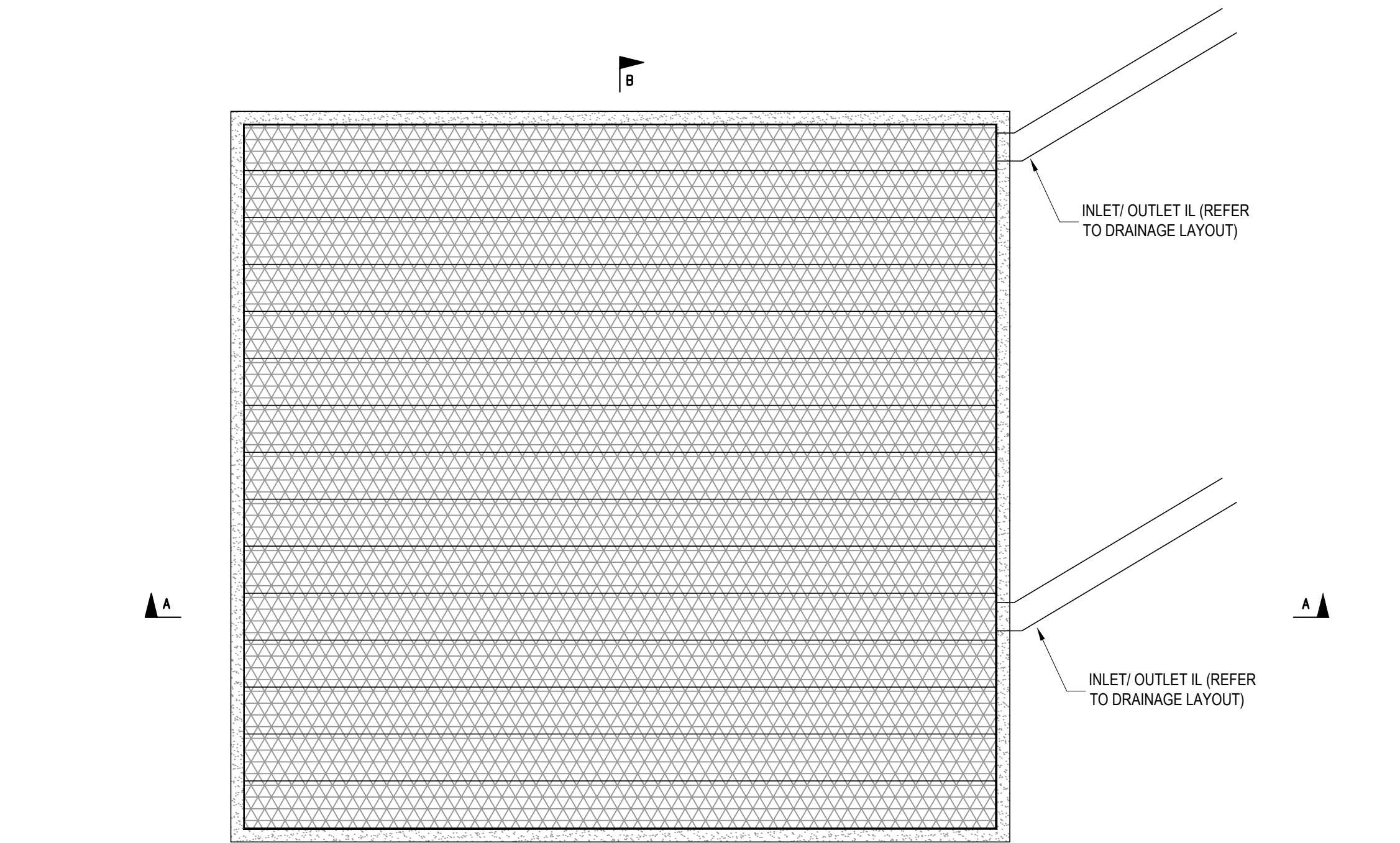
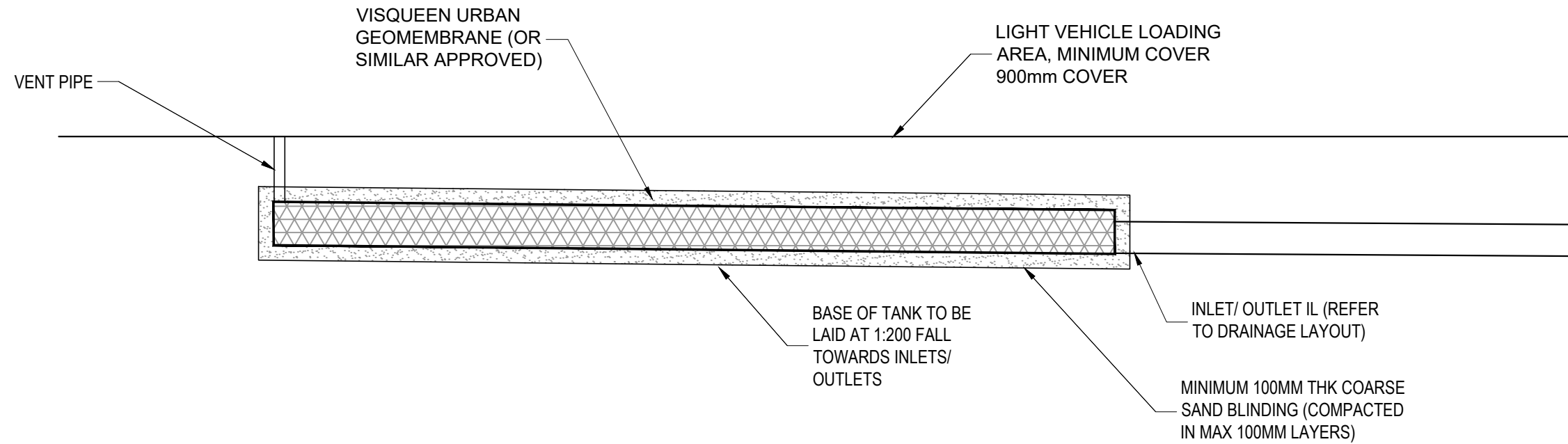
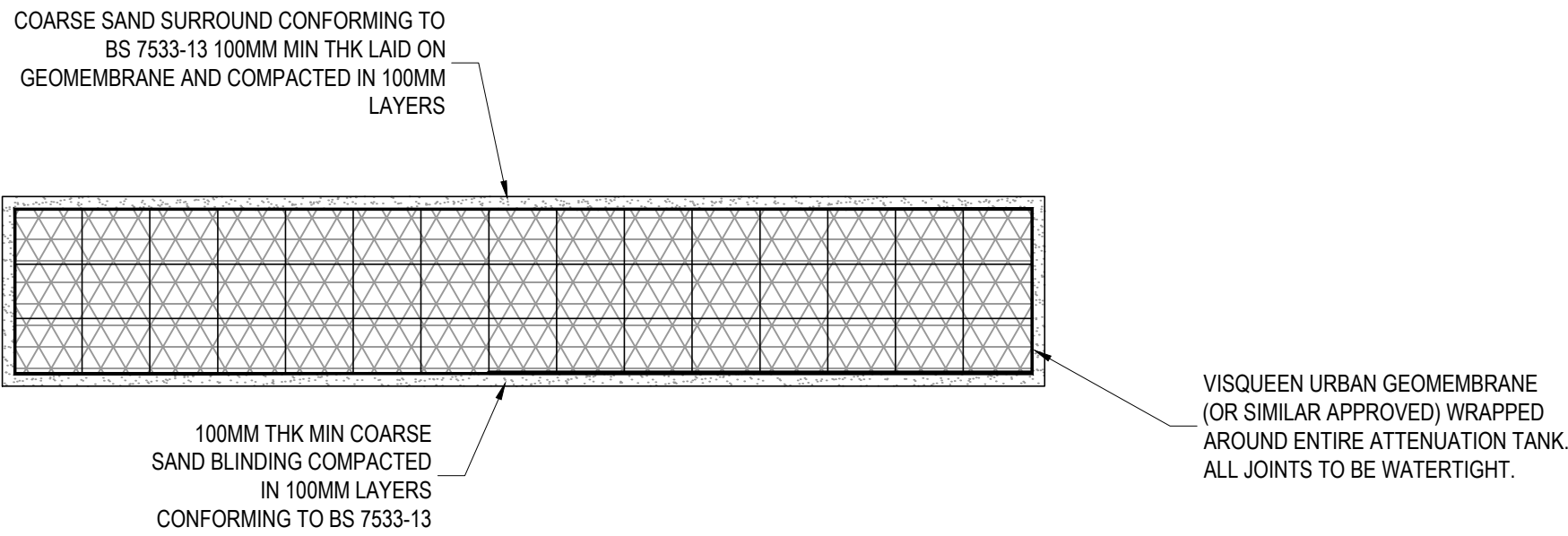




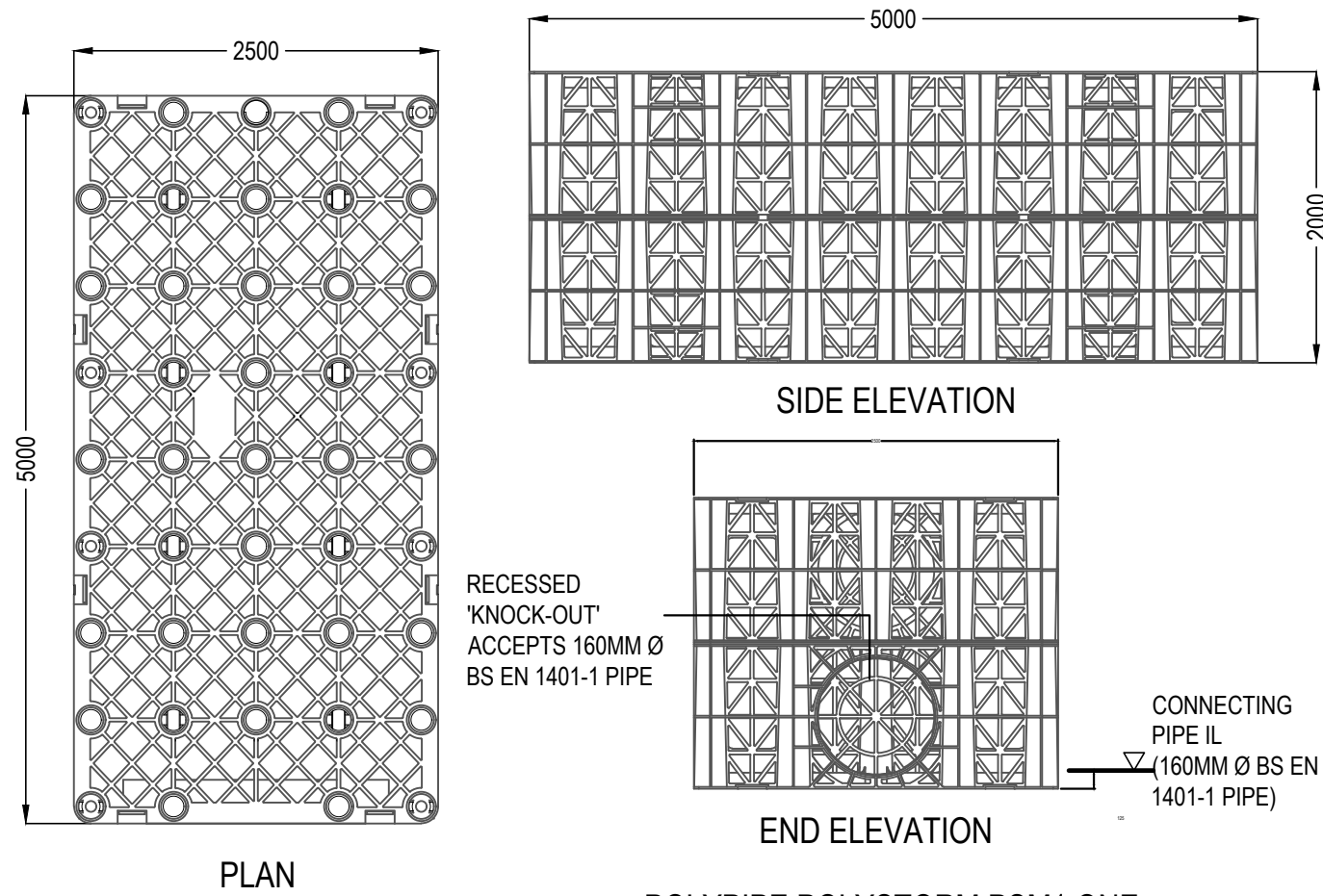
TYPICAL ATTENUATION
TANK PLAN



LONG SECTION A-A



CROSS SECTION B-B



POLYPIPE POLYSTORM PSM1 ONE
UNIT TYPICAL DETAILS

U/S MANHOLE	BASE LEVEL	TOP OF TANK LEVEL	MIN GROUND LEVEL	MAX GROUND LEVEL	MIN COVER TO TOP OF TANK	MAX COVER TO TOP OF TANK	LOADING	LENGTH 'X'	WIDTH 'Y'	DEPTH 'Z'	VOLUME
HEADWALLS	52.26	52.66	53.50	53.50	0.82	0.82	PEDESTRIAN	8m	7.5m	0.4m	24m³

CURRENT DESIGN ASSUMPTIONS

DESIGN BASED ON POLYSTORM UNITS. 1000x500x400(D), MANUFACTURER TO CONFIRM EXACT TYPES REQUIRED.

DETAILED STRUCTURAL CALCULATIONS REQUIRED TO PROVE TANK HAS SUFFICIENT STRENGTH. REFER TO TABLE FOR TANK LOADINGS.

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

SEE TABLE FOR INVERT LEVELS, COVER LEVELS & COVER DEPTHS

SEE TABLE FOR DIMENSIONS OF TANKS AND VOLUMES
ATTENUATION VOLUME, BASED ON 95%

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

REFER TO DRAINAGE LAYOUT 084783-CUR-YP-XX-D-C-92500 FOR INLET/ OUTLET LOCATIONS

GROUNDWATER LEVEL NOT KNOWN. FINAL DESIGN TBC BY MANUFACTURER.

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 Z1-CUR-GS80-PL-GRD-92500 FOR THE LOCATION OF THE ATTENUATION TANK.
- ATTENUATION TANK TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
- THE CURRENT TANK IS BASED ON POLYSTORM UNITS BY POLYPIPE. 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 REGULAR HEAVY VEHICLE 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, PILLING MATERIALS, HEAVY PLANTS ETC.
- FOR FULL DRAINAGE NOTES REFER TO 076038-CUR-XX-00-DR-D-92020

P02	REFERENCES UPDATED	18/08/26	ATL	ATL
P01	STAGE 4 ISSUE	23/07/26	ATL	PB
Rev:	Description:	Date:	By:	Chkd:

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Status: **SUITABLE FOR INFORMATION** **S2**

Project: **HASSOCKS - RESIDENTIAL HOME**

Orig Title: **DRAINAGE DETAILS
SHEET 4**

Drawn By ATL	Designed By ATL	Checked By PB
Date 23/07/26	Scales @ A1 NTS	Revision

Project No - Originator - Function - Spatial - Form - Discipline - Number	Revision
076038 - CUR - XX - 00 - DR - D - 92014	P02