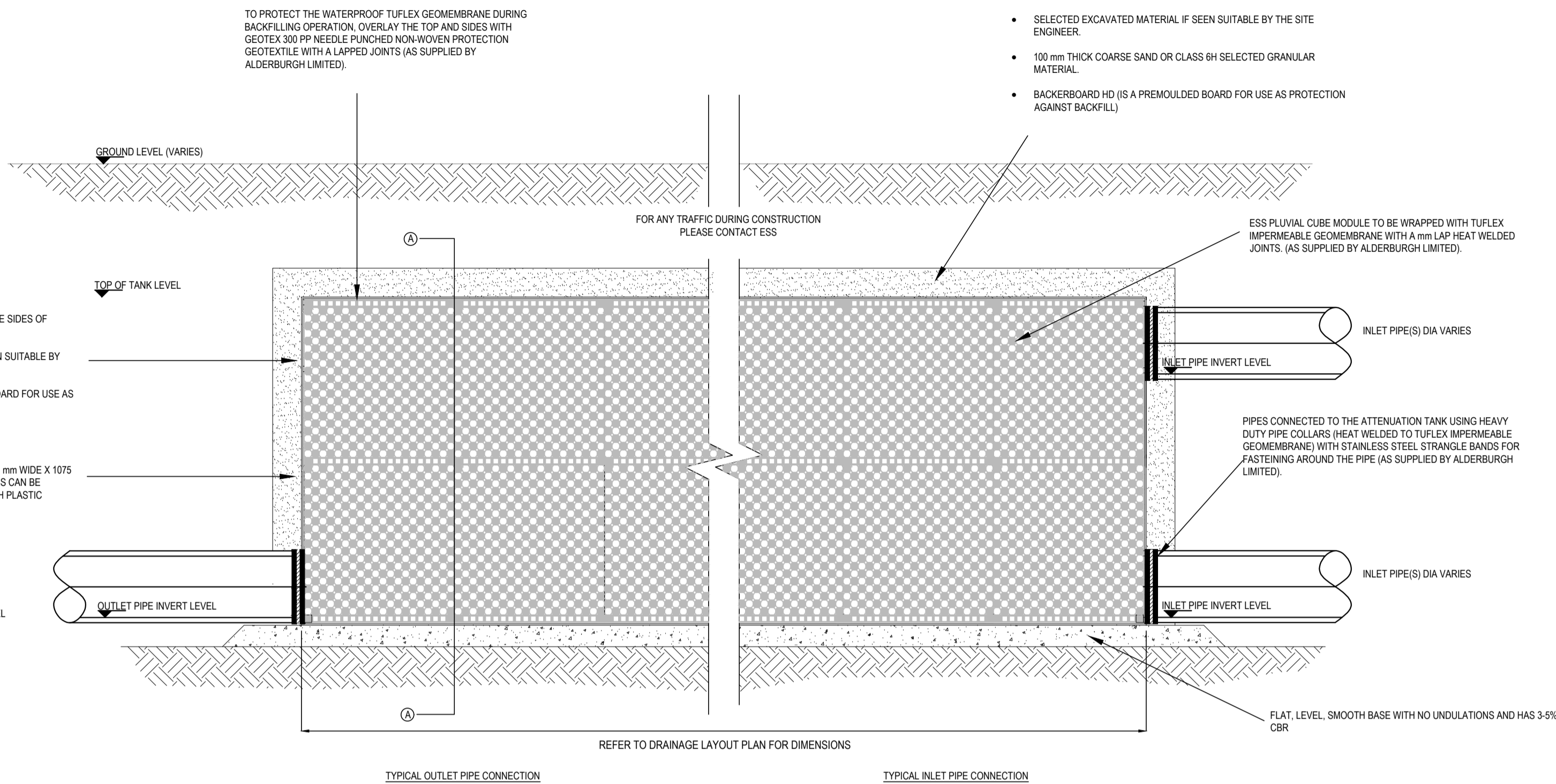


TYPICAL VENT BOX DETAIL
(OPTION 2)

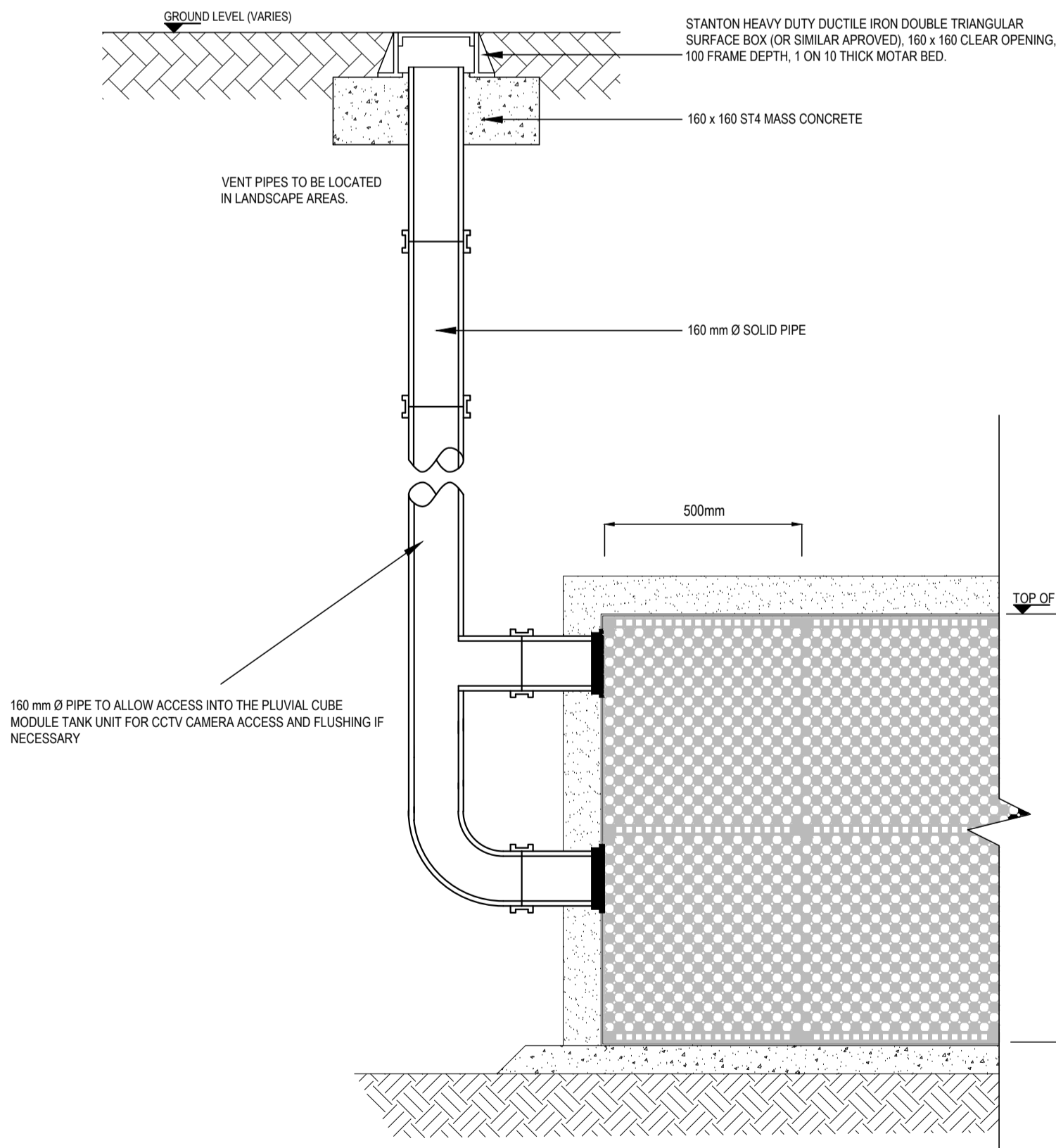
A 3 - 5% CBR HAS BEEN ASSUMED AT SUB-BASE LEVEL SHOULD THE CBR BE TESTED AND FOUND TO BE LESS THAN 3% THEN THE ENGINEER SHALL BE NOTIFIED. ALSO, ANY SOFT SPOTS FOUND AT SUB-BASE LEVEL SHALL BE REPORTED TO THE ENGINEER

- BACKFILL SUGGESTIONS OPTIONS AROUND THE SIDES OF PLUVIAL CUBE MODULAR UNIT:
- SELECTED EXCAVATED MATERIAL IF SEEN SUITABLE BY THE SITE ENGINEER.
 - BACKERBOARD HD (IS A PREMOULDED BOARD FOR USE AS PROTECTION AGAINST BACKFILL)

ESS PLUVIAL CUBE MODULE (500 mm LONG x 500 mm WIDE x 1075 mm HIGH) ARRANGEMENTS AS SHOWN. MODULES CAN BE SECURED AS A 'HOUSE KEEPING' MEASURE WITH PLASTIC PROPRIETARY CABLE TIES.



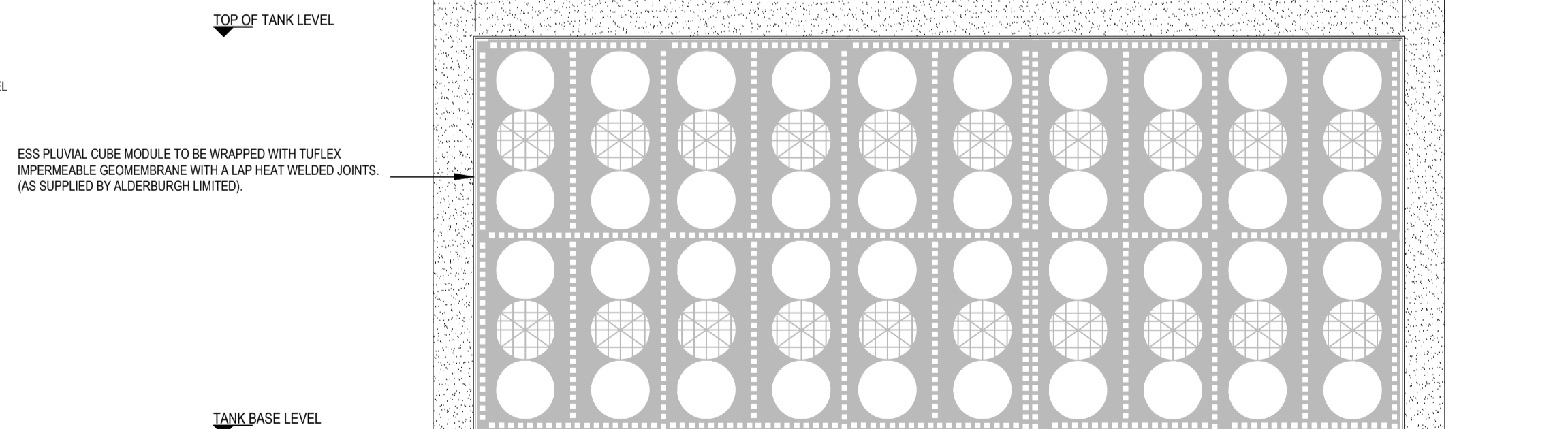
TYPICAL DETAILS OF ATTENUATION TANK USING PLUVIAL CUBE
MODULE UNITS



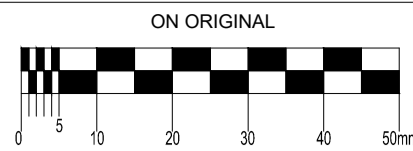
TYPICAL 1600mm VENT/ACCESS PIPE CONNECTION
OPTION 1

INLET/OUTLET PIPES MUST BE SUPPORTED WITH CONCRETE TO PROTECT IT DURING BACKFILLING

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.,



TYPICAL DETAILS OF ATTENUATION TANK USING PLUVIAL CUBE
MODULE UNITS
SECTION A-A



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NOTES:

- C20/25 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 280kg/m³. MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
- C25/30 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 280kg/m³. MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
- C40/50 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 400kg/m³. MAXIMUM WATER/CEMENT RATIO OF 0.45 AND SLUMP CLASS S3.
- WHERE CLASS B716/2 CAPPING MATERIAL IS PROPOSED WITHIN 500mm OF CONCRETE OR STEEL, CLASS BN TO BE USED INSTEAD.
- WHERE FOOTPATHS ARE LOCATED ADJACENT TO ROADS, C40/50 CONCRETE TO BE USED. ALTERNATIVELY, FOOTPATHS LOCATED BEHIND VERGES C25/30 CONCRETE MAY BE USED.

NOTE:
ALL WORKS & SPECIFICATIONS TO BE UNDERTAKEN IN ACCORDANCE WITH:
• TII SPECIFICATION FOR ROADWORKS
• GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS
• RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS