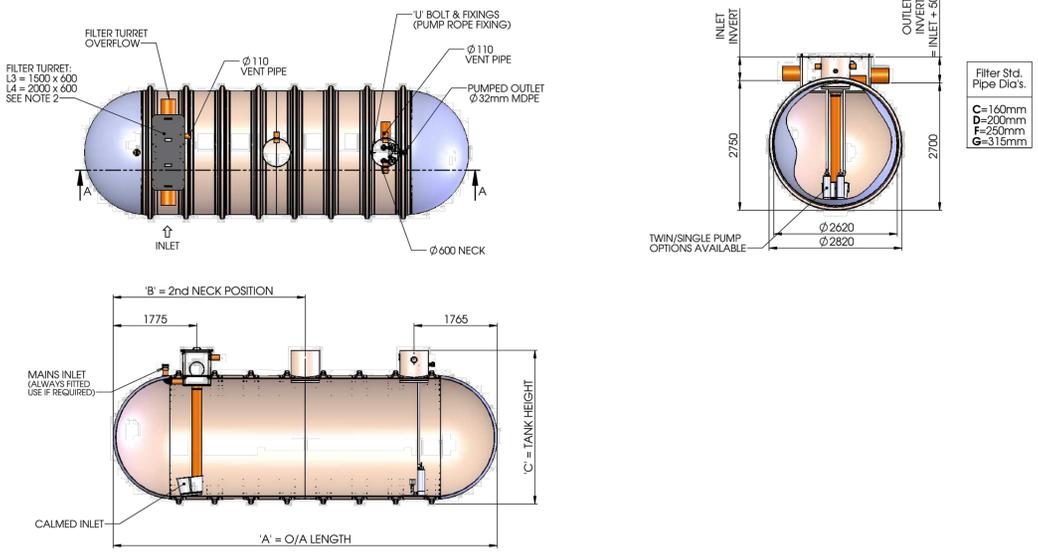


NOTES FOR ATTENUATION SYSTEM:

- MC-3500 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

(KLARGESTER RAIN WATER HARVESTING STORAGE TANK AND FILTER SHOWN OR SIMILAR APPROVED)

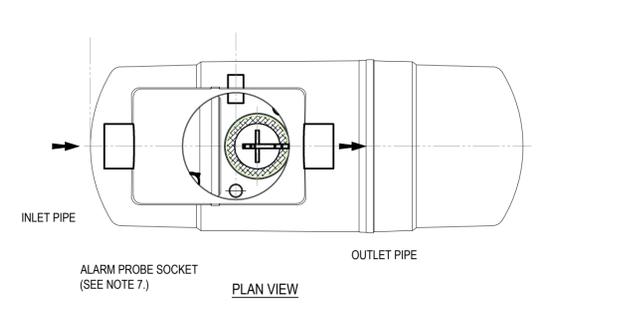
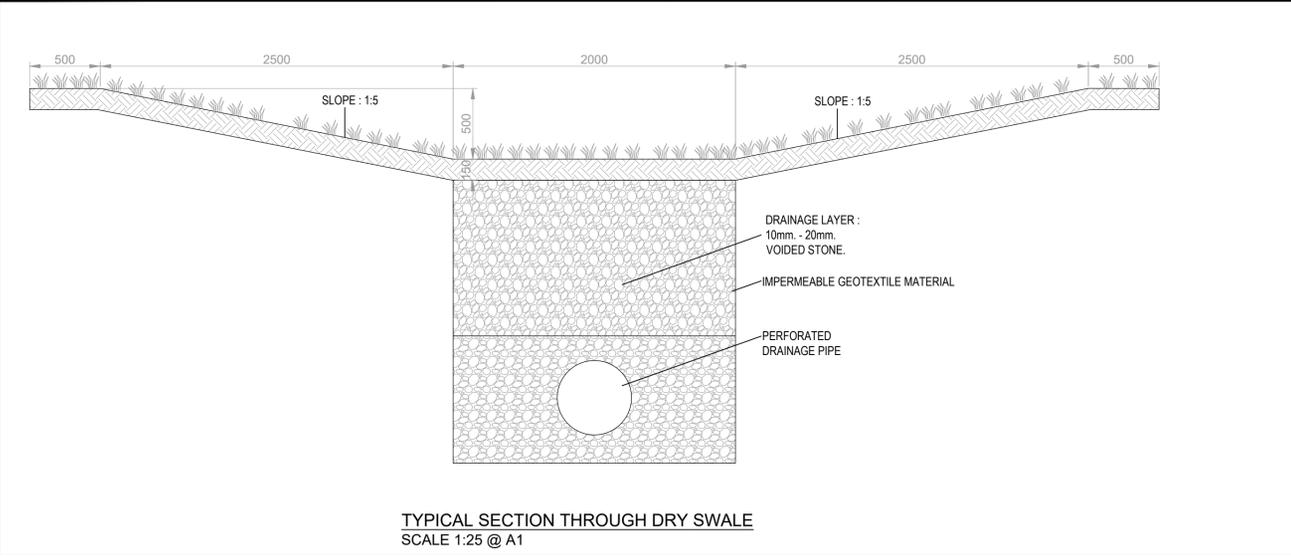
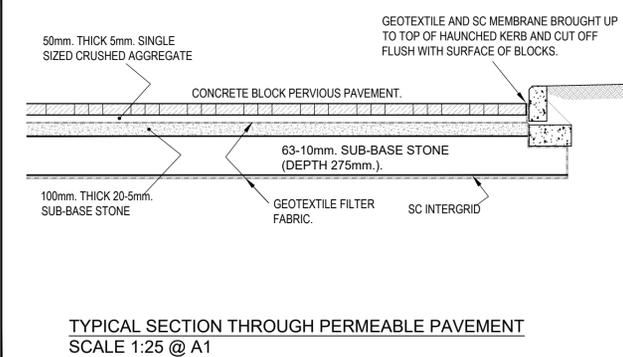
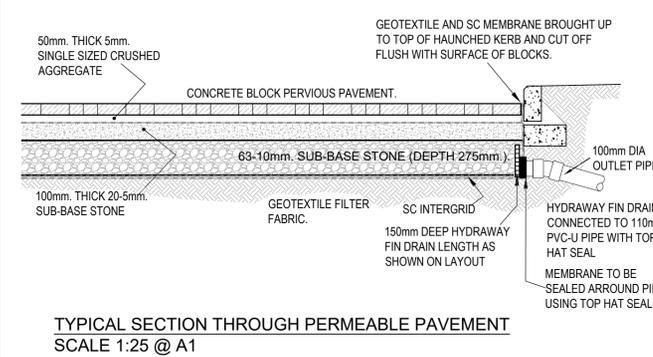
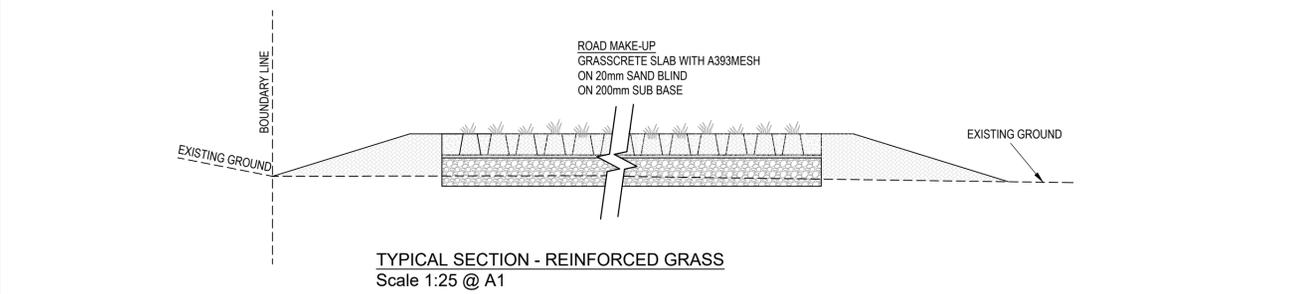


TYPICAL RAIN WATER HARVESTING STORAGE TANKS & FILTER
Scale 1:50 @ A1

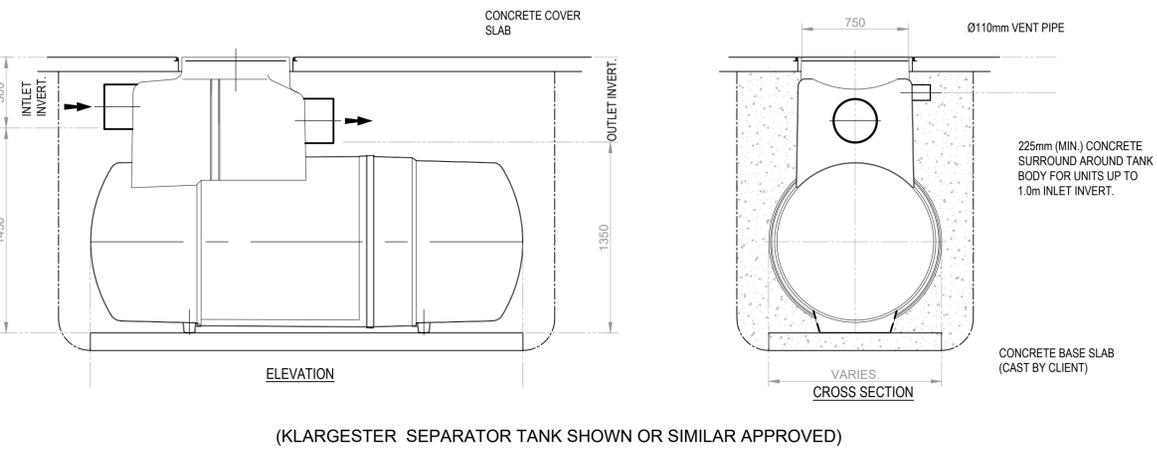
NOTE: CONFIDENTIAL, NO THIRD PARTY DISCLOSURE ALLOWED.
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T.J. O'Connor and Associates
Royal Haskoning DHV 2014

1. All levels are in metres and relate to O.S. Datum MALIN.
2. This drawing is reproduced from digital maps:
O.S. MAPS - Scale 1:2,500
O.S. MAPS - Scale 1:1,000
Discovery Series - Scale 1:50,000
3. All Maps are referenced to IRISH NATIONAL GRID (I.T.M.)
4. Reproduced from the Ordnance Survey of Ireland by Permission of the Government. License No. 3-3-34.

DRAWING NOTES:
1. ALL DIMENSIONS IN MILLIMETERS UNLESS SPECIFIED.



- BYPASS SEPARATOR NOTES:**
- INLET / OUTLET PIPES ARE PLAIN PVCu.
 - PLEASE NOTE A CLASS 1 BYPASS SEPARATOR INCLUDES A COALESCER, CLASS 2 BYPASS SEPARATORS DO NOT.
 - EXTENSION NECKS FOR DEEPER INVERT CAN BE PROVIDED IN 0.5m INCREMENTS FOR ON SITE ASSEMBLY. PLEASE ASK OUR SALES DEPARTMENT FOR FURTHER DETAILS.
 - ALL UNITS REQUIRE APPROPRIATE COVER AND FRAME TO SUIT APPLIED LOADINGS.
 - THIS DRAWING SHOULD BE USED FOR DIMENSIONAL INFORMATION ONLY
 - STANDARD PIPE ORIENTATION SHOWN. FOR OTHER AVAILABLE OPTIONS PLEASE CONTACT OUR SALES DEPARTMENT.
 - AN Ø82mm SOCKET IS SUPPLIED TO HOUSE AN OIL ALARM PROBE.



Rev.	Date	Drawn	Checked	Approved	Description
0	JUNE 18	ROB	ED	RK	PLANNING APPLICATION

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Component: REGIONAL BIOSOLIDS STORAGE FACILITY

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Drawn By:	Checked By:	Approved By:	Date:
ROB	ED	RK	JUN.2018

Client Project Ref: IW-RGD/10000308 Project Stage: PLANNING

Internal Project Ref: Ring01/JBB-Y17702/TJOC-14040/RHDHV-BB4342

Drawing Title: **SURFACE WATER DRAINAGE TYPICAL DETAILS**

Scales: AS SHOWN.

Drawing Register No.:	Drawing No.:	Rev.:
016	Y17702-PL-016	0