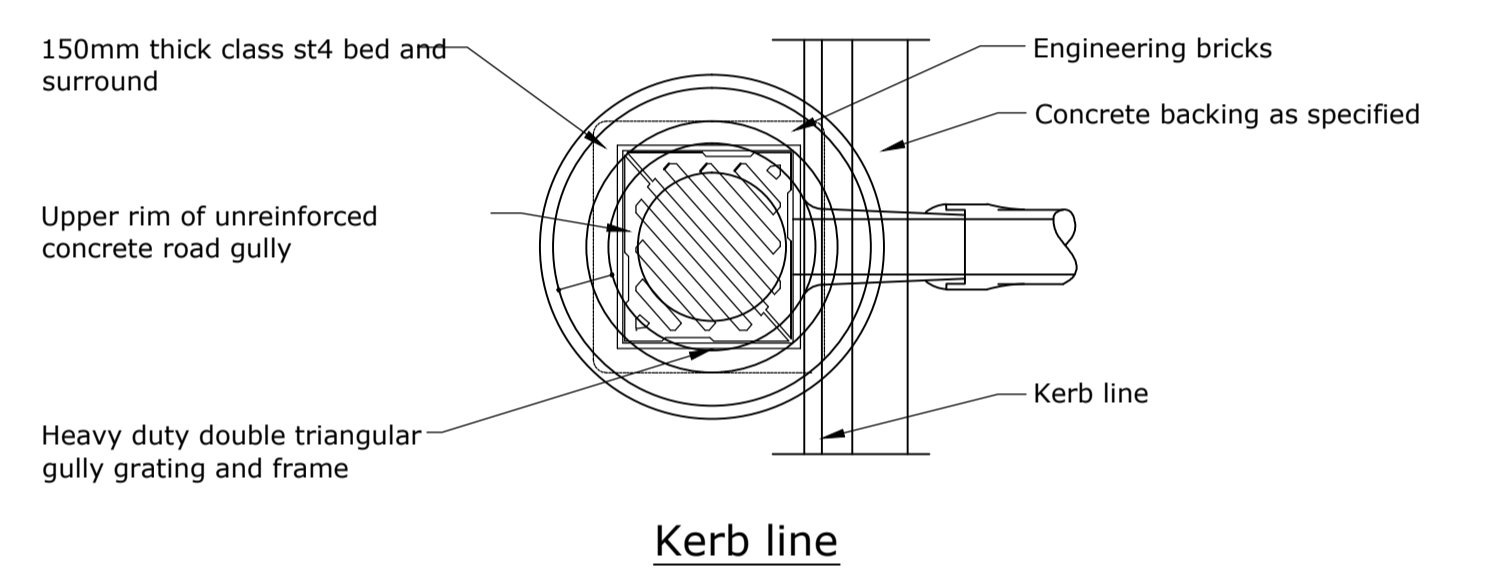
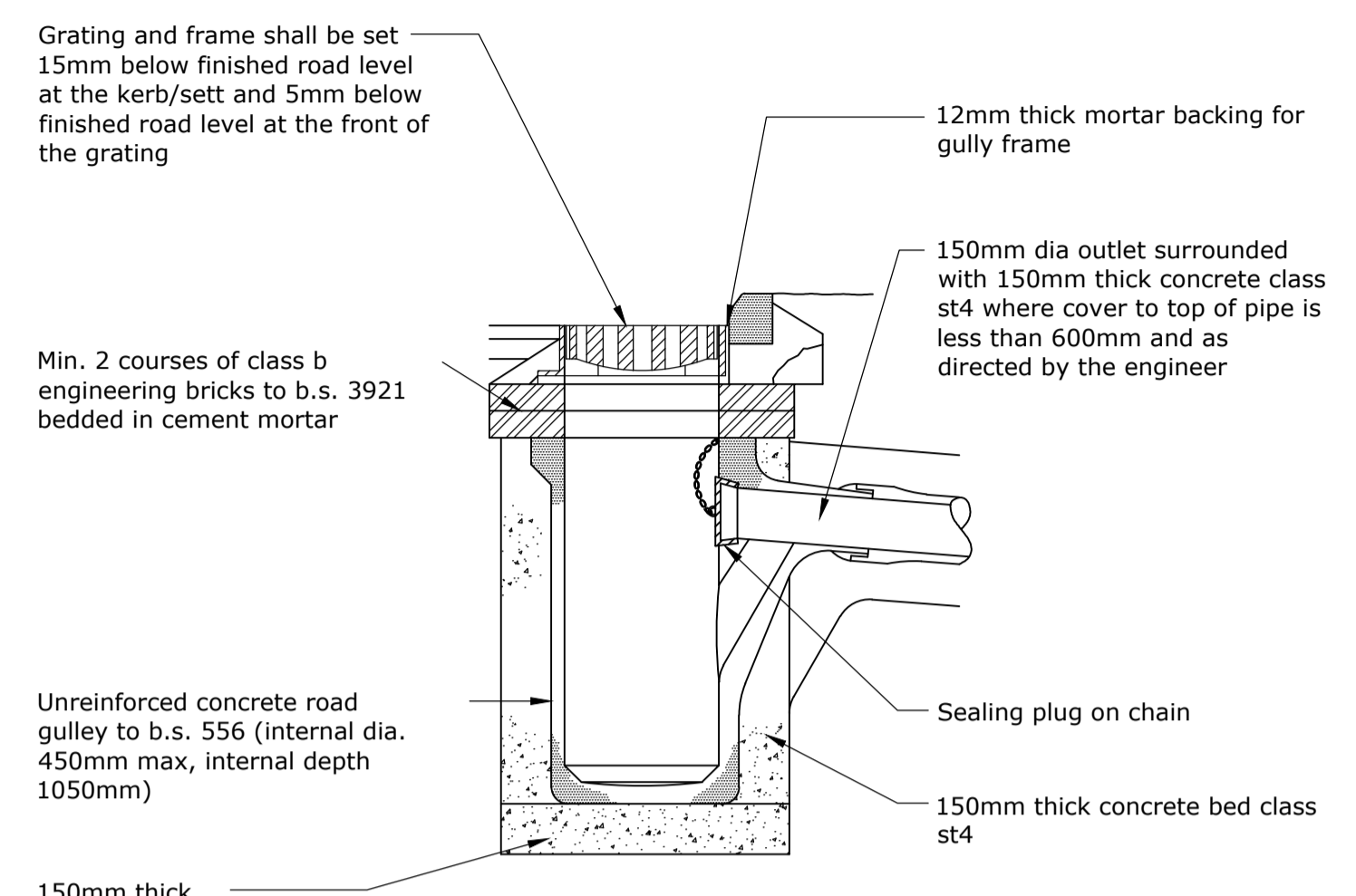
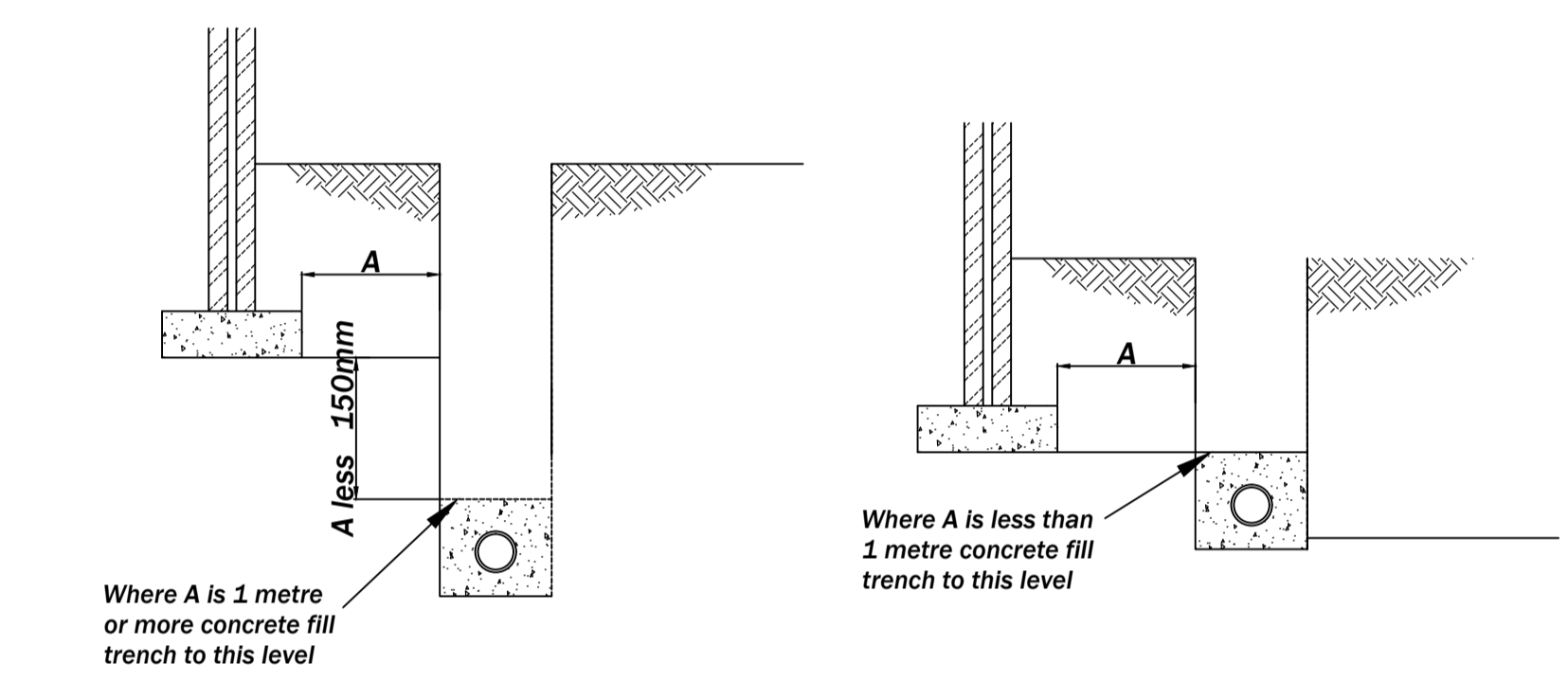
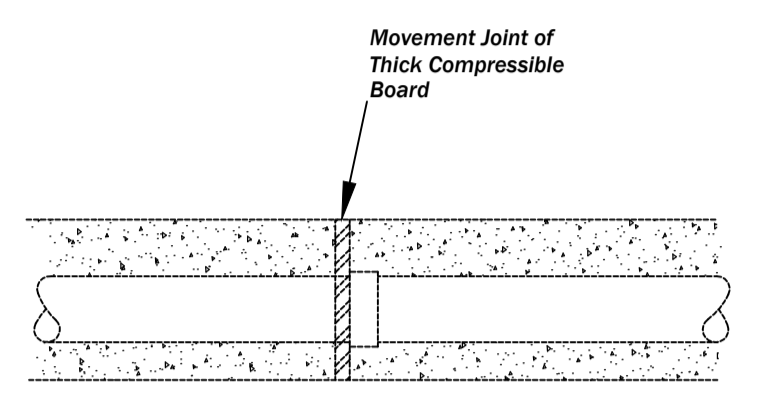
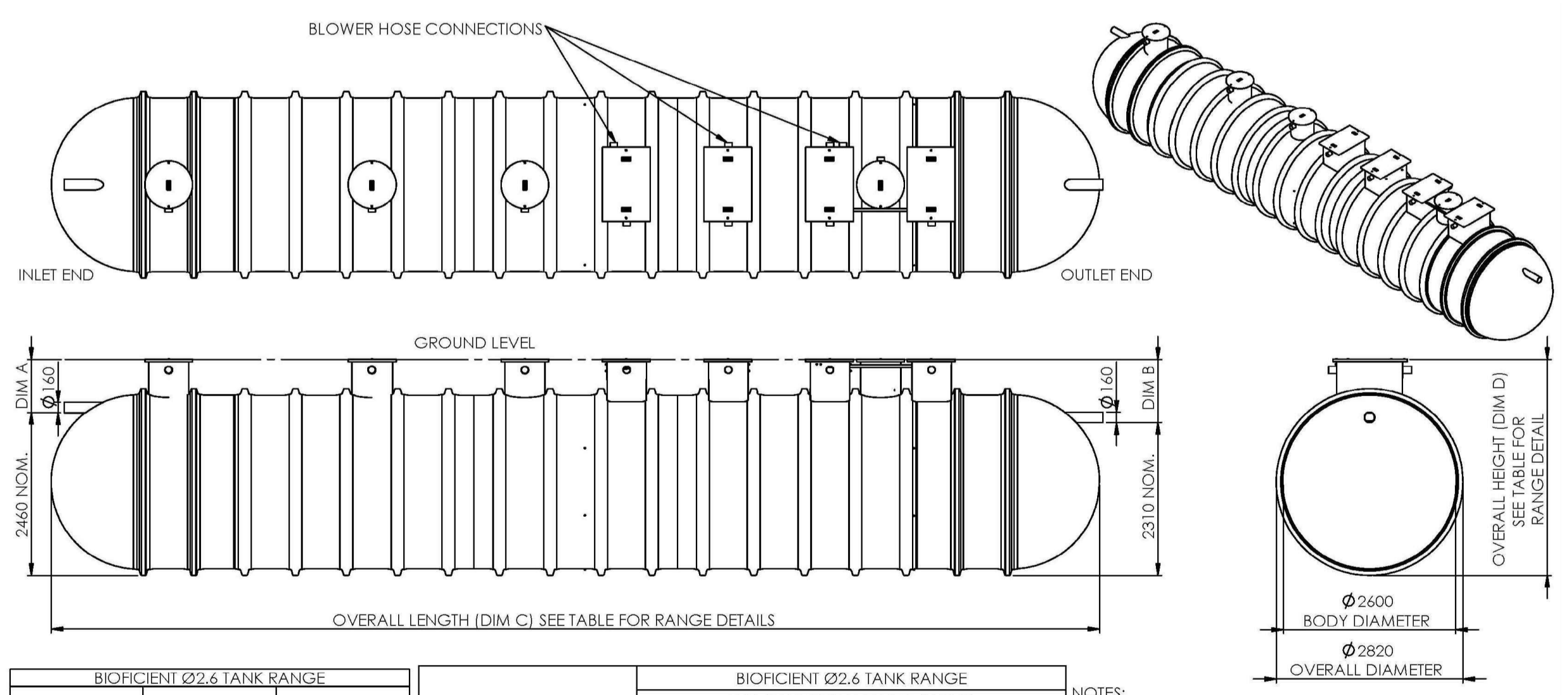


Bedding Types for Rigid Pipes.

- Notes:**
- Movement joints shall be formed in Bed Type Z at each socket or sleeve joint
- Selected Fill:** free from stones larger than 40mm lumps of clay over 100mm, timber, frozen material, vegetable matter.
 - Granular Material:** should conform to BS EN 1619 Annex B Table B15 and should be single size material from 5mm up to a max of 10mm for 100mm pipes 14mm for 150mm pipes, 20mm for pipes upto 600mm and 40mm for pipes greater than 600mm diameter. Compaction fraction maximum 0.3 for Bed Type N or B and 0.15 for Bed Type F
 - Concrete bed nad surround**

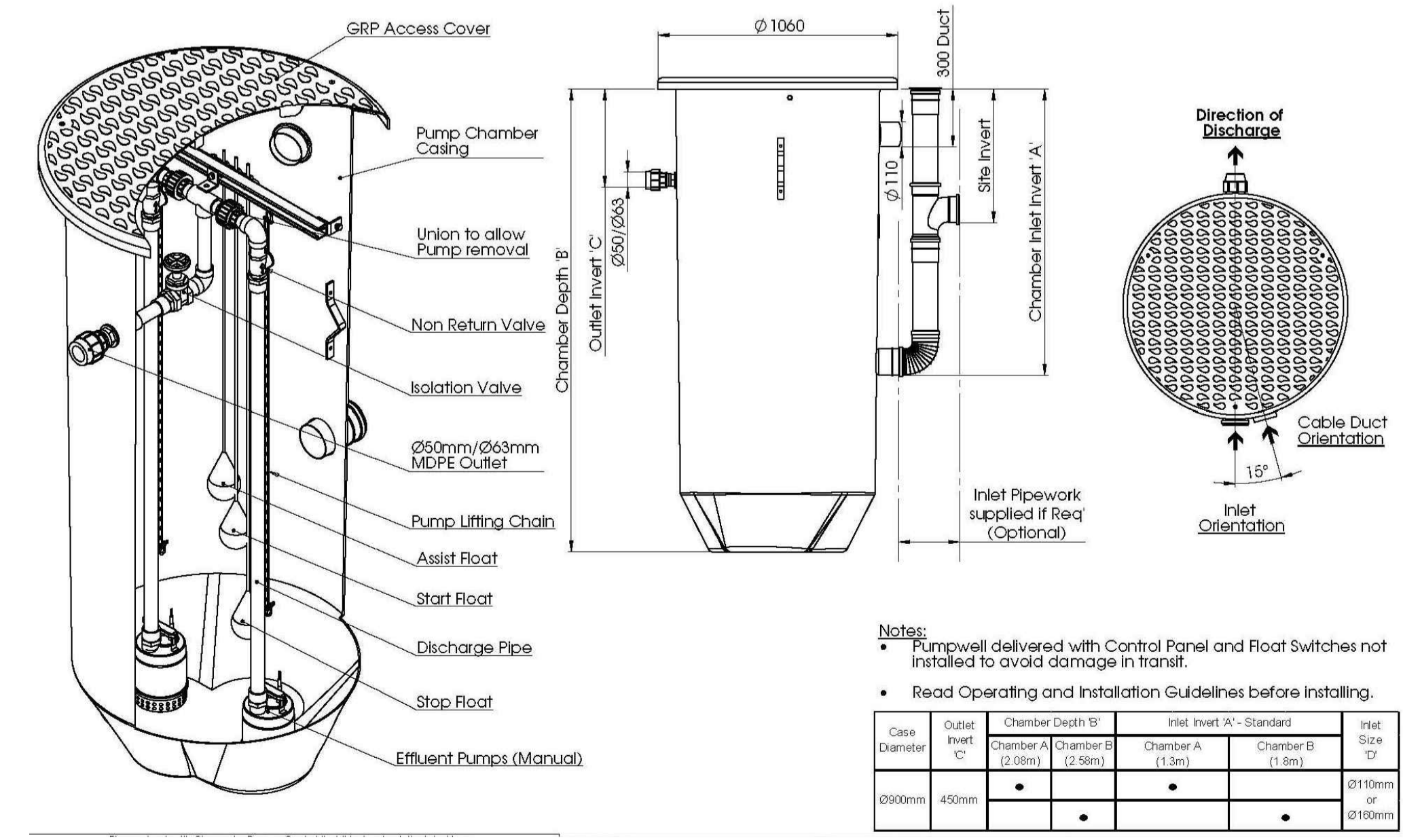


Gully Detail



BIOFICIENT Ø2.6 TANK RANGE			BIOFICIENT Ø2.6 TANK RANGE						
INLET INVERT (DIM A)	OUTLET INVERT (DIM B)	OVERALL HEIGHT (DIM D)	NOMINAL UNIT VOLUME (LITRES)						
			34000	38000	42000	47000	55000	67000	80000
0500	650	2960							
0800	950	3260							
1500	1650	3960							
2000	2150	4460							
			NO. OF TURRETS	6	6	7	7	8	8
			INLET & OUTLET DIAMETER	160	160	160	160	160	160
			UNIT LENGTH (DIM C)	7376	8150	8917	9684	11222	13528
			UNIT WEIGHT (APPROX)	3000Kg	3200Kg	3400Kg	3800Kg	4200Kg	4700Kg

- NOTES:**
- Units are available with the inlet inverts shown in the table. Selection of the correct inlet invert is key, it must be suitable for the drainage and ground levels on site, the invert CANNOT be altered once the plant is installed. In any circumstance, the maximum allowable inlet invert is 2000mm.
 - It is important to read and understand the installation and operation guidelines before attempting to install this unit.
 - Each unit is supplied with pedestrian duty manhole covers and frames to suit.
 - Vent pipe connections are supplied, but vent runs and stack are by others.



Notes:

- Pumpwell delivered with Control Panel and Float Switches not installed to avoid damage in transit.
- Read Operating and Installation Guidelines before installing.

Case Diameter	Outlet Invert	Chamber Depth B	Inlet Invert A - Standard	Inlet Size D
Ø900mm	450mm	Chamber A (2.08m) Chamber B (2.58m)	Chamber A (1.3m) Chamber B (1.8m)	Ø150mm or Ø100mm

Kingspan Bioficient Treatment Plant

Kingspan Twin Effluent Pump Chamber

- NOTES**
- All dimensions are given in millimeters.
 - This drawing shall be read in conjunction with the drainage schedules and standard details.
 - All existing sewer routes are to be proved on site by the contractor and any discrepancies notified to engineer.
 - All sewers shall be constructed in accordance with Part H of the Building Regulations and Sewers for Adoption 7th Edition.
 - It is the contractors responsibility to ensure compliance with current building regulations and codes of practice.
 - Reference should be made to the structural engineers details for all aspects of foundation design and construction.
 - The contractor should check all dimensions on site. Any discrepancies shall be reported to the engineer immediately.
 - Bed type B,F and N shall be used for rigid pipes. Bed type Z shall be used for all gully connections and pipes under proposed carriageways with less than 700mm cover. The concrete bed and surround is to extend to the side of the trench or be of minimum width and voids filled with well compacted selected backfill.
 - All precast concrete manhole units are to conform to B.S. 5911. Precast concrete cover slabs are to be heavy duty.
 - Downstream exit pipes of 600mm dia. and over should be fitted with heavy duty safety chains across their mouths.
 - Where large differential settlement is probable, several short lengths of pipe with flexible joints should be laid on either side of the chamber.
 - Where drains pass through foundations, a flexible joint should be provided within 150mm of the face of the structure.
 - Fast setting resin mortars may be used in lieu of cement mortar for bedding manhole frames where agreed with the Engineer to enable early cover loading.
 - The concrete base slab shall be 225mm minimum thickness for chambers up to 4500mm deep. Manholes over 4500mm deep require a slab 450mm thick.
 - All manholes over 2000mm deep are to be fitted with a "DANGER TEST FOR OXYGEN" sign
 - Appropriate measures (to be agreed with the district council's building control section) are to be taken to discourage rodent entry into the properties.
 - The contractor is to keep a record of any variations made on site, including the relocation of sewers or drains, so that an as built drawing can be prepared upon completion of the project.
 - Location of RWP's and SVP's to be confirmed by the architect, Sub Stacks shall not be used unless connected to a ventilated section of the sewer in accordance with Building Regulations.

Rev	Amendment	Drawn	Checked	Approved	Date

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BICESTER HOTEL
GOLF RESORT

Bicester Golf And Spa

Standard Details

Sheet 1 of 2

DRAWN	TS	CHECKED	KTP	APPROVED	KBL
DATE	Jan-17	DATE	Jan-17	DATE	Jan-17
SCALE	NTS	PRJ No.	160842	SIZE	REV
DWG No.	160842/SD/02			A1	-