

BauderBLUE STORMcell sedum green roof

Green roofs are an ideal partner for blue roofs as they will naturally delay and reduce rain water run-off from the roof. When combined, the blue roof system (RWR 100 attenuation cell) and ST-B or ST-HB flow restrictors allow the precise control of the roofs discharge rate and enable large volumes of water to be attenuated at roof level.

A sedum green roof offers a low maintenance high aesthetic finish which sits above and complements the blue roof below.

| Function | Product name | Thickness (mm) | Weight (kg/m ²) | Indicative sedum blue roof system |
|--|--|----------------|-----------------------------|-----------------------------------|
| 1 Vegetation Layer | SB sedum blanket | 28 | 24 | |
| 2 Substrate | SUB-EM UK Extensive substrate | 80 | 96 | |
| 3 Filtration layer | FV 125 filter fleece | 1 | 0.13 | |
| 4 Drainage Layer | DSE 20 drainage board | 20 | 8.6 (wider fleece) | |
| 5 Attenuation | RWR 100 attenuation cell | 100 | 8.06 | |
| 6 Protection Layer | FSM 600 protection mat | 6 | 3.6 | |
| 7 Underlying Waterproofing | Bauder's underlying waterproofing system | Not included | Not included | |
| 8 Flow Restrictor | ST flow restrictor and overflow | N/A | N/A | |
| System build-up (saturated) | | | | |
| Fully saturated excluding the water held in the RWR 100 blue roof attenuation cell during a rain event and the underlying waterproofing | | | | |
| In-depth and up-to-date product specific technical data is available for each element within a system. | | | | |
| Download from our website bauder.co.uk/technical-centre | | | | |
| Blue roof require careful design, the underlying deck must be designed to zero falls with no back falls away from outlets as per BS6229 | | | | |
| Please note: All green roofs require water during times of drought. Bauder recommend that the watering and maintenance of this roof is considered and addressed during its design. | | | | |

BauderBLUE STORMvoid paving on pedestals

The BauderBLUE STORMvoid is a simple blue roof solution with paving or decking finish. The Bauder pedestal system forms a void that can be used to attenuate water and incorporates the BauderBLUE ST adjustable flow restrictor to give precise discharge rates from the roof. The system can use any of the Bauder pedestal systems: Slope Correcting (DPH) Pedestal; Non-Combustible (NC) Pedestal; or Adjustable (PB) Pedestal.

| | Function | Product name | Thickness (mm) | Weight (kg/m ²) | Indicative pedestal blue roof system |
|--|--------------------------------------|--|---------------------------|-----------------------------|--------------------------------------|
| 1 | Paving Layer | Paving or decking to suit project requirements. Typically 50mm+ | 50 | 80 | |
| 2 | Bauder Pedestal System DPH, PB or NC | Support system to elevate hard landscaping surface finish above the deck to create a void space. | Height varies, 17 to 1070 | 0.94 to 18.68 per pedestal | |
| 3 | Underlying Waterproofing | Bauder's underlying waterproofing system | Not included | Not included | |
| 4 | Flow Restrictor | ST flow restrictor and overflow | N/A | N/A | |
| System build-up (saturated) | | | 25-1120 | Varies | |
| Please note: This system should not be used as part of an inverted blue roof system, due to the additional ballast that may be required. | | | | | |
| Bauder blue roof systems require bespoke flow rate calculations please contact our technical department. | | | | | |
| Please note: Blue roof require careful design, the underlying deck must be designed to zero falls with no back falls away from outlets as per BS6229 | | | | | |

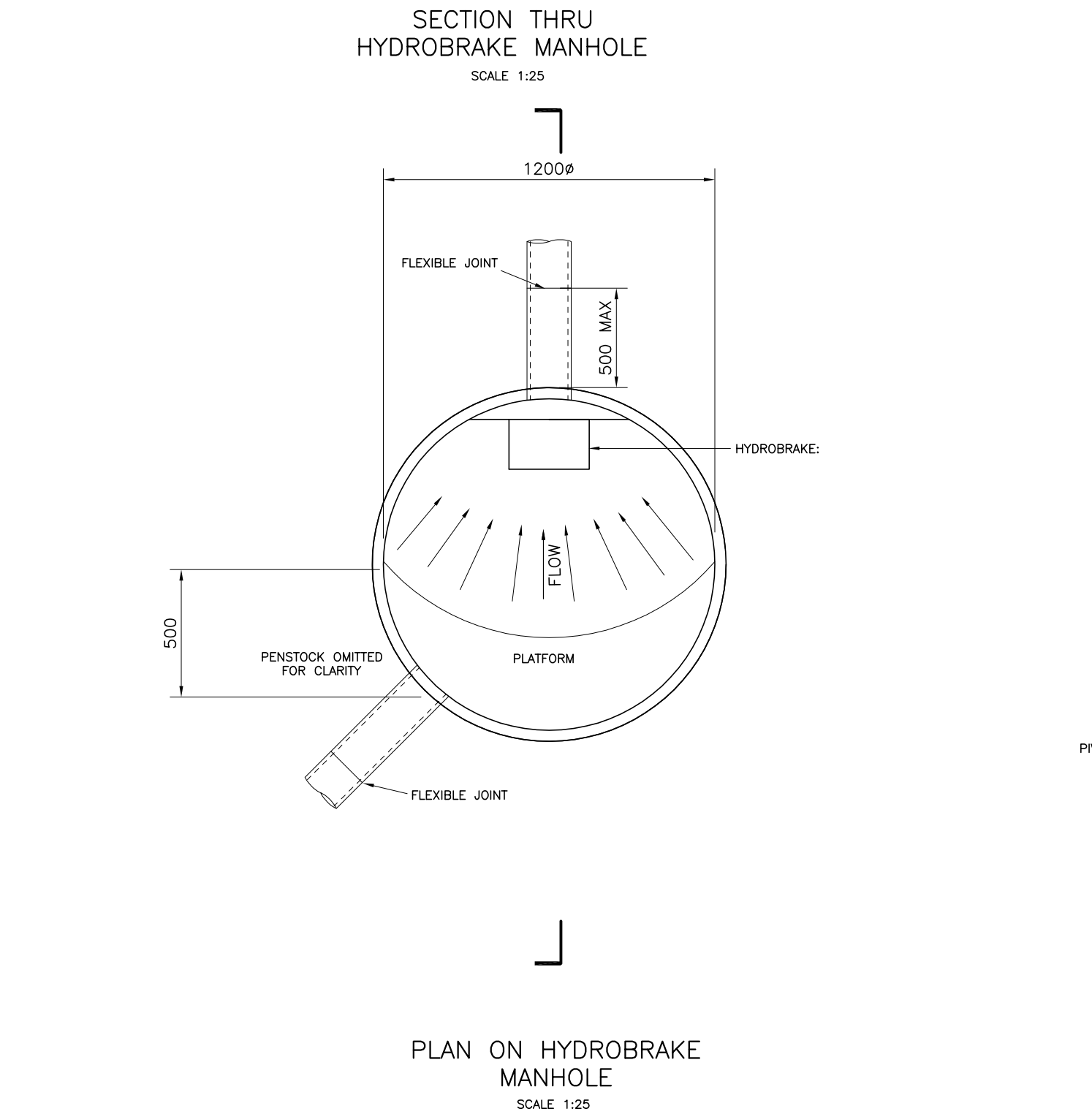
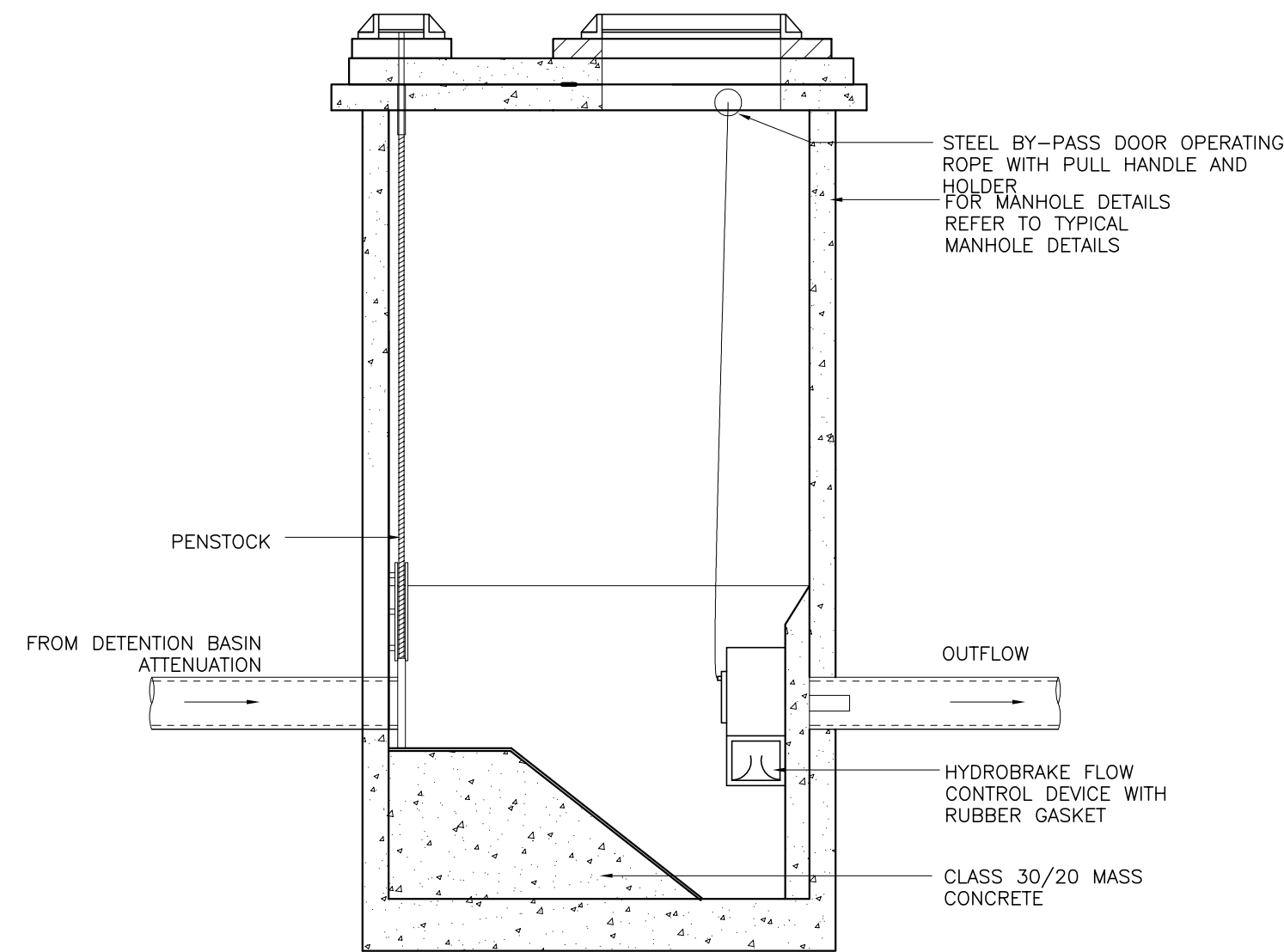
BauderINTENSIVE Green Roof Landscaping

Intensive Landscape system

The BauderINTENSIVE landscape system enables full landscapes to be created above a waterproof structure. For soft landscapes Bauder's SUB-IM UK intensive substrate is a non-compacting free draining soil allowing practically limitless landscape variations of lawns, shrubs and trees. The system also enables walkways, paving and terraced areas to be built off the same drainage board.

| Function | Product name | Thickness (mm) | Weight (kg/m ²) | Indicative intensive soft landscape system |
|---|--|----------------|---|--|
| 1 Vegetation | Specifically selected for each individual roof, from fine lawns to woody shrubs and trees. | | Thickness and weight will vary with chosen planting | |
| 2 Growing medium | BauderGREEN SUB-IM UK Intensive substrate | 200+ | 250+ | |
| 3 Filtration layer | FV 125 filter fleece | 1 | 0.13 | |
| 4 Drainage Layer | DSE 40 drainage board | 40 | 15.3 | |
| 5 Protection Layer | FSM 1100 protection mat | 8 | 7.1 | |
| 6 Slip Separation Layer | PE 02 Foil x 2 | 0.4 | 0.38 | |
| 7 Underlying Waterproofing | Bauder's underlying waterproofing system | Not included | Not included | |
| System build-up (saturated) | | | | |
| *Bauder supply various green roof systems to meet required biodiverse targets and other green roof requirements | | | | |
| In-depth and up-to-date product specific technical data is available for each element within a system. | | | | |
| Download from our website bauder.co.uk/technical-centre | | | | |

BAUDER GREEN BLUE ROOF SEDUM ON EXTENSIVE SUBSTRATE



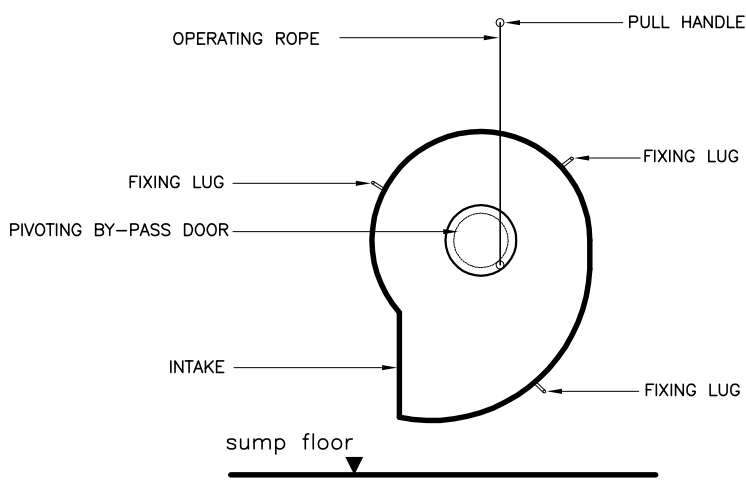
BAUDER BLUE ROOF PAVING ON PEDESTAL

| DIMENSIONS | | | | | | | |
|--------------|--------------|---------|---------|---------|-------------|---------------------------|------------------|
| UNIT REF No. | NOMINAL FLOW | DIM 'A' | DIM 'B' | DIM 'C' | STD. PIPE Ø | APPROX. EMPTY WEIGHT (KG) | FALL ACROSS UNIT |
| NSB3 | 3 L/S | 1765 | 850 | 600 | 160 | 145 | 100 |
| NSB4 | 4.5 L/S | 1765 | 850 | 600 | 200 | 145 | 100 |
| NSB6 | 6 L/S | 1765 | 850 | 750 | 200 | 160 | 100 |
| NSB8 | 8 L/S | 3065 | 1030 | 750 | 225 | 210 | 100 |
| NSB10 | 10 L/S | 3915 | 1030 | 750 | 300 | 240 | 100 |
| NSB12 | 12 L/S | 3915 | 1030 | 750 | 300 | 240 | 100 |
| NSB15 | 15 L/S | 3915 | 1560 | 750 | 300 | 240 | 100 |

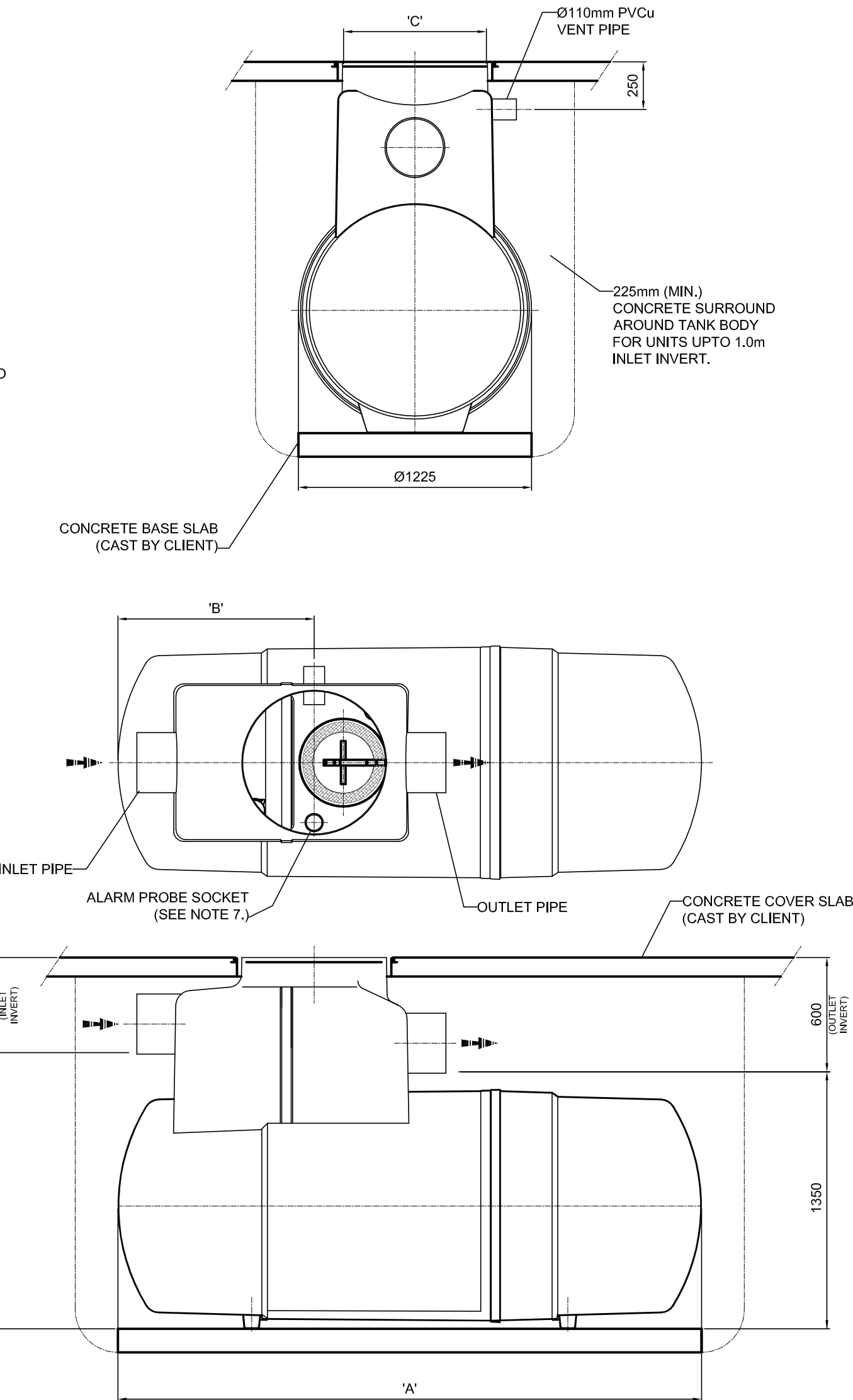
- NOTES:-
- 1.) INLET / OUTLET PIPES ARE PLAIN PVCu.
 - 2.) PLEASE NOTE A CLASS 1 BYPASS SEPARATOR INCLUDES A COALESCER. CLASS 2 BYPASS SEPARATORS DO NOT.
 - 3.) EXTENSION NECKS FOR DEEPER INVERT CAN BE PROVIDED IN 0.5m INCREMENTS FOR ON SITE ASSEMBLY. SEE DRAWING DS0616 FOR FURTHER DETAILS.
 - 4.) ALL UNITS REQUIRE APPROPRIATE COVER AND FRAME TO SUIT APPLIED LOADINGS.
 - 5.) THIS DRAWING SHOULD BE USED FOR DIMENSIONAL INFORMATION ONLY. IT IS ESSENTIAL THAT THIS DRAWING IS READ IN CONJUNCTION WITH INSTALLATION GUIDELINES PD0313 (SUPPLIED WITH UNIT).
 - 6.) STANDARD PIPE ORIENTATION SHOWN. FOR OTHER AVAILABLE OPTIONS SEE TDS0033.
 - 7.) AN Ø82mm SOCKET CAN BE SUPPLIED AS AN OPTIONAL EXTRA TO HOUSE AN OIL ALARM PROBE. SEE DRAWINGS DS0591 & PD0323 FOR FURTHER DETAILS.

PETROL INTERCEPTOR

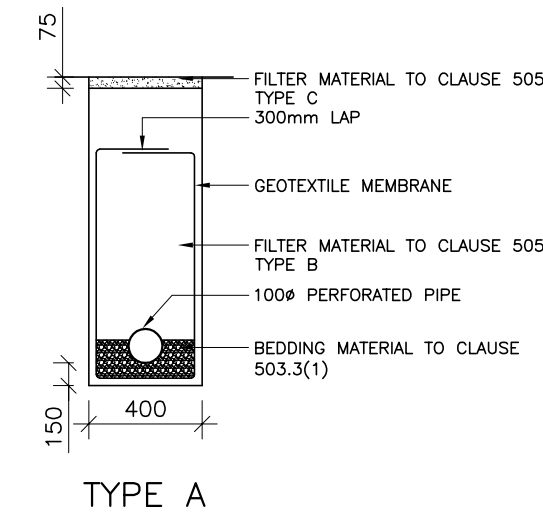
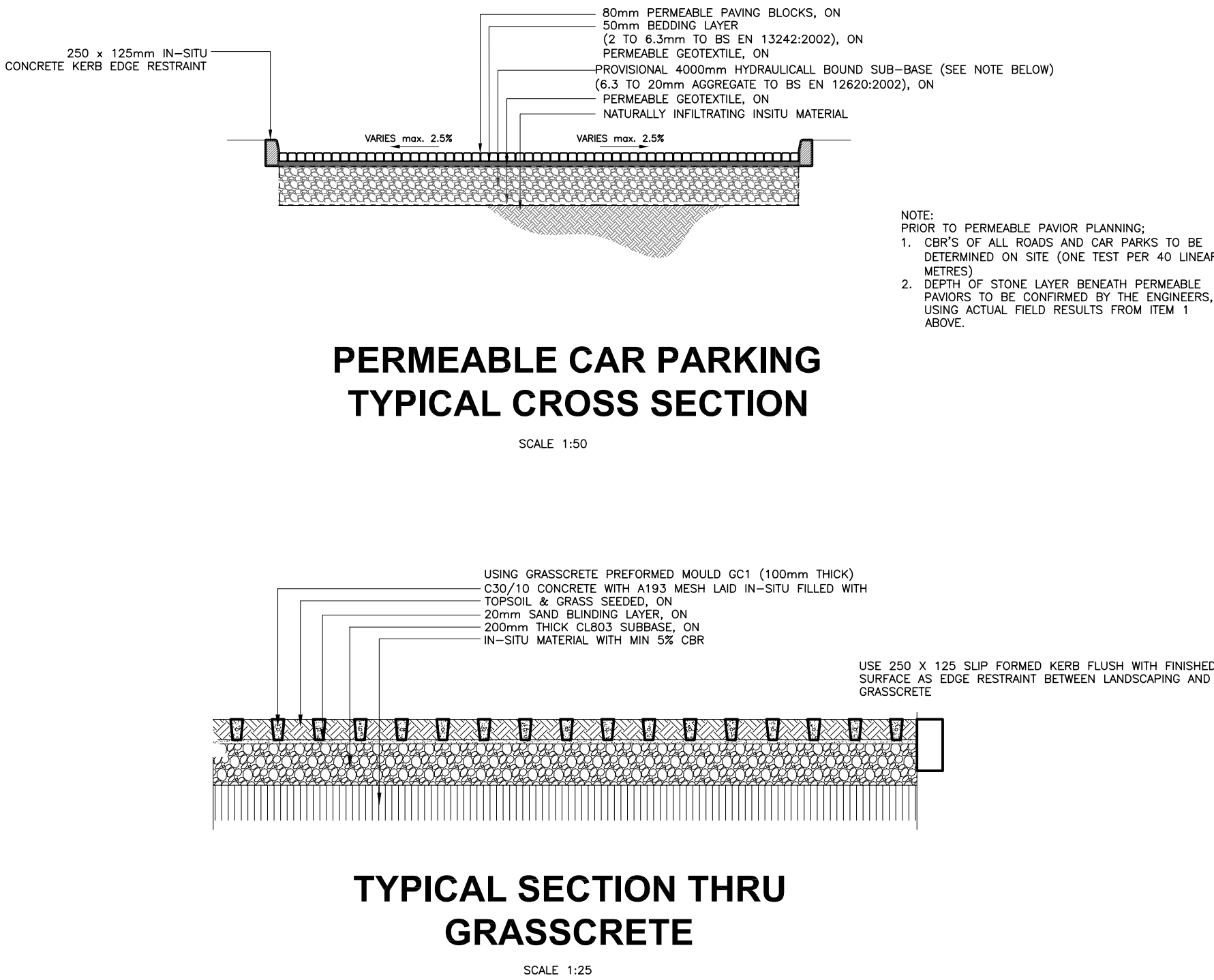
SCALE 1:25



FRONT VIEW OF HYDROBRAKE SHOWING CORRECT ORIENTATION



BAUDER GREEN BLUE ROOF LANDSCAPING ON INTENSIVE SUBSTRATE



FILTER DRAINS TRENCH AND BEDDING DETAILS

NOTES:
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CONSULTANTS TO BE INFORMED OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

| Rev | Date | Description | By | Chkd |
|-----|------|-------------|----|------|
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