

- 1. Inlet
- 2. Outlet
- 3. Covers: Available in Standard or Customised Designs
- 4. Trash Screen
- 5. Trash Holding Area
- 6. Oil Holding
- 7. Inlet Vortex Tube
- 8. Outlet Riser
- 9. Silt Holding Chamber
- 10. Central Tube and cover

The EcoProtector is a hydrodynamic, full capture, high-capacity trash and debris removal GPT (Gross Pollutant aTrap), with superior litter and organic debris capture.

The EcoProtector has been designed to remove particles greater than 5mm using physical processes to trap solid waste such as litter and coarse sediment under low velocity conditions.

EcoProtectors are commonly used as the primary treatment for the removal of large, non-biodegradable pollutants in areas with a high fraction of impervious surfaces such as residential subdivisions, roads, car parks, industrial applications and any area that may require Stormwater treatment. Primary treatments include, physical screening, rapid sedimentation and separation processes.

The EcoProtector is designed and built as one homogeneous unit to allow easy handling, transport and most importantly, installation: One of the most significant advantages of the EcoProtector over any other alternative Gross Pollutant Trap.

Client: _____

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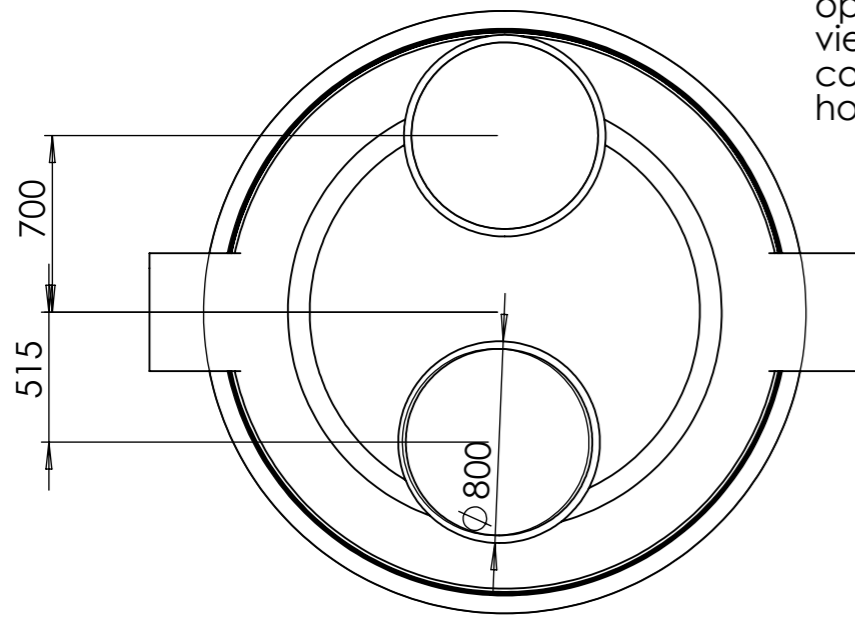
Approved By: _____ Date: _____

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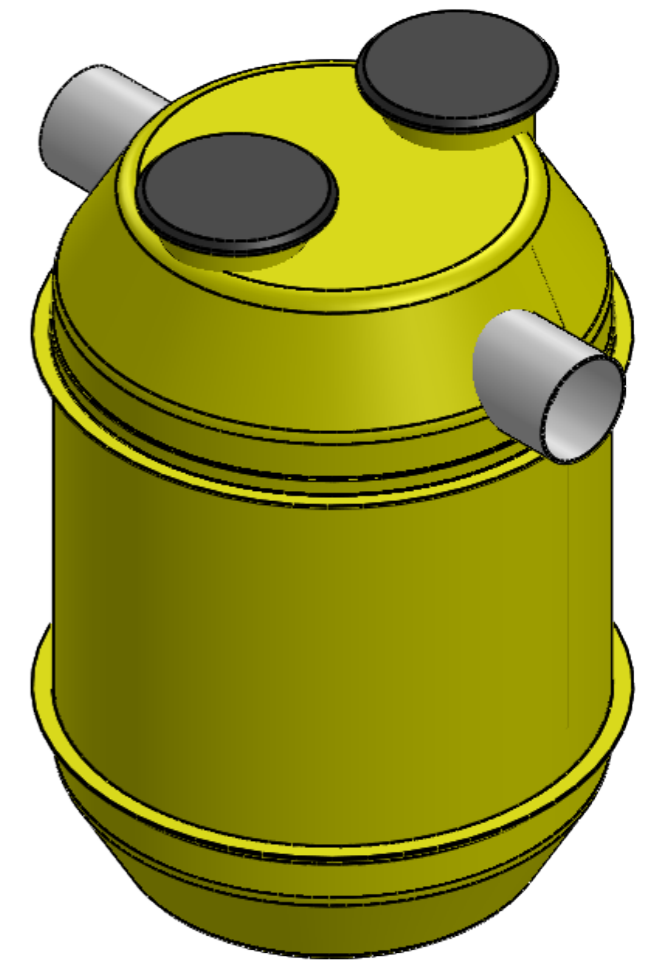


| | | |
|------------------|---|----------|
| CUSTOMER NAME: | _____ | |
| CUSTOMER REF NO: | _____ | |
| PROJECT NAME: | _____ | |
| PART NO: | _____ | |
| DESCRIPTION: | HYDRODYNAMIC, FULL CAPTURE, HIGH CAPACITY TRASH AND DEBRIS REMOVAL GROSS POLLUTANT TRAP | |
| REF NO: | SIZE: | SHEET: 1 |
| SCALE: N.T.S | DRAWING NO: | REV: |

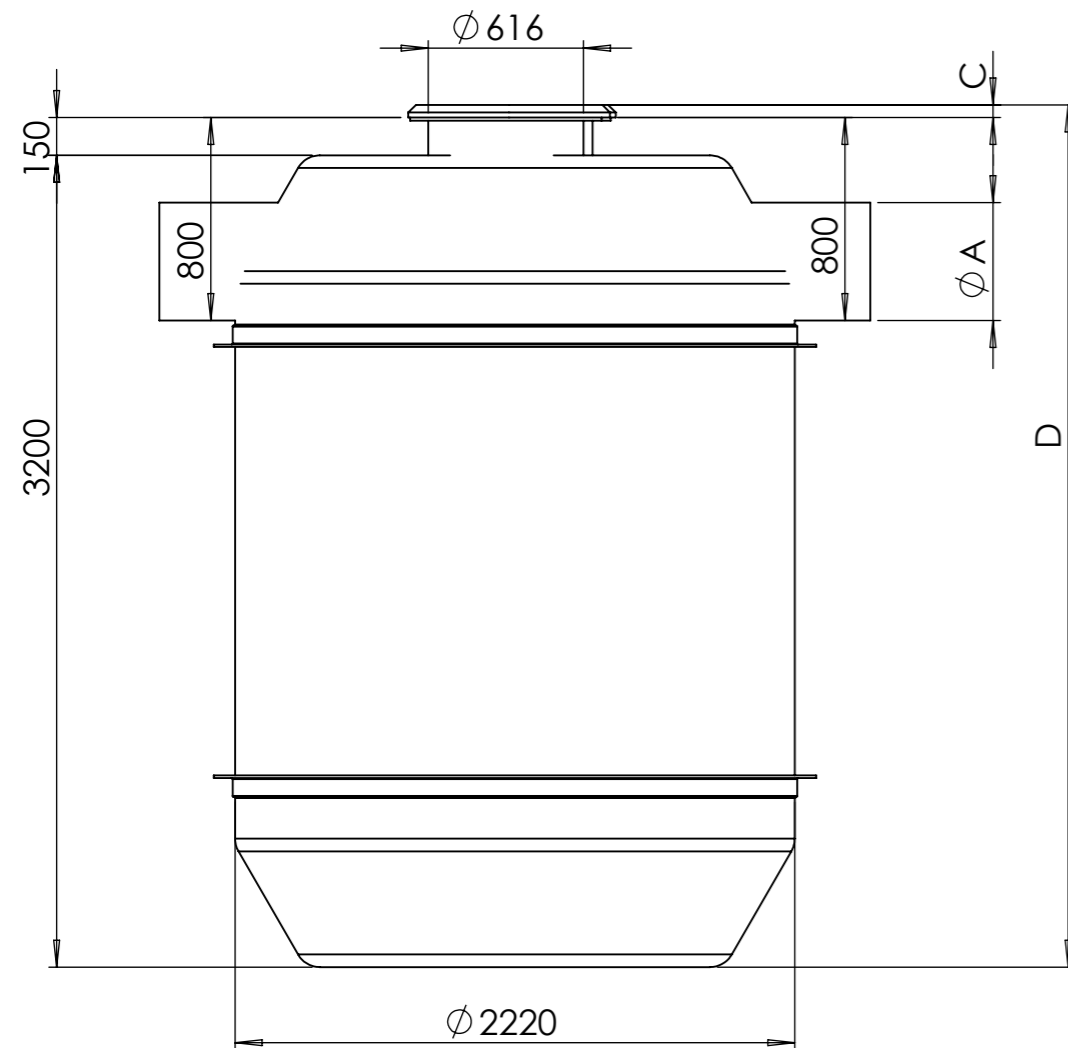
Manway Positions optimized for use in viewing Gross trash collector and of the Silt holding chamber.



| MANWAY ACCESS COVERS | | | |
|----------------------|------------------|------------|---------------------|
| Manway Class | Thickness C (mm) | Material | Total Height D (mm) |
| Class A | 20 | FibreGlass | 3370 |
| Class B | 50 | Cast Iron | 3400 |
| Class D | 100 | Cast Iron | 3450 |



| Inlet Diameter And Flow Rate Specification | | |
|--|------------------------------------|------------------|
| Product | Inlet/Outlet Inner Diameter A (mm) | INVERT LEVEL (E) |
| EPC.2200.375 | 375 | 812.5 |
| EPC.2200.400 | 400 | 825 |
| EPC.2200.450 | 450 | 850 |
| EPC.2200.500 | 500 | 825 |
| EPC.2200.600 | 600 | 925 |
| EPC.2200.750 | 750 | 1000 |
| EPC.2200.900 | 900 | 1075 |



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PROJECT NAME:

PART NO:

DESCRIPTION:

HYDRODYNAMIC, FULL CAPTURE, HIGH CAPACITY TRASH AND DEBRIS REMOVAL GROSS POLLUTANT TRAP

REF NO:

SIZE:

SHEET: 1

SCALE: N.T.S

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Installation

The EcoProtector is designed and built as one homogeneous unit to allow easy handling, transport and most importantly, installation:

One of the most significant advantages of the EcoProtector over any other alternative Gross Pollutant Trap. Ease of onsite installation and access, no heavy cranes and without the assembly of heavy concrete sections in the ground results in considerable cost savings:

EcoProtector cuts down the labour and saves time and money! A complete installation hand book is supplied to ensure the installation goes smoothly and to plan.

The guide provides advice for lifting, OHS measures, handling techniques and other important requirements. Installation is typically:

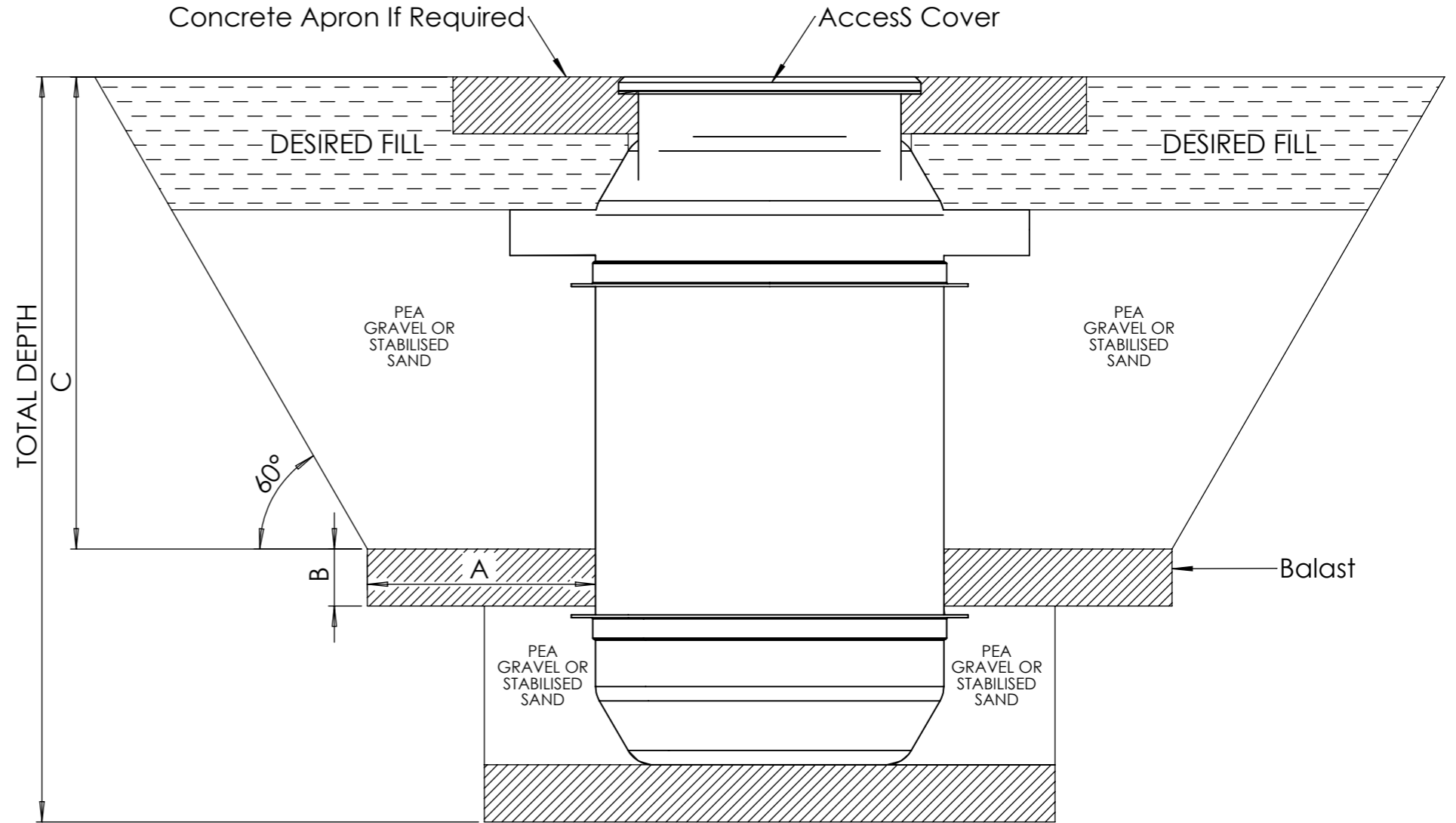
1. Excavate hole
2. Place station in hole
3. Fill well with water about 20% of total volume
4. Back fill to locking ring
5. Pour ballast
6. Install all connections as per manual*
7. Back fill and pour top slab and install access cover

*All installation requirements are as per installation data manual.

Engineering

All EcoProtectors have been individually engineered to handle the toughest environmental situations and proven in the toughest environments such as high water tables and volcanic soils. Problems in these areas have been solved with the installation of the EcoProtector.

The Packaged EcoProtectors are engineered to the following Standards: BS4994 – 1987, AS/NZS 1546.1:1998. Hydraulic and civil engineering can also be provided to your requirements.



| Dimension | (mm) |
|---|------|
| A | 775 |
| B | 450 |
| C | 2500 |
| TOTAL DEPTH | 3400 |
| Volume of Concrete Balast (m ³) | 3.9 |



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HYDRODYNAMIC, FULL CAPTURE, HIGH CAPACITY TRASH AND DEBRIS REMOVAL GROSS POLLUTANT TRAP

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