

SPEL Vortceptor

Hydrodynamic GPT



spelstormwater
joy in water

spel.com.au



In-Line Model

Off-Line Model

The SPEL VORTCEPTOR GPT is a non-blocking vortex type separator that has a unique screen and treatment action producing low vortex conditions resulting in excellent pollution removal performance and resulting high water quality outcomes.

It separates and captures gross pollutants, sediments, silt, total suspended solids, some nutrients and oil and grease.

The one piece VORTCEPTOR GPT is delivered to site fully assembled saving on installation time and crane costs. The fibreglass GPT can be installed in all types of trafficable zones, including vehicular truck (Class D).

(Subject to the installation of an engineered cast in situ concrete slab.)

APPLICATIONS

- Shopping precinct
- Commercial zones
- Recreational grounds
- Industrial areas
- Beaches and parks
- Residential development

BENEFITS

- Vortex Action
- Separates and captures gross pollutants, sediments, silt, total suspended solids, some nutrients and oil and grease.
- Non-blocking hydrodynamic separator.
- Unique screen & treatment action.

Tested Treatment Efficiencies*

Pollutant	Efficiency
Gross Pollutants (GP)	99%
Total Suspended Solids (TSS)	70%
Total Phosphorus (TP)	30%
Total Nitrogen (TN)*	0%
Petroleum Hydrocarbon*	94%

*Contact Spel to confirm approved performance for the project LGA Organic/particulate component of the nutrient only.





FEATURES

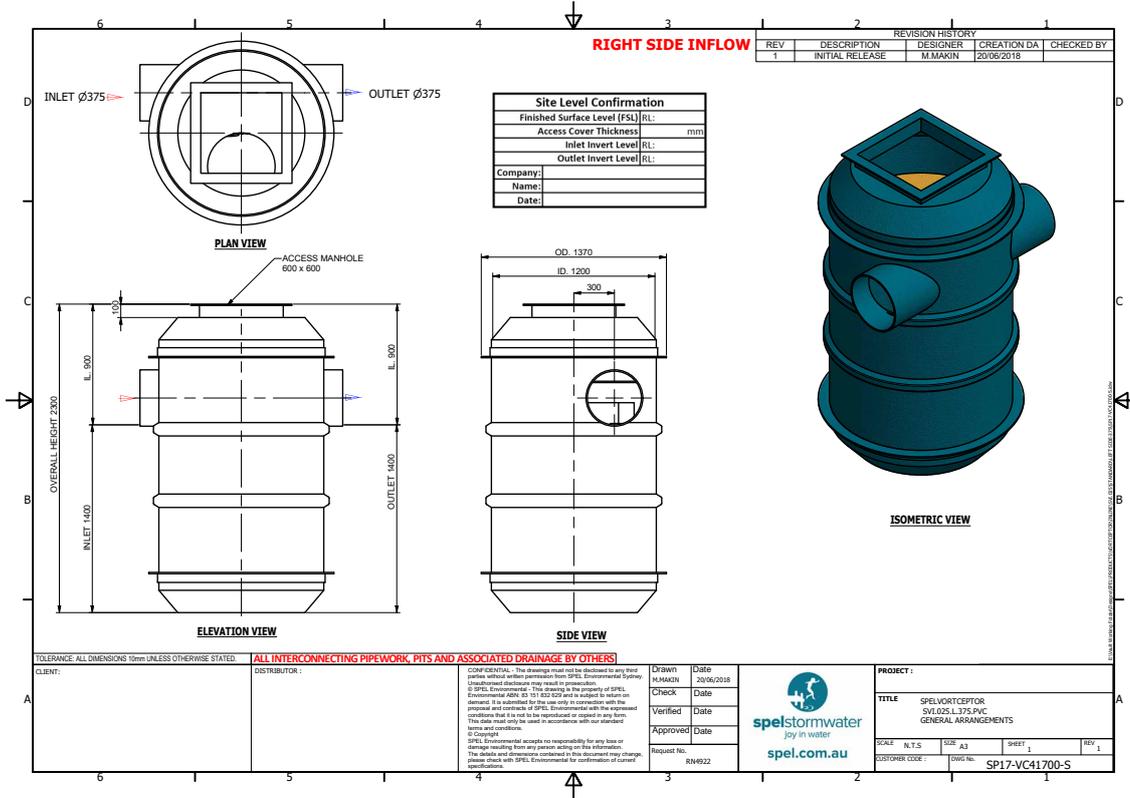
- Separates and captures gross pollutants, sediments, silt, tss, some nutrients, oil & grease
- Non-blocking hydrodynamic separator
- Unique screen & treatment action
- 900 x 900 mm flanged manhole access
- 316 SS VORTCEPTOR Screen
- Additional manhole extensions (if required)
- Reinforced Fibreglass
- Ribbed for structural strength/vertical anchoring
- One piece construction

The Inline and Offline series is manufactured from the standard single tank dia below.

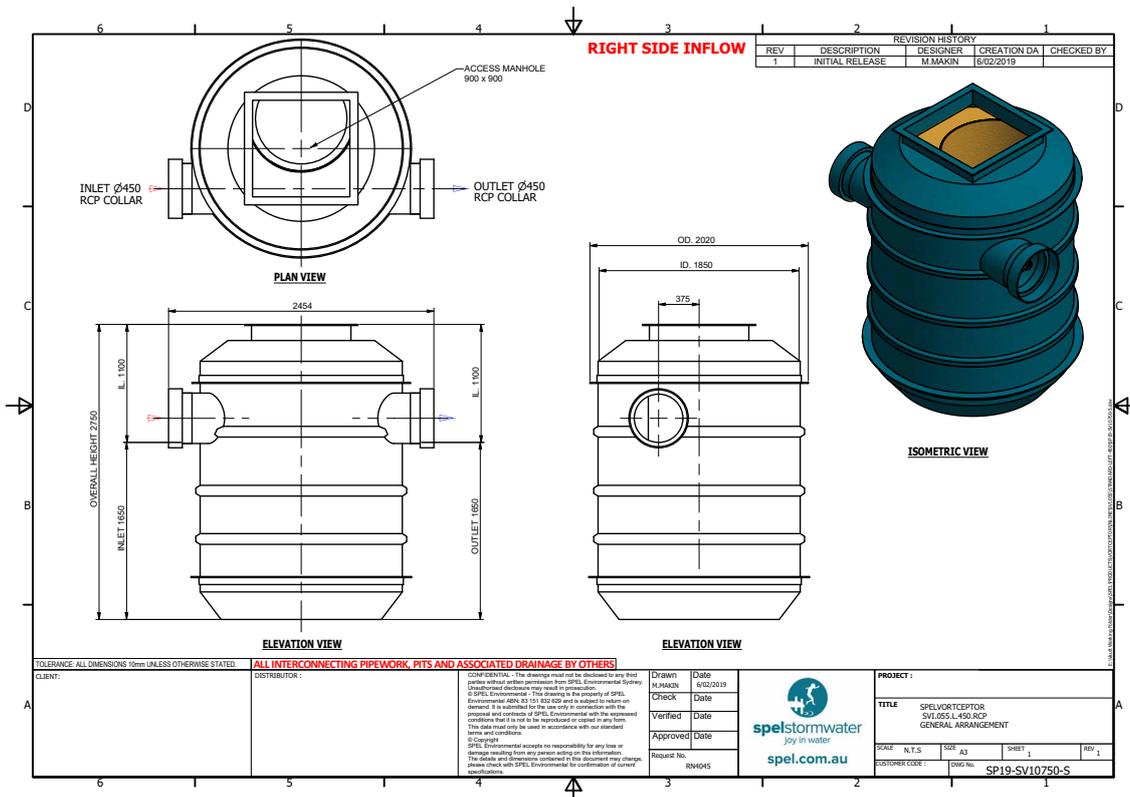
Models	Dimensions (mm)				Capacities		
	Internal Diameter	Overall Width	Depth below invert	Manhole/ Size	Sump Capacity (m ³)	Floatables Volume (m ³)	Treatable Flow rate (L/s)
IN-LINE SERIES							
SVI.025(L/R)	1200	1370	1400	600x600	1.2	0.06	26
SVI.055(L/R)	1800	1970	1650	900x900	2.7	0.22	55
SVI.055.M(L/R)	2200	2370	1585		3.2	0.22	55
OFFLINE SERIES							
SVO.096(L/R)	1500	1670	1725	1000mm DIA Internal 600x600mm	2.0	0.35	96
SVO.140(L/R)	1500	1670	2025		2.3	0.35	140
SVO.180(L/R)	1500	1670	2325		3.0	0.35	180
SVO.220(L/R)	2200	2350	2800		4.5	1.1	220
SVO.360(L/R)	2200	2350	3080		6.0	1.1	360
SVO.530(L/R)	3000	3150	3200		8.5	2.8	530
SVO.800(L/R)	3000	3150	4200		8.5	2.8	800
SVO.810(L/R)	4000	4150	3400		19.3	5.65	800
SVO.1200(L/R)	4000	4150	4000		19.3	5.65	1200
SVO.1600(L/R)	4000	4150	4600		19.3	5.65	1600

DRAWINGS

Off-Line Model SVI.025

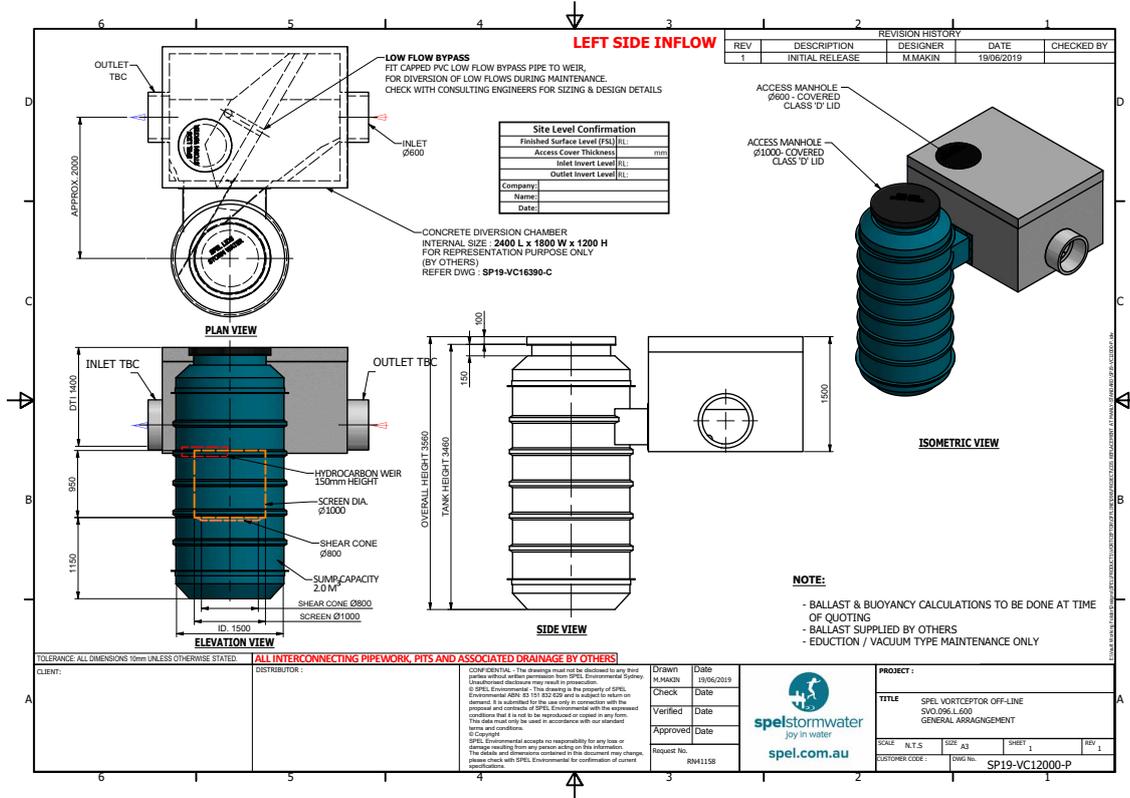


Off-Line Model SVI.055

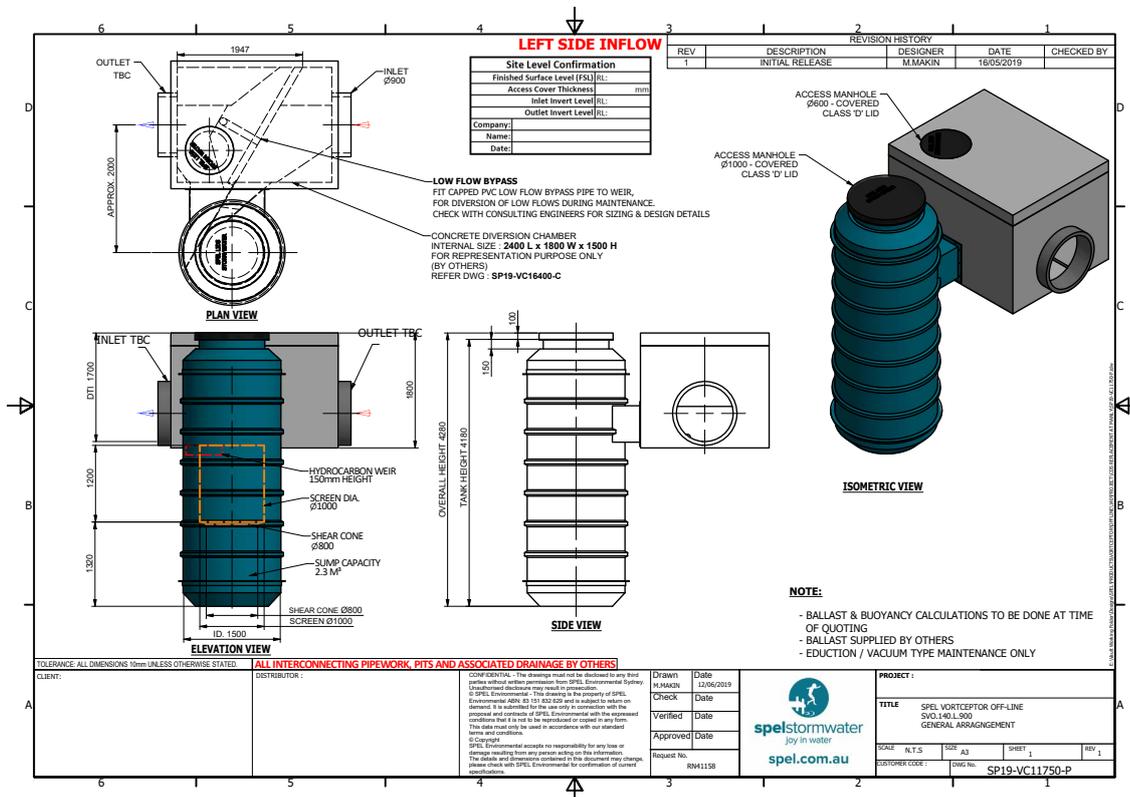


DRAWINGS

Off-Line Model SVO.096

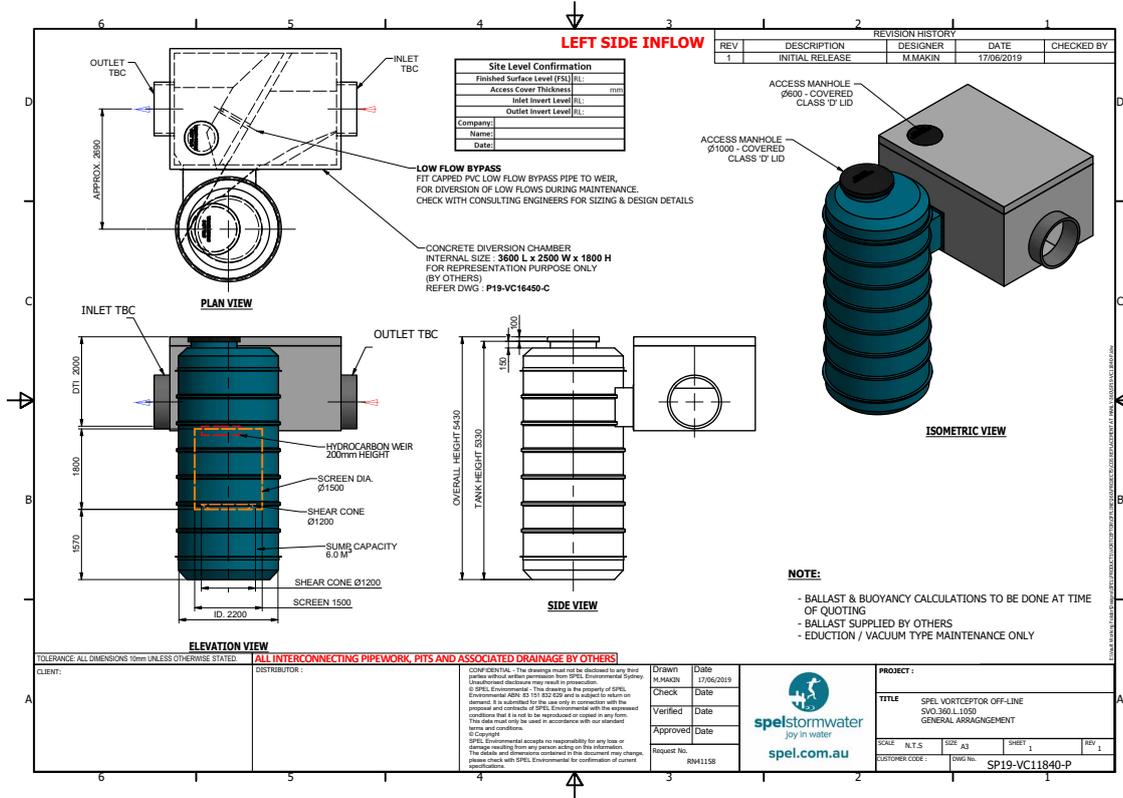


Off-Line Model SVO.140

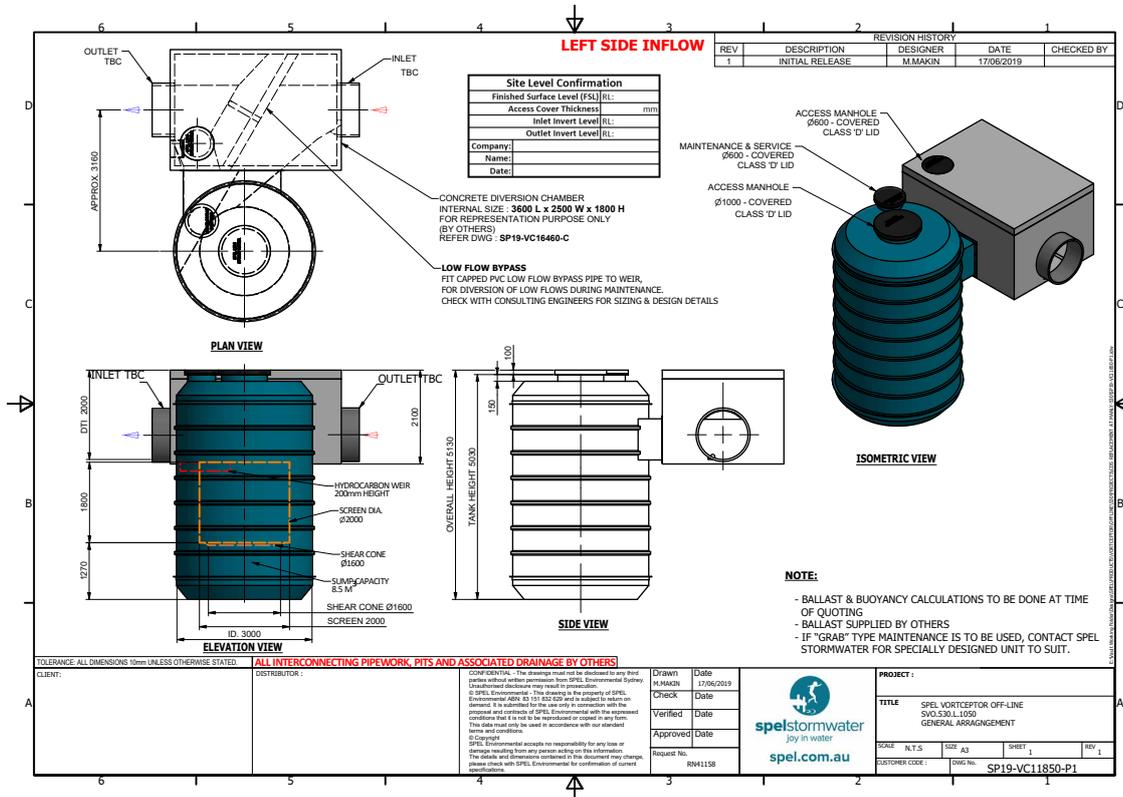


DRAWINGS

Off-Line Model SVO.360

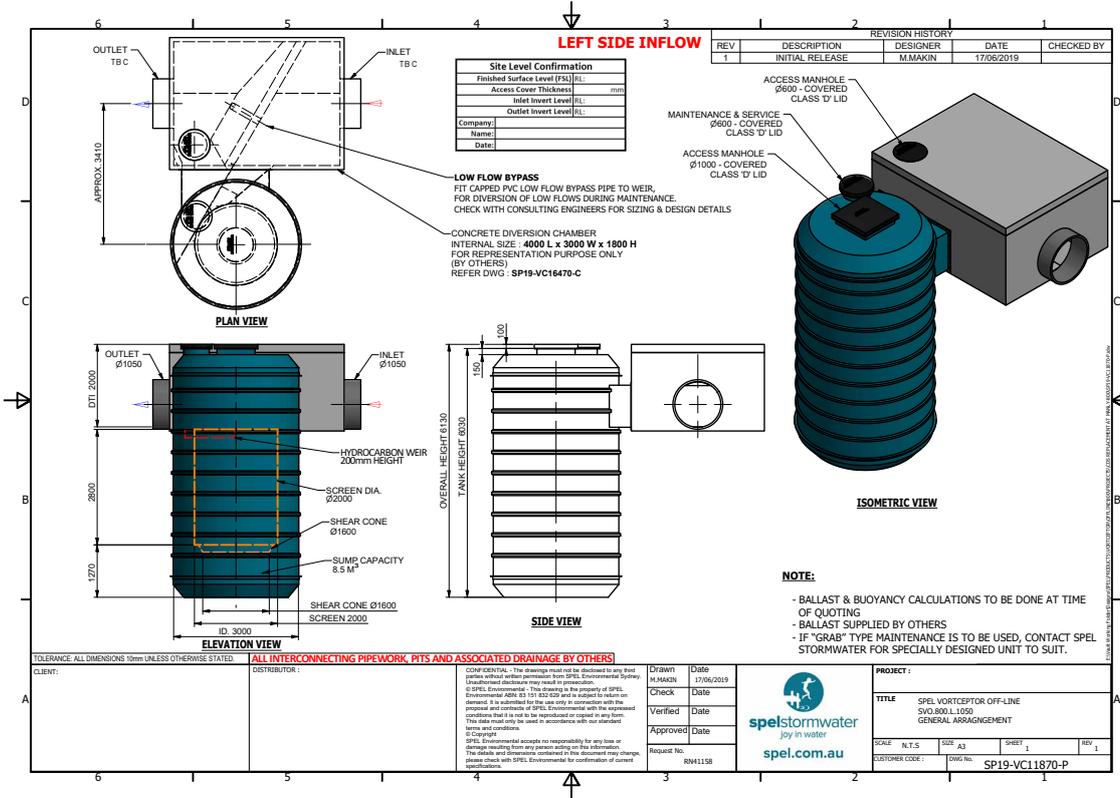


Off-Line Model SVO.530

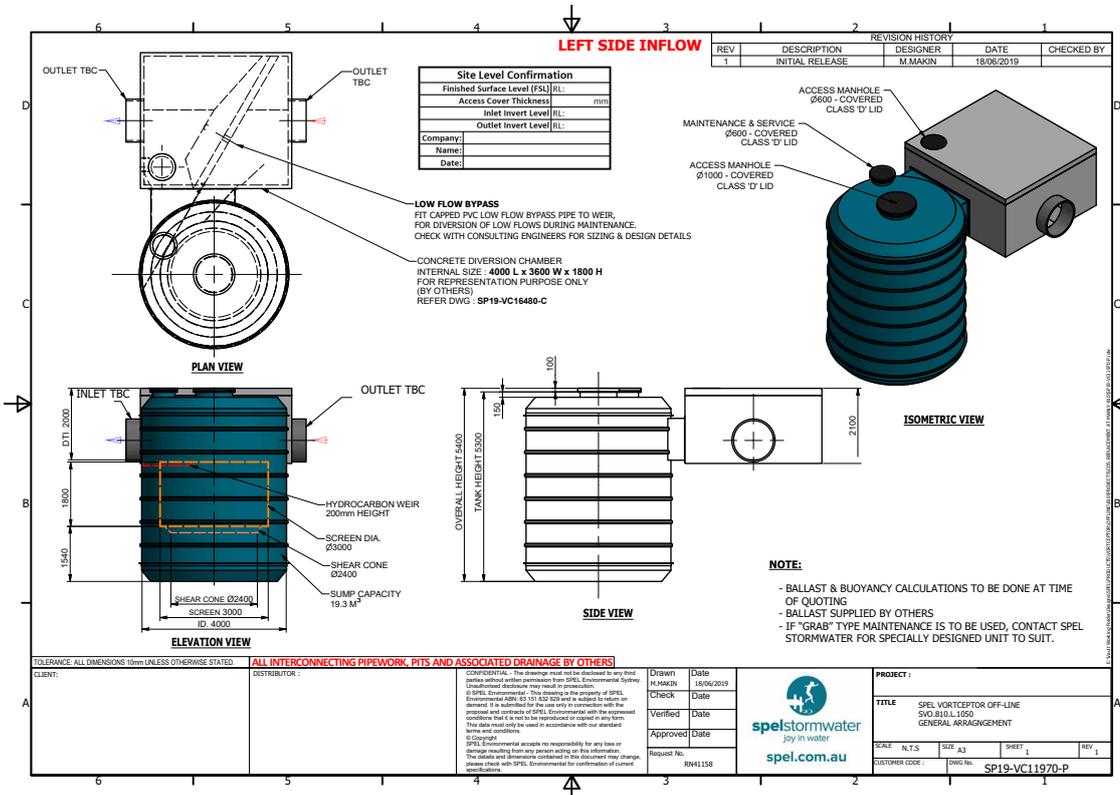


DRAWINGS

Off-Line Model SVO.800



Off-Line Model SVO.810



SPEL Vortceptor

Hydrodynamic GPT

<p>NSW HEAD OFFICE 100 Silverwater Rd, Silverwater NSW 2128 PO Box 7138, Silverwater NSW 1811 P: +61 2 8705 0255 P: 1300 773 500 E: nsw.sales@spel.com.au</p>	<p>QLD MAIN OFFICE 130 Sandstone Pl, Parkinson QLD 4115 P: +61 7 3271 6960 P: 1300 773 500 E: qld.sales@spel.com.au</p> <p>QLD SUNSHINE COAST BRANCH 19-27 Fred Chaplin Circuit, Bells Creek, QLD 4551 P: 1300 773 500 E: qld.sales@spel.com.au</p>	<p>VIC & TAS OFFICE 897 Wellington Rd Rowville VIC 3178 P: +61 3 5274 1336 P: 1800 810 139 E: sales@spel.com.au</p> <p>VIC GEELONG BRANCH 70 Technology Close, Corio, P: +61 3 5274 1336 P: 1800 810 139 E: sales@spel.com.au</p>
<p>SA OFFICE 9 Hampden Road, Mount Barker SA 5251 P: 1300 773 500 E: sales@spel.com.au</p>	<p>WA OFFICE 2 Modal Crescent Canning Vale WA 6155 P: +61 8 9350 1000 P: 1800 335 550 E: sales@spel.com.au</p>	<p>NZ OFFICE AUCKLAND 100 Montgomerie Road Airport Oaks P: +64 9 276 9045 E: sales@spel.com.au</p>
<p>NZ OFFICE WANGANUI 43 Heads Road Wanganu New Zealand P: +64 6 349 0088 E: sales@spel.com.au</p>	<p>NZ OFFICE WELLINGTON 41 Raiha St Porirua Wellington New Zealand P: +64 4 239 6006 E: sales@spel.com.au</p>	<p>PHILIPPINES OFFICE METRO MANILA Unit 2210 Lumiere Residences Pasig Boulevard, Pasig City P: +61 2 8705 0255 P: 1300 773 500 E: sales@spel.com.au</p>
<p>SINGAPORE OFFICE 512 Chai Chee Lane, #06-04 Bedok Industrial Estate, Singapore 469028 P: +61 2 8705 0255 P: 1300 773 500 E: sales@spel.com.au</p>	<p>UK OFFICE UNITED KINGDOM Lancaster Rd Shrewsbury SY1 3NQ UK P: +44 (0)1743 445200 E: sales@spel.com.au</p>	<p>USA OFFICE CLEVELAND 4548 Industrial Parkway Cleveland, Ohio 44135 P: +61 2 8705 0255 P: 1300 773 500 E: sales@spel.com.au</p>

We believe clean water is a right not a privilege and we work to ensure a joy in water experience for you with your children and grandchildren.



spelstormwater
joy in water

100 Silverwater Rd, Silverwater NSW 2128 Australia

Phone: (02) 8705 0255

Email: sales@spel.com.au

spel.com.au

SPEL Stormwater accepts no responsibility for any loss or damage resulting from any person acting on this information. The details and dimensions contained in this document may change, please check with SPEL Stormwater for confirmation of current specifications.