DESIGN CHECKLIST

The following checklist is strictly for the use of a certified engineer who has been given the authority to design for the project in which the tanks will be used.

Atlo	antis	systen	n specified:			
	Infiltı	ation	Harvesting (Reuse).	On Site Detention (OSD)		
			Impermeable liner required	Impermeable liner required		
					YES	ИО
1.	На	ve Proje	ct Drawings and a Geo-tec	hnical Report been provided?	0	0
	If NO: Please contact an engineering consulting firm to obtain a geotechnical report and relevant project sections, and then continue completing the rest of the form.					
2.	*AC	Ver Ver Uni Lat Upl Dia	ted loads been incorporated intical Dead Load: Trical Live Load: Trical Combination / formly distributed loads (UDL): Trical Load: Trical Combination / Trical Combination	kPa / psi kN / lb	0	0
3.	Ha Top Set	ve the fo Cover/ba back / Adj	Ilowing requirements been conckfill: acent structure at: w minimum top cover according t	msidered? m /(ft) m /(ft) to A\$2566.1 and A\$3500 and minimum 3-2006) in Atlantis technical specification	0	0
4.			ence of high water table? e specify distance from level	m /(ft)	0	0
5.	Are If Y	there ar ES: How What	ny nearby hills or steep slopes far from the tank perimeter? is the slope gradient?	m /(ft) oure may be greater in presence of nearby	0	0
6.	Main soil type present on the site, identified in geotechnical report? Soil type: Coarse sand Sandy loam Sandy clay Clay Other:			0	0	
	6.1	a found	ation system?	s clay) and/or the tank will be used as	0	0
			lease check settlements and k	bearing capacity of soils.		
7.	Design Life of the project: 20 years 30 years Other:					
	7.1	strength	reep reduction factor been take capacity? ing to AS4678	ken into account for compressive	0	0
	7.2	Is the ta	nk height greater than 1.6m (5.3 ft)? and/or		
			nk located at depth greater th			
		If YES to		or should be taken into account for		

			YES	NO
8.	Pre-t	reatment/filtration system: Atlantis Large / Small Filter Gross Pollutant Trap (GPT) Biofiltration Other:	0	0
		: The end-user is responsible for the performance of the tanks if there tapped to a pre-filtration system installed/specified.		
	Note	: Sediments, debris and contaminants must be kept out of the system.		
9.	000	fill material specified? Coarse washed river sand (less than 5% fines passing 75 micron sieve) Aggregate of angular material (up to 19mm - 3/4") Other: (Material graded to AS 1141)	0	0
		Please seek approval from a geotechnical/structural engineer as to backfill should be used.		
10.	Has	an internal plate configuration been specified?		
	O O O	S: Please select from the following: 4 Plates 5 Plates 7 Plates 9 Plates Titan Tank		
	10.1	Is the strength capacity of the tank greater than the loads applied on it?	0	
11.	Proje	ct was consulted upon and approved by qualified engineers	0	0
Cor	mpany	/:Date:		
Des	Designer: Signature:			

Note: Atlantis products are manufactured by independent factories from high quality recycled materials, carefully selected and under strict quality control procedures. The strength could vary slightly due to raw material, country of manufacture, manufacturing process and external conditions.

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INSTALLATION CHECKLIST

Atl	antis system specified:		
	Infiltration Harvesting (Reuse) — Impermeable liner required — Always include section 4 On Site Detention (OSD) — Impermeable liner required — Always include section 4	YES	S NO
Doe	es the P.O./ Batch Number match the designed load specified by the authorized engineer?	0	
1. I	EXCAVATION		
No	le: Please ensure a temporary perimeter fence is erected before excavation.	YES	NO
a.		0	
	If NO: Correct unsatisfactory conditions before commencement of base preparation layer.		
d.	Are contaminated/acid soils and/or filling present? Is the site a landfill?		
	If YES: Design must be approved by an authorised qualified engineer		
c.	Are clay/soft/muddy soils and/or high water table present?		
	If YES: Design must be approved by an authorised structural engineer		
2. (GROUND FOUNDATION - BASE PREPARATION	YES	NO
a.	Does the foundation of the excavation have a minimum CBR of 3-5% in accordance with AS 1289.6.1.1?	:e 🔘	
	If NO: Design must be approved by an authorised structural engineer		
b.	Is the base layer minimum meeting authorised engineer's depth requirements?	0	
c.	Is the base well compacted according to AS 1289.5 and the site graded?	0	
3. (GEOTEXTILE USE	YES	S NO
a.	Is your geotextile hydrophilic?		
	If NO: Ensure the geotextile is hydrophilic		
b.	Is there enough overlap available to fold over the top of the tank?	0	
	If NO: Ensure an overlap by a minimum of 300mm (12")		
Λ	OSD & REUSE INSTALLATION	YES	S NO
a.	Is there enough overlap for the impermeable liner?		
	If NO: Ensure overlap is available to fold over the top of the tank. Minimum overlap of 1m (3 ft.)		
b.	Is there a geotextile layer to protect the liner?	0	0
	If NO: Ensure a geotextile/sand protection layer		
	Note: Please consider the use of an extra strip of geotextile on the corners to protect the liner.		
5. I	NSTALLING ATLANTIS MODULES	YES	NO
a.			
	If NO: Ensure the tanks are aligned according to original design		
	Note: Best practices recommend that boundaries of the tank should be carried out by surveyors to ensure a straight installation.		
b.	, -	0	0
	If NO: Gaps should not be greater than 5mm (1/4").		

INSTALLATION CHECKLIST (Continued)

Inspection/Vent/Flushing Ports If NO: Atlantis tanks must be vented to prevent vacuum effect and may require specific maintenance according to the authorised engineer		_
ACKFILLS	YES	N
Backfill material: Either Coarse washed sand with less than 5% fines passing 75micron sieve or Aggregate of angular material up to 19mm (3/4") or Other granular material graded to AS 1141?	0	C
If NO: Any other backfill material must be approved by the authorised engineer Note: Backfill materials containing clay should never be used		
Backfill sides between 200-500mm (7.87" - 19.68")? If YES: Compact according to AS 1289.5 If NO: Design must be approved by a structural engineer.	0	C
Note: When backfilling and compacting, make sure that you do not pinch the liner or rub the compactor against the liner. Protect it with a plywood sheet 20mm (0.8") thick		
Is the top backfill meeting Australian Standards (or local standards) minimum cover requirements and not exceeding 1600mm (5.3ft)? If YES: Compact according to AS 1289.5 If NO: Structural engineers' approval needed. Note: Ensure an equally distributed load light vehicle (i.e. Posi Track) is used to spread and level top backfill	0	C
Placing and handling the backfill material: Is the backfill material placed alongside the excavation line around the tank?	0	C
EOGRID (Optional)	YES	N
YES: Ensure a minimum Overlap of 1m (3ft)		
	YES	
PING	YES	١
Price Pri	0	
	Backfill materials containing clay should never be used Backfill sides between 200-500mm (7.87" - 19.68")? If YES: Compact according to AS 1289.5 If NO: Design must be approved by a structural engineer. Note: When backfilling and compacting, make sure that you do not pinch the liner or rub the compactor against the liner. Protect it with a plywood sheet 20mm (0.8") thick Is the top backfill meeting Australian Standards (or local standards) minimum cover requirements and not exceeding 1600mm (5.3ft)? If YES: Compact according to AS 1289.5 If NO: Structural engineers' approval needed. Note: Ensure an equally distributed load light vehicle (i.e. Posi Track) is used to spread and level top backfill Placing and handling the backfill material: Is the backfill material placed alongside the excavation line around the tank? EOGRID (Optional) YES: Ensure a minimum Overlap of 1m (3ft) othe: Tensar BX 1200 or similar PING spipes no greater than 225mm (9")? Inlet: \$\phi\$mm / (") Outlet: \$\phi\$mm / (")	Note: Backfill materials containing clay should never be used Backfill sides between 200-500mm (7.87" - 19.68")? If YES: Compact according to AS 1289.5 If NO: Design must be approved by a structural engineer. Note: When backfilling and compacting, make sure that you do not pinch the liner or rub the compactor against the liner. Protect it with a plywood sheet 20mm (0.8") thick Is the top backfill meeting Australian Standards (or local standards) minimum cover requirements and not exceeding 1400mm (5.3ft)? If YES: Compact according to AS 1289.5 If NO: Structural engineers' approval needed. Note: Ensure an equally distributed load light vehicle (i.e. Posi Track) is used to spread and level top backfill Placing and handling the backfill material: Is the backfill material placed alongside the excavation line around the tank? EOGRID (Optional) YES Pinsure a minimum Overlap of 1m (3ft) Ote: Tensar BX 1200 or similar YES pipes no greater than 225mm (9")? Inlet: \$\phi\$mm / (") Outlet: \$\phi\$mm / (") Overflow: \$\phi\$mm / (") Other:\$ ES: Installed according to Atlantis installation guidelines

INSTALLATION CHECKLIST (Continued)

10	PROJECT DOCUMENTS		YES	NO
М	aintenance manual provided to the end	d user?	0	
Н	Handover Document provided to the end user?			
11.	SITE FINAL CLEANING		YES	NO
Н	Has cleaning been arranged?		0	0
12	PERMANENT PERIMETER		YES	NO
a.	Did you install signage to prevent any	traffic from entering the location?	0	
	If NO: Ensure a signage is present			
CC	MMENTS (For quality and training purp	poses)	YES	NO
Ai	After the excavation:			
1	ze / cross section / design matches the s			
0	ther:			
С	ompany:	Date:		
De	Designer:Signature:			

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END USER CHECKLIST

NOTE: The tank is solely used for its purpose to temporarily detain or permanently store potable or treated stormwater

MAINTENANCE GUIDANCE OF PRE-TREATMENT/FILTRATION SYSTEMS

	1.	Monthly/after significant storm events			
		a. No clogging at inlet/outlet structures/trash racks	0		
		b. Clean when there is excessive sediment build up in the pre-treatment device			
		c. Inspect, lubricate and conduct routine test to check reliability of pump(s)	0		
		d. Check condition and conduct function test of all pump starters and their controls including level control systems			
e. No obstruction of maintenance access/openings			0		
		f. Access into the tank system is secure (out of bounds to public and unauthorised personnel)	0		
	2.	Yearly as required			
		g. De-silting of the tank has been carried out, trash screens have been cleaned	0		
		h. Inspect, service, replace, lubricate and test performance of pump(s)	0		
		i. Check condition and conduct function test of all pump starters and controls including level control systems.	0		
		j. Replace faulty and worn out parts if required.	0		

INSTALL PERMANENT SIGNAGE

Signage Should Read:

CAUTION:

UNDERGROUND STORMWATER TANK BELOW Underlining maximum vehicle loads