PLASTREAM® TANK
DESIGN CHECKLIST

Customer details:

Name:			
Company:		**Date:**	

Design Process Instructions:

1) **Complete Parts A, B, C and D of this DESIGN CHECKLIST**
2) **Tank must be installed in accordance with Plastream Technical Guide.**
3) **At the time of order, final project drawings must be included.**
4) **Following completion of this checklist an engineering drawing shall be prepared and issued for review and approval.**

Project Details:

Project Name:			
Project Address:			
Region / Area:			
Customer Name:			
Site Contact Person:			
Site contact phone / email:			
Rocla Sales Person:		**Phone:**	
Planned installation Date:	(Subject to signed customer approved drawing)		

Customer Signature: _____ **Date:** _____

Plastream® Tank:

DESIGN CHECKLIST

PART A: General Design Parameters:

Are there site constraints governing the size of the structure?		
State dimensions available:	**m long x m wide x m deep**	
Are there relevant project drawings and specifications available? **If so, are they attached?**		☐ ☐
Is there geotechnical information available? (if not, Rocla minimum design assumptions will be applied as per installation guidelines) **If so, is it attached?**		☐ ☐
For multi-cell tanks, can varying tank diameters be used to minimise freight?		☐
If pre-treatment is required, state or attach design parameters?		
If hydraulic pump and control system is required, state design parameters?		

PART B: Detailed Design & Geometry:

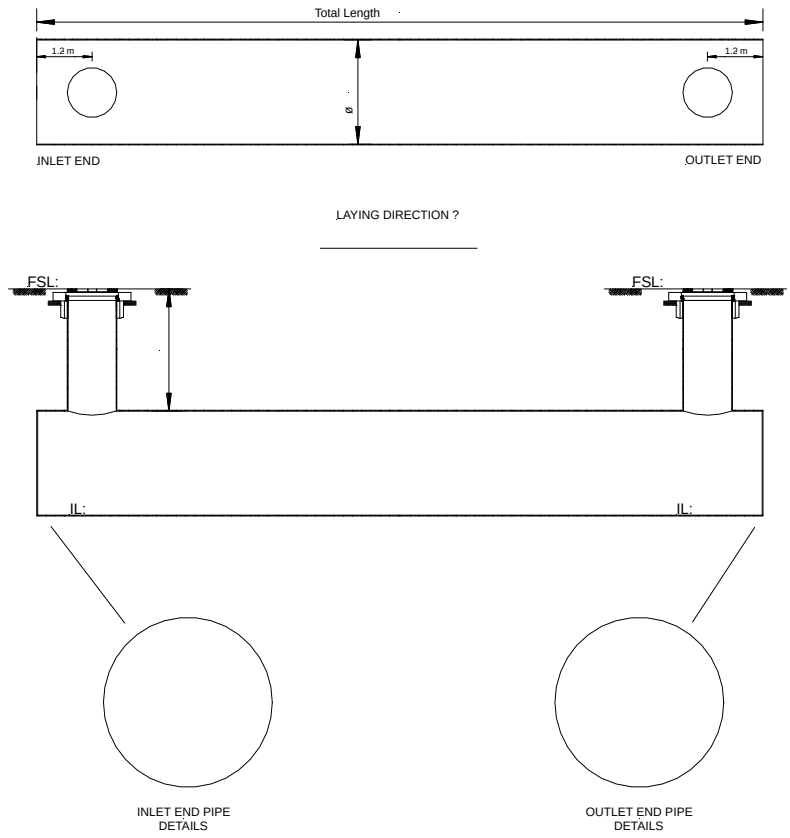
Total Volume of storage:	
Tank Diameter:	
Number of Cells:	
Risers / Cell:	(Show in Diagram 1 following)
Type of Application:	☐ **Detention (OSD)** ☐ **Retention** ☐ **Sewer Overflow**
Number of connections:	(Show in Diagram 1 following)
Surface / Invert Levels:	Show on Diagram 2 following
Inlet pipe(s) material:	☐ **PVC** ☐ **PE** (confirm size and location on diagram)
Outlet pipe(s) material:	☐ **PVC** ☐ **PE** (confirm size and location on diagram)
Location of connections:	Show on drawing on Page 2

Customer Signature: _____ **Date:** _____

PART C: Tank connections and Layout

Instructions:
1) Sketch details of required connections on Diagram 1 below.
2) Complete this sheet for each cell of the required storage tank system.

Diagram 1: **Cell No.:** **of** .



Notes:

1. Vanstone flanges will be used for PVC pipes and Stub or Flanged Adaptors will be used for PE pipes. Other connection types will have to be verified prior to being accepted orders.
2. Mark up inlet / outlet connection pipe levels and position on the drawing, including vent connector pipes.
3. Nominate the proposed laying direction on the drawing.
4. If there are multiple tanks, and the levels and/or pipe details are different, complete this sheet for each cell.
5. Access risers will be 1050mm diameter, except for 900dia and 1050dia tanks. These will be 900mm risers.
6. Spacing between multiple tanks and between trench wall and tank shall be 600mm if not otherwise specified in the project specification.
7. Strike through or add access risers on drawing if not/ additional required.

Stand Connection Sizes (mm):

PVC Vanstone Flange (diameter)					100	150	225	250	300	375
HDPE stub connection (O.D.)		110	160	180	225	250	315	355	450	630
HDPE flanged connection (O.D.)		110	160	180	225	250	315	355	450	630

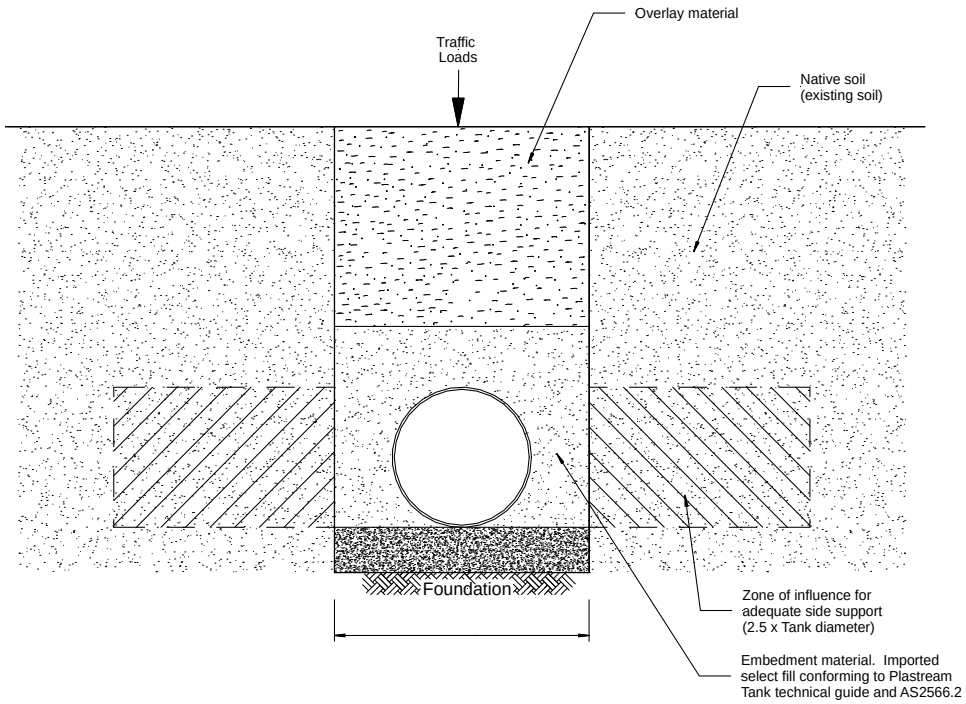
Customer Signature: _____ **Date:** _____

PART D: Site and Trench Details

Instructions:

1) **Sketch details of required trench on Diagram 2 below.**
2) **This sheet represents all tank cells.**

Diagram 2:



Soil Details and Traffic Loading:

Will there be a water table present:	**Yes**
What is the level of the water table (surface if not specified)**:**	
What is the expected existing soil type(s) on-site:	
Is embedment material and compaction per technical guide:	**Yes**
Will the finished system be subjected to traffic loading:	**Yes**
If so, specify: ☐ **W7** ☐ **HLP320** ☐ **SM1600** ☐ **T44** ☐ **HLP400** ☐ **W80**	

Notes:

1. If material and compaction is not as per Plastream Tank Technical guide, then proposed installation must be reviewed and agreed by the site project engineer.
2. The zone of influence shown above must be of suitable material to provide adequate support to embedment.
3. If native material is plastic soil (eg clay), high in organic content, or is soft soil with little strength, then this material should be removed and replaced with higher quality material as per AS2566.1.
4. If traffic loads are present, then these loads can only be applied at the design surface. Construction loads must be limited to avoid damaging the tank during installation.

Customer Signature: _____ **Date:** _____