

## Submersible 2 Pump Wastewater Pumping Stations

Standard Product
Data Sheet

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Document Title:	Section 900 – Standard Waste Water Pumping Statio		eet
Document Reference:	SSP-SP-DSH-09002001		
Version:	2.0	Date:	Sept-15

## **Record of Changes and Amendments**

Amendment Number	Amendment Date	Document Section/Clause Reference Number	Document Section/Clause Header	Brief Summary of Change	Document Version Number
001	July 15	N/A	N/A	First Issue	1.0
002	Sept-15	N/A	N/A	Various minor amendments	1.1
003	Sept 15	N/A	N/A	Upversion for Implementation	2.0

## STANDARD PRODUCT DATASHEET WASTEWATER PUMPING STATION

Project Title	Document Reference (Proj ID & Data Sht No)	
Site Name	Revision	
Site Location	Date	

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Purpose of Enquiry (✓)	
Query / Quote	
Order	

Full Catalogue Part Numbers
Pumping Station
Example: PS02-VC02-'Pump Model No.'
MCC and Kiosk
Example: GA02-MIGI-WP01-VSD02-FSW01-KS03

Sub Assemblies Required (Y/N)		
Wet Well		
Valve Chamber		
Control Panel (Baseline)		
Control Panel (MCC Catalogue)		
Kiosk		

Wet Well (✓)		
PS01a		
PS01b		
PS02		
PS03		

Valve Chamber (✓)	
VC01	
VC02	
VC03	

Pumps	
Wet Well Flushing Valve	
Required (Y/N)	N*
Number Required	
Pump Throughlet	
Diameter of Solid Sphere Required to	
be Passed by the pump (mm)	

Pump Selection	
Pump Supplier	
_	
Pump Model No.	
Curve No.	
Guive 140.	
Pump Discharge Taper	
Required (Y/N)	
Type	Eccentric*
Size (inlet & outlet dia.)	

<b>Pumping Station Duty Requirements</b>	
Maximum Total Flow rate (I/sec)	
Minimum Flow rate (I/sec)	
Static Head (m)	
Maximum	
Minimum	
Dynamic Head (m)	
At Maximum Duty Flow rate	
At Minimum Duty Flow rate	
Total Pump Head (m)	
At Max Duty / Maximum Static Head	
At Minimum Duty / Minimum Static	
Head – if required	

Sewage Properties	
Solids content (%wt)	
Rag content (high/low)	
Abrasive solids content (high/low)	
pH	
Salinity (peak/average) (mg Cl/l)	
Temperature (inlet) (min/max) (°C)	

Wet Well	
Shuttering required (Y/N)	Y*
Shuttering gap required (mm) – 50mm	
increments from 150-300mm	
Split Wet Well Required (option for	
wet wells deeper than 4 metres) (Y/N)	

Valve Chamber	
Shuttering required (Y/N)	Y*
Space between well and shuttering	
required (mm)	

Pressure Testing (WIMES 8.03) (wet well and valve chamber modules)	
Test Pressure (bar g)	
Test Duration (hrs)	
Witness Testing (Y/N)	

DSEAR	
Wet Well (and valve chamber)	
DSEAR Rating (✓)	
Non-Hazardous	
Zone 1	
Zone 2	

Sub Assembly Relationship	
Distance (m) between sub assemblies to determine length of	
cable runs and pipe connections	
Wet Well to Valve Chamber	
Valve Chamber to MCC	

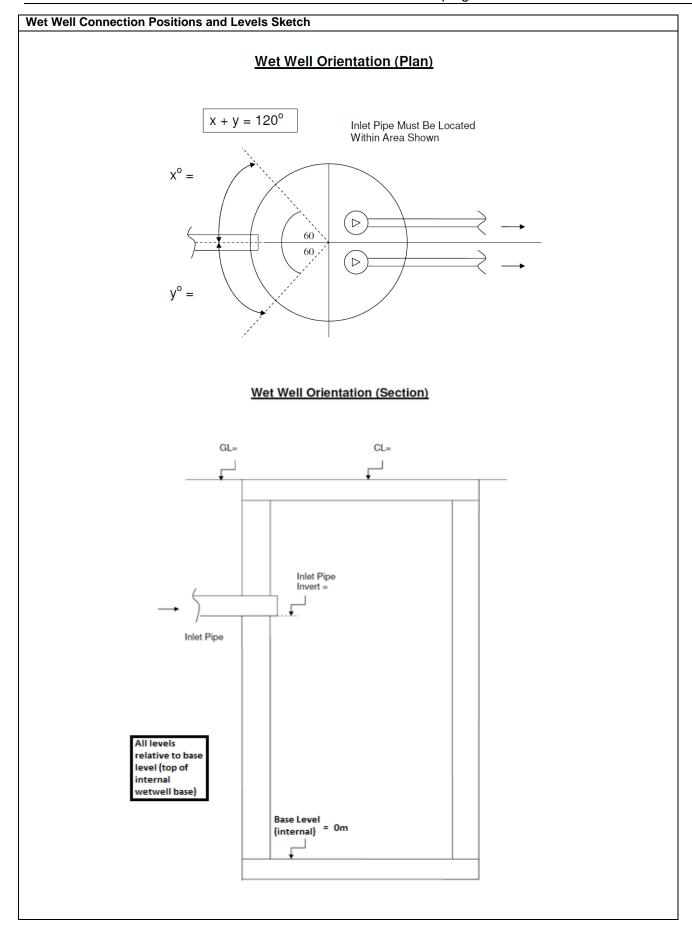
Telemetry Design	
Telemetry Design Complete (Y/N)	
Details Attached (Y/N)	

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Control Set points (Automatic Control)  Ultrasonic Levels (C)  Pump Stop / Dry Running Protection Level (m)  Pump Start Level (m)  High Level Alarm (m)  Overflow Operating Level Alarm (m)  Float Switch (Wet Well High Level) (D)  Required (Y/N)  Pump Float Control Run On Timer (seconds)  Wet Well Scavenge (E)  Required (Y/N)  Wet Well Scavenge Frequency (hours)  Wet Well Scavenge Frequency (hours)  Pump Running Low Flow (F)  Required (Y/N)  Pump Running Low Flow Set point (I/s)  Pump Running High Flow (G)  Required (Y/N)  Pump Running High Flow Set point (I/s)  Pump Running High Flow Set point (I/s)  Pump Running High Flow Set point (I/s)  Pump Reversal Routine (H)  Required (Y/N)  Pump Reverse Running Speed (%)  Pump Reverse Running Pause Duration (seconds)  Reverse Running Pause Duration (seconds)  No. of Reverse Cycles per hour prior to failure.  Maximum Pump Off Timer (I)  Required (Y/N)  Required (Y/N)  Presentage over current to tripger for the failure.  Maximum Pump Off Timer (I)  Required (Y/N)  Required (Y/N)  Required (Y/N)  Maximum Duty pump Run Timer (J)  Required (Y/N)  Required (Y/N)  Maximum Duty pump Run Timer (J)  Required (Y/N)  Re		
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