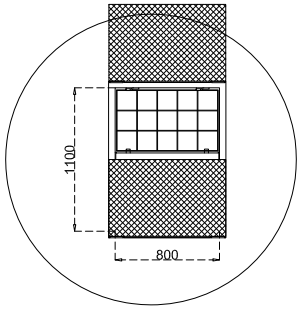
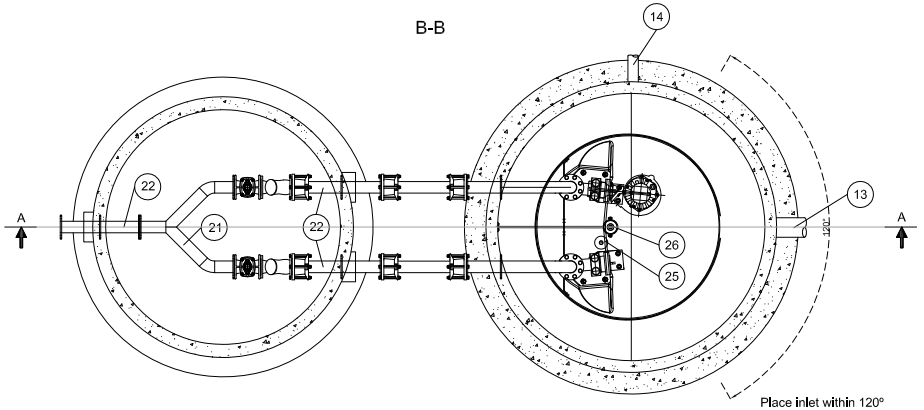
Pump Station Access Hatch
with clear opening



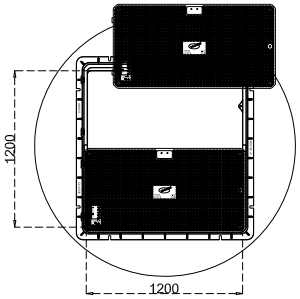
B-B



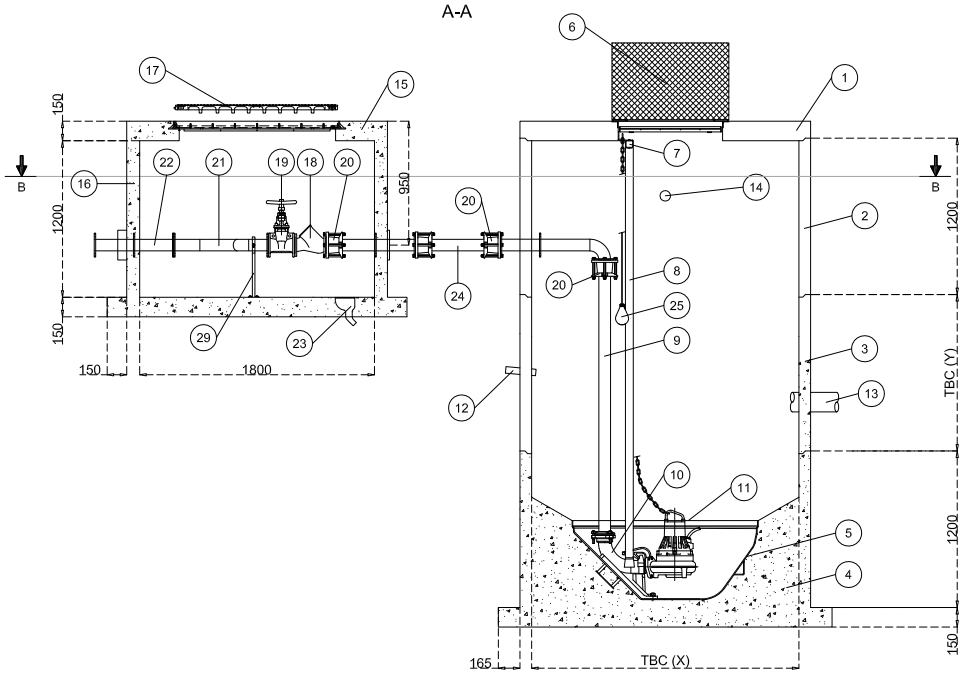
Items Included

	DETAIL
1	Precast concrete cover slab complete with access hatch installed
2	Precast top riser section with outlets pre-installed, Epoxy coated
3	Standard Humes manhole riser section, Epoxy coated
4	Precast base section with Flygt TOPS100 base pre installed
5	Patented Flygt TOPS100 fiberglass base
6	Dual door aluminum checker plate access hatch with safety grating
7	Flygt upper guide rail holder - Stainless steel
8	Pump guide rails (50mm) - Stainless steel
9	Rising main (100mm) - Stainless steel
10	Flygt pump discharge connection with multi joint Wagga connection
11	Flygt submersible pump (100mm outlet)
12	Drain pipe entry from valve chamber (to be drilled onsite)
13	Inlet connection (to be drilled onsite)
14	Electrical conduit to control cabinet (to be drilled onsite)
15	Precast valve chamber cover slab with access hatch installed
16	Precast Circular manhole valve chamber
17	Humes sheet moulded compound modular access hatch - Class B rated
18	AVK ball check valve (100mm)
19	AVK resilient seat gate valve (100mm) (Clockwise closing with handle)
20	AVK 603 Supa universal flanged adaptor (100mm)
21	Prefabricated Y connection (100mm) - Stainless steel
22	Prefabricated spools with puddle flanges (100mm) - Stainless steel
23	Valve chamber drain (connection to be made onsite)
24	OPVC connection pipes for supa adaptor between wet well and valve chamber
25	High level float switch (Flygt ENM-10) - Suspended from upper guide rail holder
26	Pressure transducer (Flygt LTU701) - Suspended inside stilling tube
27	PVC Stilling tube for transducer
28	Wall bracket for PVC stilling tube (no. of brackets determined by depth)
29	Brackets to support valves in valve chamber

Valve Chamber Access Hatch
with clear opening



A-A



Station Diameter (X)

The TOPS100 pump station is available in 2050, 2550 and 3050mm.

Station Riser Section (Y)

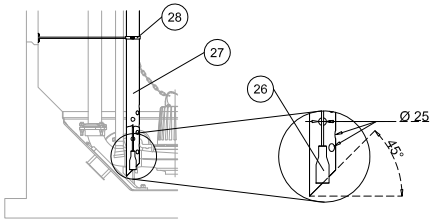
Riser section are available in 600, 1200, 1800 and 2400mm. This allows the pump station to be available in any depth up to 12m.

Delivered on site

The pump station will arrive on site as a kit set, comprising of a wet well base, riser sections and top riser.
The valve chamber will arrive as one compete unit with all valve and pipe work pre installed.
Pumps and control panels can be arranged to be delivered with the pump station or a later date if required.
Station inlet and other services conduits to be drilled on site to suit the specific installation.

Volume of base riser

Station diameter	Base volume
2050mm	2.2m3
2550mm	2.7m3
3060mm	2.9m3



ITT HUMES

ISSUE	No	DATE	AUTHO

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DO NOT SCALE

ITT Humes Group

CLIENT & PROJECT

CONTRACT No.

TITLE: Standard ITT/Humes Package pump station
For 100mm pumps and plpe work

DRAWING No.: STD-TOP100-PPS

SCALE	DESIGNED	DRAWN	CHECKED	APPROVED	DATE
N.T.S.	RM, JB, NW	RM			17/03/2010

SHEET No. 1 OF 1