

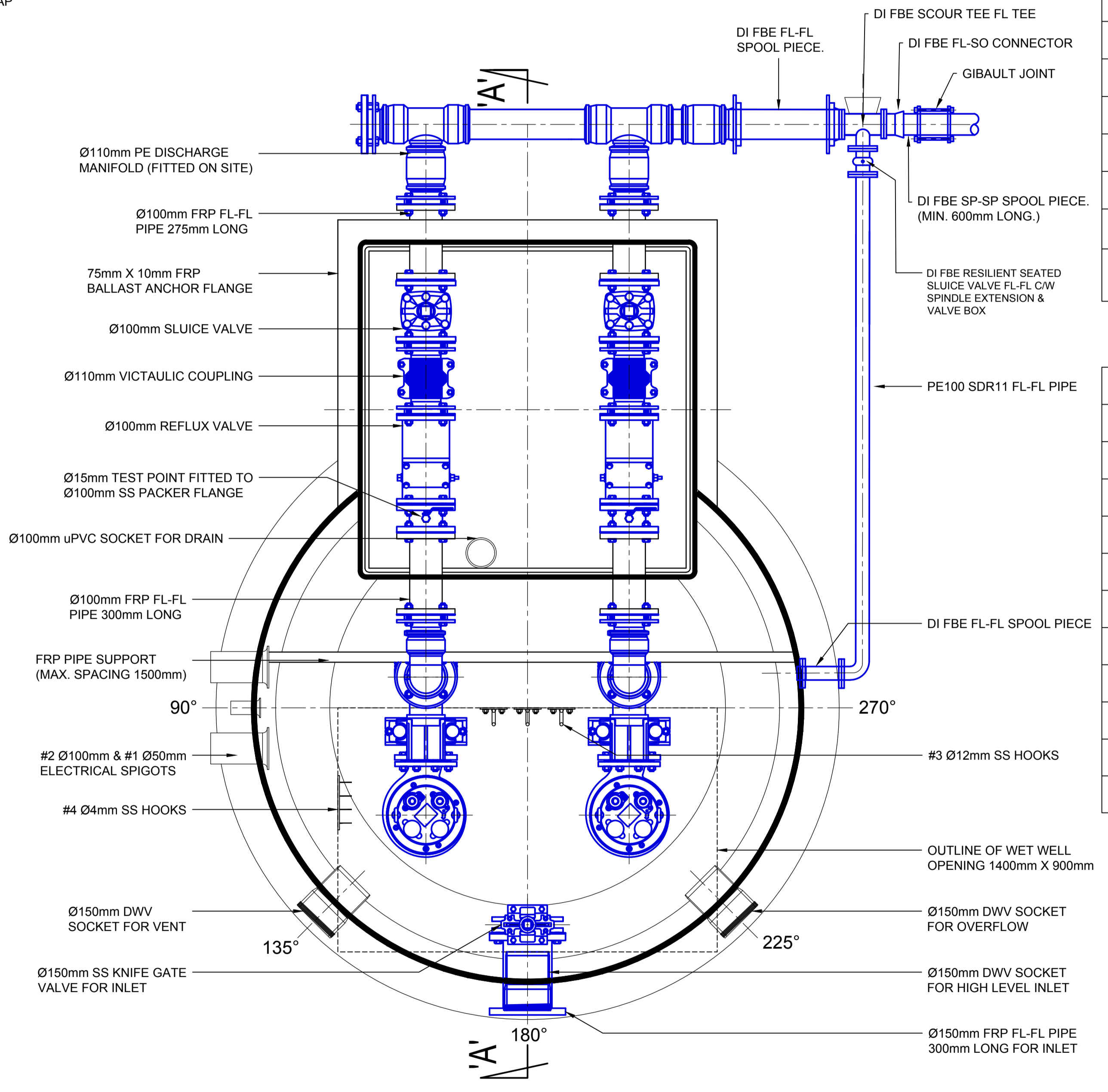
**NOTES**

- COMBO WELL TO BE MANUFACTURED IN ACCORDANCE WITH ENGINEERING SPECIFICATION - MESPEC01.
- COMBO WELL TO BE INSTALLED IN ACCORDANCE WITH ENGINEERING INSTALLATION INSTRUCTIONS.
- BALLAST CONCRETE REQUIRED FOR COMBO WELL INSTALLATION. REFER INSTALLATION INSTRUCTIONS.
- ALL WET WELL METALWORK EXCEPT LIDS TO BE STAINLESS STEEL. ALL VALVE PIT METALWORK EXCEPT LIDS TO BE GMS.
- ALL BOLTS IN THE COMBO WELL TO BE GRADE 316 STAINLESS STEEL. ALL NUTS AND WASHERS TO BE GRADE 304 SS.
- SLUIJVE VALVES TO BE FLANGED, RESILIENT SEATED, EPOXY COATED AND ANTI-CLOCKWISE CLOSING WITH SPINDLE KEY.
- NON-RETURN VALVES (REFLUX VALVES) TO BE FLANGED, RESILIENT SEATED AND EPOXY COATED.
- DISMANTLING JOINTS TO BE VICTAULIC COUPLINGS WHICH ARE EPOXY COATED WITH STAINLESS STEEL FASTENERS.
- PUMP CHAINS TO BE Ø10mm GRADE 316 STAINLESS STEEL FITTED WITH Ø12mm SS SHACKLES. CHAINS AND SHACKLES LOAD RATED AND TAGGED.
- FIT "CONFINED SPACE" SIGNAGE TO WET WELL AND VALVE PIT LIDS.

**OPERATING LEVELS**

DESCRIPTION	R.L.	DESCRIPTION	R.L.
R.L. M HIGH LEVEL ALARM	5.050	R.L. P DUTY PUMP CUT-IN	4.450
R.L. N PUMP CUT-OUT	4.900	R.L. Q LOW LEVEL ALARM	4.300
R.L. O STANDBY PUMP CUT-IN	4.600		

INLET #1	- SIZE - MATERIAL - VALVE - SPINDLE	Ø150mm FRP FL-FL SS KNIFE GATE VALVE SS NON-RISING
HIGH LEVEL INLET	- SIZE - MATERIAL	Ø150mm uPVC DWV GRADE
OUTLET	- SIZE - MATERIAL	Ø100mm FRP
PIPEWORK	- SIZE - MATERIAL	Ø110mm OD PE100 PN12.5
VENT	- SIZE - MATERIAL	Ø150mm uPVC DWV SOCKET
OVERFLOW	- SIZE - MATERIAL	Ø150mm uPVC DWV SOCKET
BYPASS	- SIZE - MATERIAL	Ø110mm / Ø100mm PE100 PN12.5 / AL
SCOUR	- SIZE - MATERIAL	Ø110mm / Ø100mm PE100 PN12.5 / uPVC
VALVE PIT DRAIN		Ø100mm uPVC SOCKET WITH FLAP
ELECTRICAL CONDUITS		#2 Ø100 & #1 Ø50mm BELLMOUTH SPIGOTS
PUMPS	- MODEL - DISCHARGE	HOMA MX2336-PU62 Ø100mm (HOMA)
ACCESS	- HATCH - FRAME - SAFETY GRILL	6MM ALUMINIUM ALUMINIUM ALUMINIUM



	R.L.	HEIGHT
R.L. A FINISHED LEVEL	10.000	6000
R.L. B C RISING MAIN	9.100	5100
R.L. C L C CONDUITS	9.300	5300
I.L. D L INVERT INLET #1	5.200	1200
I.L. E INVERT HIGH LEVEL INLET	5.500	1500
I.L. G INVERT VENT	9.500	5500
I.L. H OVERFLOW	8.500	4500
I.L. K INVERT SCOUR	9.050	5050
R.L. I L BASE OF VALVE PIT	8.800	4800
R.L. F WET WELL SUMP LEVEL	4.000	0
WET WELL DEPTH R.L. A - R.L. F		6000mm
VALVE PIT DEPTH R.L. A - R.L. I		1200mm

SECTION A-A

REV. No.	DATE.	DESCRIPTION.	AUTH.
A	13/10/2020	ORIGINAL ISSUE	

**CTM SEWERAGE SERVICE PROVIDERS**

**SEWERAGE PUMP STATION STANDARD DRAWING**  
**FRP TYPICAL ARRANGEMENT**  
**SEWER PUMP STATION**  
**SECTION AND PLAN**

CRC	MRC	TCC
DRAWING No.		REVISION.
<b>CTM-SPS-006</b>		<b>A</b>
SCALE :- NOT TO SCALE		ORG. DATE.
		13/10/2020