

PERMEABLE HARDSTANDING (SEE NOTE 3)

TREATED EDGE BOARDING

RETRACTABLE ULTRASONIC UPPER GUIDE RAIL BRACKET  
NOTE 4

OPTIONAL INTEGRAL SHUTTERING TO TANK

6m MAX DEPTH (NTS)

STORAGE LEVEL  
STOP LEVEL  
START LEVEL

SUBMERSIBLE PUMP, PEDESTAL & GUIDE RAILS

**SECTIONAL ELEVATION**

PIPE SUPPORT BRACKET

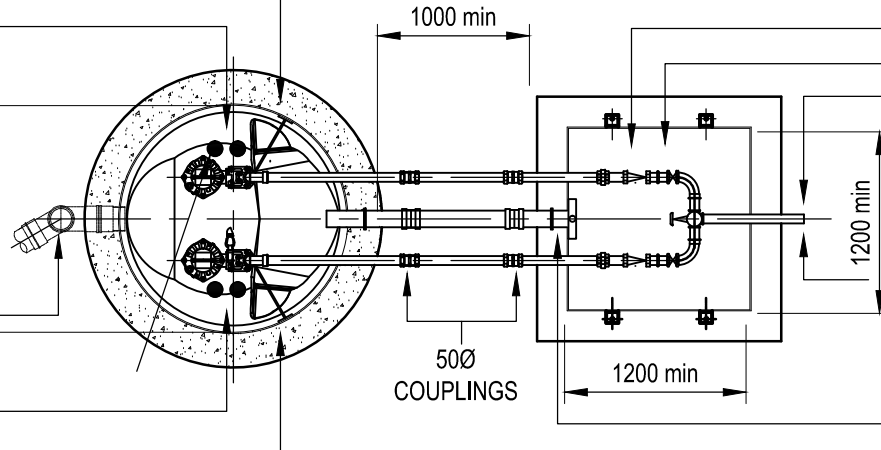
LEVEL REGULATORS OPTIONAL LOCATIONS

DIA DEPENDANT ON STORAGE REQUIREMENTS (MIN 1.2m)

ORIENTATION OF INLET PIPE TO SUIT INCOMING FLOW

LEVEL REGULATORS OPTIONAL LOCATIONS

PIPE SUPPORT BRACKET



**SECTIONAL PLAN**

DOUBLE/TWIN ACCESS FRAME AND COVERS TO DCWW SPEC. A REBATE MUST BE LEFT AROUND TOP EDGE OF CLEAR OPENING. FRAMES TO BE GROUTED IN POSITION AFTER INSTALLATION

PENSTOCK & EXTENSION SPINDLE FOR CHAMBER DRAIN

50mm Ø GATE VALVE

GRP CHAMBER. SEE NOTE 6

OPTIONAL INTEGRAL SHUTTERING

CONCRETE BASE SLAB

PIPE SUPPORT BRACKET

110Ø DRAINAGE PIPE

PIPE LENGTH TO SUIT THE DEPTH OF TANK. SUPPORT BRACKETS BONDED TO WALL

GRP TANK

CONCRETE BASE SLAB

NON RETURN VALVE

GATE VALVE

PIPEWORK CONNECTION TO RISING MAIN BY OTHERS

SPIGOT END

PENSTOCK & EXTENSION SPINDLE FOR CHAMBER DRAIN

ALTERNATIVE LOCATIONS FOR 110Ø CABLE DUCTS AND VENT PIPE

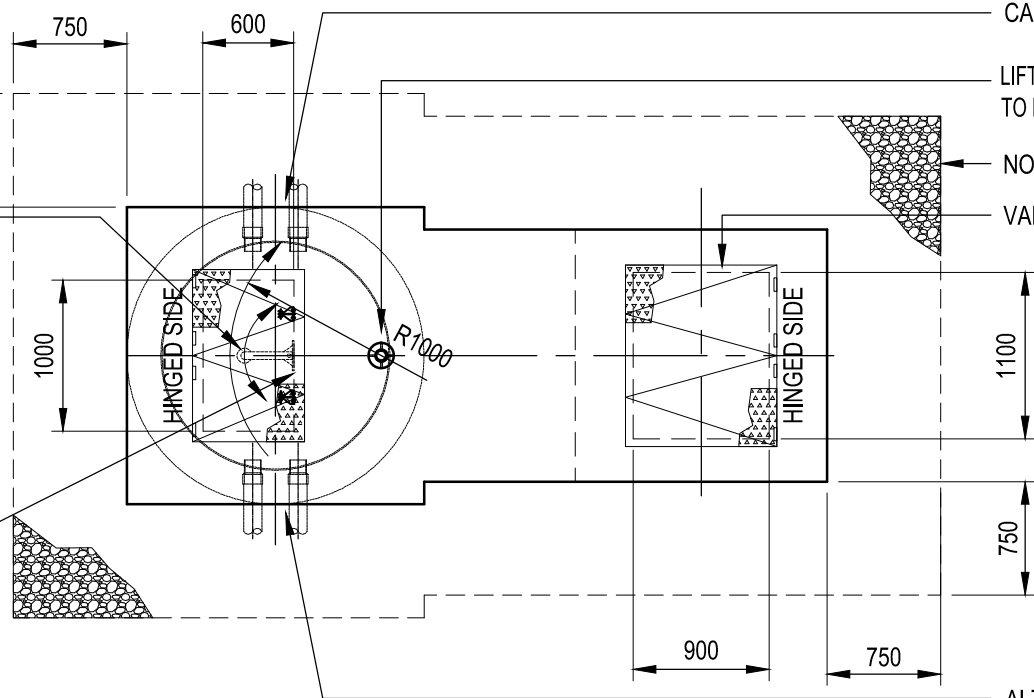
LIFTING DAVIT SOCKET ON 1m RADIUS TO PUMP CENTRELIN

NOTE 3

VALVE CHAMBER WITH HINGED ACCESS COVERS

ULTRASONIC LEVEL ON A RETRACTABLE SWING ARM (VERT & HORIZ). LOCATION POSITIONED TO AVOID THE INFLOW CONDITIONS ON SITE

GUIDE RAIL SUPPORT BRACKET BOLTED TO TANK CLEAR OPENING



**PLAN AT GROUND LEVEL**

ALTERNATIVE LOCATIONS FOR 110Ø CABLE DUCTS AND VENT PIPE

**NOTES**

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH CS501 (CESWI 7th EDITION) AND CS501A (DCWW CIVIL SPECIFICATION).
2. FINISHED GROUND LEVEL TO BE AGREED AND CONFIRMED WITH LAND OWNER & DCWW LAND AGENT.
3. WHERE PERMISSIBLE (SUBJECT TO LOCATION OF PUMPING STATION), A 750mm WIDE PERMEABLE HARDSTANDING SHALL BE PROVIDED ON ALL SIDES OF WET WELL & VALVE CHAMBER AS INDICATED ON GROUND LEVEL PLAN.
4. CONCRETE BASE AND SURROUND THICKNESS DESIGNED IN ACCORDANCE WITH PACKAGE PUMPING STATION SUPPLIERS RECOMMENDATIONS, TO RESIST FLOTATION AND ASSOCIATED LOADINGS.
5. PROVISION OF ADEQUATE PUMP CHAMBER VENTILATION TO ATMOSPHERE IS TO BE ENSURED. VENT SIZE TO BE A MINIMUM OF 100mm DIA. VENT TO BE TAKEN FROM A POINT AS HIGH AS PRACTICABLE ON SITE.
6. INDICATIVE COMPOSITE GRP CHAMBERS WITH CONCRETE SURROUND SHOWN. ALTERNATIVELY, CHAMBERS MAY BE CONSTRUCTED IN REINFORCED CONCRETE SIZED TO SUIT PUMP & VALVE ARRANGEMENTS.
7. FOR DETAILS OF CONTROL KIOSK, SEE DRAWINGS .....

A	FIRST ISSUE	TD	PM		JULY 2013
REV	REVISION	DRN	CHK	REVD	DATE



**DCWW STANDARD DRAWINGS**

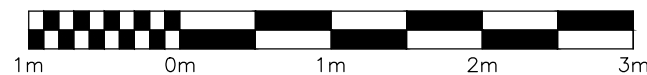
GROUP:SD19

**PACKAGE PUMPING STATIONS**

TITLE:  
**PUMPING STATION TYPE 1 - 50Ø  
PIPEWORK ARRANGEMENT  
(PUMPED FLOWS 1.5L/S-3.8L/S)**

	INITIALS	DATE	SCALES
DRAWN BY:	TD	SEPT. 2012	1:50
CHECKED BY:	PM	JULY 2013	
REVIEWED BY:	RD	JULY 2013	

DIMENSIONS IN MILLIMETRES		A3
CLIENT DRAWING NO.	SDM4001/001	REV. A



Scale 1:50