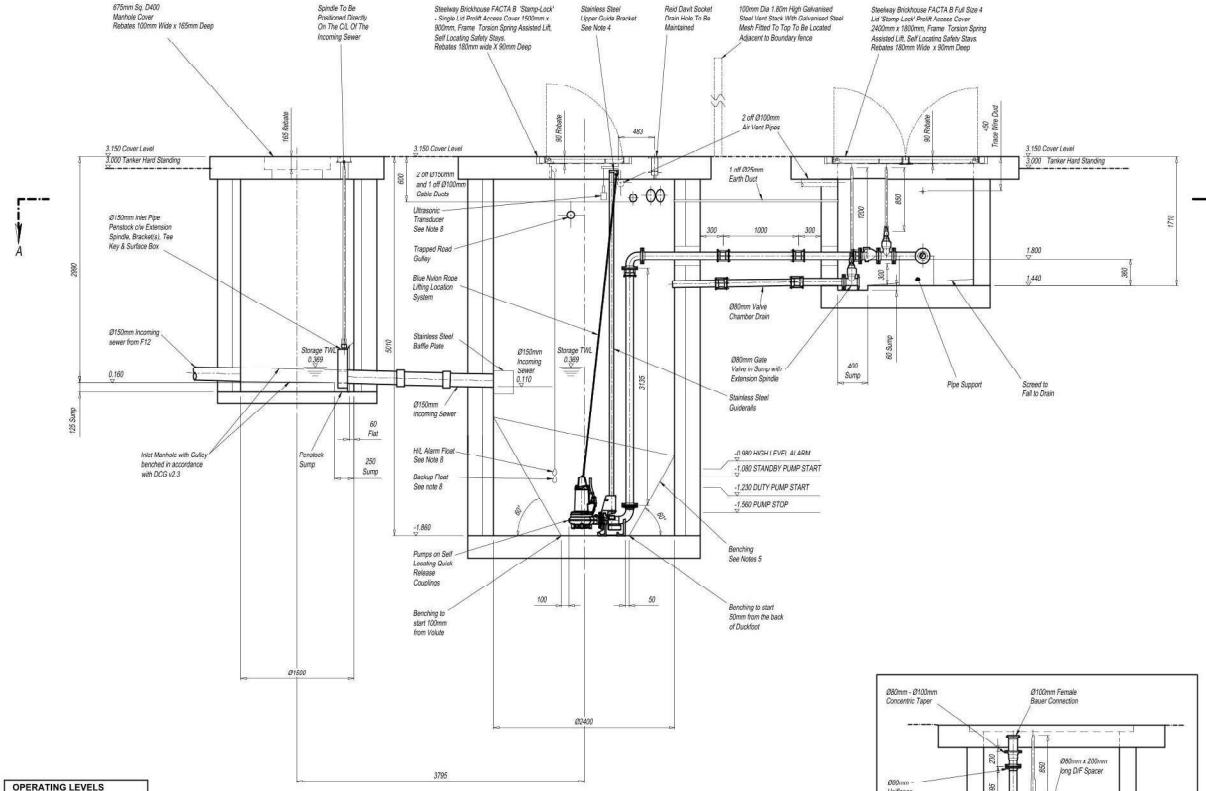
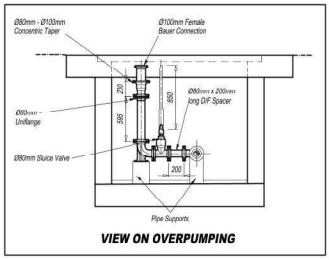


OPERATING LEVELS	
MAXIMUM STORAGE LEVEL	0.290
LOWEST INLET	0.110
HIGH LEVEL ALARM	-0.980
STANDBY PUMP START	-1.080
DUTY PUMP START	-1.230
PUMP STOP	-1.560
WET WELL BASE	-1.860

All Spindles and Risers Over 1m Long Supported at High Level (detail omitted for clarity)

All Cut Pipe Joints As Close To Structures As Possible Consistent With Making The Joint. The Rocker Pipes To Be 1m Or Equal To One Nominal Pipe Diameter Whichever Is The Larger

VIEW ON SECTION B - B



VIEW ON OVERPUMPING

NOTES

1. DO NOT SCALE.
2. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES AND ALL INVERTS IN METRES AOD.
3. ALL CIVIL WORKS IS THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR INCLUDING FIXING OF STEELWORK SUCH AS ACCESS COVERS AND PENSTOCKS ETC. INSTALLATION OF CABLE DUCTS, BENCHING AND MAKING GOOD AROUND PIPES AFTER INSTALLATION.
4. REINFORCING BARS ARE TO BE A MINIMUM OF 75MM BELOW THE SURFACE. ANY STRUCTURAL DETAILING / CIVIL WORKS SHOWN SHOWN ON THIS DRAWING ARE ILLUSTRATIVE ONLY UNLESS OTHERWISE STATED AND SHOULD NOT BE USED FOR CONSTRUCTION.
5. BENCHING IS TO BE FORMED AFTER PUMP INSTALLATION AND TO BE IN ACCORDANCE WITH THE APPROPRIATE DESIGN AND CONSTRUCTION GUIDANCE AND ADOPTING AUTHORITY SPECIFICATION.
6. UNLESS OTHERWISE STATED, ALL DUCTS ARE TO BE Ø100MM AND BE COMPLETE WITH DRAW ROPES. SERVICE DUCTS TO BE TO THE UTILITY SUPPLIERS SPECIFICATION.
7. DUCT ROUTES ARE SHOWN DIAGRAMMATICALLY ONLY. ALL DUCTS LAID IN THE MOST DIRECT ROUTE TO SUIT THE SERVICE BEING CARRIED AVOIDING ANY ACUTE CHANGES OF DIRECTION.
8. LEVEL CONTROL POSITIONS ARE SHOWN DIAGRAMMATICALLY ONLY. THEY WILL BE POSITIONED AWAY FROM OBSTRUCTIONS AND BE READILY ADJUSTABLE AFTER INSTALLATION.

STATION INFORMATION

PUMP TYPE	SULZER	XFP80U VX.4 PE22/4
IMPELLER		VORTEX / 171mm
MOTOR RATING		2.2 kW
FULL LOAD CURRENT		4.6 A FLC
ZONE RATING		EXP
DUTY FLOW		4.75 L/Sec
HEAD GENERATED		5.13m
LEVEL CONTROLS		PULSAR ZENITH ULTRASONIC C/W HIGH LEVEL ALARM AND BACK UP FLOAT SWITCHES
PIPE / VALVE SIZE		Ø80mm
FINAL DISCHARGE		
INTERNAL DIAMETER		Ø80mm-Ø100mm Flat Taper
MATERIAL		DUCTILE IRON
TERMINATION		FLANGED
PIPE OD		N/A
FLANGE DATA		Ø100mm PN16 DRILLED
RISING MAIN		110mm OD PE100 SDR11 (89.1mm BORE)
RISING MAIN COUPLER		BY THE DEVELOPER/ CONTRACTOR

REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'd
C	14/08/24	Air Valve Removed. Head Generated, Operation Levels, Pump Station Invert Level, Valve Chamber Depth and Wet Well Depth Updated.	K.T.	"	K.A.
B	02/04/24	Wet well riser pipe amended and minor changes applied.	K.A.	"	K.A.
A	23/01/24	Updated in line with Anglian Water specification.	L.R.	"	K.A.

FOR APPROVAL

PDAS TOTAL WATER EXPERTISE — DESIGN INSTALL PROACTIVE

BUILDING 1-5, HITECH PENALTY BUSINESS PARK, PIRBLEY, CAMBERLEY, SURREY, GU16 7SG
OFFICE TEL No. (01483) 830530
WEBSITE WWW.PDAS.TD.CO.UK

PROJECT: LIME WALK LONG SUTTON

TITLE: FOUL WATER PUMP STATION ELEVATION VIEW

CLIENT: H A ARCHITECTURAL SERVICES

SCALE AT A1	1:25	SCALE AT A3	1:50
SITE ID	3617	APR'd K.A.	DATE 12-01-2024
JOB NO.	21847	CHK'd E.T.	DATE 12-01-2024
DRAWING NUMBER	3617 21847 001	DR'n A.T.	DATE 12-01-2024

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