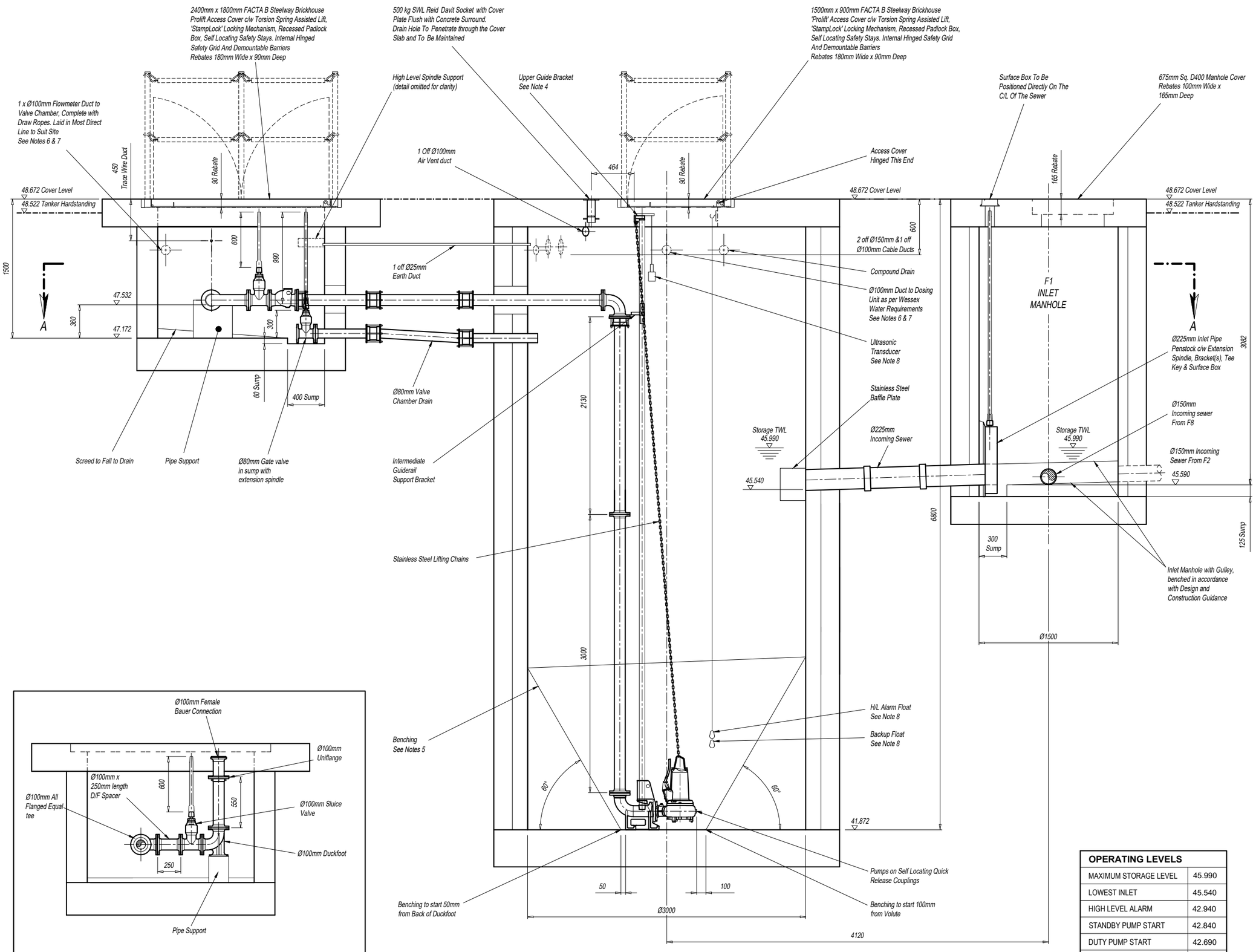


VIEW ON OVERPUMPING

VIEW ON SECTION B - B

NOTES

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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.
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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	XFP100C CB1 PE22/4
IMPELLER		CB1.4 / 180mm
MOTOR RATING		2.2 kW
FULL LOAD CURRENT		4.6 A FLC
ZONE RATING		EXP
DUTY FLOW		6.1 L/Sec
HEAD GENERATED		6.24m
LEVEL CONTROLS		PULSAR ZENITH ULTRASONIC C/W HIGH LEVEL ALARM AND BACK UP FLOAT SWITCHES
PIPE / VALVE SIZE		Ø100mm
FINAL DISCHARGE		
INTERNAL DIAMETER		Ø100mm
MATERIAL		DUCTILE IRON
TERMINATION		FLANGED
PIPE OD		N/A
FLANGE DATA		Ø100mm PN16 DRILLED
RISING MAIN		125mm OD PE100 SDR11 (101.3mm BORE)
RISING MAIN COUPLER		BY THE DEVELOPER/ CONTRACTOR

REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l
F	18/09/23	Dosing Unit Duct added, Duct positions rearranged.	E.T.	-	D.C.
E	12/09/23	Head Generated amended.	L.R.	-	D.C.
D	14/08/23	Head Generated amended.	L.R.	-	D.C.
C	31/07/23	Air Valve removed from VC. VC Vent removed. VC size adjusted.	L.R.	E.T	D.C.
B	28/06/23	WW diameter, IM, WW depth and operating levels adjusted. Head generated amended.	L.R.	E.T	D.C.
A	05/05/23	Updated Storage TWL.	L.R.	D.C.	D.C.

OPERATING LEVELS	
MAXIMUM STORAGE LEVEL	45.990
LOWEST INLET	45.540
HIGH LEVEL ALARM	42.940
STANDBY PUMP START	42.840
DUTY PUMP START	42.690
PUMP STOP	42.172
WET WELL BASE	41.872

FOR APPROVAL

PDAS TOTAL WATER EXPERTISE
DESIGN INSTALL PROACTIVE
BUILDING 4.6, HTECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG
OFFICE TEL No. (01483) 930520
WEBSITE WWW.PDASLTD.CO.UK

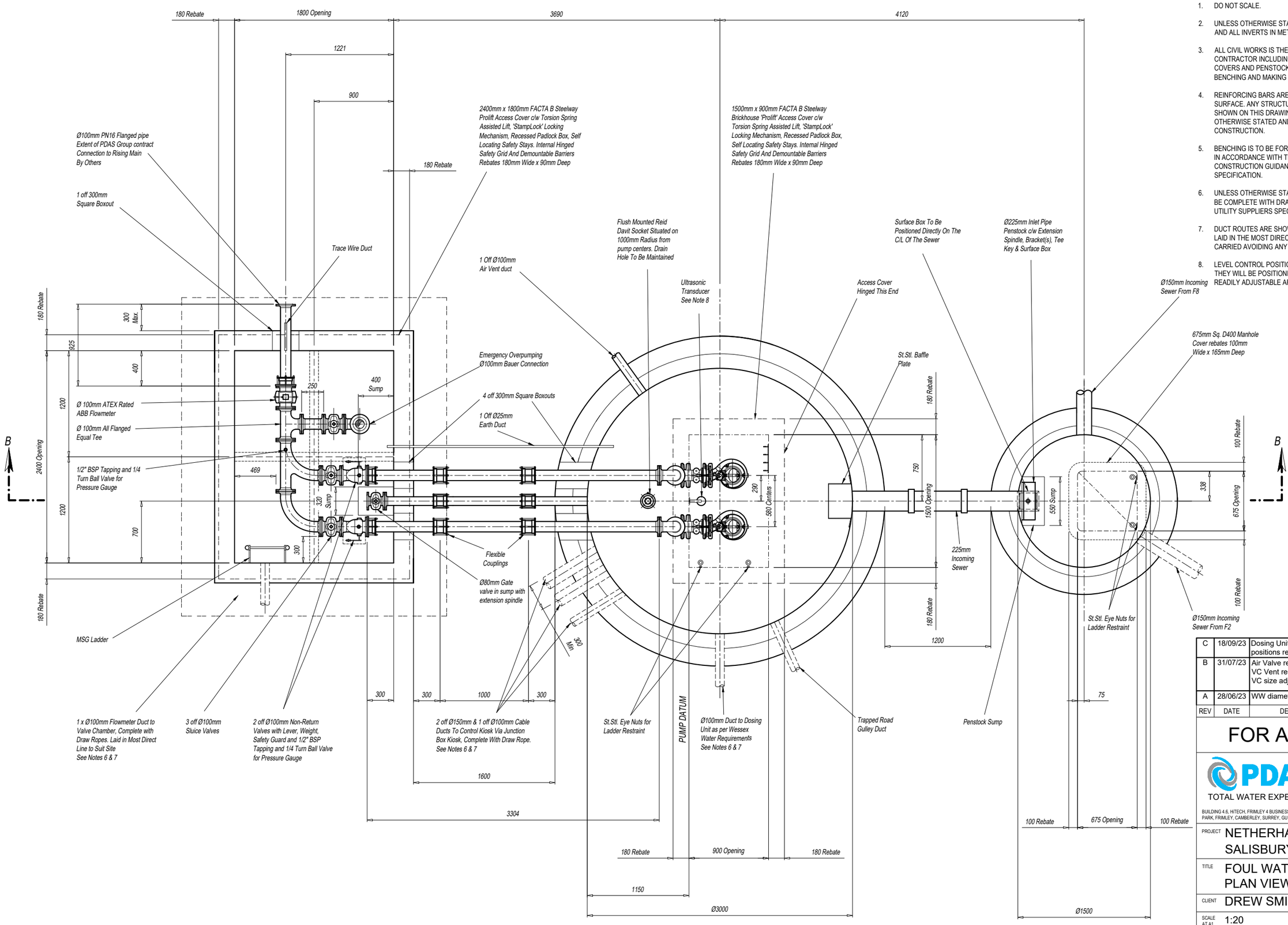
PROJECT: NETHERHAMPTON ROAD NORTH SALISBURY

TITLE: FOUL WATER PUMP STATION ELEVATION VIEW

CLIENT: DREW SMITH HOMES LTD

SCALE AT A1	1:20	SCALE AT A3	1:40
SITE ID.	2907	APR'l D.C.	DATE 14-02-2023
JOB NO.	18754	CHK'd D.C.	DATE 14-02-2023
DRAWING NUMBER	2907-18754-001	DR'n A.T.	DATE 14-02-2023

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VIEW ON SECTION A - A

NOTES

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REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l
C	18/09/23	Dosing Unit Duct added, Duct positions rearranged.	E.T.	-	D.C.
B	31/07/23	Air Valve removed from VC. VC Vent removed. VC size adjusted.	L.R.	E.T	D.C.
A	28/06/23	WW diameter amended.	L.R.	E.T	D.C.

FOR APPROVAL

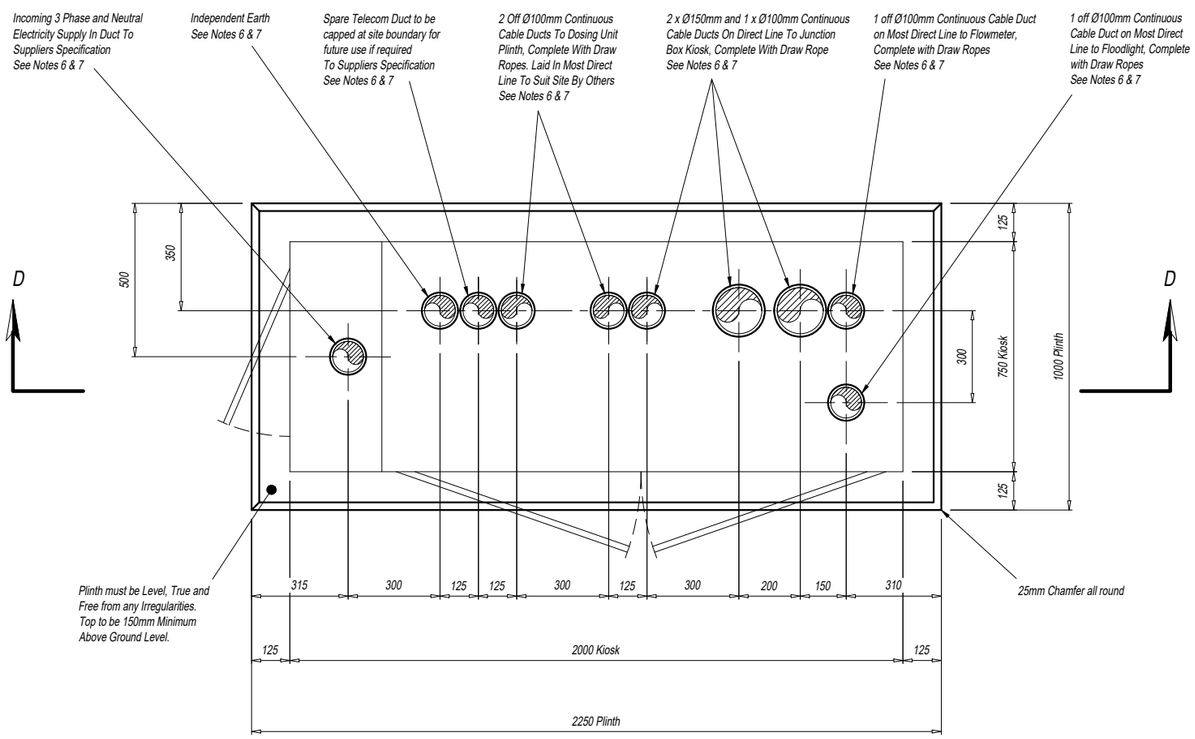
PDAS
TOTAL WATER EXPERTISE
DESIGN INSTALL PROACTIVE
BUILDING 4.6, HITECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG
OFFICE TEL No. (01483) 930520
WEBSITE WWW.PDASLTD.CO.UK

PROJECT	NETHERHAMPTON ROAD NORTH SALISBURY
TITLE	FOUL WATER PUMP STATION PLAN VIEW
CLIENT	DREW SMITH HOMES LTD
SCALE AT A1	1:20
SCALE AT A3	1:40
SITE ID.	2907
APR'l	D.C.
DATE	14-02-2023
JOB NO.	18754
CHK'd	D.C.
DATE	14-02-2023
DRAWING NUMBER	2907-18754-002
DR'n	A.T.
DATE	14-02-2023

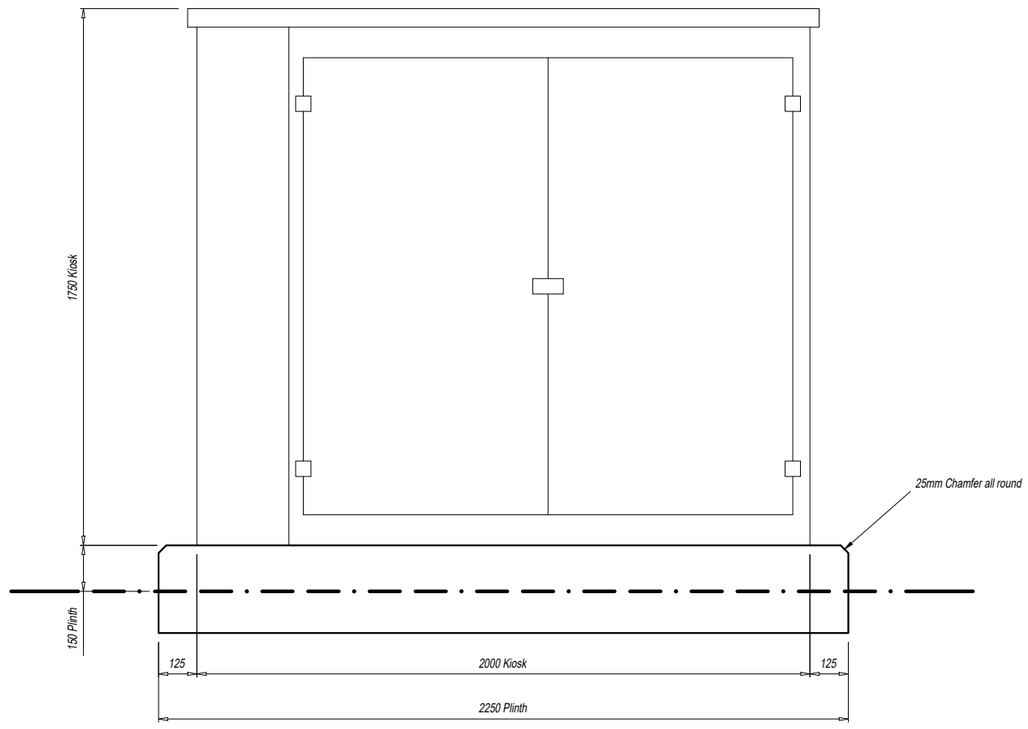
DRAWING PROVIDED COURTESY OF PDAS LTD. UPON HANDOVER ALL DOCUMENT CONFIDENTIALITY AT CLIENTS DISCRETION

MCC KIOSK PLINTH DETAIL

(KIOSK 1750 High)



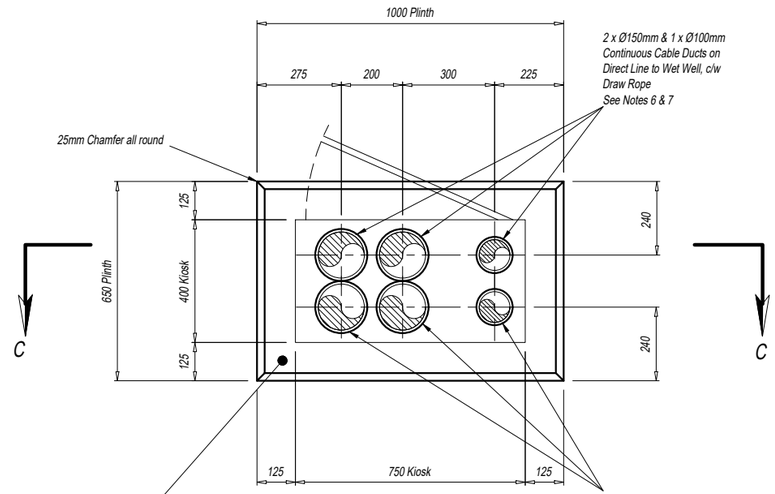
Tolerance on Duct Centre Positions ±10mm



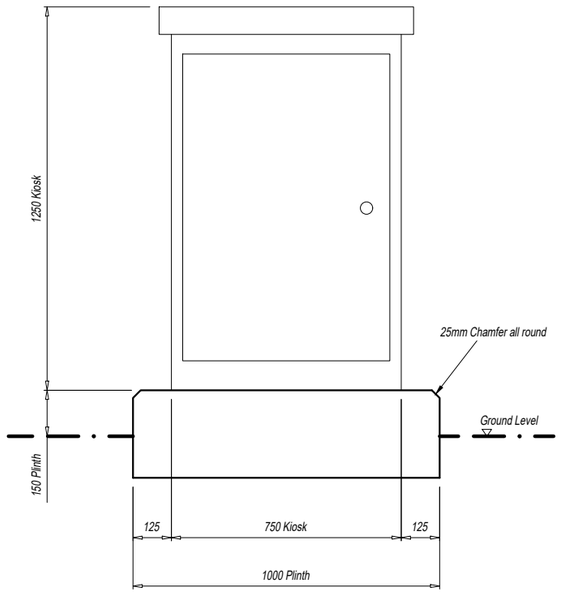
VIEW ON SECTION D - D

JUNCTION BOX KIOSK PLINTH DETAIL

Kiosk Dimensions
1250mm High x 750mm Wide x 400mm Deep



Tolerance on Duct Centre Positions ±10mm



VIEW ON SECTION C - C

NOTES

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REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l
A	18/09/23	Dosing Unit Duct added, Duct positions rearranged.	E.T.	"	D.C.

FOR APPROVAL

PDAS TOTAL WATER EXPERTISE
DESIGN INSTALL PROACTIVE

BUILDING 4.6, HITECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG
OFFICE TEL No. (01483) 930520
WEBSITE WWW.PDASLTD.CO.UK

PROJECT	NETHERHAMPTON ROAD NORTH SALISBURY
TITLE	FOUL WATER PUMP STATION KIOSK AND PLINTH DETAIL
CLIENT	DREW SMITH HOMES LTD
SCALE AT A1	1:10
SCALE AT A3	1:20
SITE ID.	2907
APR'l	D.C. DATE 14-02-2023
JOB NO.	18754
CHK'd	D.C. DATE 14-02-2023
DRAWING NUMBER	2907-18754-003
DR'n	A.T. DATE 14-02-2023

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S110

S109

S108

S47

F9

F8

F10

F2

Rising Main
125mm O.D. PE100 SDR11 (101.3mm ID.)
Marked With Non-degradable Marker Tape
Containing A Trace Wire Terminating With
1m Of Wire Coiled Inside Valve Chamber.
All By Civil Contractors.

Ø100mm To Continuous Cable Duct On Direct Line Compound Lamp Post, C/w Draw Rope See Notes 6 & 7

2 off Ø150mm & 1 off Ø100mm Cable Ducts To Control Kiosk Via Junction Box Kiosk, Complete With Draw Rope. See Notes 6 & 7

Ø100mm Cable Duct To Control Kiosk , Complete With Draw Rope. See Notes 6 & 7

Earth Electrode and Inspection Cover to be Positioned as Close to Kiosk as Possible.

Floodlight Position to be Agreed with Independant Water Networks Limited

Air Vent and Duct to Architects Specifications

Ø150mm Incoming Sewer From F8

Pedestrian Loading Brushed Concrete Compound Surface To Independent Water Networks Requirements

Compound Boundary To Independent Water Networks Requirements

Ø150mm Incoming Sewer From F2

Junction Box Kiosk & Plinth See Detail

Trapped road gully positioned to suit site By Others

Bollards To Independent Water Networks Requirements

1.8m High Steel Palisade Gates opening inwards To Independent Water Networks Requirements

MCC Kiosk & Plinth See Detail

Incoming 3 Phase and Neutral Electricity Cable In Duct To Suppliers Specification See Notes 6 & 7

Temporary Gate to be removed prior to adoption

Hardstanding to be 150mm below compound surface

Telecom Duct to be capped off at boundary for future use if required

Temporary Chemical Dosing Unit & Plinth See Detail. To be removed prior to adoption

Temporary Fencing to be removed prior to adoption

DOSING UNIT WILL ONLY BE INSTALLED IF ISSUES WITH SEPTICITY OCCUR DURING EARLY STAGES OF DEVELOPMENT

13000
1190
1800
3690
4120
2200
980
2400
2870
2250
1000
9500
2676
3800 Clear Opening
4000 Hardstanding
500
1000
2980
1980
2100
4990
3100
4910
10000 Hardstanding

FENCE
POWER
CONTROL
DOSING
BT
ELEC

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REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l
D	18/09/23	Dosing Unit added, Duct positions rearranged.	E.T.	-	D.C.
C	31/07/23	Air Valve removed from VC. VC Vent removed. VC size adjusted.	L.R.	E.T	D.C.
B	28/06/23	Updated with the latest site plan.	L.R.	E.T.	D.C.
A	05/05/23	Updated with the latest site plan.	L.R.	D.C.	D.C.

FOR APPROVAL

PDAS
TOTAL WATER EXPERTISE
DESIGN INSTALL PROACTIVE
BUILDING 4.6, HITECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG
OFFICE TEL No. (01483) 930520
WEBSITE WWW.PDASLTD.CO.UK

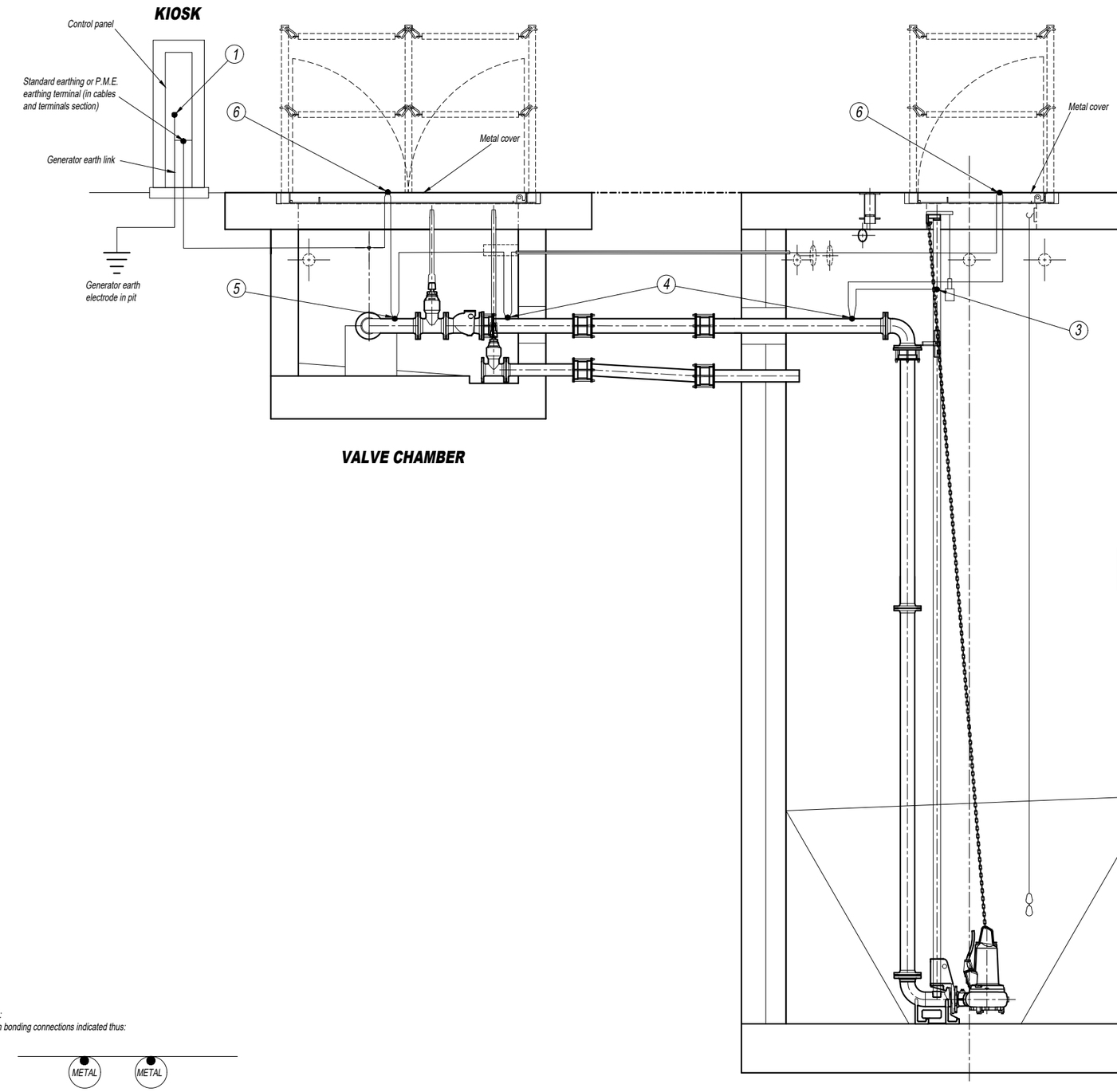
PROJECT: NETHERHAMPTON ROAD NORTH SALISBURY

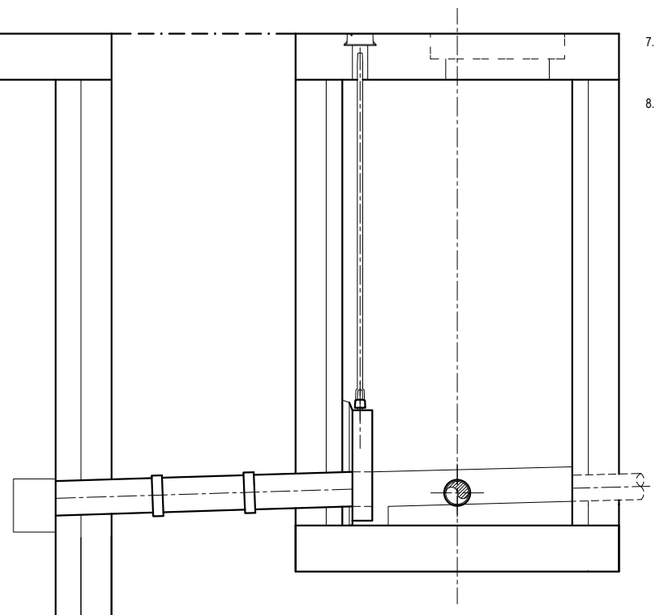
TITLE: FOUL WATER PUMP STATION SITE PLAN

CLIENT: DREW SMITH HOMES LTD

SCALE AT A1	1:50	SCALE AT A3	1:100
SITE ID.	2907	APR'l D.C.	DATE 14-02-2023
JOB NO.	18754	CHK'd D.C.	DATE 14-02-2023
DRAWING NUMBER	2907-18754-004	DR'n A.T.	DATE 14-02-2023

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Note:
Earth bonding connections indicated thus:

The following actual equipment must be bonded to the earthing terminal:

1. *All case earth connections, ect, in the kiosk/building;*
2. *Metal ladder (Not applicable)*
3. *Pump Guiderails*
4. *Pump delivery pipes*
5. *Metal rising main*
6. *Metal cover support frames.*

The pump casing is connected to the protective multiple earth (P.M.E.) earthing terminal via the flexible cable between the pump and the kiosk/building.

REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l
B	31/07/23	Air Valve removed from VC. VC Vent removed. VC size adjusted.	L.R.	E.T	D.C.
A	28/06/23	Well thicknesses, IM, WW depth and operating levels adjusted.	L.R.	E.T	D.C.

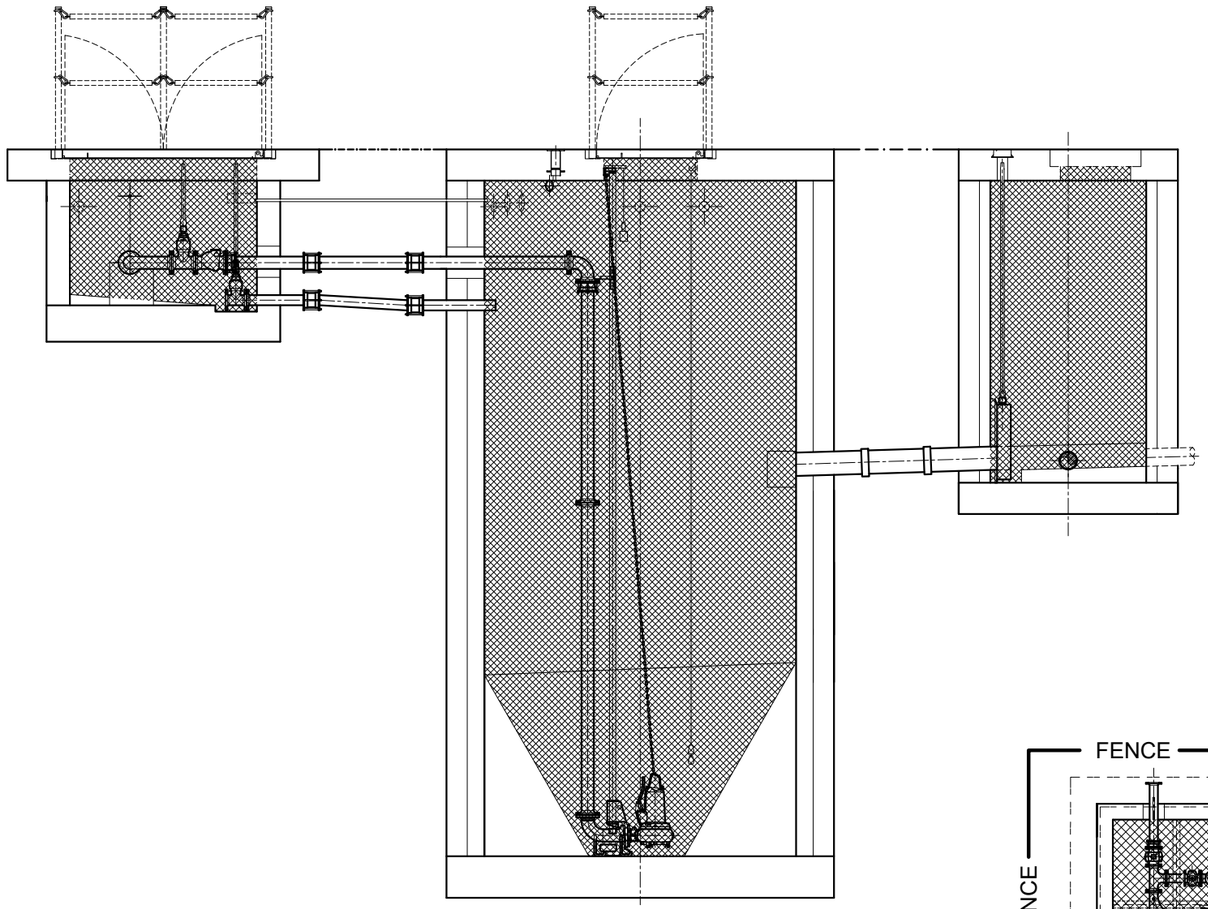
FOR APPROVAL

PDAS
TOTAL WATER EXPERTISE
DESIGN INSTALL PROACTIVE
BUILDING 4.6, HITECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG
OFFICE TEL No. (01483) 930520
WEBSITE WWW.PDASLTD.CO.UK

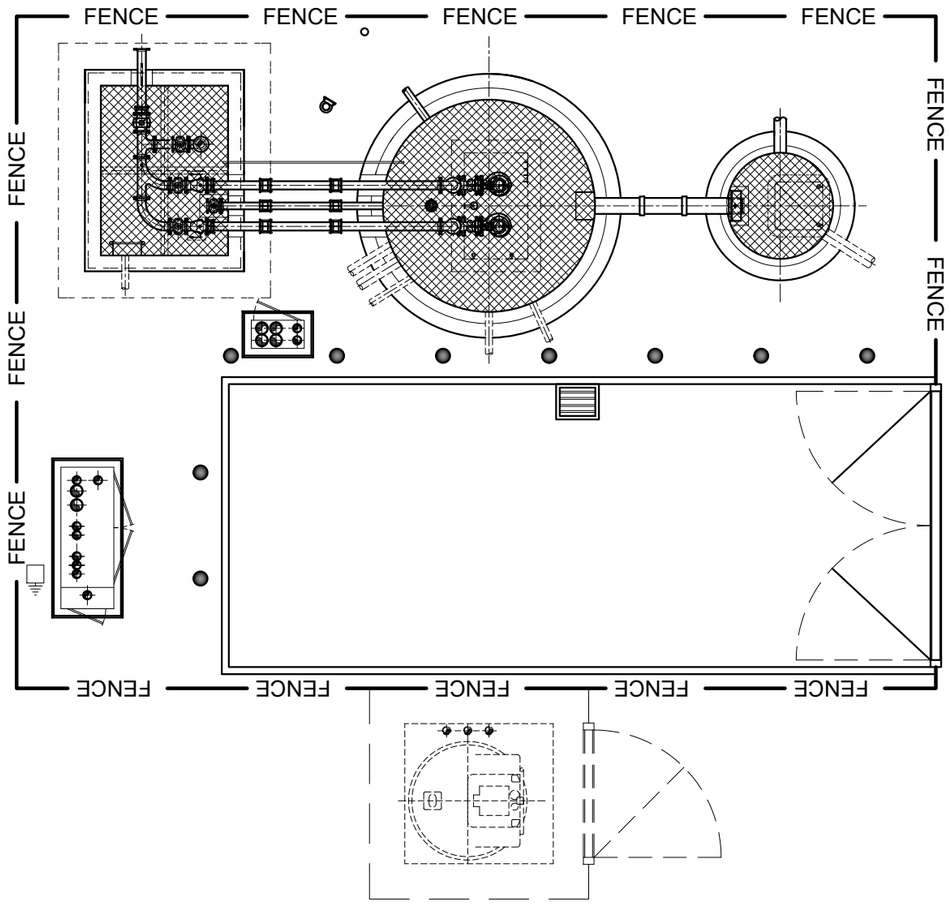
PROJECT	NETHERHAMPTON ROAD NORTH SALISBURY
TITLE	FOUL WATER PUMP STATION EARTHING ARRANGEMENT
CLIENT	DREW SMITH HOMES LTD

SCALE AT A1	1:20	SCALE AT A3	1:40		
SITE ID.	2907	APR'l	D.C.	DATE	14-02-2023
JOB NO.	18754	CHK'd	D.C.	DATE	14-02-2023
DRAWING NUMBER	2907-18754-005	DR'n	A.T.	DATE	14-02-2023

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NOT TO SCALE



NOTES

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Cable Ducts in accordance with DCG F.3.4.4 and BS EN 1401-01 & BS 4660 sealed with rise sealant system Gas + waterproof sealant system

LEGEND

- *Non Hazardous Zone*
- *Zone 2*
- *Zone 1*

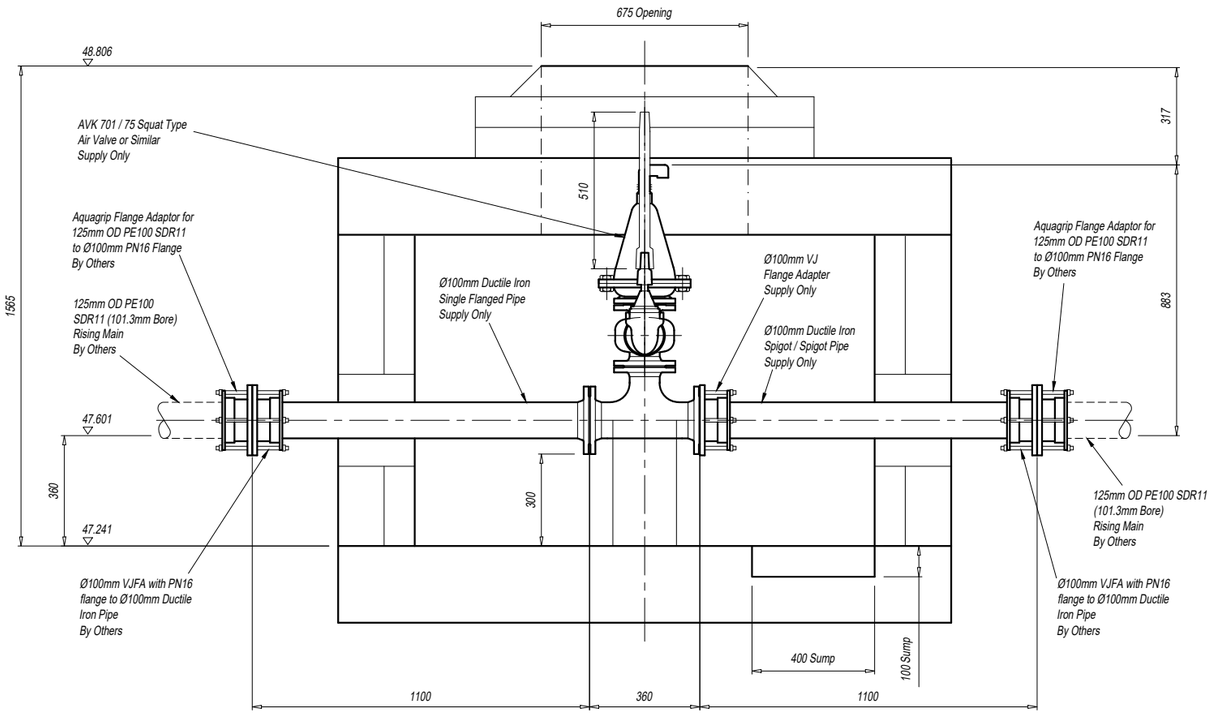
REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l
C	18/09/23	Dosing unit added.	E.T.	-	D.C.
B	31/07/23	Air Valve removed from VC. VC Vent removed. VC size adjusted.	L.R.	E.T	D.C.
A	28/06/23	Well thicknesses, IM, WW depth and operating levels adjusted.	L.R.	E.T	D.C.

FOR APPROVAL

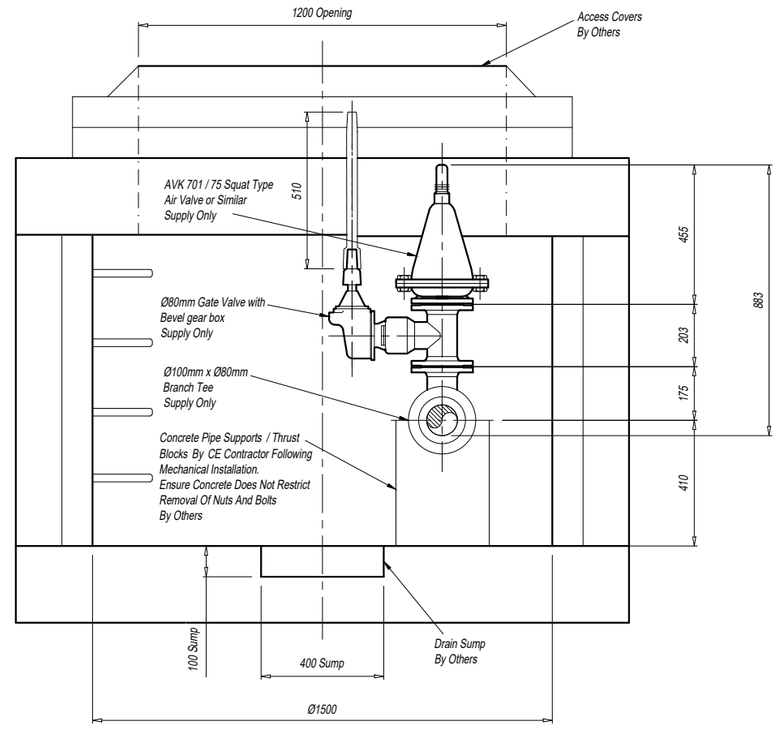
PDAS
TOTAL WATER EXPERTISE
DESIGN INSTALL PROACTIVE
BUILDING 4.6, HTECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG
OFFICE TEL No. (01483) 930520
WEBSITE WWW.PDASLTD.CO.UK

PROJECT	NETHERHAMPTON ROAD NORTH SALISBURY
TITLE	FOUL WATER PUMP STATION HAZARDOUS ZONING
CLIENT	DREW SMITH HOMES LTD
SCALE AT A1	1:25
SCALE AT A3	1:50
SITE ID.	2907
APR'l	D.C.
DATE	14-02-2023
JOB NO.	18754
CHK'd	D.C.
DATE	14-02-2023
DRAWING NUMBER	2907-18754-006
DR'n	A.T.
DATE	14-02-2023

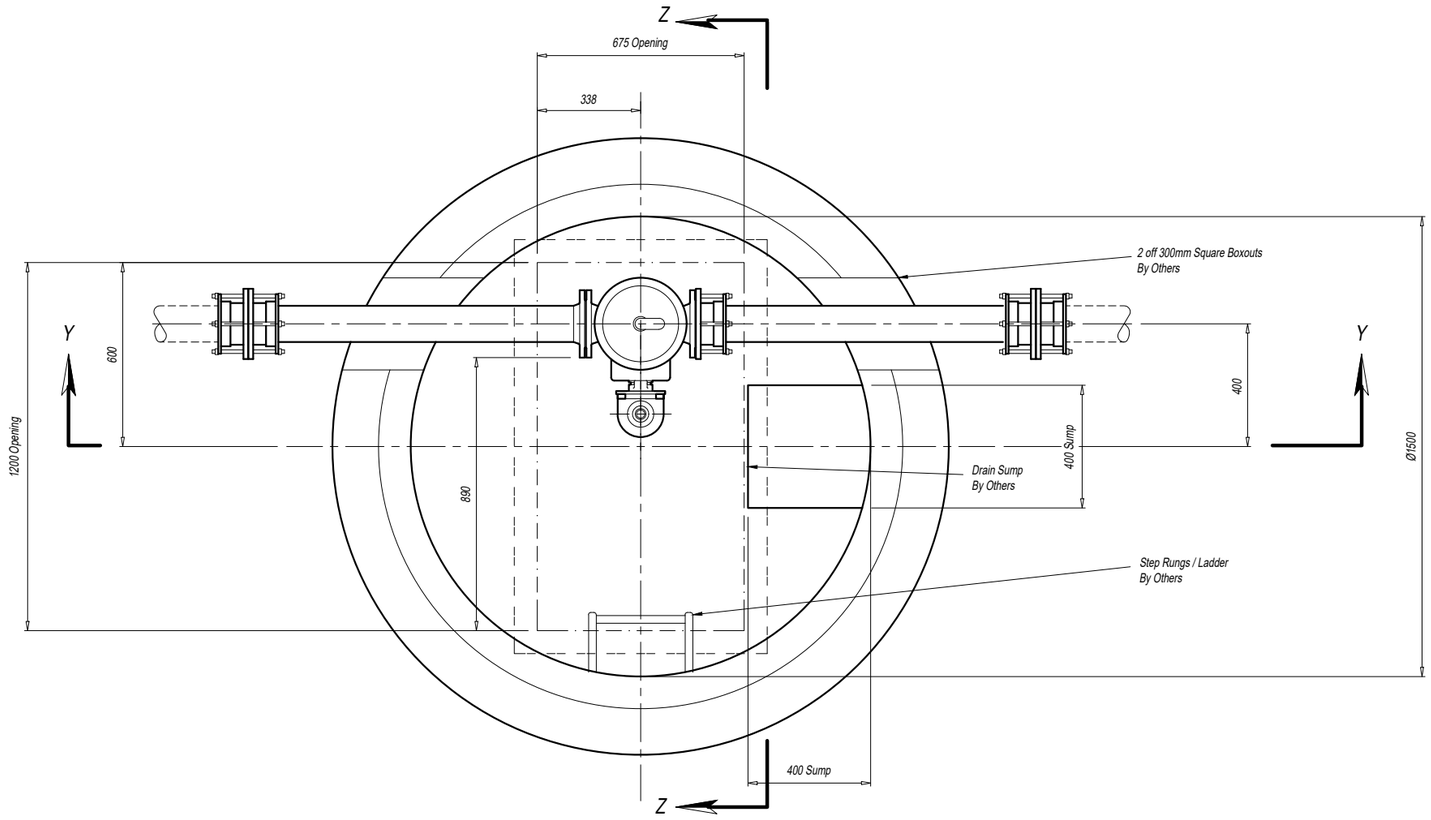
DRAWING PROVIDED COURTESY OF PDAS LTD. UPON HANDOVER ALL DOCUMENT CONFIDENTIALITY AT CLIENTS DISCRETION



VIEW ON SECTION Y - Y



VIEW ON ARROW Z - Z



All Cut Pipe Joints As Close To Structure As Possible Consistent With Making The Joint.

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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.
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8. LEVEL CONTROL POSITIONS ARE SHOWN DIAGRAMMATICALLY ONLY. THEY WILL BE POSITIONED AWAY FROM OBSTRUCTIONS AND BE READILY ADJUSTABLE AFTER INSTALLATION.

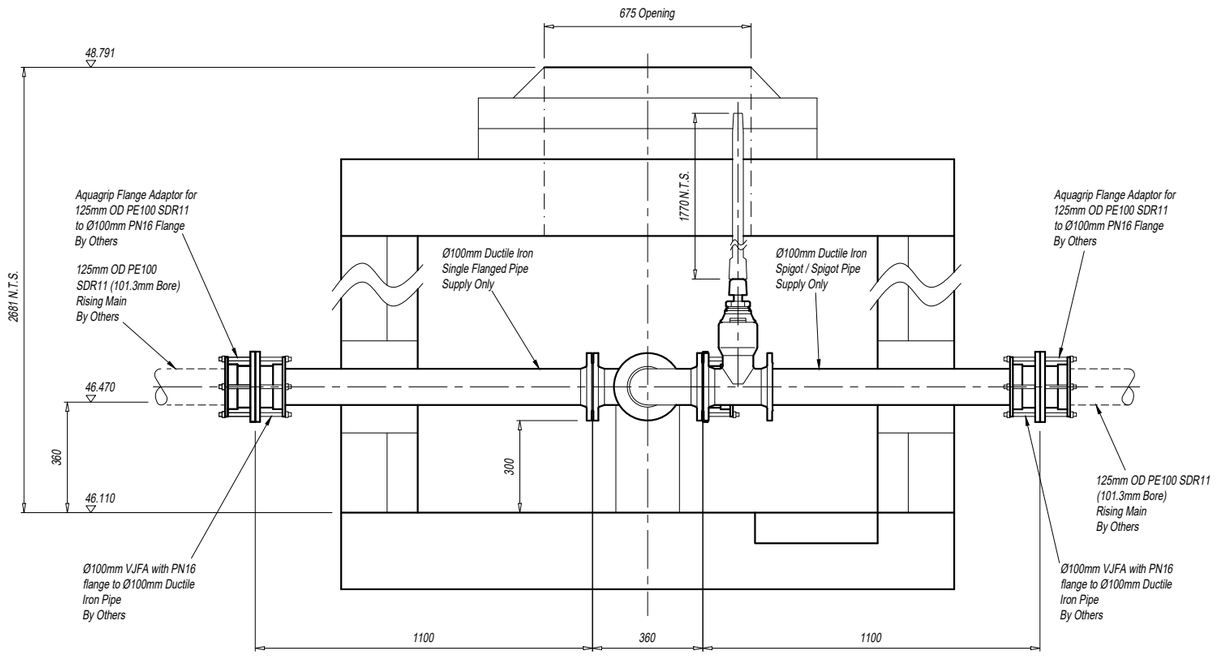
REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l
B	12/09/23	Levels and Chainage updated. Depth adjusted.	L.R.	-	D.C.
A	14/08/23	Levels and Chainage updated. Depth adjusted.	L.R.	-	D.C.

FOR APPROVAL

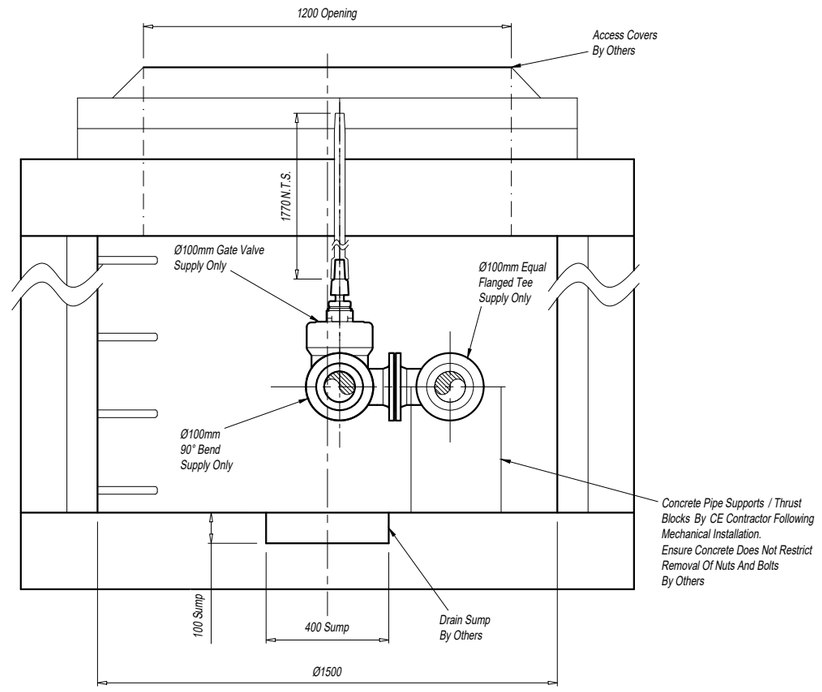
PDAS
TOTAL WATER EXPERTISE
DESIGN INSTALL PROACTIVE
BUILDING 4.6, HTECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG
OFFICE TEL No. (01483) 930520
WEBSITE WWW.PDASLTD.CO.UK

PROJECT	NETHERHAMPTON ROAD NORTH SALISBURY		
TITLE	FOUL WATER PUMP STATION AIR VALVE CHAMBER AT CHAINAGE 35.587M		
CLIENT	DREW SMITH HOMES LTD		
SCALE AT A1	1:10	SCALE AT A3	1:20
SITE ID.	2907	APR'l D.C.	DATE 31-07-2023
JOB NO.	18754	CHK'd E.T.	DATE 31-07-2023
DRAWING NUMBER	2907-18754-007	DR'n L.R.	DATE 31-07-2023

DRAWING PROVIDED COURTESY OF PDAS LTD. UPON HANDOVER ALL DOCUMENT CONFIDENTIALITY AT CLIENTS DISCRETION



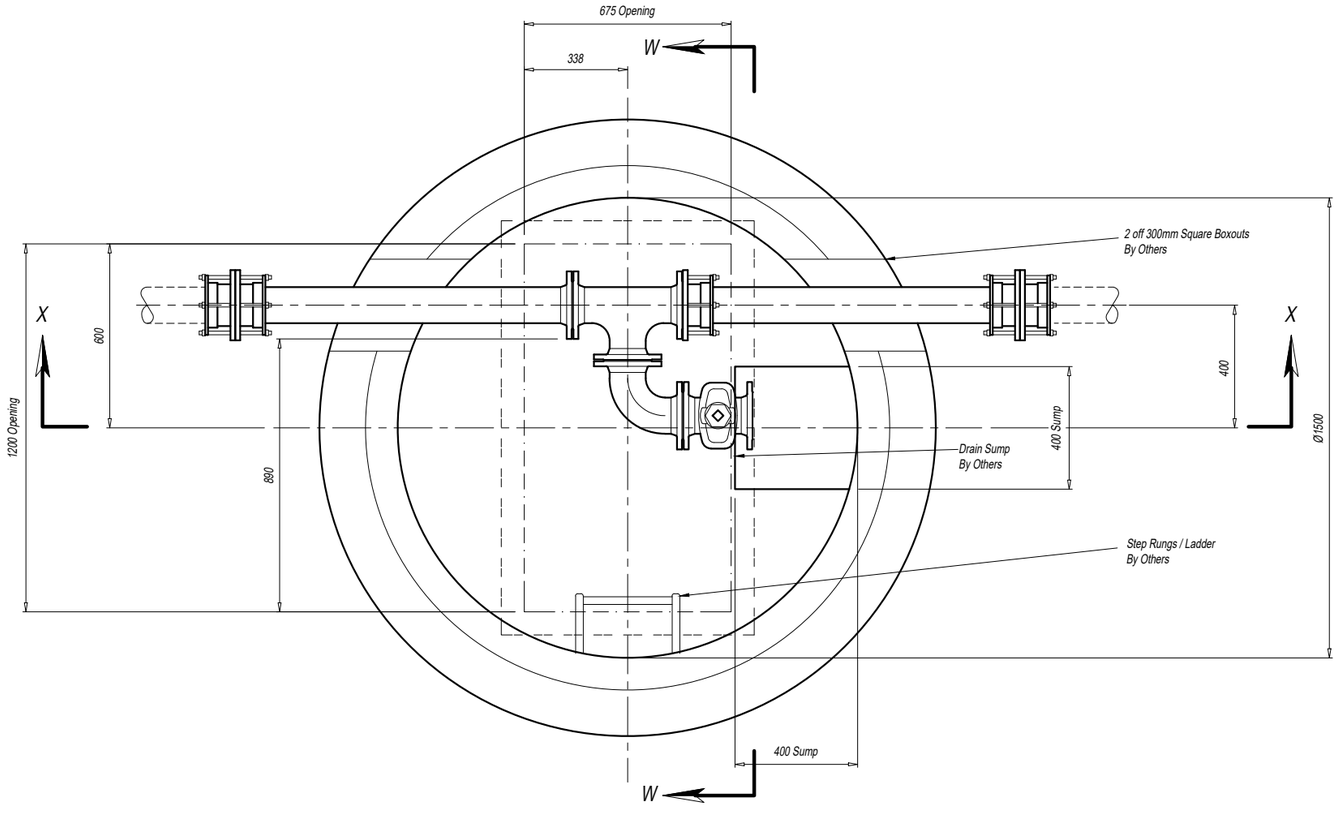
VIEW ON SECTION X - X



VIEW ON ARROW W - W

NOTES

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All Cut Pipe Joints As Close To Structure As Possible Consistent With Making The Joint.

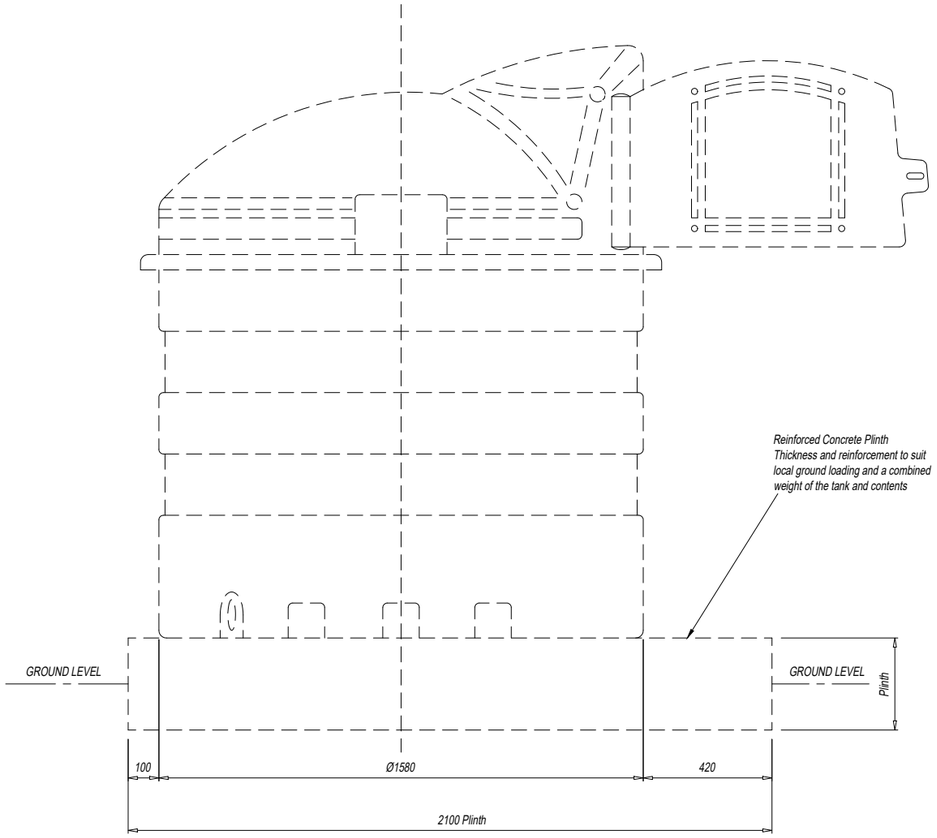
REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l
B	12/09/23	Levels and Chainage updated. Depth adjusted.	L.R.	-	D.C.
A	14/08/23	Levels and Chainage updated. Depth adjusted.	L.R.	-	D.C.

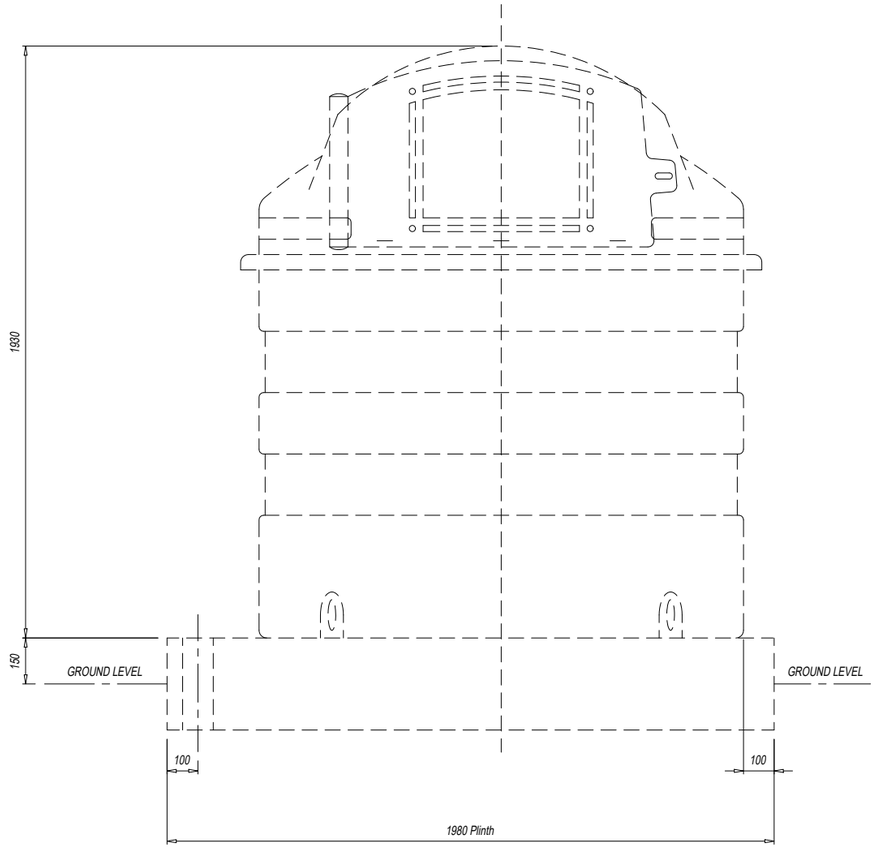
FOR APPROVAL

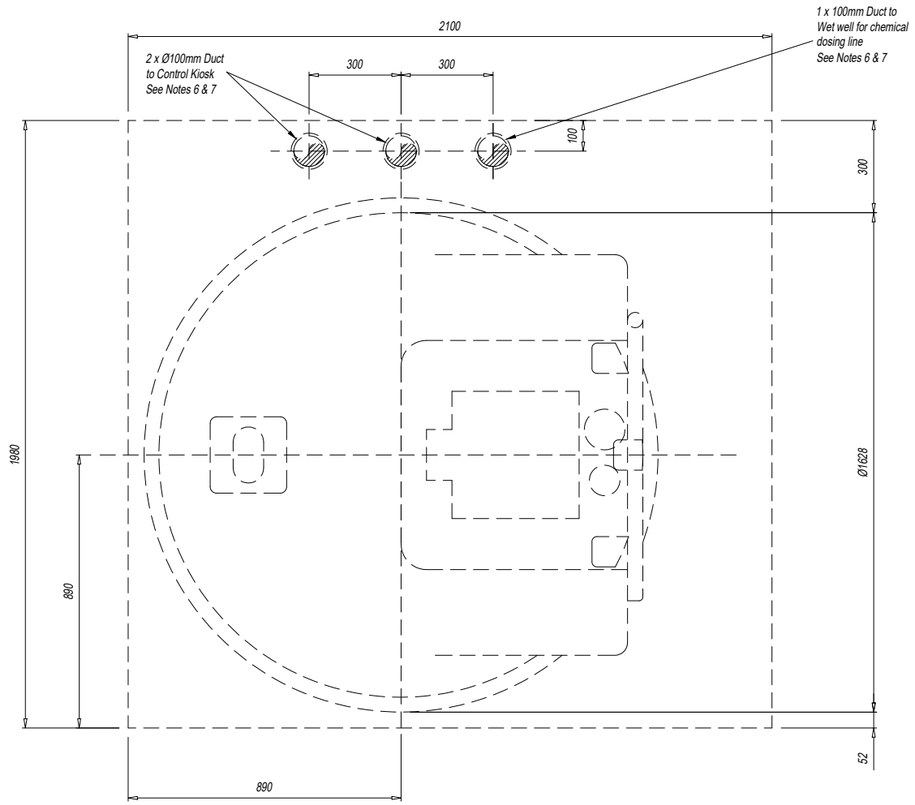
PDAS
TOTAL WATER EXPERTISE
DESIGN INSTALL PROACTIVE
BUILDING 4.6, HTECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG
OFFICE TEL No. (01483) 930520
WEBSITE WWW.PDASLTD.CO.UK

PROJECT	NETHERHAMPTON ROAD NORTH SALISBURY
TITLE	FOUL WATER PUMP STATION WASHOUT CHAMBER AT CHAINAGE 153.627M
CLIENT	DREW SMITH HOMES LTD
SCALE AT A1	1:10
SCALE AT A3	1:20
SITE ID.	2907
APR'l	D.C.
DATE	31-07-2023
JOB NO.	18754
CHK'd	E.T.
DATE	31-07-2023
DRAWING NUMBER	2907-18754-008
DR'n	L.R.
DATE	31-07-2023

DRAWING PROVIDED COURTESY OF PDAS LTD. UPON HANDOVER ALL DOCUMENT CONFIDENTIALITY AT CLIENTS DISCRETION







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Temporary Round 1400 Litre Septicity Control Dosing Unit to be Installed in the Initial Phases of Development and once Sufficient Flows are Provided, Unit to be Removed.

REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l

FOR APPROVAL

PDAS
DESIGN INSTALL PROACTIVE
TOTAL WATER EXPERTISE
BUILDING 4.6, HITECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG
OFFICE TEL No. (01483) 930520
WEBSITE WWW.PDASLTD.CO.UK

PROJECT	NETHERHAMPTON ROAD NORTH SALISBURY				
TITLE	FOUL WATER PUMP STATION TEMPORARY DOSING PLANT				
CLIENT	DREW SMITH HOMES LTD				
SCALE AT A1	1:10	SCALE AT A3	1:20		
SITE ID.	2907	APR'l	D.C.	DATE	21-09-2023
JOB NO.	18754	CHK'd	D.C.	DATE	21-09-2023
DRAWING NUMBER	2907-18754-009	DR'n	E.T.	DATE	21-09-2023

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