

- NOTES**
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  - REINFORCING BARS ARE TO BE A MINIMUM OF 75MM BELOW THE SURFACE. ANY STRUCTURAL DETAILING / CIVIL WORKS SHOWN ON THIS DRAWING ARE ILLUSTRATIVE ONLY UNLESS OTHERWISE STATED AND SHOULD NOT BE USED FOR CONSTRUCTION.
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STATION INFORMATION		
PUMP TYPE	SULZER	XFP 100E CB1.5 PE60/4
IMPELLER		CONTRABLOCK / 205mm
MOTOR RATING		6.0 kW
FULL LOAD CURRENT		13.6 A FLC
ZONE RATING		EXP
DUTY FLOW		6.1 L/Sec
HEAD GENERATED		11.24m
LEVEL CONTROLS		PULSAR ZENITH ULTRASONIC LEVEL 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
RISING MAIN	125mm OD PE100 SDR11 (101.3mm BORE)
RISING MAIN COUPLER	BY DEVELOPER / CONTRACTOR

B	30/05/24	updated in line with MJA Structural Design Drawings.	A.T.	J.B.	J.B.
A	10/05/24	CL lowered, AV removed, depth decreased in line with latest site data. Reduced IL and depth of Inlet Manhole	E.T.	-	J.B.
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 **NETHERHALL GARDENS, CAMBRIDGE**

TITLE **FOUL WATER PUMP STATION ELEVATION VIEW**

CLIENT **CALA HOMES**

SCALE AT A1 **1:25** SCALE AT A3 **1:50**

QUOTE NUMBER **3854** APR'l **J.B.** DATE **30-01-2024**

PROJECT REF. **23037** CHK'd **I.V.** DATE **30-01-2024**

DRAWING NUMBER **3854-23037-001** DR'n **L.R.** DATE **30-01-2024**

To be read in conjunction with MJA Consulting Structural Design

OPERATING LEVELS	
MAXIMUM STORAGE LEVEL	15.395
LOWEST INLET	14.216
HIGH LEVEL ALARM	13.116
STANDBY PUMP START	13.016
DUTY PUMP START	12.866
PUMP STOP	11.905
WET WELL BASE	11.595

**LEGEND**

PDAS Supply Only  
Civils to Fit

All By Civils

PDAS Supply and Fit

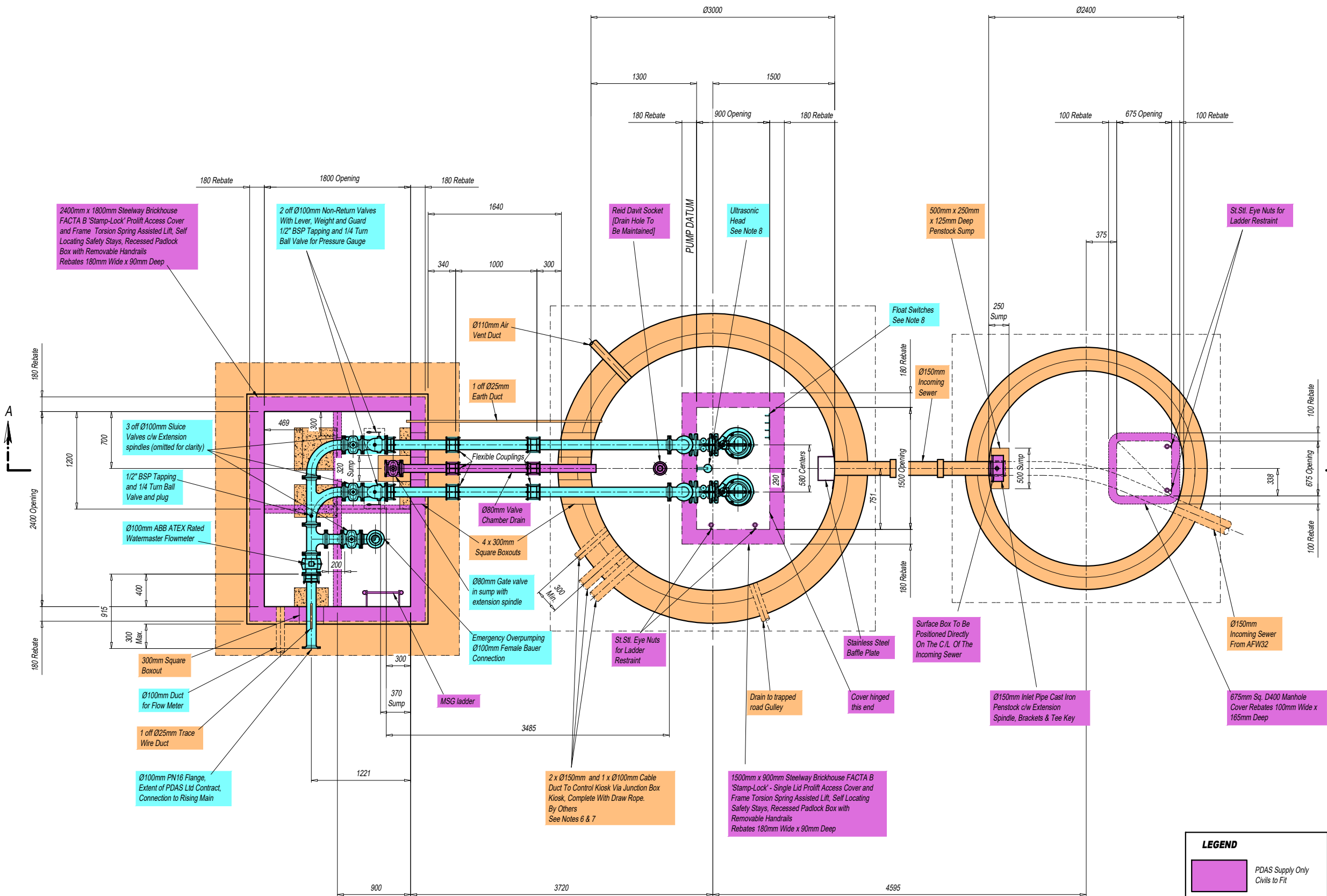
VIEW ON SECTION A - A

VIEW ON OVERPUMPING

NOTES

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To be read in conjunction  
with MJA Consulting  
Structural Design



LEGEND

	PDAS Supply Only Civils to Fit
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	PDAS Supply and Fit

B	30/05/24	updated in line with MJA Structural Design Drawings.	A.T.	J.B.	J.B.
A	10/05/24	AV removed, VC decreased in size.	E.T.	-	J.B.
REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l

FOR APPROVAL

**PDAS**  
TOTAL WATER EXPERTISE

DESIGN  
INSTALL  
PROACTIVE

BUILDING 4 & 5, HITCH, FRIMLEY 4 BUSINESS  
PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG OFFICE TEL No.  
(01483) 930520 WEBSITE  
WWW.PDASLTD.CO.UK

PROJECT **NETHERHALL GARDENS,  
CAMBRIDGE**

TITLE **FOUL WATER PUMP STATION  
PLAN VIEW**

CLIENT **CALA HOMES**

SCALE AT A1 1:25 SCALE AT A3 1:50

QUOTE NUMBER 3854 APR'l J.B. DATE 30-01-2024

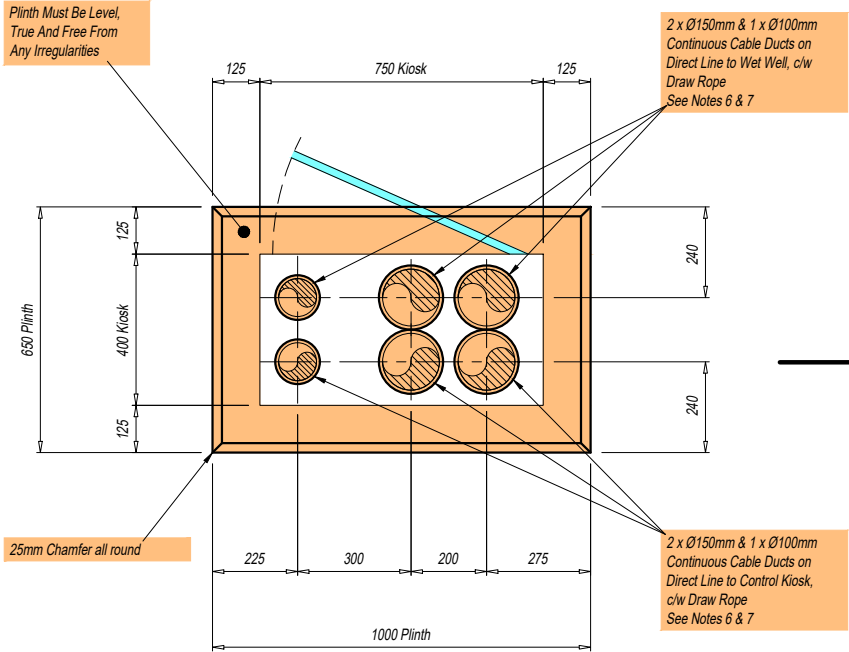
PROJECT REF. 23037 CHK'd I.V. DATE 30-01-2024

DRAWING NUMBER 3854-23037-002 DR'n L.R. DATE 30-01-2024

JUNCTION BOX KIOSK PLINTH DETAIL

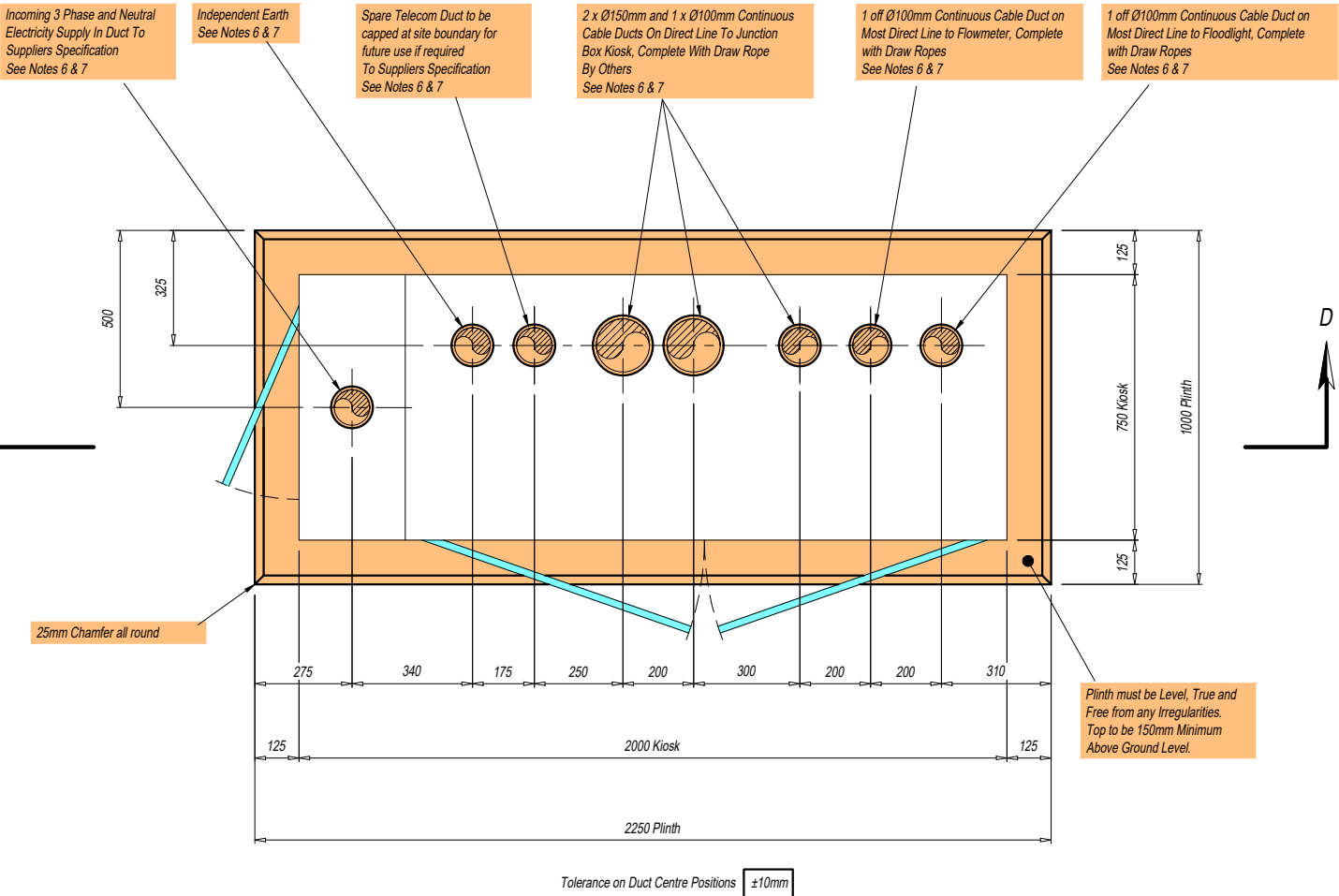
Kiosk Dimensions  
1250mm High x 750mm Wide x 400mm Deep

Tolerance on Duct Centre Positions ±10mm



MCC KIOSK PLINTH DETAIL

(KIOSK 1750 High)



NOTES

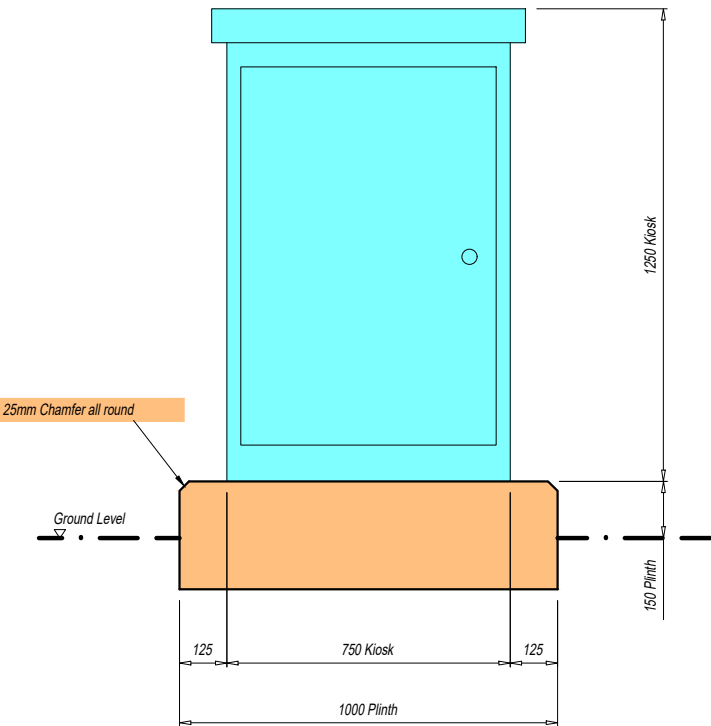
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To be read in conjunction  
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Structural Design

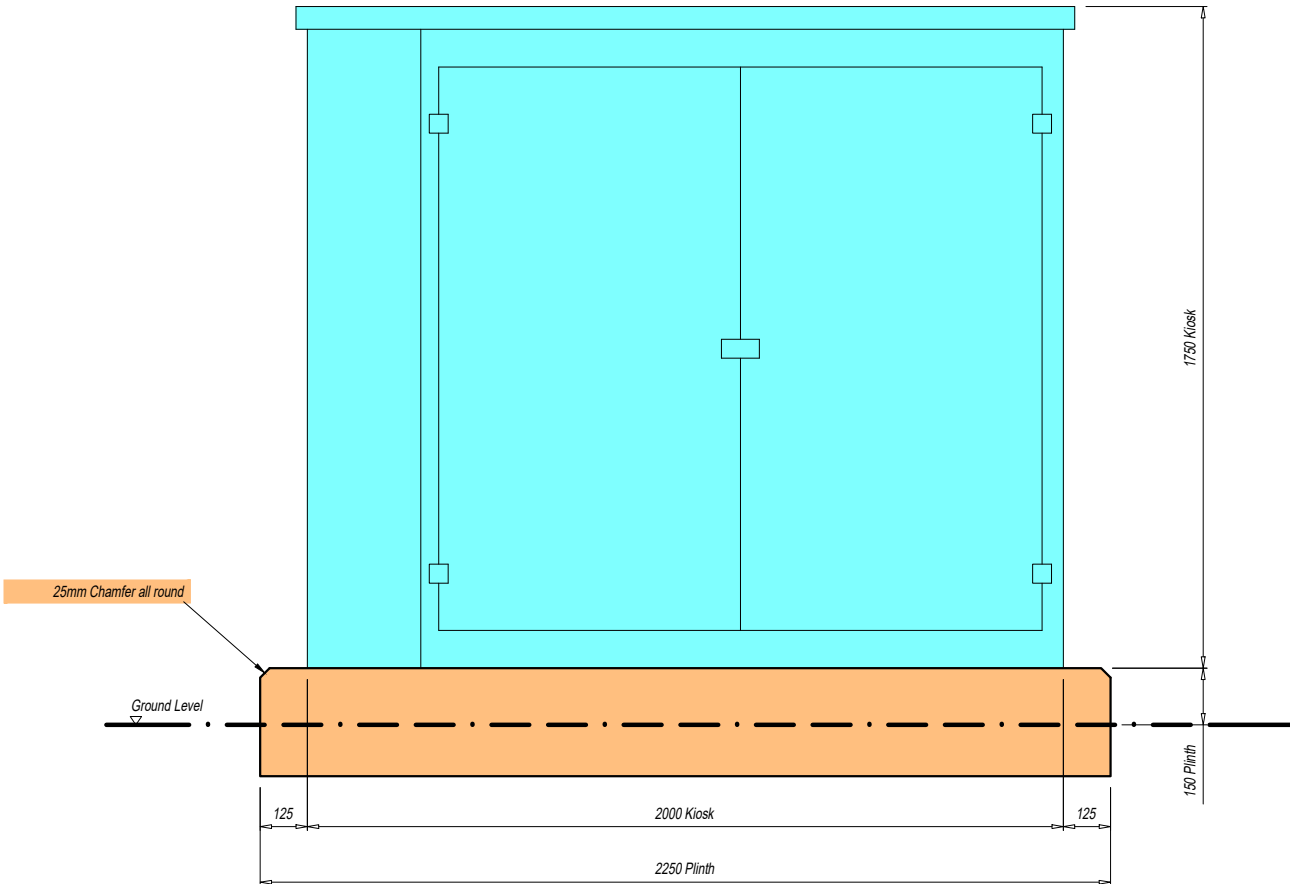
LEGEND


	PDAS Supply Only Civils to Fit
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	PDAS Supply and Fit

VIEW ON SECTION C - C



VIEW ON SECTION D - D



B	30/05/24	MJA Structural Design Note Added	A.T.	J.B.	J.B.
A	15/05/24	Kiosk Handling Corrected to shown LHS Orientation	A.T.	-	J.B.
REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l
FOR APPROVAL					
 <b>DESIGN INSTALL PROACTIVE</b>					
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 NETHERHALL GARDENS, CAMBRIDGE					
TITLE FOUL WATER PUMP STATION KIOSK AND PLINTH DETAIL					
CLIENT CALA HOMES					
SCALE AT A1 1:10			SCALE AT A3 1:20		
QUOTE NUMBER 3854		APR'l J.B.		DATE 30-01-2024	
PROJECT REF. 23037		CHK'd I.V.		DATE 30-01-2024	
DRAWING NUMBER 3854-23037-003		DR'n L.R.		DATE 30-01-2024	



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with MJA Consulting  
Structural Design

B	30/05/24	updated in line with MJA Structural Design Drawings.	A.T.	J.B.	J.B.
A	10/05/24	AV removed, VC decreased in size.	E.T.	-	J.B.
REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l

FOR APPROVAL



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

PROJECT NETHERHALL GARDENS, CAMBRIDGE

TITLE FOUL WATER PUMP STATION SITE PLAN

CLIENT CALA HOMES

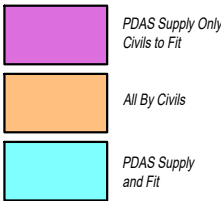
SCALE AT A1 1:50 SCALE AT A3 1:100

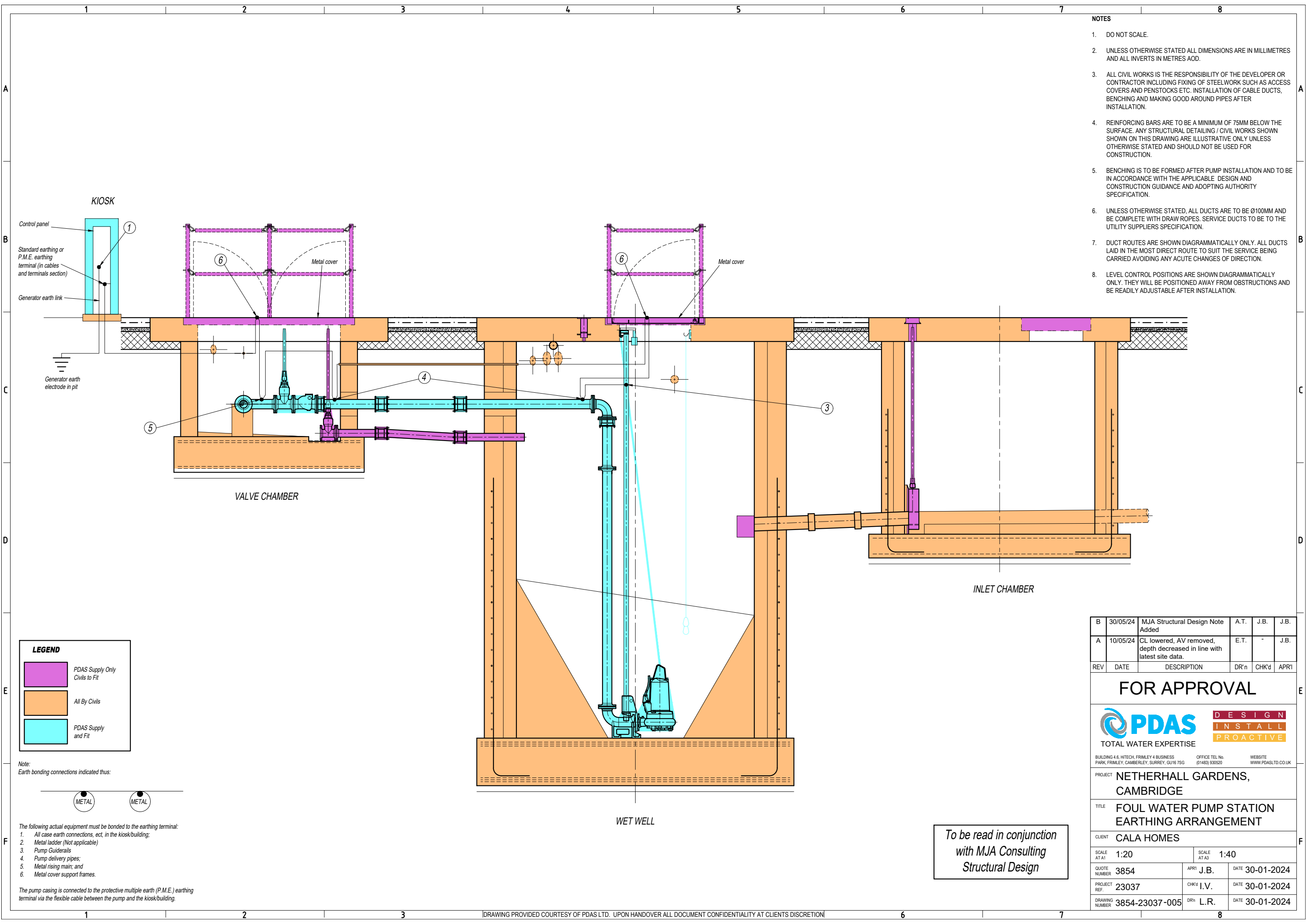
QUOTE NUMBER 3854 APR'l J.B. DATE 30-01-2024

PROJECT REF. 23037 CHK'd I.V. DATE 30-01-2024

DRAWING NUMBER 3854-23037-004 DR'n L.R. DATE 30-01-2024

LEGEND





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**LEGEND**

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	All By Civils
	PDAS Supply and Fit

Note:  
Earth bonding connections indicated thus:



- The following actual equipment must be bonded to the earthing terminal:
- All case earth connections, ect, in the kiosk/building;
  - Metal ladder (Not applicable)
  - Pump Guidetrails
  - Pump delivery pipes;
  - Metal rising main; and
  - 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.

B	30/05/24	MJA Structural Design Note Added	A.T.	J.B.	J.B.
A	10/05/24	CL lowered, AV removed, depth decreased in line with latest site data.	E.T.	-	J.B.
REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l

**FOR APPROVAL**

**PDAS**

TOTAL WATER EXPERTISE

DESIGN  
INSTALL  
PROACTIVE

BUILDING 4 & 5, HITECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG      OFFICE TEL No. (01483) 930520      WEBSITE WWW.PDASLTD.CO.UK

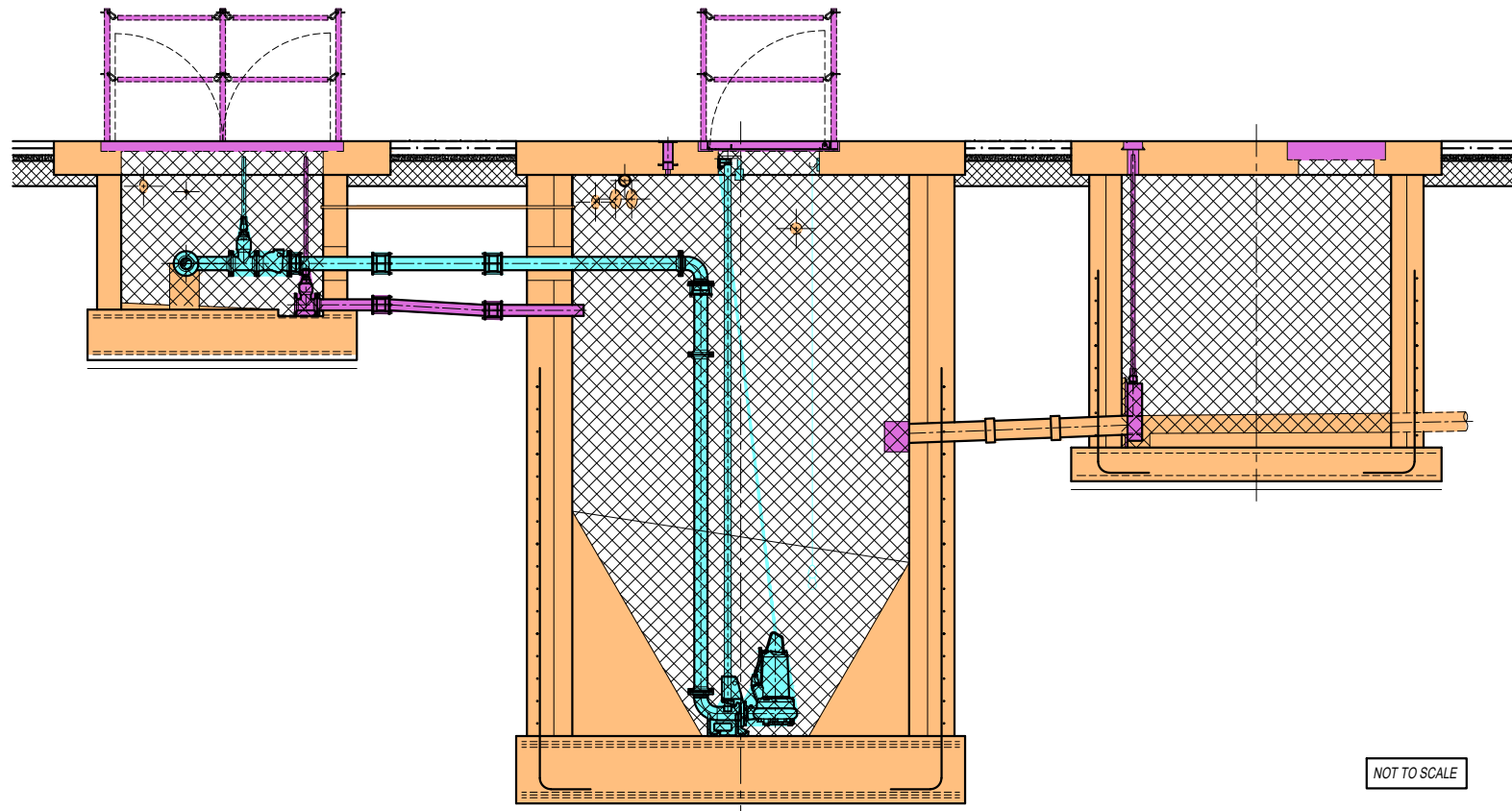
PROJECT **NETHERHALL GARDENS, CAMBRIDGE**

TITLE **FOUL WATER PUMP STATION EARTHING ARRANGEMENT**

CLIENT **CALA HOMES**

SCALE AT A1	1:20	SCALE AT A3	1:40
QUOTE NUMBER	3854	APR'l	J.B.
PROJECT REF.	23037	CHK'd	I.V.
DRAWING NUMBER	3854-23037-005	DR'n	L.R.
		DATE	30-01-2024

To be read in conjunction  
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**LEGEND**

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All By Civils

PDAS Supply  
and Fit

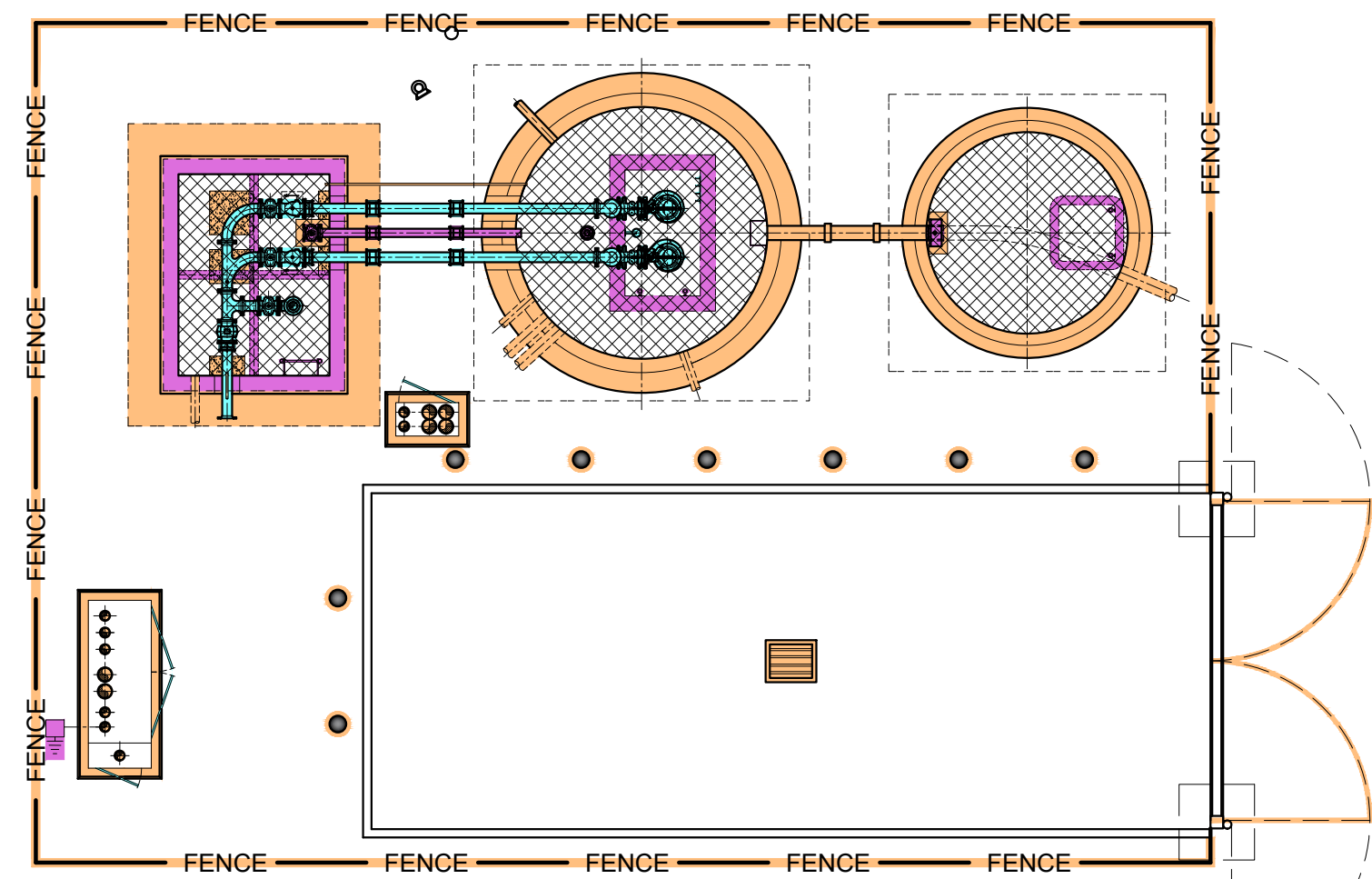
Cable Ducts in accordance with DCG F.3.4.4 and BS EN 1401-01 & BS 4660 sealed with rise sealant system Gas + waterproof sealant system

**LEGEND**

Non Hazardous Zone

Zone 2

Zone 1



B	30/05/24	updated in line with MJA Structural Design Drawings.	A.T.	J.B.	J.B.
A	10/05/24	AV removed, CL lowered, VC decreased in size & depth in line with latest site data.	E.T.	-	J.B.
REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l

**FOR APPROVAL**

**PDAS** DESIGN  
TOTAL WATER EXPERTISE 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 **NETHERHALL GARDENS, CAMBRIDGE**

TITLE **FOUL WATER PUMP STATION HAZARDOUS ZONING**

CLIENT **CALA HOMES**

SCALE AT A1	1:25	SCALE AT A3	1:50
QUOTE NUMBER	3854	APR'l	J.B.
PROJECT REF.	23037	CHK'd	I.V.
DRAWING NUMBER	3854-23037-006	DR'n	L.R.
		DATE	30-01-2024