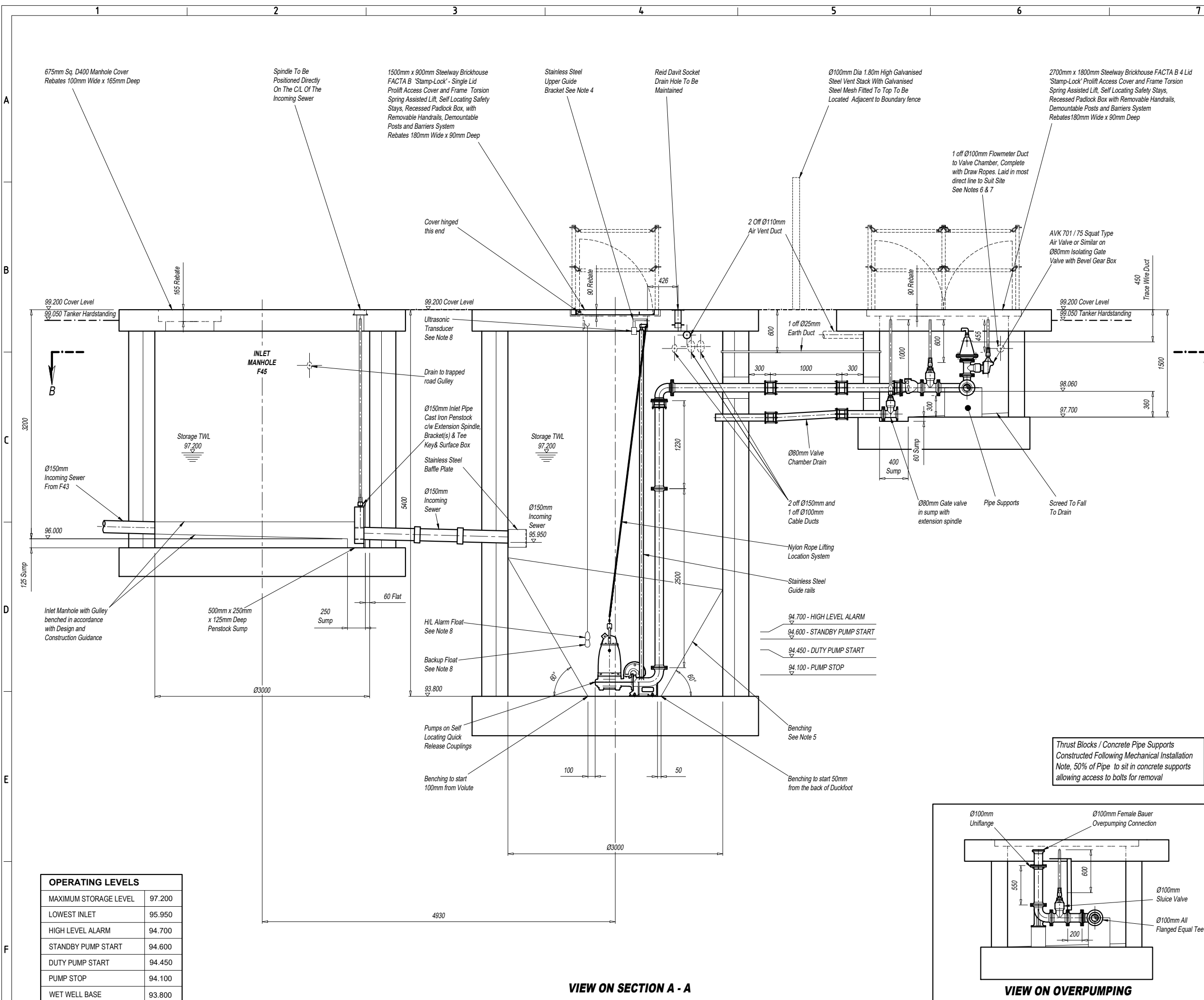




OPERATING LEVELS	
MAXIMUM STORAGE LEVEL	97.200
LOWEST INLET	95.950
HIGH LEVEL ALARM	94.700
STANDBY PUMP START	94.600
DUTY PUMP START	94.450
PUMP STOP	94.100
WET WELL BASE	93.800

VIEW ON SECTION A - A

- ## NOTES
1. DO NOT SCALE.
 2. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES AND ALL INVERTS IN METRES ADD.
 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 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 APPLICABLE DESIGN AND CONSTRUCTION GUIDANCE AND ADOPTING AUTHORITY SPECIFICATION.
 6. UNLESS OTHERWISE STATED, ALL DUCTS ARE TO BE $\varnothing 100\text{MM}$ 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.

<u>STATION INFORMATION</u>		
PUMP TYPE	XYLEM	NP 3153.091 HT
IMPELLER		N-type / 453
MOTOR RATING		13.5 kW
FULL LOAD CURRENT		27 A FLC
ZONE RATING		EXP
DUTY FLOW		6.1 L/Sec
HEAD GENERATED		23.24m
LEVEL CONTROLS		PULSAR ZENITH ULTRASONIC LEVEL C/W HIGH LEVEL ALARM AND BACK UP FLOAT SWITCHES
PIPE / VALVE SIZE		Ø100mm

<u>FINAL DISCHARGE</u>	
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

A	04/07/25	VC dimension adjusted and air valve added. Head generated updated.	K.T.	G.T.	I.V.
REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'd

FOR APPROVAL



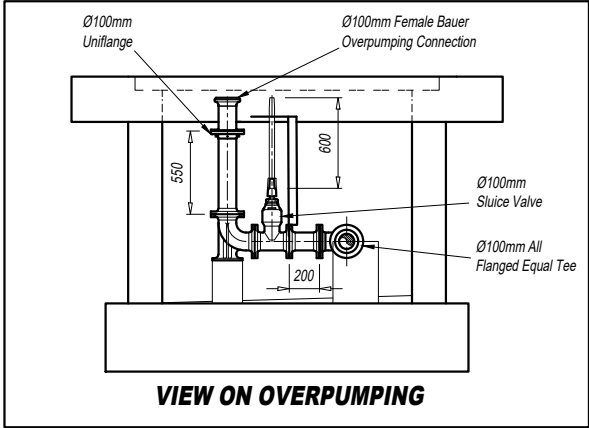
BUILDING 4.6, HITECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG	OFFICE TEL No. (01483) 930520	WEBSITE WWW.PDASLTD.CO.UK
--	----------------------------------	------------------------------

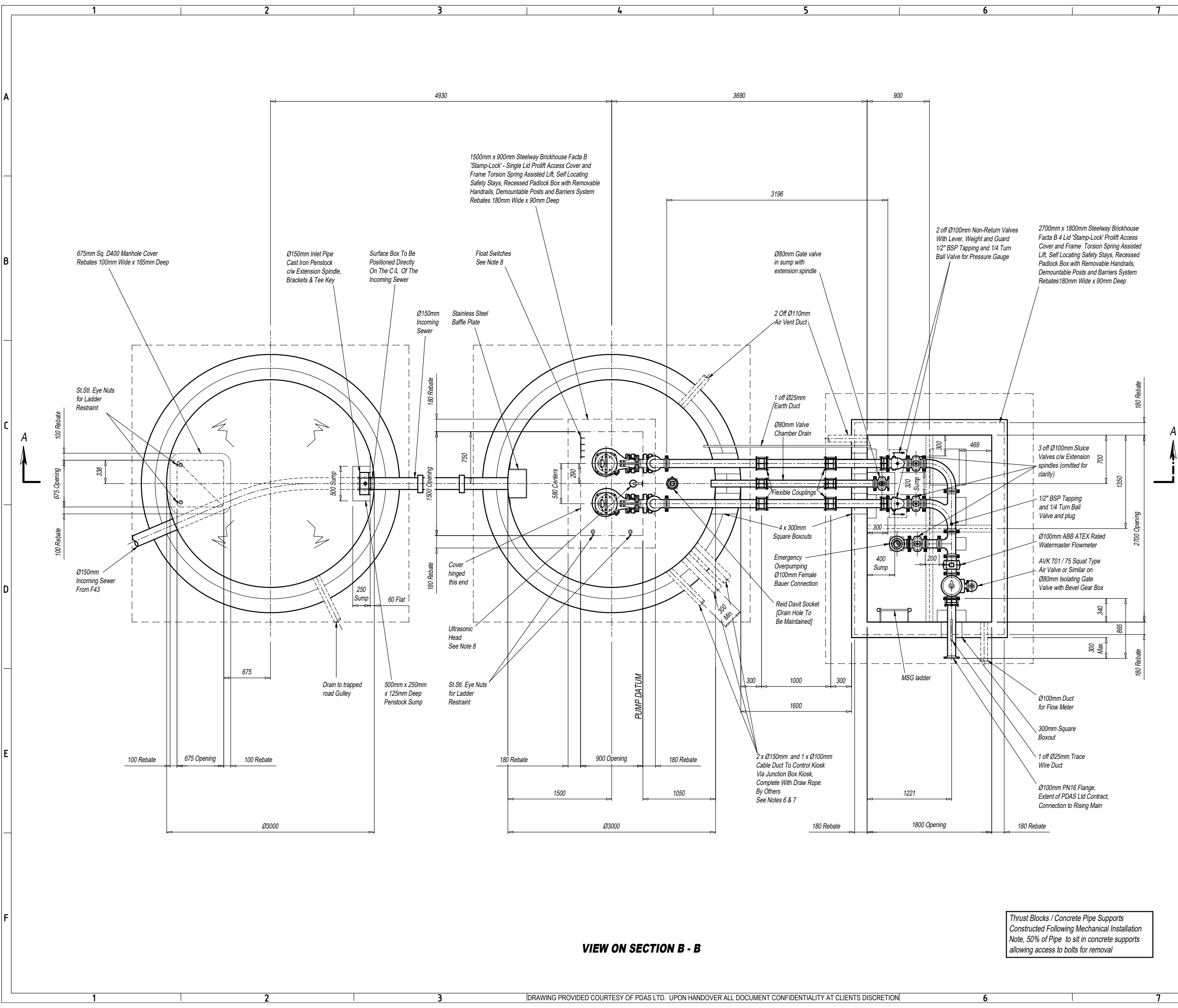
PROJECT HILL TOP, LEICESTER ROAD
EARL SHILTON

TITLE FOUL WATER PUMP STATION
ELEVATION VIEW

CLIENT VISTRY SOUTH EAST MIDLANDS

SCALE AT A1	1:25	SCALE AT A3	1:50
QUOTE NUMBER	4271	APR1 G.T.	DATE 08-01-2025
JOB NO.	28225	CHK'd I.V.	DATE 08-01-2025
DRAWING NUMBER	4271-28225-001	DR'n K.T.	DATE 08-01-2025





- NOTES**
- DO NOT SCALE.
 - UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES AND ALL INVERTS IN METRES AOD.
 - 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.
 - 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.
 - BENCHING IS TO BE FORMED AFTER PUMP INSTALLATION AND TO BE IN ACCORDANCE WITH THE APPLICABLE DESIGN AND CONSTRUCTION GUIDANCE AND ADOPTING AUTHORITY SPECIFICATION.
 - UNLESS OTHERWISE STATED, ALL DUCTS ARE TO BE Ø100MM AND BE COMPLETE WITH DRAW ROPES. SERVICE DUCTS TO BE TO THE UTILITY SUPPLIERS SPECIFICATION.
 - 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.
 - LEVEL CONTROL POSITIONS ARE SHOWN DIAGRAMMATICALLY ONLY. THEY WILL BE POSITIONED AWAY FROM OBSTRUCTIONS AND BE READILY ADJUSTABLE AFTER INSTALLATION.

VIEW ON SECTION B - B

Thrust Blocks / Concrete Pipe Supports
Constructed Following Mechanical Installation
Note, 50% of Pipe to sit in concrete supports
allowing access to bolts for removal

A	04/07/25	VC dimension adjusted and air valve added.	K.T.	G.T.	I.V.
REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l

FOR APPROVAL



DESIGN
INSTALL
PROACTIVE

TOTAL WATER EXPERTISE

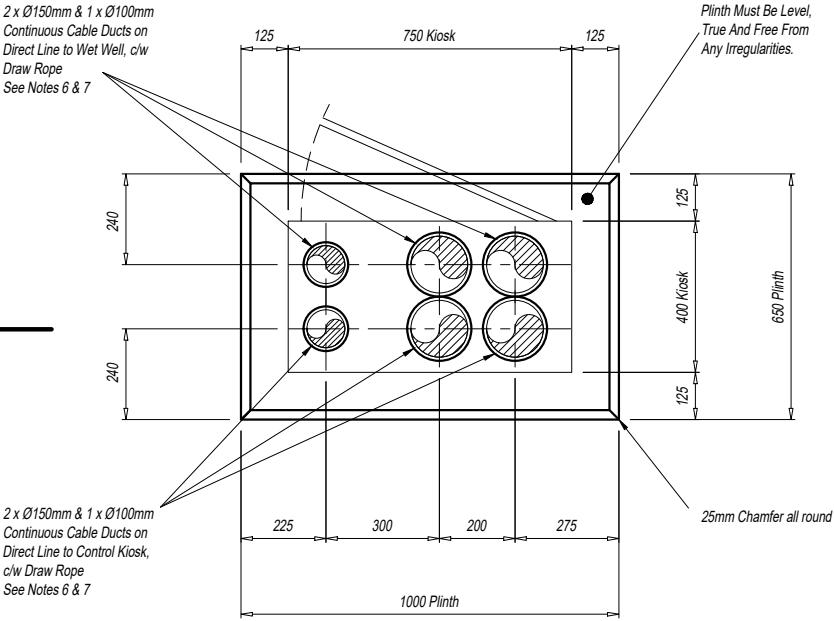
BUILDING 4.6, HITECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG
OFFICE TEL No. (01483) 930520
WEBSITE WWW.PDASLTD.CO.UK

PROJECT	HILL TOP, LEICESTER ROAD EARL SHILTON				
TITLE	FOUL WATER PUMP STATION PLAN VIEW				
CLIENT	VISTRY SOUTH EAST MIDLANDS				
SCALE AT A1	1:25	SCALE AT A3	1:50		
QUOTE NUMBER	4271	APR'l	G.T.	DATE	08-01-2025
JOB NO.	28225	CHK'd	I.V.	DATE	08-01-2025
DRAWING NUMBER	4271-28225-002	DR'n	K.T.	DATE	08-01-2025

JUNCTION BOX KIOSK PLINTH DETAIL

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

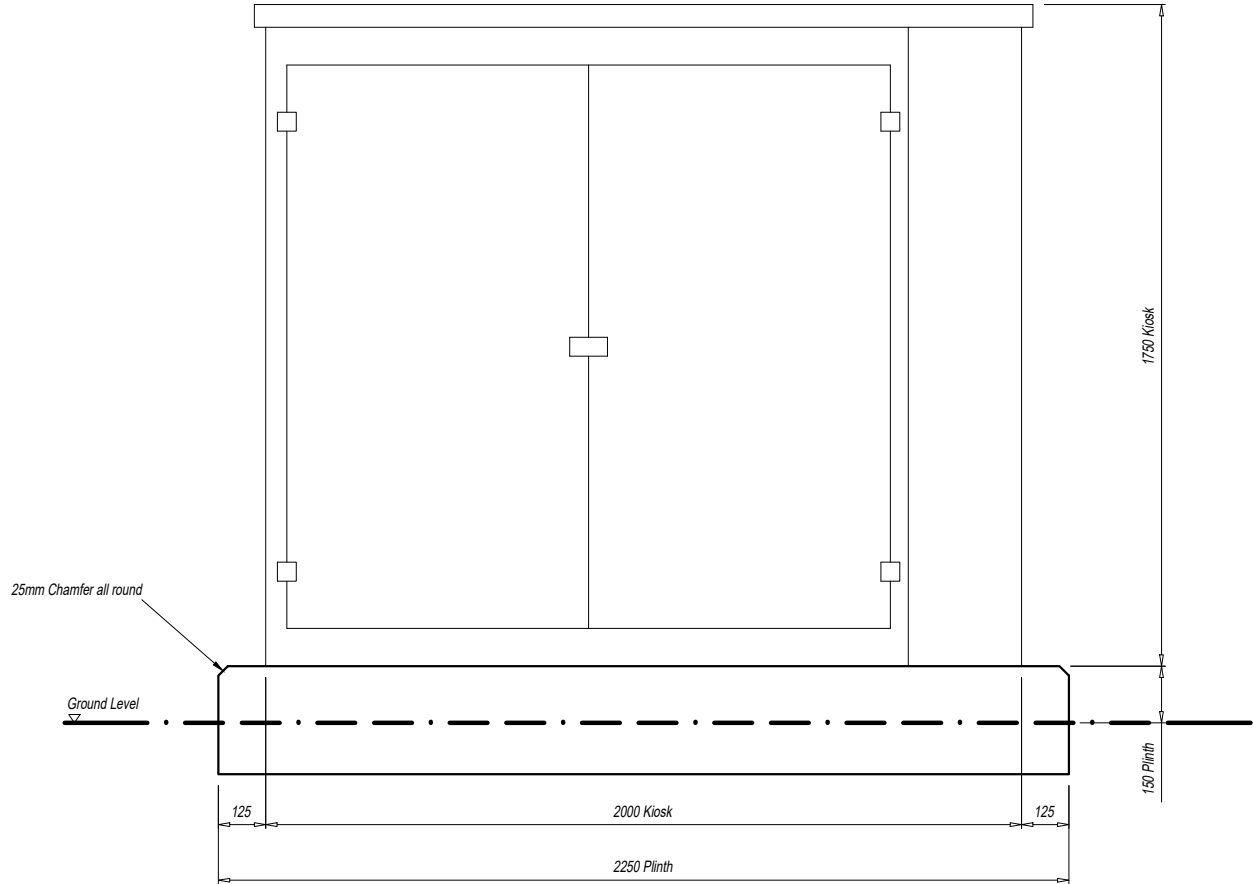
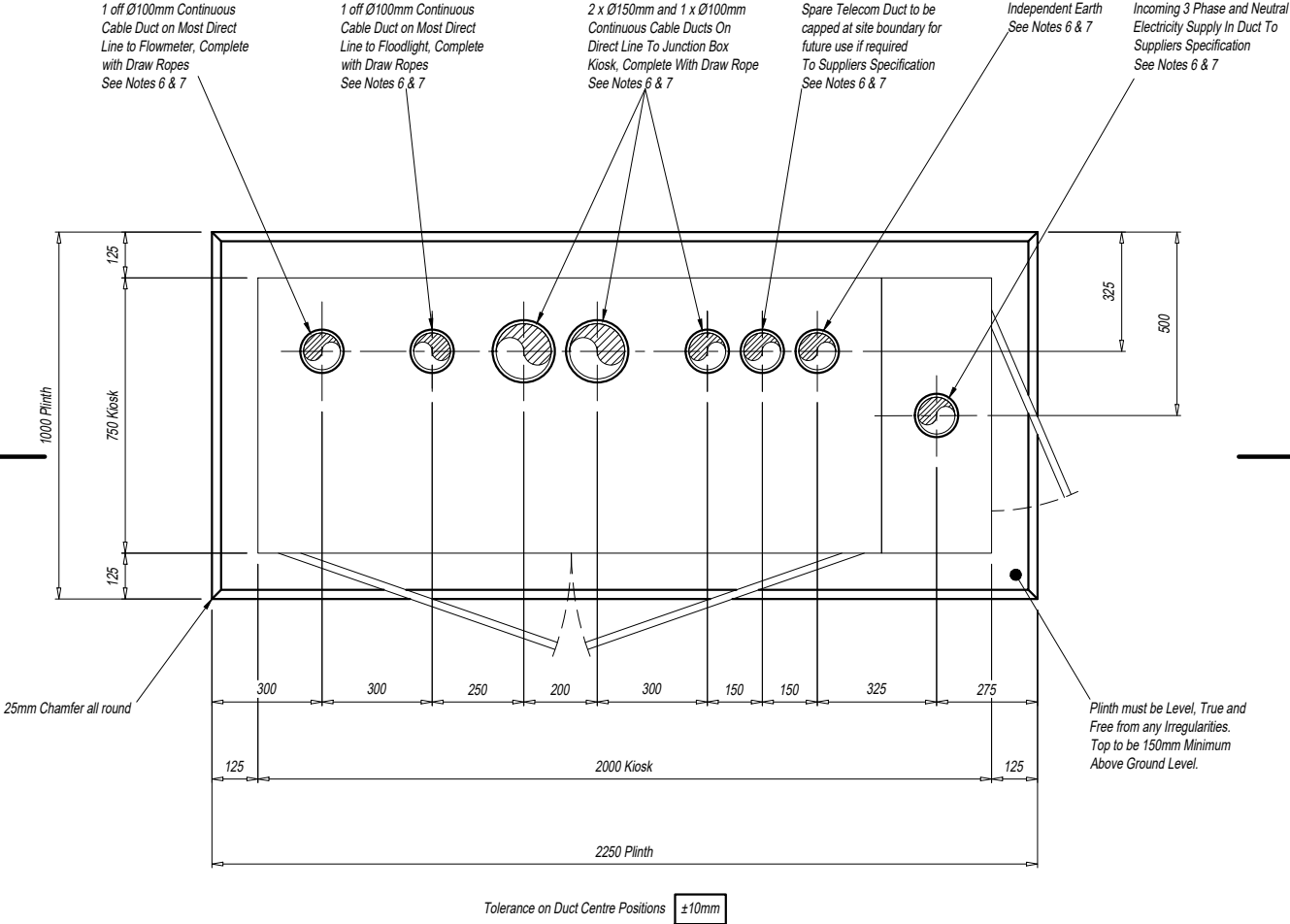
Tolerance on Duct Centre Positions ±10mm



VIEW ON SECTION C - C

MCC KIOSK PLINTH DETAIL

(KIOSK 1750 High)

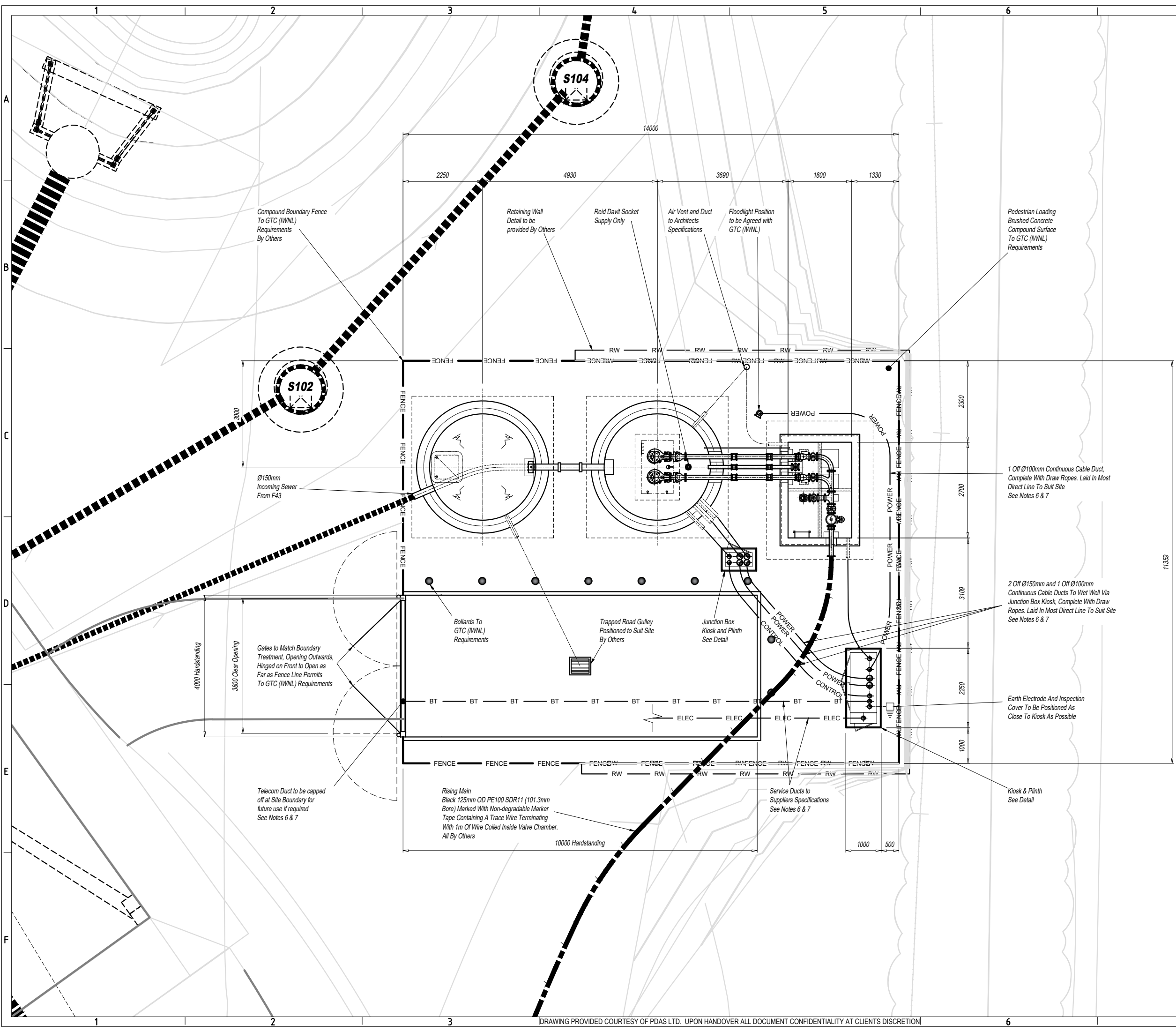


VIEW ON SECTION D - D

NOTES

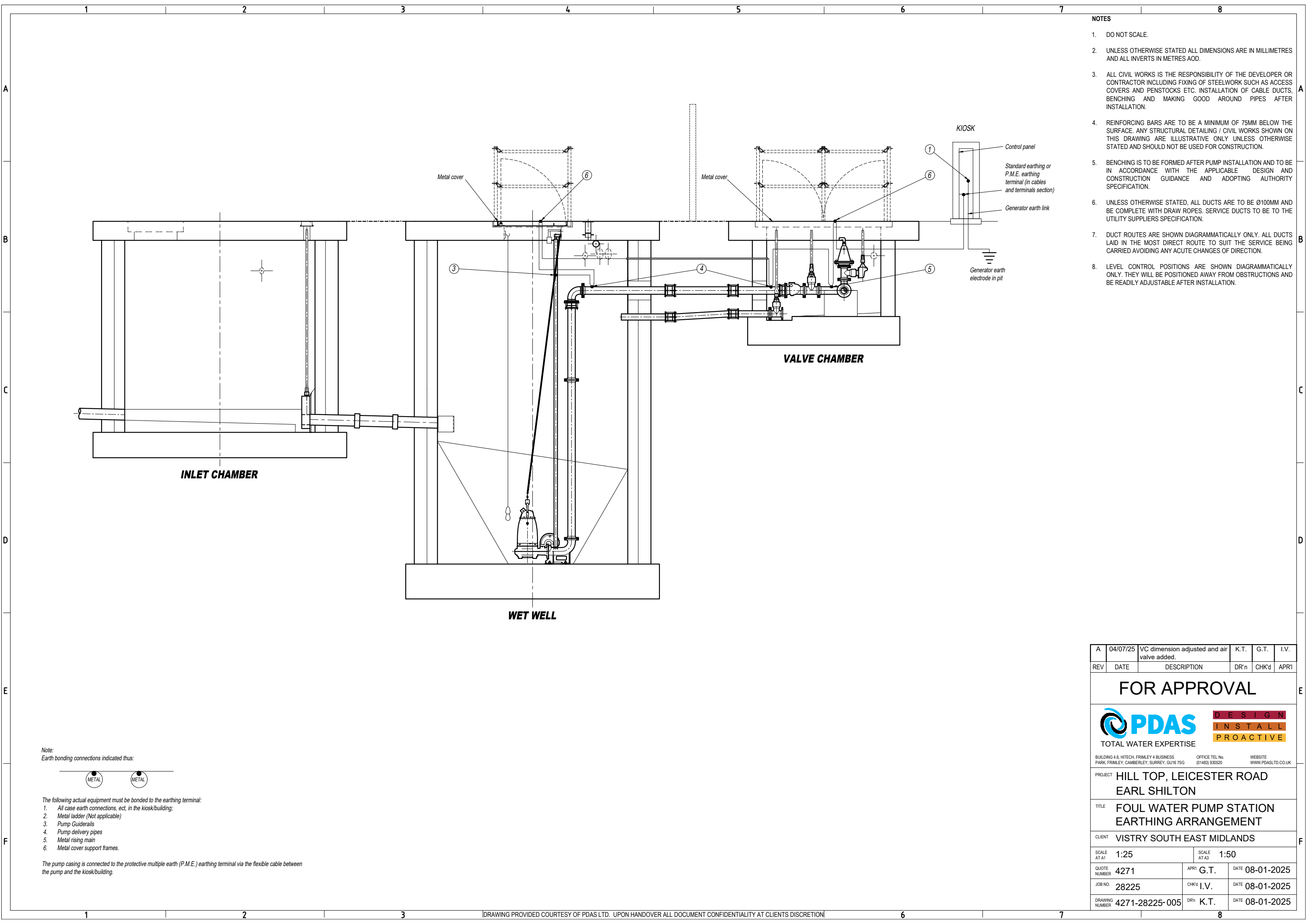
- DO NOT SCALE.
- UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES AND ALL INVERTS IN METRES AOD.
- ALL CIVIL WORKS IS THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR INCLUDING FIXING OF STEELWORK SUCH AS ACCESS COVERS AND PENSTOCKS ETC. INSTALLATION OF CABLE DUCTS, BENCHING AND MAKING GOOD AROUND PIPES AFTER INSTALLATION.
- 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.
- BENCHING IS TO BE FORMED AFTER PUMP INSTALLATION AND TO BE IN ACCORDANCE WITH THE APPLICABLE DESIGN AND CONSTRUCTION GUIDANCE AND ADOPTING AUTHORITY SPECIFICATION.
- UNLESS OTHERWISE STATED, ALL DUCTS ARE TO BE Ø100MM AND BE COMPLETE WITH DRAW ROPES. SERVICE DUCTS TO BE TO THE UTILITY SUPPLIERS SPECIFICATION.
- 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.
- 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
FOR APPROVAL					
 DESIGN INSTALL PROACTIVE					
TOTAL WATER EXPERTISE					
BUILDING 4.6, IITECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG OFFICE TEL No. (01483) 930520 WEBSITE WWW.PDASLTD.CO.UK					
PROJECT HILL TOP, LEICESTER ROAD EARL SHILTON					
TITLE FOUL WATER PUMP STATION KIOSK AND PLINTH DETAIL					
CLIENT VISTRY SOUTH EAST MIDLANDS					
SCALE AT A1 1:10		SCALE AT A3 1:20			
QUOTE NUMBER 4271		APR'l G.T.	DATE 08-01-2025		
JOB NO. 28225		CHK'd I.V.	DATE 08-01-2025		
DRAWING NUMBER 4271-28225-003		DR'n K.T.	DATE 08-01-2025		



- NOTES**
- DO NOT SCALE.
 - UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES AND ALL INVERTS IN METRES AOD.
 - 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.
 - 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.
 - BENCHING IS TO BE FORMED AFTER PUMP INSTALLATION AND TO BE IN ACCORDANCE WITH THE APPLICABLE DESIGN AND CONSTRUCTION GUIDANCE AND ADOPTING AUTHORITY SPECIFICATION.
 - UNLESS OTHERWISE STATED, ALL DUCTS ARE TO BE Ø100MM AND BE COMPLETE WITH DRAW ROPES. SERVICE DUCTS TO BE TO THE UTILITY SUPPLIERS SPECIFICATION.
 - 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.
 - LEVEL CONTROL POSITIONS ARE SHOWN DIAGRAMMATICALLY ONLY. THEY WILL BE POSITIONED AWAY FROM OBSTRUCTIONS AND BE READILY ADJUSTABLE AFTER INSTALLATION.

A	04/07/25	VC dimension adjusted and air valve added. Site plan updated.	K.T.	G.T.	I.V.
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 HILL TOP, LEICESTER ROAD EARL SHILTON					
TITLE FOUL WATER PUMP STATION SITE PLAN					
CLIENT VISTRY SOUTH EAST MIDLANDS					
SCALE AT A1 1:50			SCALE AT A3 1:100		
QUOTE NUMBER 4271		APR'l G.T.		DATE 08-01-2025	
JOB NO. 28225		CHK'd I.V.		DATE 08-01-2025	
DRAWING NUMBER 4271-28225-004		DR'n K.T.		DATE 08-01-2025	



- NOTES**
- DO NOT SCALE.
 - UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES AND ALL INVERTS IN METRES AOD.
 - 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.
 - 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.
 - BENCHING IS TO BE FORMED AFTER PUMP INSTALLATION AND TO BE IN ACCORDANCE WITH THE APPLICABLE DESIGN AND CONSTRUCTION GUIDANCE AND ADOPTING AUTHORITY SPECIFICATION.
 - UNLESS OTHERWISE STATED, ALL DUCTS ARE TO BE Ø100MM AND BE COMPLETE WITH DRAW ROPES. SERVICE DUCTS TO BE TO THE UTILITY SUPPLIERS SPECIFICATION.
 - 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.
 - LEVEL CONTROL POSITIONS ARE SHOWN DIAGRAMMATICALLY ONLY. THEY WILL BE POSITIONED AWAY FROM OBSTRUCTIONS AND BE READILY ADJUSTABLE AFTER INSTALLATION.

Note:
Earth bonding connections indicated thus:

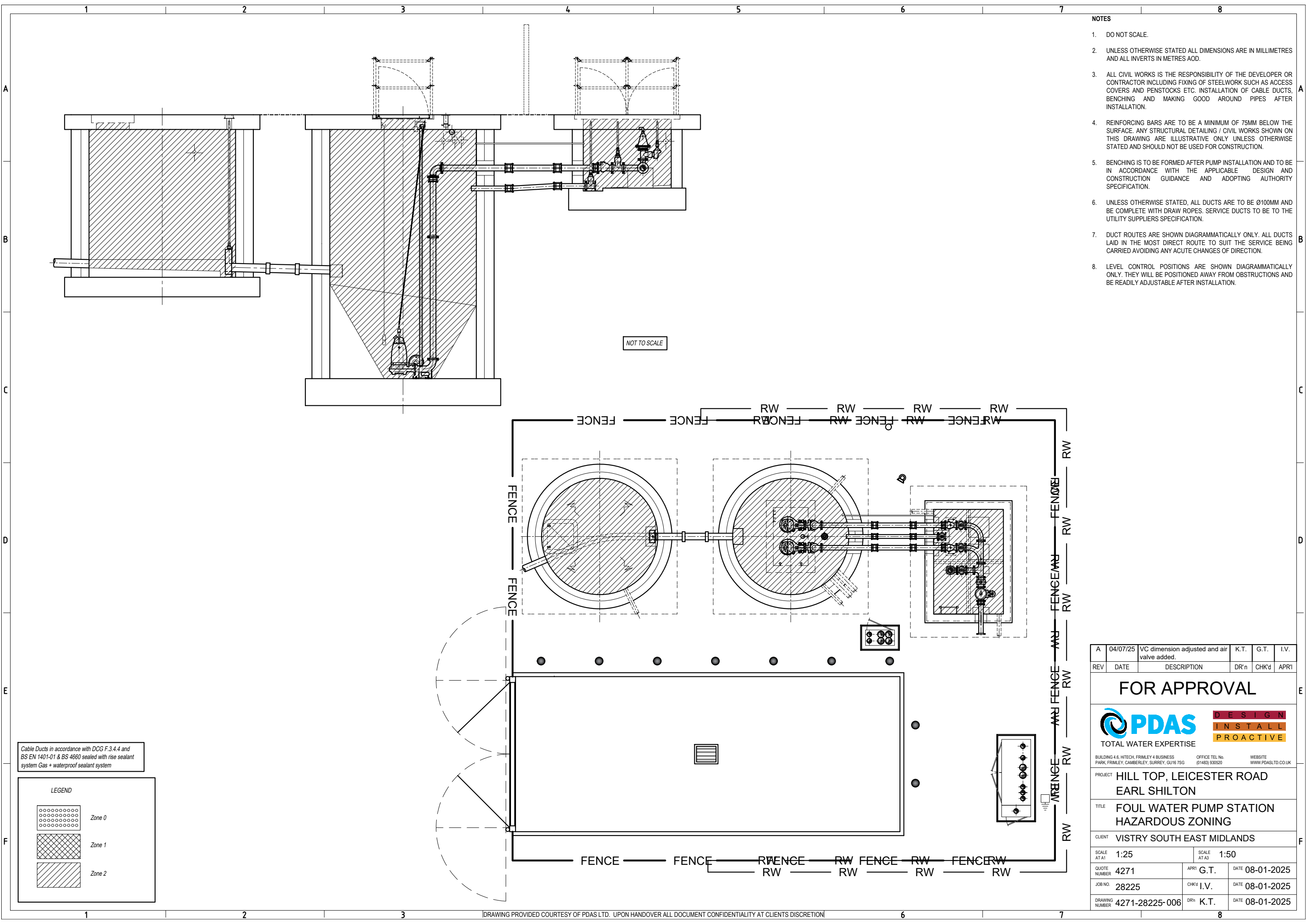


The following actual equipment must be bonded to the earthing terminal:

- All case earth connections, ect, in the kiosk/building;
- Metal ladder (Not applicable)
- Pump Guiderails
- Pump delivery pipes
- Metal rising main
- 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.

A	04/07/25	VC dimension adjusted and air valve added.	K.T.	G.T.	I.V.
REV	DATE	DESCRIPTION	DR'n	CHK'd	APPR
FOR APPROVAL					
 DESIGN INSTALL PROACTIVE TOTAL WATER EXPERTISE					
BUILDING 4 & 5, HITECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG			OFFICE TEL No. (01483) 930520		WEBSITE WWW.PDASLTD.CO.UK
PROJECT	HILL TOP, LEICESTER ROAD EARL SHILTON				
TITLE	FOUL WATER PUMP STATION EARTHING ARRANGEMENT				
CLIENT	VISTRY SOUTH EAST MIDLANDS				
SCALE AT A1	1:25		SCALE AT A3	1:50	
QUOTE NUMBER	4271		APR'l	G.T.	DATE 08-01-2025
JOB NO.	28225		CHK'd	I.V.	DATE 08-01-2025
DRAWING NUMBER	4271-28225-005		DR'n	K.T.	DATE 08-01-2025



- NOTES
- DO NOT SCALE.
 - UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES AND ALL INVERTS IN METRES AOD.
 - 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.
 - 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.
 - BENCHING IS TO BE FORMED AFTER PUMP INSTALLATION AND TO BE IN ACCORDANCE WITH THE APPLICABLE DESIGN AND CONSTRUCTION GUIDANCE AND ADOPTING AUTHORITY SPECIFICATION.
 - UNLESS OTHERWISE STATED, ALL DUCTS ARE TO BE Ø100MM AND BE COMPLETE WITH DRAW ROPES. SERVICE DUCTS TO BE TO THE UTILITY SUPPLIERS SPECIFICATION.
 - 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.
 - LEVEL CONTROL POSITIONS ARE SHOWN DIAGRAMMATICALLY ONLY. THEY WILL BE POSITIONED AWAY FROM OBSTRUCTIONS AND BE READILY ADJUSTABLE AFTER INSTALLATION.

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

Zone 0
Zone 1
Zone 2

A	04/07/25	VC dimension adjusted and air valve added.	K.T.	G.T.	I.V.
REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l

FOR APPROVAL

PDAS DESIGN INSTALL PROACTIVE
TOTAL WATER EXPERTISE

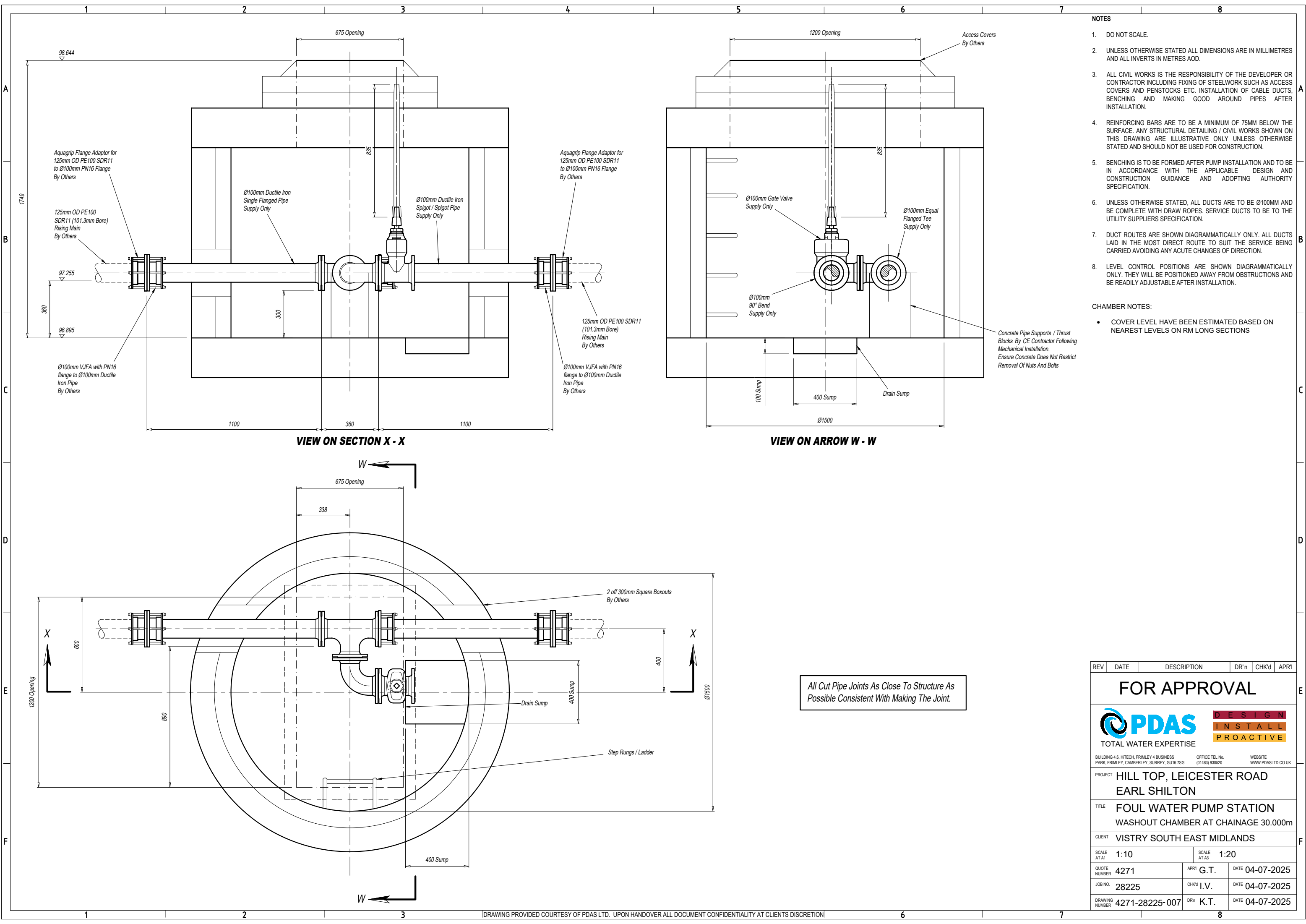
BUILDING 4.6, HTECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG OFFICE TEL No. (01483) 930520 WEBSITE WWW.PDASLTD.CO.UK

PROJECT **HILL TOP, LEICESTER ROAD EARL SHILTON**

TITLE **FOUL WATER PUMP STATION HAZARDOUS ZONING**

CLIENT **VISTRY SOUTH EAST MIDLANDS**

SCALE AT A1	1:25	SCALE AT A3	1:50
QUOTE NUMBER	4271	APR'l G.T.	DATE 08-01-2025
JOB NO.	28225	CHK'd I.V.	DATE 08-01-2025
DRAWING NUMBER	4271-28225-006	DR'n K.T.	DATE 08-01-2025



- NOTES**
- DO NOT SCALE.
 - UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN MILLIMETRES AND ALL INVERTS IN METRES AOD.
 - 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.
 - 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.
 - BENCHING IS TO BE FORMED AFTER PUMP INSTALLATION AND TO BE IN ACCORDANCE WITH THE APPLICABLE DESIGN AND CONSTRUCTION GUIDANCE AND ADOPTING AUTHORITY SPECIFICATION.
 - UNLESS OTHERWISE STATED, ALL DUCTS ARE TO BE Ø100MM AND BE COMPLETE WITH DRAW ROPES. SERVICE DUCTS TO BE TO THE UTILITY SUPPLIERS SPECIFICATION.
 - 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.
 - LEVEL CONTROL POSITIONS ARE SHOWN DIAGRAMMATICALLY ONLY. THEY WILL BE POSITIONED AWAY FROM OBSTRUCTIONS AND BE READILY ADJUSTABLE AFTER INSTALLATION.

- CHAMBER NOTES:**
- COVER LEVEL HAVE BEEN ESTIMATED BASED ON NEAREST LEVELS ON RM LONG SECTIONS

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

REV	DATE	DESCRIPTION	DR'n	CHK'd	APR'l
FOR APPROVAL					
 DESIGN INSTALL PROACTIVE					
TOTAL WATER EXPERTISE					
BUILDING 4 & 5, HITECH, FRIMLEY 4 BUSINESS PARK, FRIMLEY, CAMBERLEY, SURREY, GU16 7SG OFFICE TEL No. (01483) 930520 WEBSITE WWW.PDASLTD.CO.UK					
PROJECT HILL TOP, LEICESTER ROAD EARL SHILTON					
TITLE FOUL WATER PUMP STATION WASHOUT CHAMBER AT CHAINAGE 30.000m					
CLIENT VISTRY SOUTH EAST MIDLANDS					
SCALE AT A1 1:10		SCALE AT A3 1:20			
QUOTE NUMBER 4271		APR'l G.T.	DATE 04-07-2025		
JOB NO. 28225		CHK'd I.V.	DATE 04-07-2025		
DRAWING NUMBER 4271-28225-007		DR'n K.T.	DATE 04-07-2025		