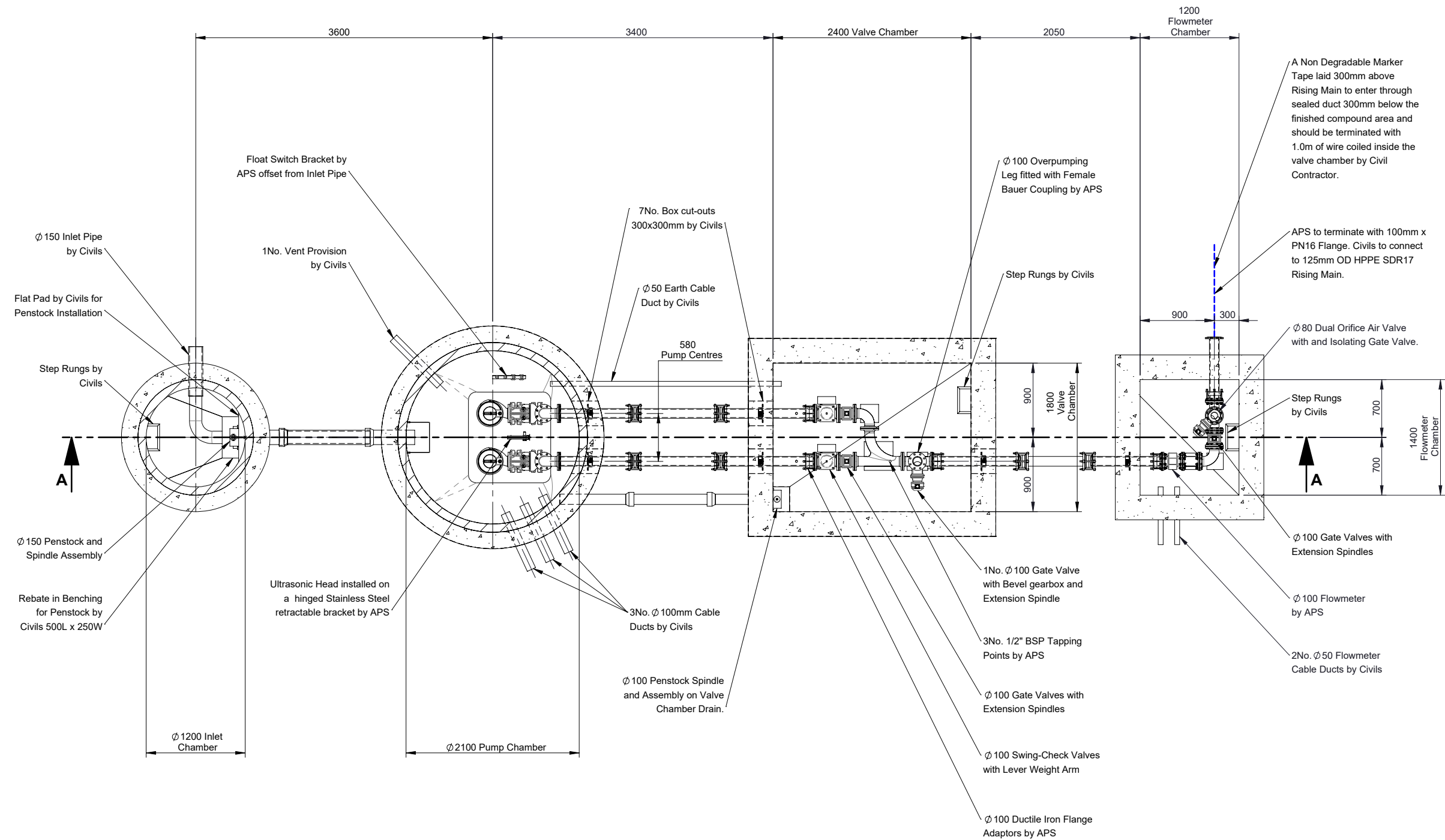


SECTIONAL PLAN VIEW



Approved by:

Date:

Signed:

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Notes

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3. Box outs to be filled and made good by civil contractor once pipework has been installed.
4. All dimensions in mm unless otherwise stated.
5. Benching to be completed after APS installation.
6. Cable ducts to be installed by civil contractor complete with draw-cords. Specific sizes shown within drawing detail.
7. Cable ducts to be sealed with 'RISE' sealant.
8. All structural calculations to be completed by structural engineer. APS have no involvement with the design of wet well cover and base slab.
9. Wet wells should be assumed to be a Zone 1 atmosphere, unless the risk assessment clearly shows that protection to a less hazardous zone is appropriate for compliance with DSEAR.
10. Pumps, floats and electrical equipment are Non-EX rated.
11. All fittings are to be stainless steel.
12. The pumps are to be labelled 'Pump 1' & 'Pump 2'.
13. All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance and IWNL Specification.
14. All fixing bolts into concrete to be stainless steel.

A	Drawing for Approval	11/10/2023	GR
Issue:	Description:	Date:	Auth:



Tel: 01743465463
Fax: 01743452050
Email: sales@allpumpsolutions.com



all pump solutions
FLUID EXPERTISE

Title: **Surface Water Pump Station to Design and Construction Guidance / IWNL Specification**
- Sectional Plan View

Contract: **Barnburgh Lane, Rotherham (SW)**

Contractor: **Homes by Honey Ltd**

Consulting Engineer: **Eastwood & Partners Ltd**

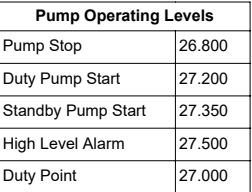
Works Order Number: **9684**

Size:	Scale:	Drawn:	Checked:	Approved:
A3	1:55	GR	CW	CW

Drawing Number:	Date:
EQ5522-152460-100	11/10/2023

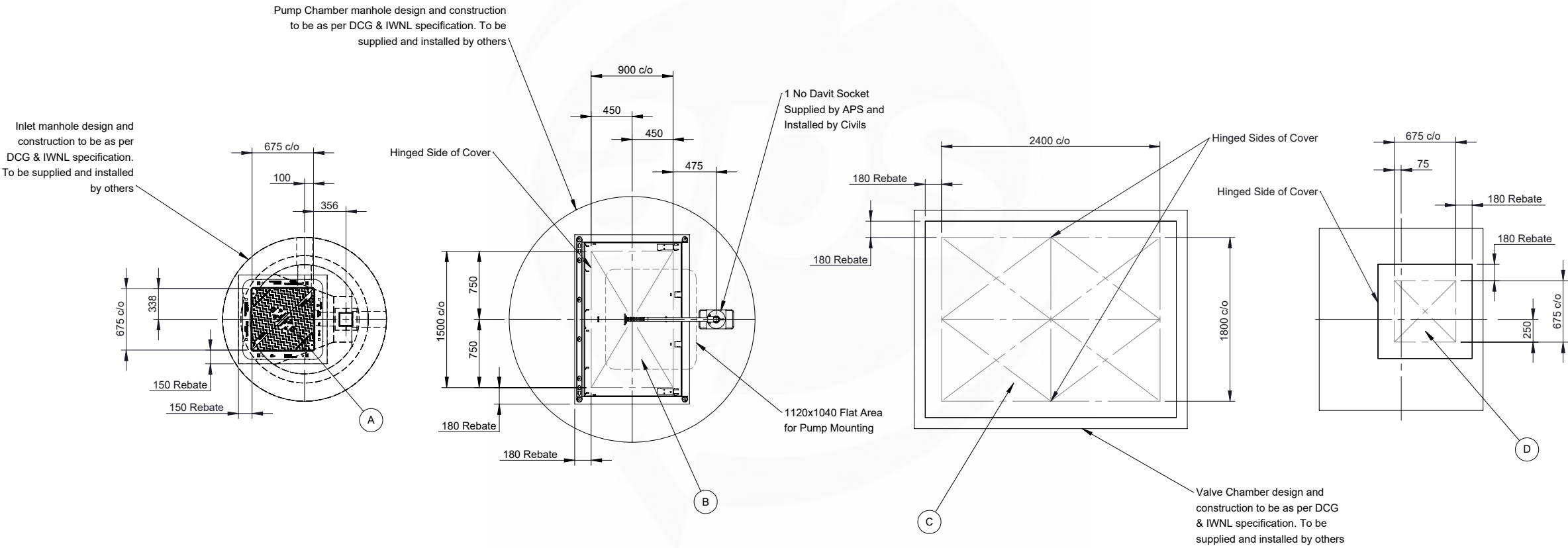
Internal Reference:	Issue:
APS 5522	A

Approved by:					
Date:		Signed:			
This drawing is confidential and must not be reproduced, copied or passed to a third party without the written permission from All Pump Solutions					
Notes					
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13. All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance and IWNL Specification.					
14. All fixing bolts into concrete to be stainless steel.					
A	Drawing for Approval			11/10/2023	GR
Issue:	Description:			Date:	Auth:
Tel: 01743465463 Fax: 01743452050 Email: sales@allpumpsolutions.com all pump solutions FLUID EXPERTISE					
Title: Surface Water Pump Station to Design and Construction Guidance / IWNL Specification <i>- Elevation Section View</i>					
Contract: Barnburgh Lane, Rotherham (SW)					
Contractor: Homes by Honey Ltd					
Consulting Engineer: Eastwood & Partners Ltd					
Works Order Number: 9684					
Size: A3	Scale: 1:60	Drawn: GR	Checked: CW	Approved: CW	
Drawing Number: EQ5522-152460-200			Date: 11/10/2023		
Internal Reference: APS 5522				Issue: A	



COVER DETAIL

COVER	CHAMBER	DESCRIPTION
A	INLET CHAMBER	1No 675x675mm Clear Opening D400 Ductile Iron Access Cover. Supply by APS, Install by Civils
B	PUMP CHAMBER	1 No. Pump Chamber 1500mm x 900mm clear opening. Stamp-Lock Prolift Mild steel hinged access cover and frame. Plain seated - no seal, Torsion spring assisted lift, "Teagle" (pump through) safety grid, 'Stamp-lock' unique locking mechanism, External demountable safety barriers, Recessed padlock box, Self locating cover safety stays. FACTA B loading class, Galvanized to BS EN 1461.
C	VALVE CHAMBER	1 No. Valve Chamber 3000mm x 1800mm clear opening. Stamp-Lock Prolift Mild steel hinged access cover and frame. Plain seated - no seal, Torsion spring assisted lift, single safety grid, 'Stamp-lock' unique locking mechanism, External demountable safety barriers, Recessed padlock box, Self locating cover safety stays. FACTA B loading class, Galvanized to BS EN 1461.
D	FLOWMETER CHAMBER	1 No. Inlet Chamber 675mm x 675mm clear opening. Stamp-Lock Prolift Mild steel hinged access cover and frame. Plain seated - no seal, Torsion spring assisted lift, single safety grid, 'Stamp-lock' unique locking mechanism, External demountable safety barriers, Recessed padlock box, Self locating cover safety stays. FACTA B loading class, Galvanized to BS EN 1461.



Approved by:

Date:

Signed:

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Notes

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2. All Civils works to be completed by Civil contractor.
3. Box outs to be filled and made good by civil contractor once pipework has been installed.
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7. Cable ducts to be sealed with 'RISE' sealant.
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10. Pumps, floats and electrical equipment are Non-EX rated.
11. All fittings are to be stainless steel.
12. The pumps are to be labelled 'Pump 1' & 'Pump 2'.
13. All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance and IWNL Specification.
14. All fixing bolts into concrete to be stainless steel.

A	Drawing for Approval	11/10/2023	GR
Issue:	Description:	Date:	Auth:

aps

Tel: 01743465463
Fax: 01743452050
Email: sales@allpumpsolutions.com

all pump solutions
FLUID EXPERTISE

Title: **Surface Water Pump Station to Design and Construction Guidance / IWNL Specification - Cover Detail**

Contract: **Barnburgh Lane, Rotherham (SW)**

Contractor: **Homes by Honey Ltd**

Consulting Engineer: **Eastwood & Partners Ltd**

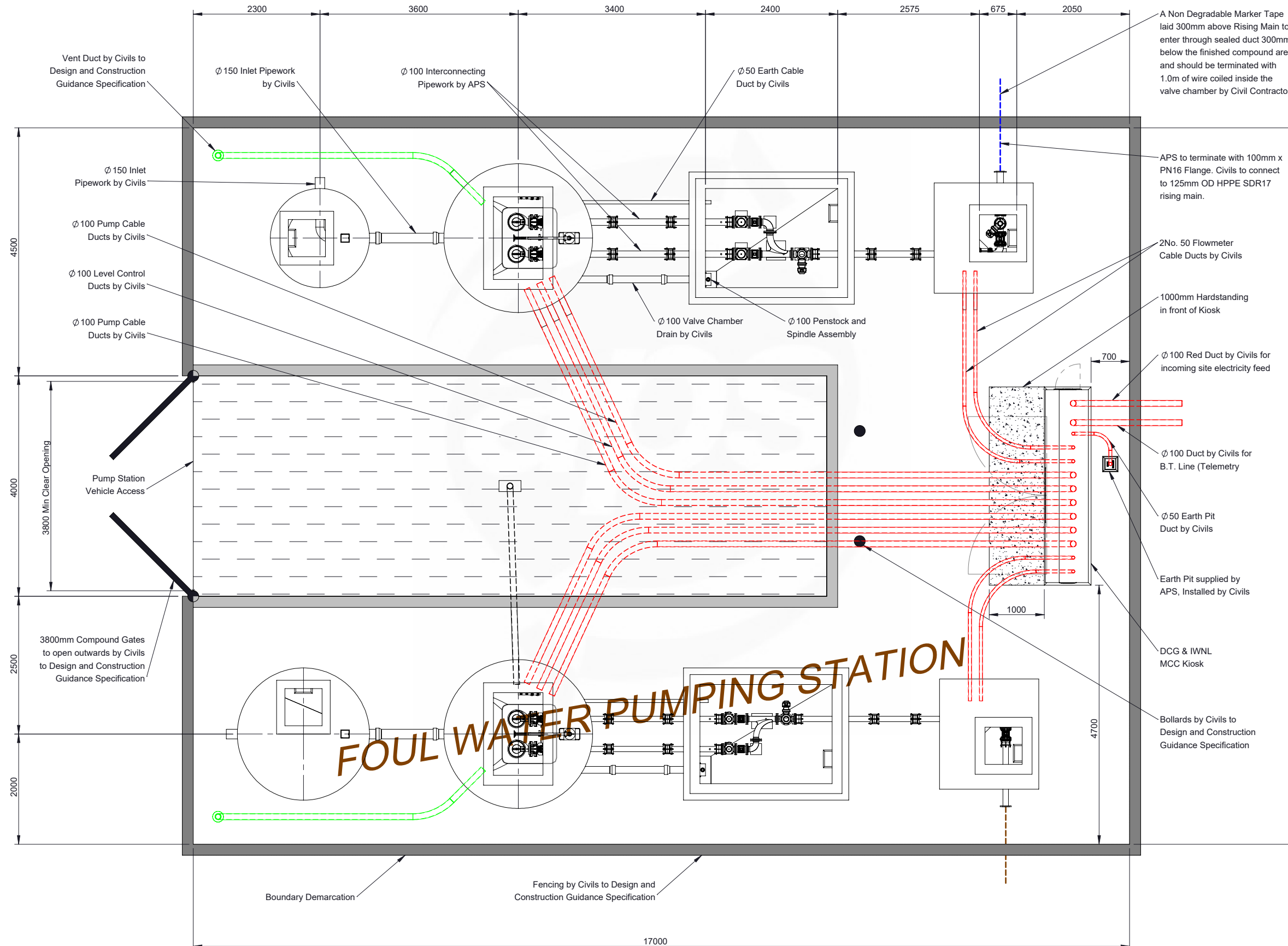
Works Order Number: **9684**

Size:	Scale:	Drawn:	Checked:	Approved:
A3	1:55	GR	CW	CW

Drawing Number: **EQ5522-152460-300** Date: **11/10/2023**

Internal Reference: **APS 5522** Issue: **A**

SITE LAYOUT



Approved by:

Date:

Signed:

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Notes

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14. All fixing bolts into concrete to be stainless steel.

A	Drawing for Approval	11/10/2023	GR
Issue:	Description:	Date:	Auth:

 Tel: 01743465463
Fax: 01743452050
Email: sales@allpumpsolutions.com

all pump solutions
FLUID EXPERTISE

Title: **Surface Water Pump Station to Design and Construction Guidance / IWNL Specification - Site Layout**

Contract: **Barnburgh Lane, Rotherham (SW)**

Contractor: **Homes by Honey Ltd**

Consulting Engineer: **Eastwood & Partners Ltd**

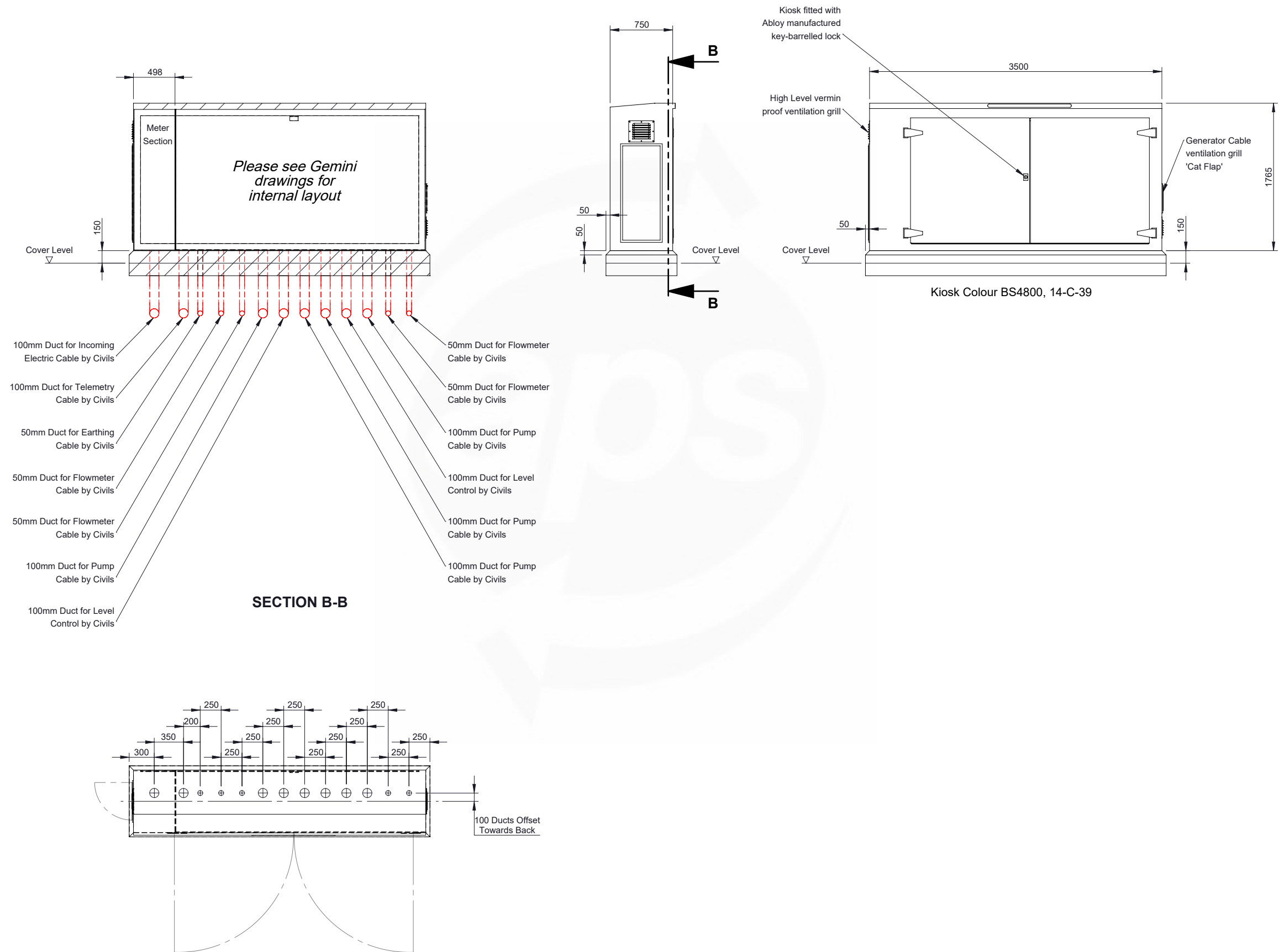
Works Order Number: **9684**

Size:	Scale:	Drawn:	Checked:	Approved:
A3	1:75	GR	CW	CW

Drawing Number: **EQ5522-152460-400** Date: **11/10/2023**

Internal Reference: **APS 5522** Issue: **A**

MCC KIOSK



Approved by:				
Date:		Signed:		
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Notes				
1. All works to be carried out in accordance with Design and Construction Guidance and IWNL Specification.				
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13. All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance and IWNL Specification.				
14. All fixing bolts into concrete to be stainless steel.				
A	Drawing for Approval		11/10/2023	GR
Issue:	Description:		Date:	Auth:
 Tel: 01743465463 Fax:01743452050 Email: sales@allpumpsolutions.com  FLUID EXPERTISE				
Title: Surface Water Pump Station to Design and Construction Guidance / IWNL Specification - Kiosk Detail				
Contract: Barnburgh Lane, Rotherham (SW)				
Contractor: Homes by Honey Ltd				
Consulting Engineer: Eastwood & Partners Ltd				
Works Order Number: 9684				
Size:	Scale:	Drawn:	Checked:	Approved:
A3	1:50	GR	CW	CW
Drawing Number: EQ5522-152460-500			Date: 11/10/2023	
Internal Reference: APS 5522				Issue: A

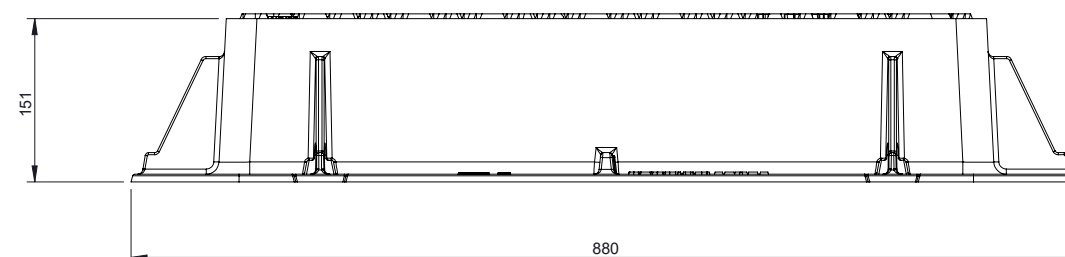
Technical drawing of the HA-BRUNEL 875 mattress, showing top and side views with dimensions and labels.

Dimensions:

- Overall width: 880
- Overall length: 675
- Internal width (c/o): 675 c/o

Labels and Markings:

- Top View:**
 - Top left corner: **CONFIDENTIAL**, Property of ESI B&A, Not to be used without permission.
 - Top right corner: **CONFIDENTIAL**, Property of ESI B&A, Not to be used without permission.
 - Bottom left corner: **CONFIDENTIAL**, Property of ESI B&A, Not to be used without permission.
 - Bottom right corner: **CONFIDENTIAL**, Property of ESI B&A, Not to be used without permission.
 - Center: **HA-BRUNEL 875**, **EN124-2 D400**, **AMP - PATENT PROTECTED - No. 2301500**.
 - Bottom center: **MINIMUM BEDDING LEVEL**.
- Side View:**
 - Left side: **HA-BRUNEL 875**.
 - Right side: **13-A FR**, **EN124-2 D400**, **KM07788**.



Signed:

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14. All fixing bolts into concrete to be stainless steel.

A	Drawing for Approval	11/10/2023	GR
Issue:	Description:	Date:	Auth:



Tel: 01743465463
Fax: 01743452050
Email: sales@allpumpsolutions.com

all pump solutions
FLUID EXPERTISE



Title: Surface Water Pump Station to Design and Construction Guidance / IWNL Specification
- Inlet Chamber Access Cover

Contract:	Barnburgh Lane, Rotherham (SW)
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Contractor: **Homes by Honey Ltd**

Consulting Engineer:	Eastwood & Partners Ltd
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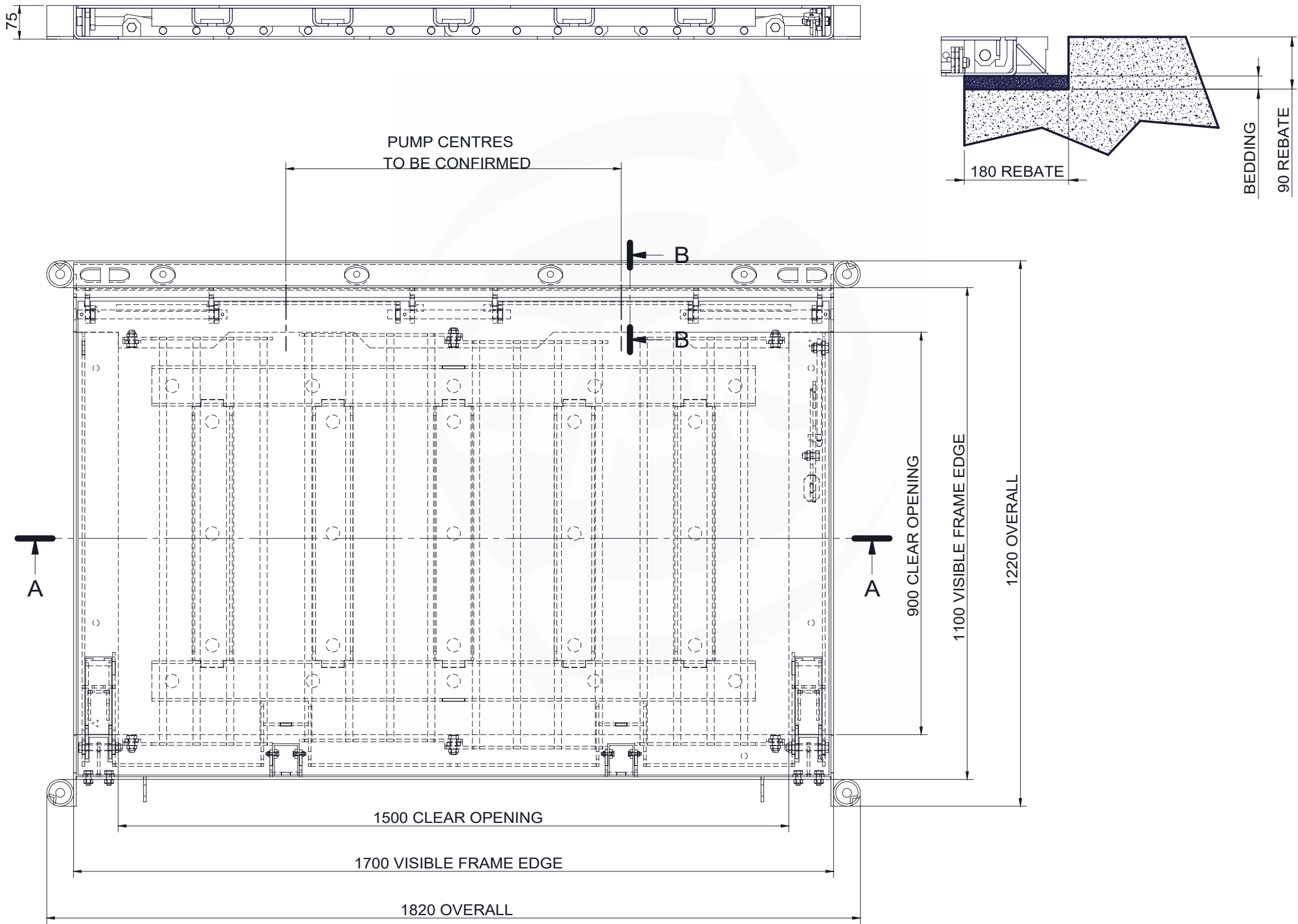
Works Order Number: **9684**

Size:	Scale:	Drawn:	Checked:	Approved:
A3	1:7	GR	CW	CW

Drawing Number:	Date:
EQ5522-152460-600	11/10/2023

Internal Reference:	Issue:
APS 5522	A

PUMP CHAMBER ACCESS COVER



Approved by:

Date:	Signed:
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Notes

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A	Drawing for Approval	11/10/2023	GR
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Issue: Description: Date: Auth:



Tel: 01743465463
Fax:01743452050
Email: sales@allpumpsolutions.com

all pump solutions

FLUID EXPERTISE

Title: Surface Water Pump Station to Design and Construction Guidance / IWNL Specification - Pump Chamber Cover

Contract: Barnburgh Lane, Rotherham (SW)

Contractor: Homes by Honey Ltd

Consulting Engineer: Eastwood & Partners Ltd

Works Order Number: 9684

Size: A3	Scale: 1:10	Drawn: GR	Checked: CW	Approved: CW
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Drawing Number: EQ5522-152460-700

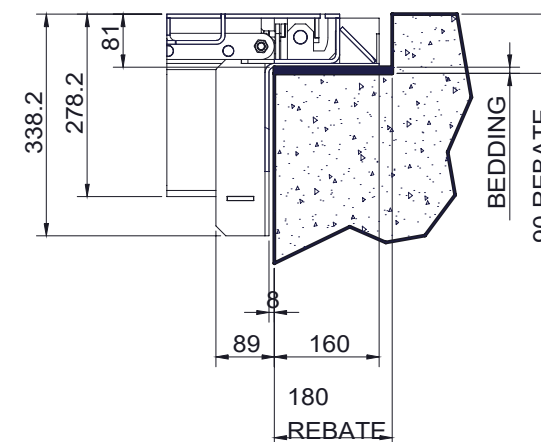
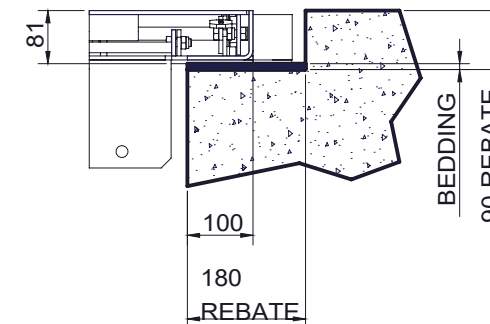
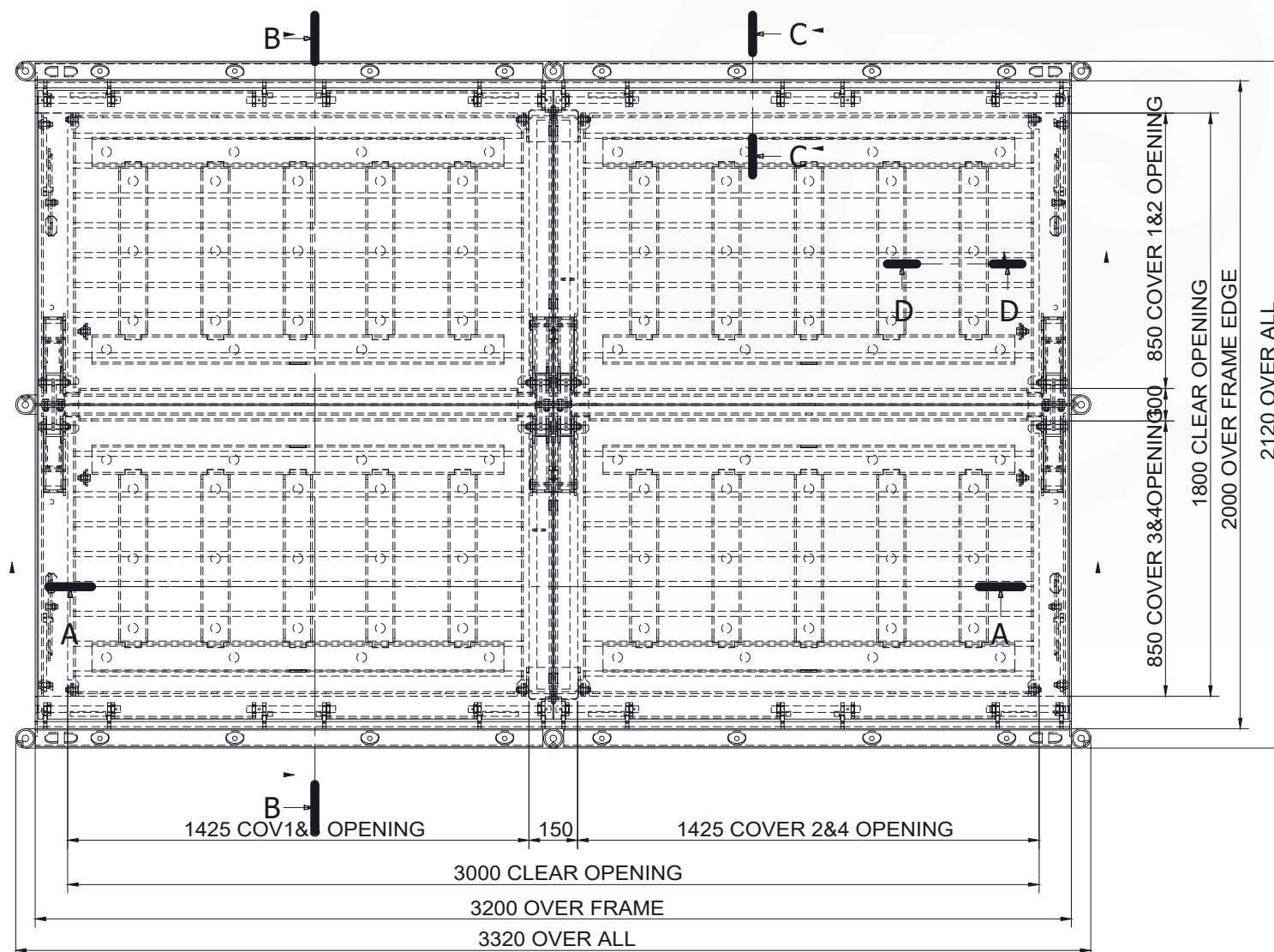
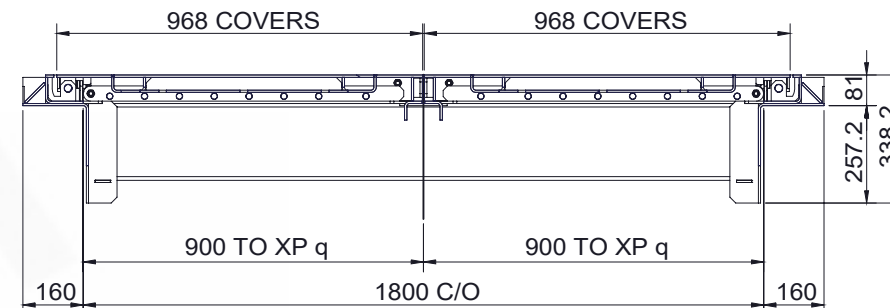
Date: 11/10/2023

Internal Reference: APS 5522

Issue: A

Technical drawing of a bridge deck cross-section. The drawing shows a central vertical axis of symmetry. Key dimensions and components are labeled:

- 1588 COVERS**: Two labels at the top, indicating the length of the cover sections on either side of the central axis.
- 1500 TO BEAM q**: Two labels below the covers, indicating the distance from the central axis to the centerline of the main beam.
- 3000 C/O**: A label at the bottom center, indicating the total width of the deck.
- 100**: Two labels at the bottom corners, indicating the thickness of the deck at the outer edges.



Signed:

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14. All fixing bolts into concrete to be stainless steel.

A	Drawing for Approval	11/10/2023	GR
Issue:	Description:	Date:	Auth:

 Tel: 01743465463
Fax: 01743452050
Email: sales@allpumpsolutions.com

all pump solutions
FLUID EXPERTISE

Title: **Surface Water Pump Station to Design and Construction Guidance / IWNL Specification**
- *Valve Chamber Cover*

Contract:	Barnburgh Lane, Rotherham (SW)
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Contractor: **Homes by Honey Ltd**

Consulting Engineer: **Eastwood & Partners Ltd**

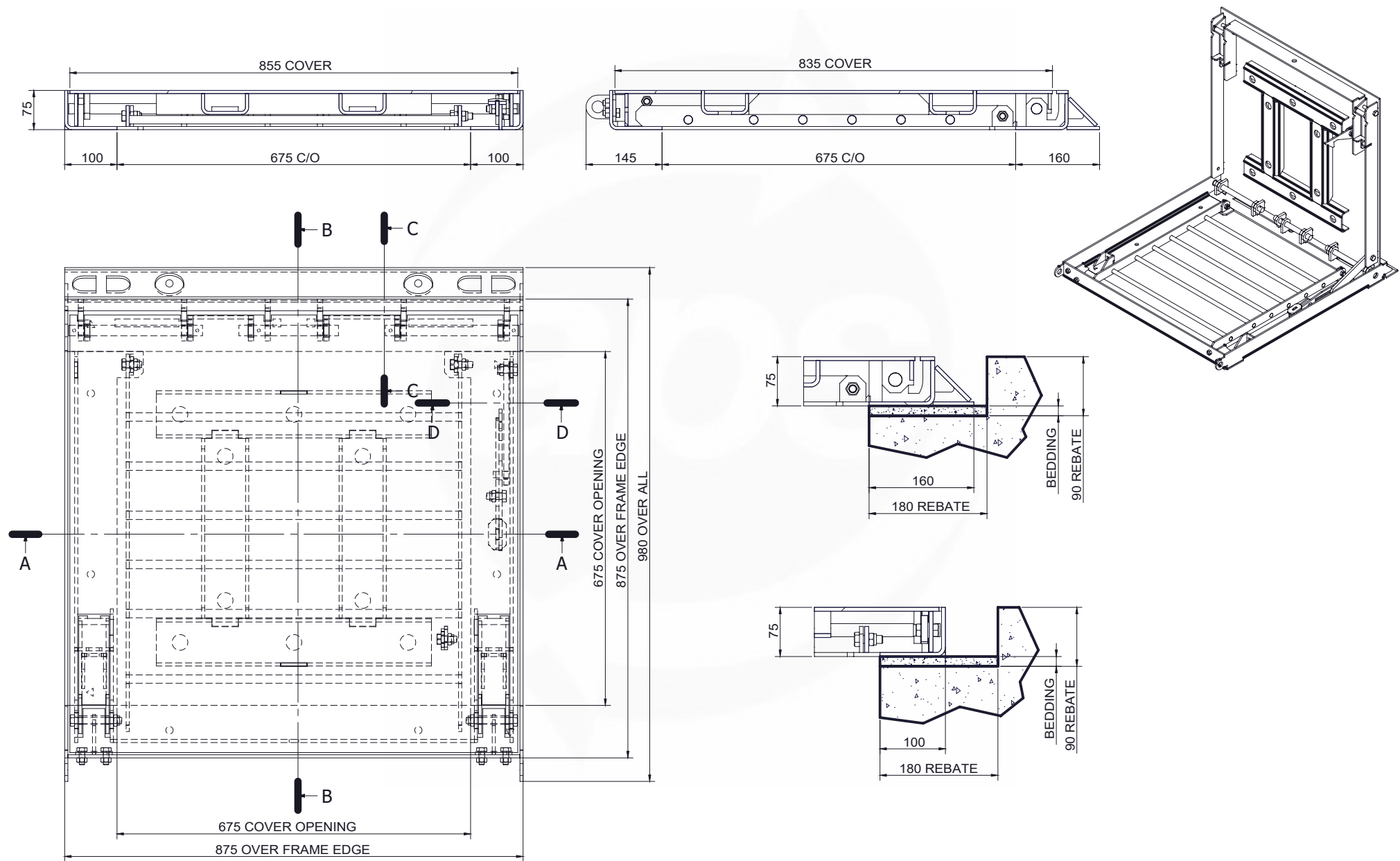
Works Order Number:	9684
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Size: A3	Scale: 1:20	Drawn: GR	Checked: CW	Approved: CW
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Drawing Number:	Date:
EQ5522-152460-800	11/10/2023

Internal Reference:	Issue:
APS 5522	A

FLOWMETER CHAMBER ACCESS COVER



Approved by:

Date:	Signed:
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A	Drawing for Approval	11/10/2023	GR
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Issue:	Description:	Date:	Auth:
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Tel: 01743465463
Fax:01743452050
Email: sales@allpumpsolutions.com

all pump solutions

FLUID EXPERTISE

Title: **Surface Water Pump Station to Design and Construction Guidance / IWNL Specification**
Flowmeter Chamber Cover

Contract:
Barnburgh Lane, Rotherham (SW)

Contractor:
Homes by Honey Ltd

Consulting Engineer:
Eastwood & Partners Ltd

Works Order Number:
9684

Size:	Scale:	Drawn:	Checked:	Approved:
A3	1:10	GR	CW	CW

Drawing Number:	Date:
EQ5522-152460-900	11/10/2023

Internal Reference:	Issue:
APS 5522	A