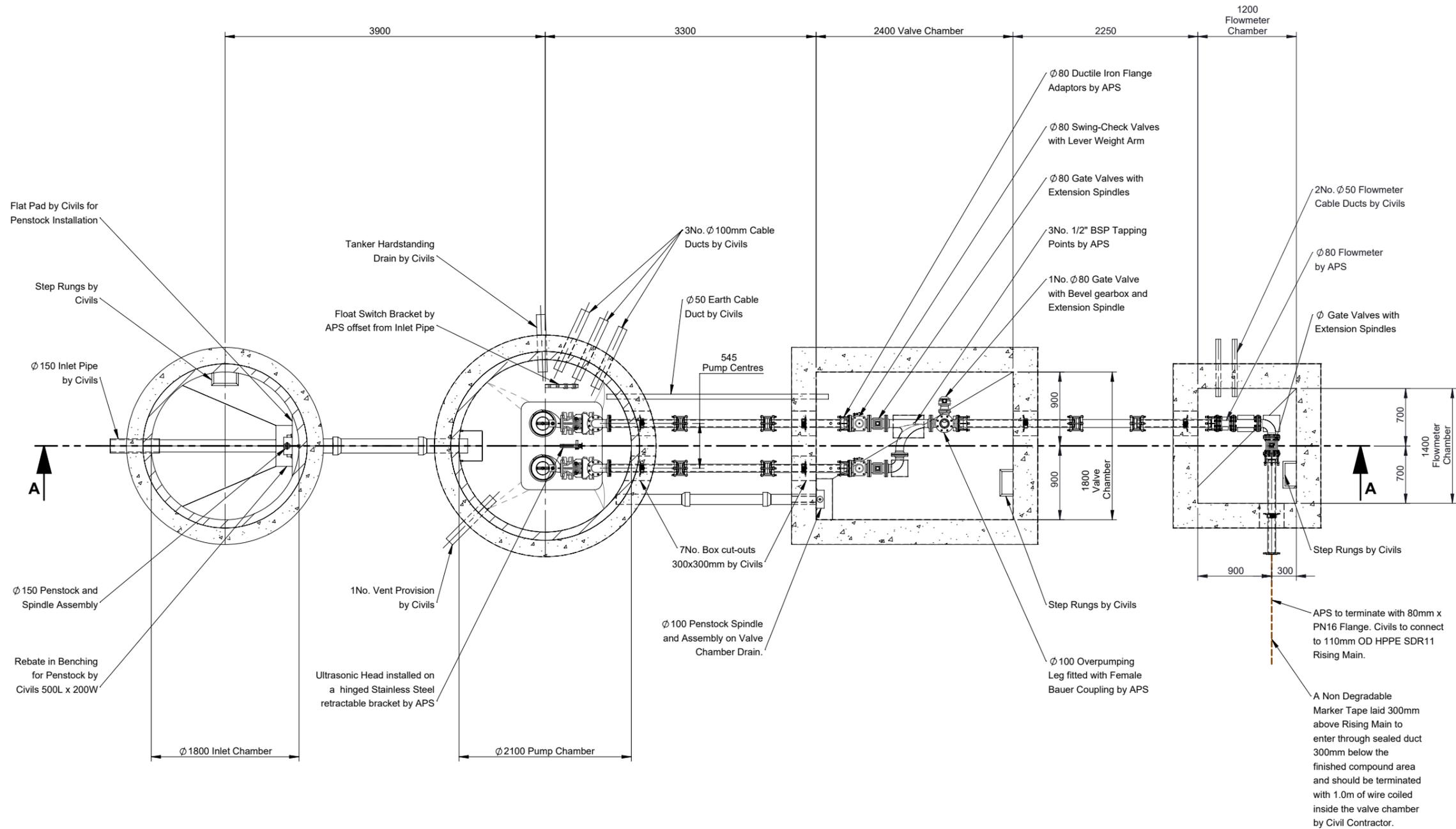


SECTIONAL PLAN VIEW



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

- All works to be carried out in accordance with Design and Construction Guidance and IWNL Specification.
- All Civils works to be completed by Civil contractor.
- Box outs to be filled and made good by civil contractor once pipework has been installed.
- All dimensions in mm unless otherwise stated.
- Benching to be completed after APS installation.
- Cable ducts to be installed by civil contractor complete with draw-cords. Specific sizes shown within drawing detail.
- Cable ducts to be sealed with 'RISE' sealant.
- All structural calculations to be completed by structural engineer. APS have no involvement with the design of wet well cover and base slab.
- 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.
- Pumps, floats and electrical equipment are Non-EX rated.
- All fittings are to be stainless steel.
- The pumps are to be labelled 'Pump 1' & 'Pump 2'.
- All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance and IWNL Specification.
- 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: Foul Water Pump Station to Design and Construction Guidance / IWNL Specification - Sectional Plan View

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

Contractor: **Homes by Honey Ltd**

Consulting Engineer: **Eastwood & Partners Ltd**

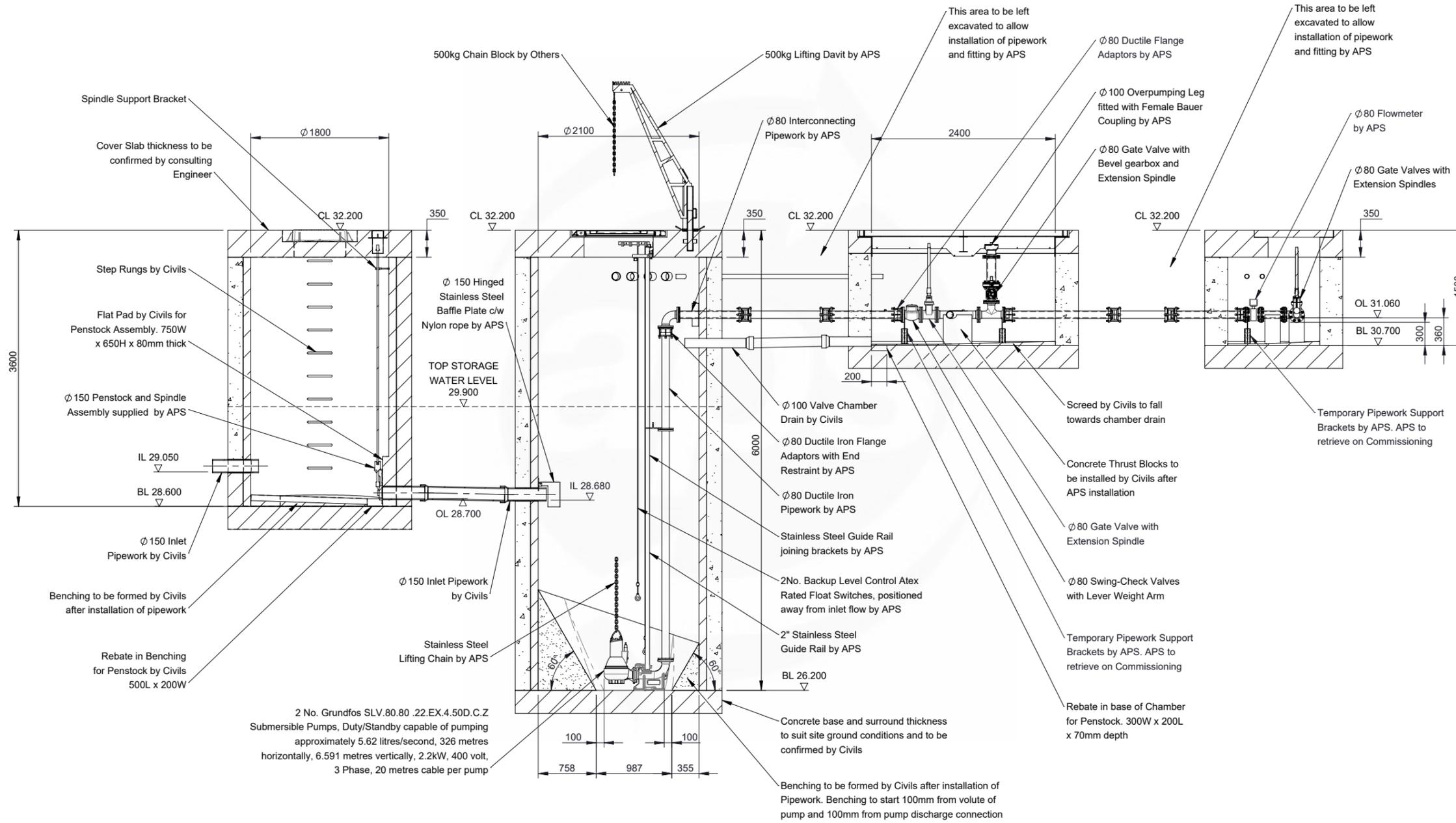
Works Order Number: **9684**

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

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

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

ELEVATION SECTION VIEW



SECTION A-A

Pump Operating Levels	
Pump Stop	26.550
Duty Pump Start	26.950
Standby Pump Start	27.100
High Level Alarm	27.250
Duty Point	26.750

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**
- All works to be carried out in accordance with Design and Construction Guidance and IWNL Specification.
 - All Civils works to be completed by Civil contractor.
 - Box outs to be filled and made good by civil contractor once pipework has been installed.
 - All dimensions in mm unless otherwise stated.
 - Benching to be completed after APS installation.
 - Cable ducts to be installed by civil contractor complete with draw-cords. Specific sizes shown within drawing detail.
 - Cable ducts to be sealed with 'RISE' sealant.
 - All structural calculations to be completed by structural engineer. APS have no involvement with the design of wet well cover and base slab.
 - 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.
 - Pumps, floats and electrical equipment are Non-EX rated.
 - All fittings are to be stainless steel.
 - The pumps are to be labelled 'Pump 1' & 'Pump 2'.
 - All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance and IWNL Specification.
 - 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: **Foul Water Pump Station to Design and Construction Guidance / IWNL Specification**
- Elevation Section View

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

Contractor: **Homes by Honey Ltd**

Consulting Engineer: **Eastwood & Partners Ltd**

Works Order Number: **9684**

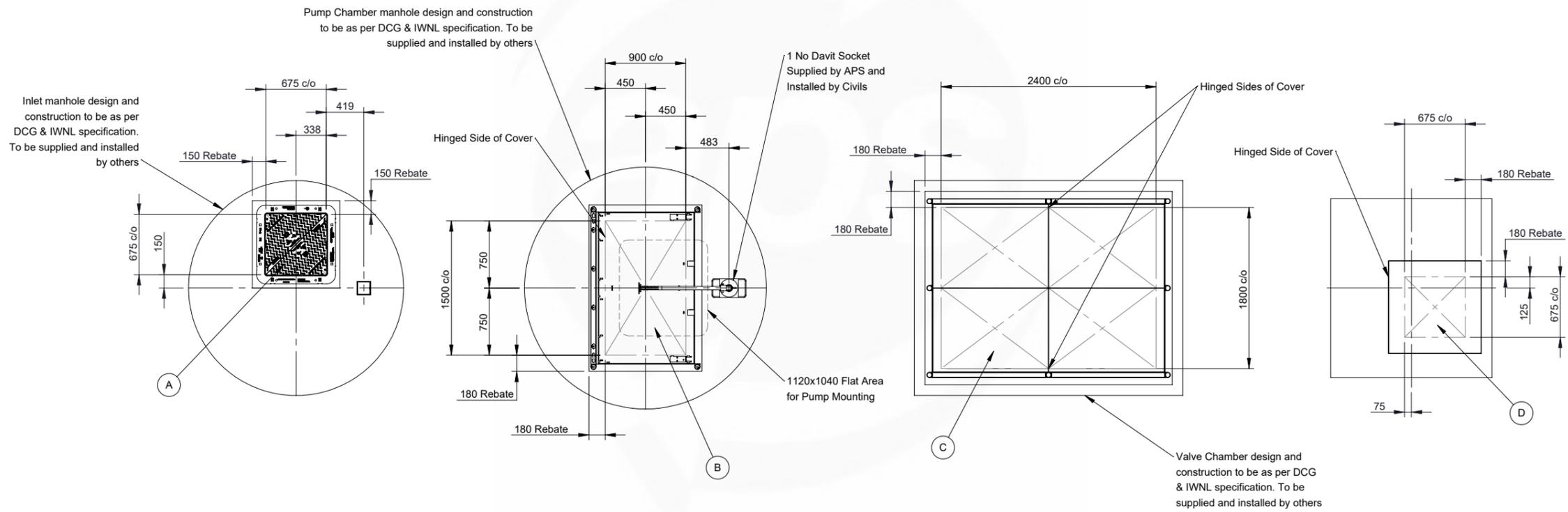
Size:	Scale:	Drawn:	Checked:	Approved:
A3	1:60	GR	CW	CW

Drawing Number: **EQ5522-152460-200** Date: **11/10/2023**

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

COVER DETAIL

COVER	CHAMBER	DESCRIPTION
A	INLET CHAMBER	1 No 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 2400mm 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: _____

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

- All works to be carried out in accordance with Design and Construction Guidance and IWNL Specification.
- All Civils works to be completed by Civil contractor.
- Box outs to be filled and made good by civil contractor once pipework has been installed.
- All dimensions in mm unless otherwise stated.
- Benching to be completed after APS installation.
- Cable ducts to be installed by civil contractor complete with draw-cords. Specific sizes shown within drawing detail.
- Cable ducts to be sealed with 'RISE' sealant.
- All structural calculations to be completed by structural engineer. APS have no involvement with the design of wet well cover and base slab.
- 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.
- Pumps, floats and electrical equipment are Non-EX rated.
- All fittings are to be stainless steel.
- The pumps are to be labelled 'Pump 1' & 'Pump 2'.
- All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance and IWNL Specification.
- 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: Foul Water Pump Station to Design and Construction Guidance / IWNL Specification - Cover Detail

Contract: Barnburgh Lane, Rotherham (FW)

Contractor: Homes by Honey Ltd

Consulting Engineer: Eastwood & Partners Ltd

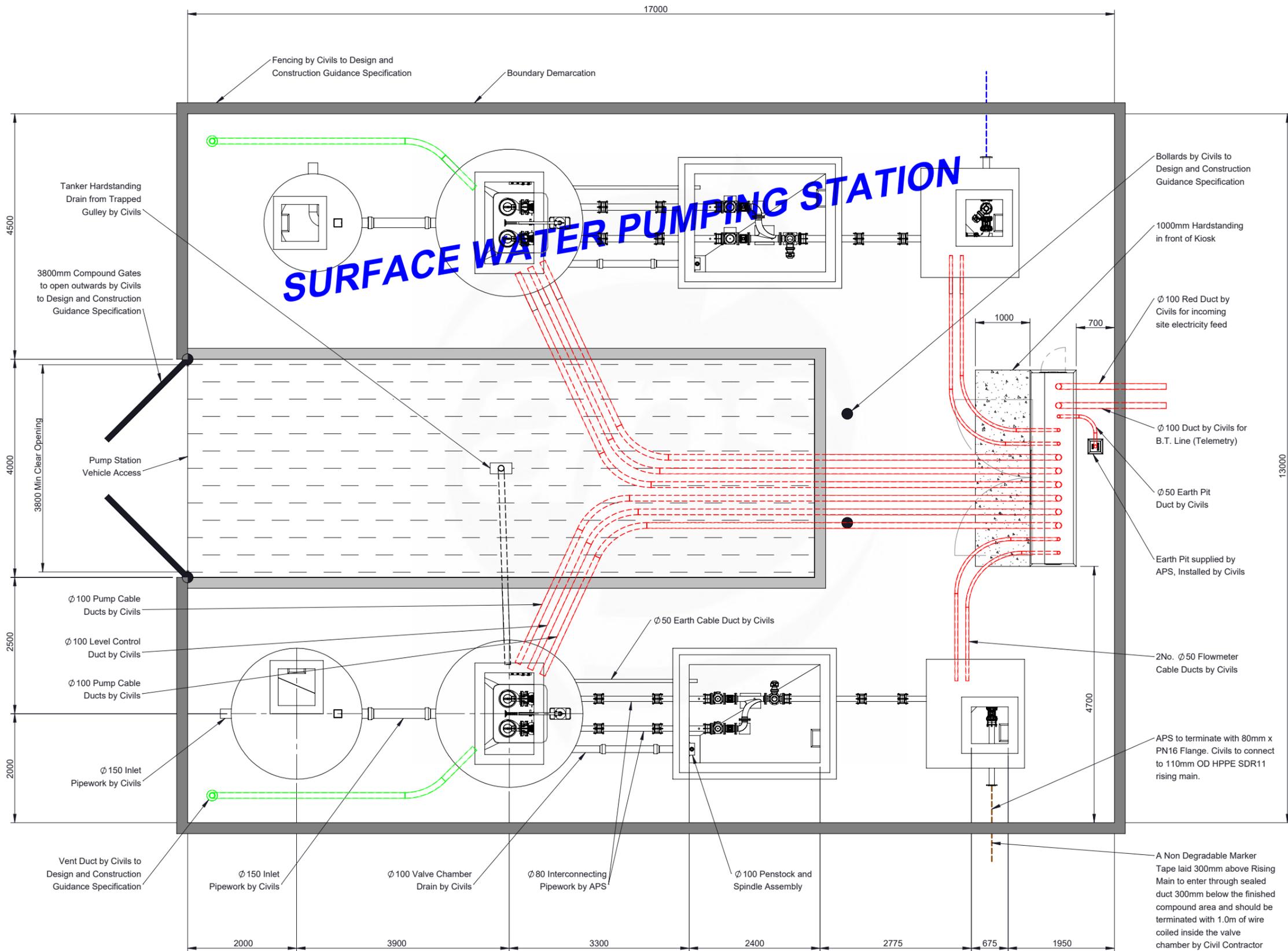
Works Order Number: 9684

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



SURFACE WATER PUMPING STATION

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

1. All works to be carried out in accordance with Design and Construction Guidance and IWNL Specification.
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.
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: **Foul Water Pump Station to Design and Construction Guidance / IWNL Specification - Site Layout**

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

Contractor: **Homes by Honey Ltd**

Consulting Engineer: **Eastwood & Partners Ltd**

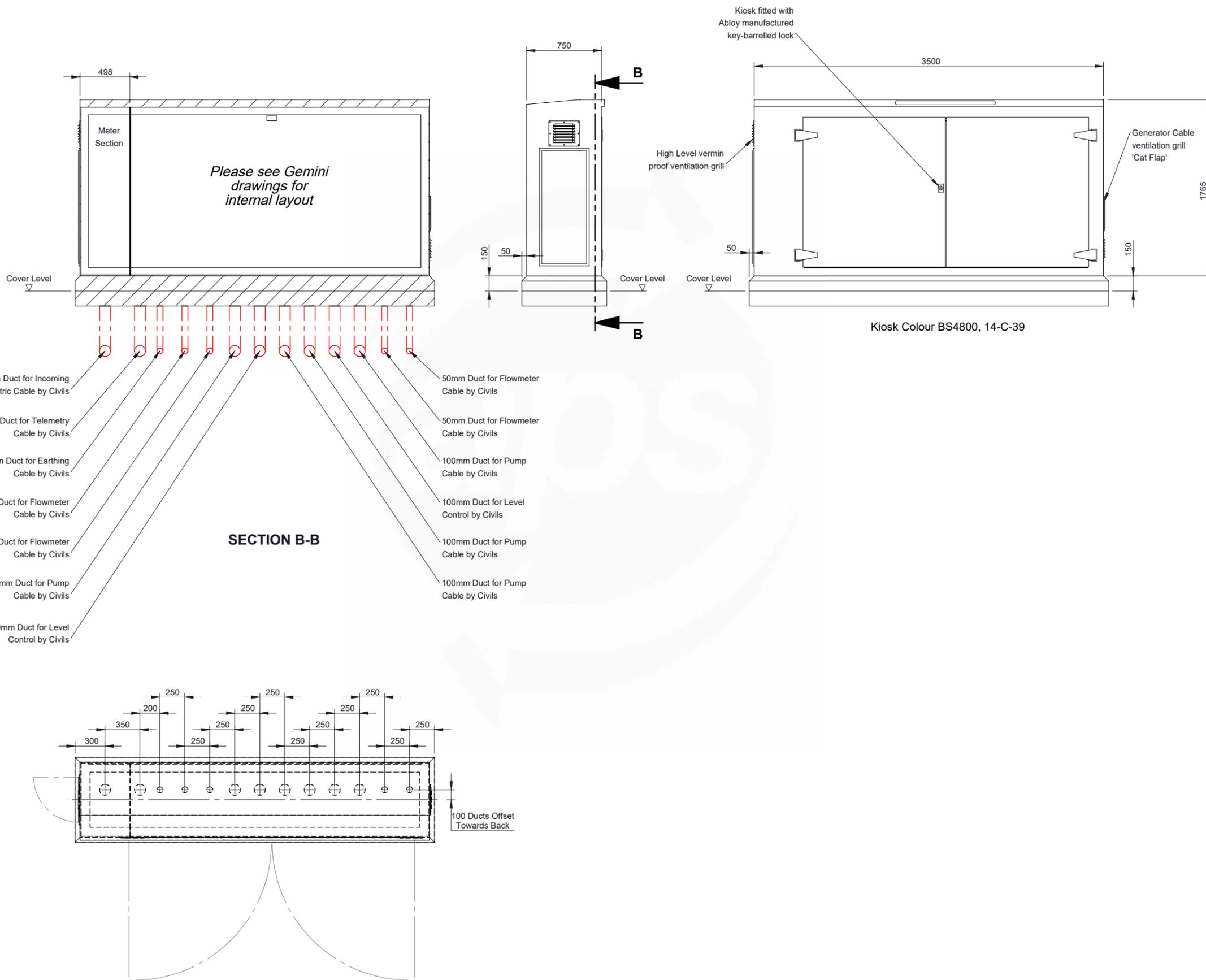
Works Order Number: **9684**

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:

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

1. All works to be carried out in accordance with Design and Construction Guidance and IWNL Specification.
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.
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: **Foul Water Pump Station to Design and Construction Guidance / IWNL Specification - Kiosk Detail**

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

Contractor: **Homes by Honey Ltd**

Consulting Engineer: **Eastwood & Partners Ltd**

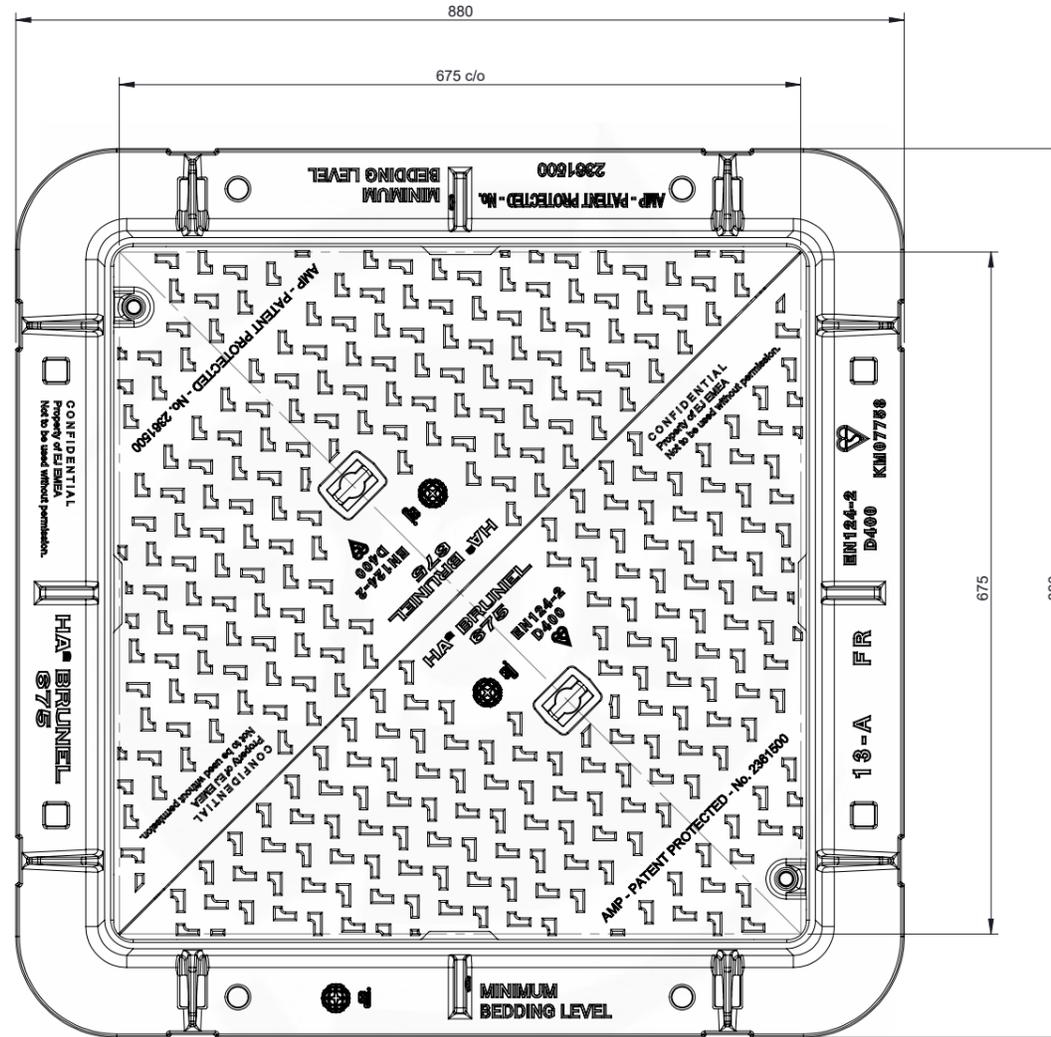
Works Order Number: **9684**

Size:	Scale:	Drawn:	Checked:	Approved:
A3	1:40	GR	CW	CW

Drawing Number: **EQ5522-152460-500** Date: **11/10/2023**

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

INLET CHAMBER ACCESS COVER



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

1. All works to be carried out in accordance with Design and Construction Guidance and IWNL Specification.
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.
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: **Foul Water Pump Station to Design and Construction Guidance / IWNL Specification - Inlet Chamber Access Cover**

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

Contractor: **Homes by Honey Ltd**

Consulting Engineer: **Eastwood & Partners Ltd**

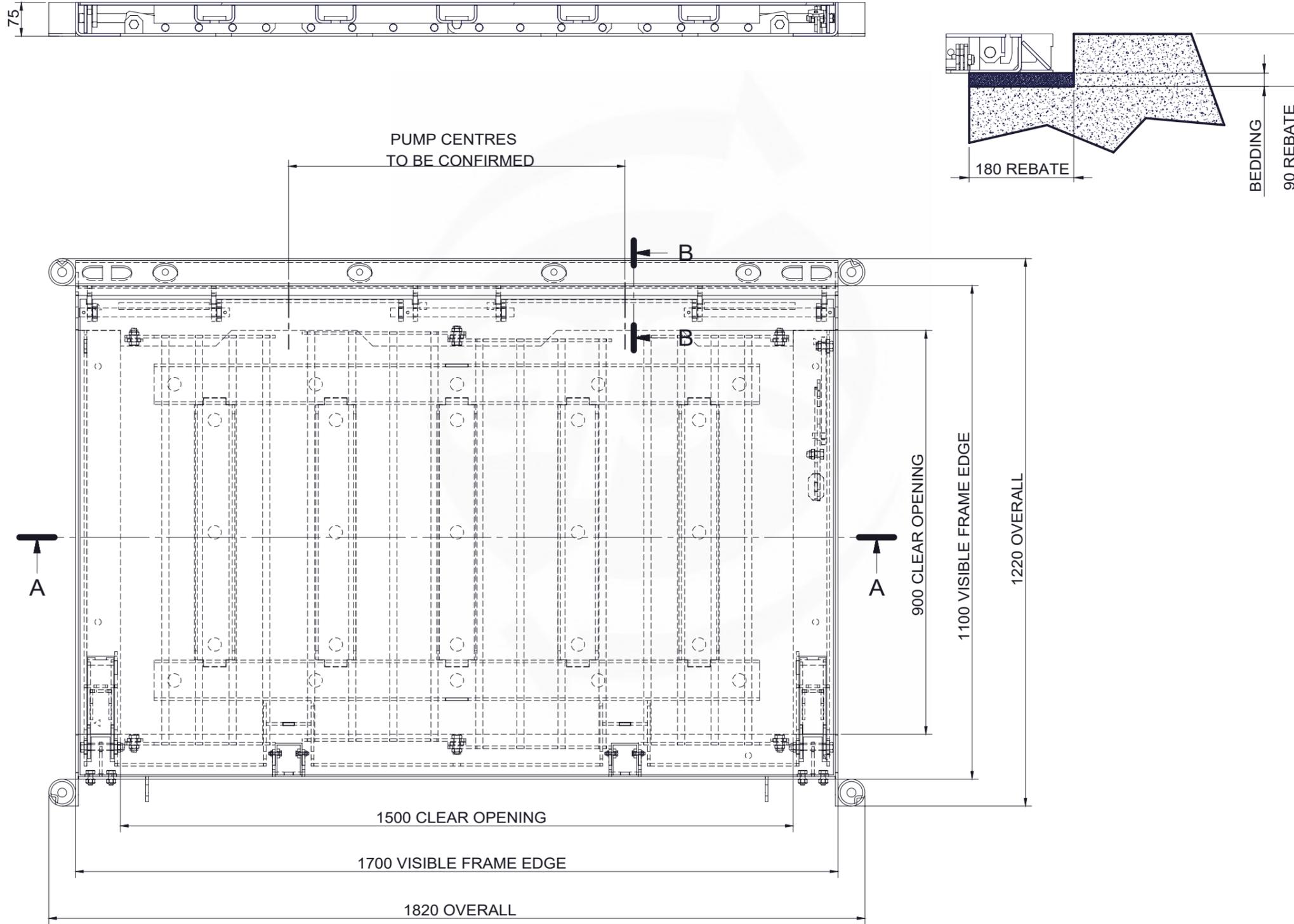
Works Order Number: **9684**

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

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

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

PUMP CHAMBER ACCESS COVER



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

1. All works to be carried out in accordance with Design and Construction Guidance and IWNL Specification.
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.
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: **Foul Water Pump Station to Design and Construction Guidance / IWNL Specification - Pump Chamber Cover**

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

Contractor: **Homes by Honey Ltd**

Consulting Engineer: **Eastwood & Partners Ltd**

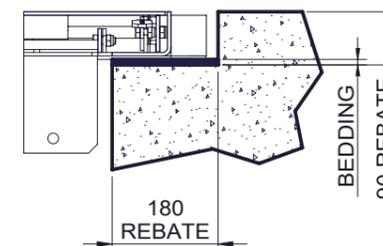
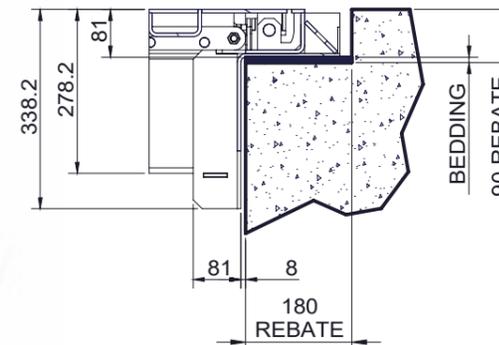
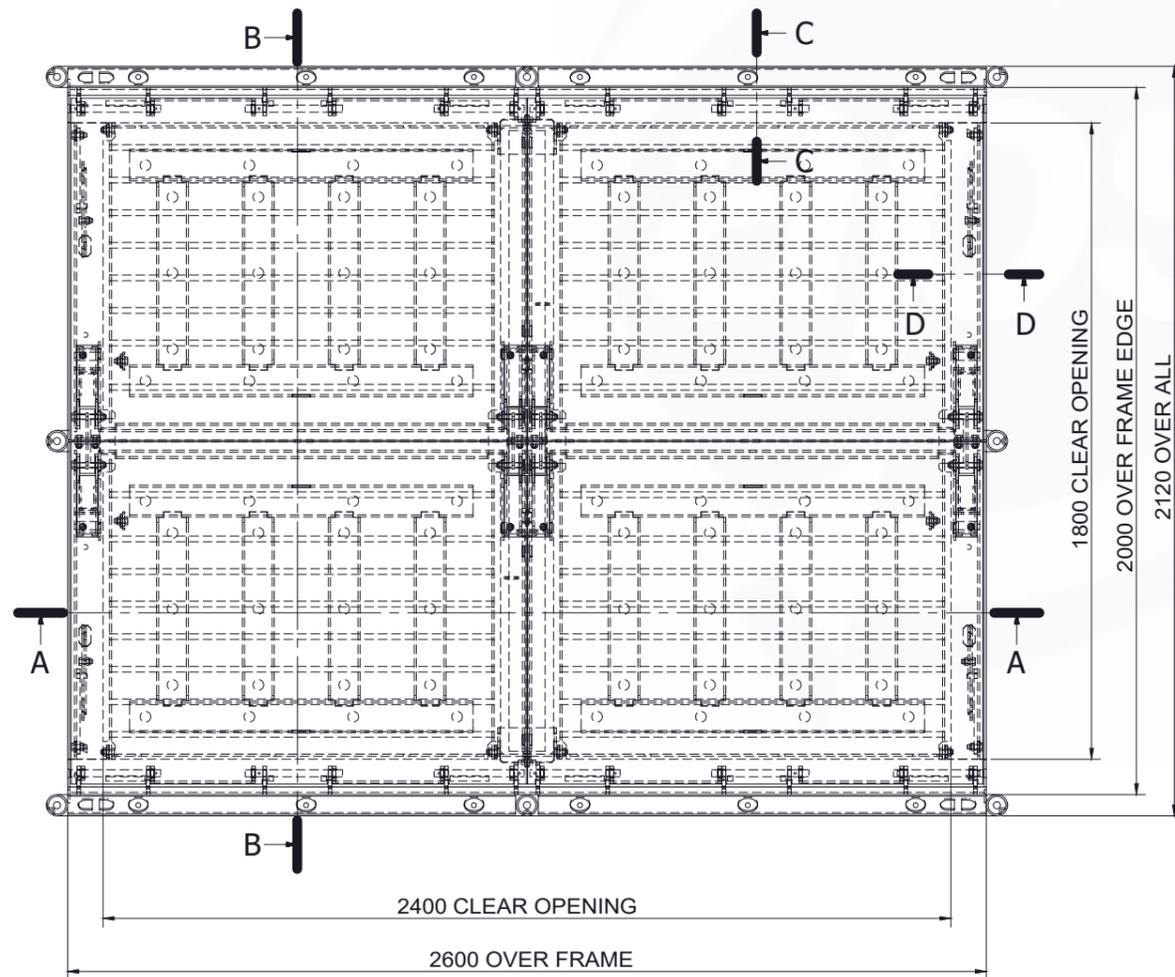
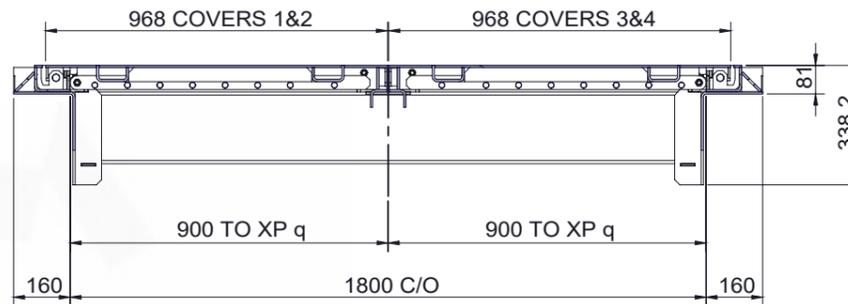
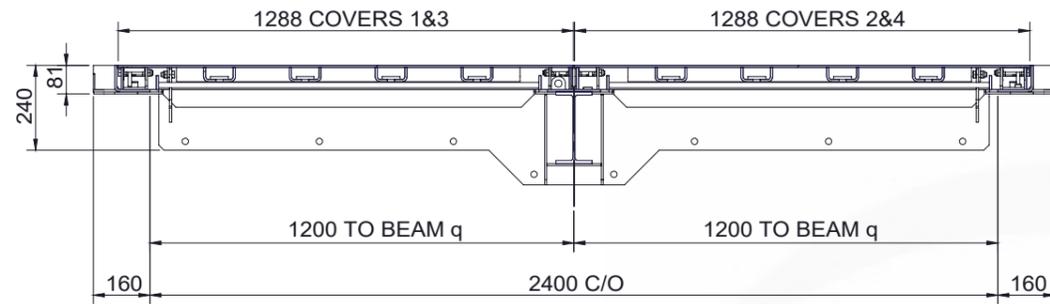
Works Order Number: **9684**

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

Drawing Number: **EQ5522-152460-700** Date: **11/10/2023**

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

VALVE CHAMBER ACCESS COVER



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

- All works to be carried out in accordance with Design and Construction Guidance and IWNL Specification.
- All Civils works to be completed by Civil contractor.
- Box outs to be filled and made good by civil contractor once pipework has been installed.
- All dimensions in mm unless otherwise stated.
- Benching to be completed after APS installation.
- Cable ducts to be installed by civil contractor complete with draw-cords. Specific sizes shown within drawing detail.
- Cable ducts to be sealed with 'RISE' sealant.
- All structural calculations to be completed by structural engineer. APS have no involvement with the design of wet well cover and base slab.
- 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.
- Pumps, floats and electrical equipment are Non-EX rated.
- All fittings are to be stainless steel.
- The pumps are to be labelled 'Pump 1' & 'Pump 2'.
- All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance and IWNL Specification.
- 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: **Foul Water Pump Station to Design and Construction Guidance / IWNL Specification**
 - Valve Chamber Cover

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

Contractor: **Homes by Honey Ltd**

Consulting Engineer: **Eastwood & Partners Ltd**

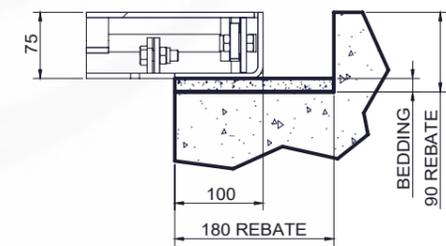
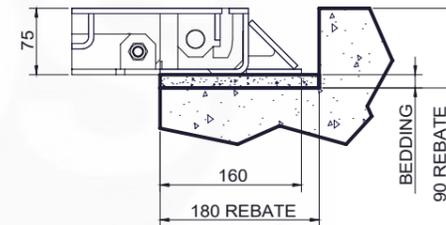
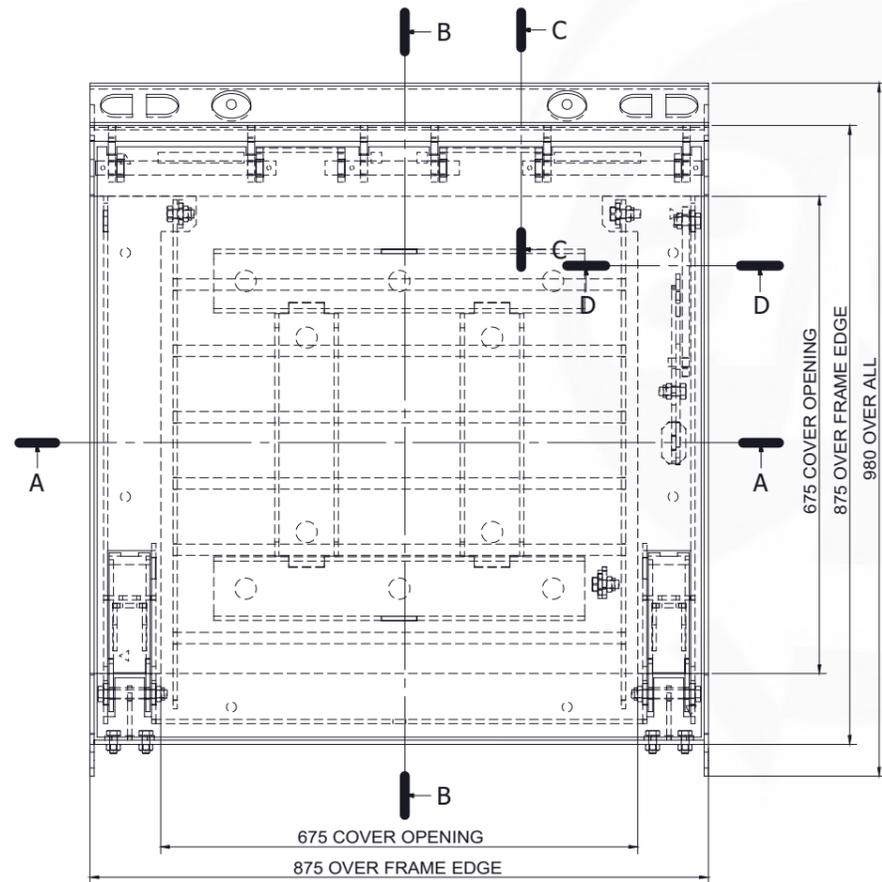
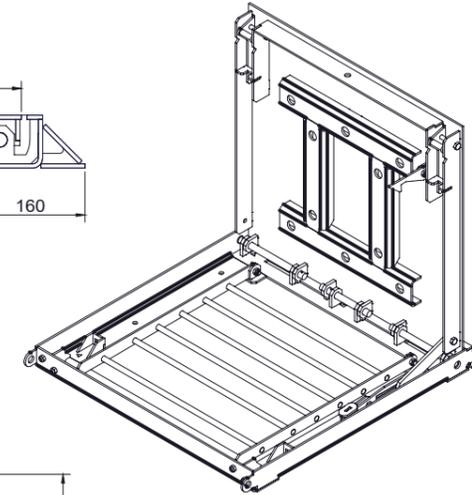
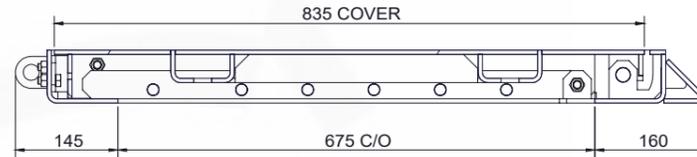
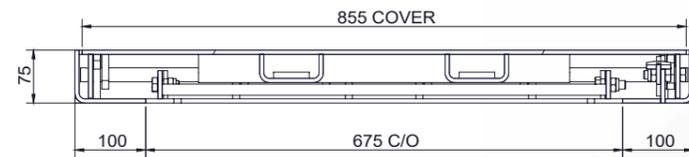
Works Order Number: **9684**

Size:	Scale:	Drawn:	Checked:	Approved:
A3	1:20	GR	CW	CW

Drawing Number: **EQ5522-152460-800** Date: **11/10/2023**

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

FLOWMETER CHAMBER ACCESS COVER



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

1. All works to be carried out in accordance with Design and Construction Guidance and IWNL Specification.
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.
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



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

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

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: **EQ5522-152460-900** Date: **11/10/2023**

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