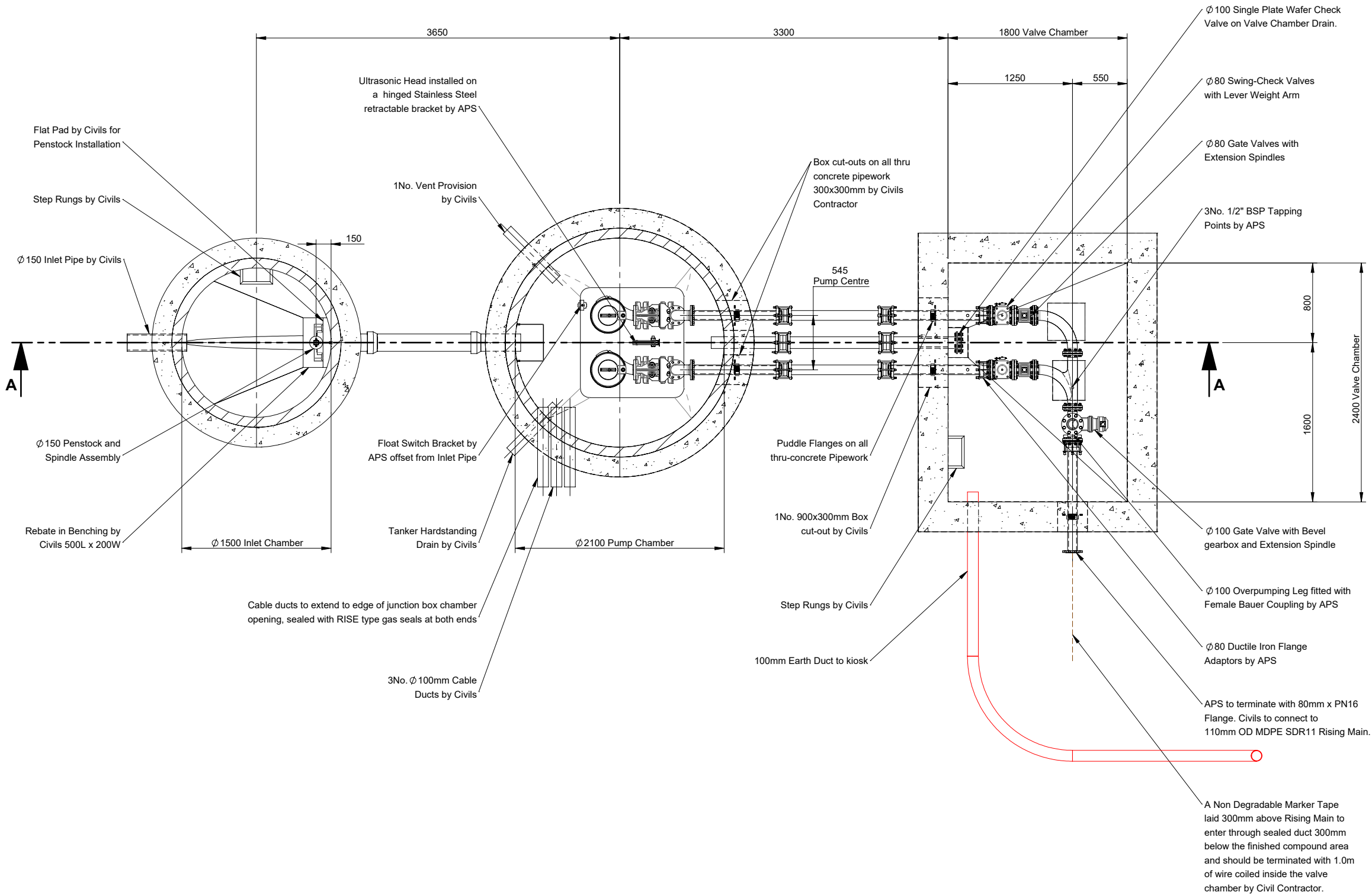


SECTIONAL PLAN VIEW



Approved by:

Date:

Signed:

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Notes

1. All works to be carried out in accordance with Design and Construction Guidance as amended by the UU Addendum.
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 by APS at kiosk and field ends only.
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. Flow calculations based on 110mm OD MDPE SDR11 Rising Main.
10. Pumps are Non-EX rated as a result of the Atex risk assessment.
11. All Electrical Equipment is Non-EX rated as a result of the Atex risk assessment.
12. All fittings are to be stainless steel.
13. The pumps are to be labelled 'Pump1' & 'Pump2'.
14. All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance as amended by the UU Addendum.
15. All fixing bolts into concrete to be stainless steel.

A	Drawing for Approval	08/06/2023	GR
Issue:	Description:	Date:	Auth:



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

all pump solutions
FLUID EXPERTISE

Title: **Supply and Installation of all Pipework, Valves and Pump related fittings from the Inlet chamber into the Pumping Station, right through to the discharge from the valve chamber - Sectional Plan View**

Contract: **Land edged red Hollingworth Road, Littleborough, Rochdale**

Contractor: **Countryside Partnership (Yorkshire)**

Consulting Engineer: **Eastwood & Partners Ltd**

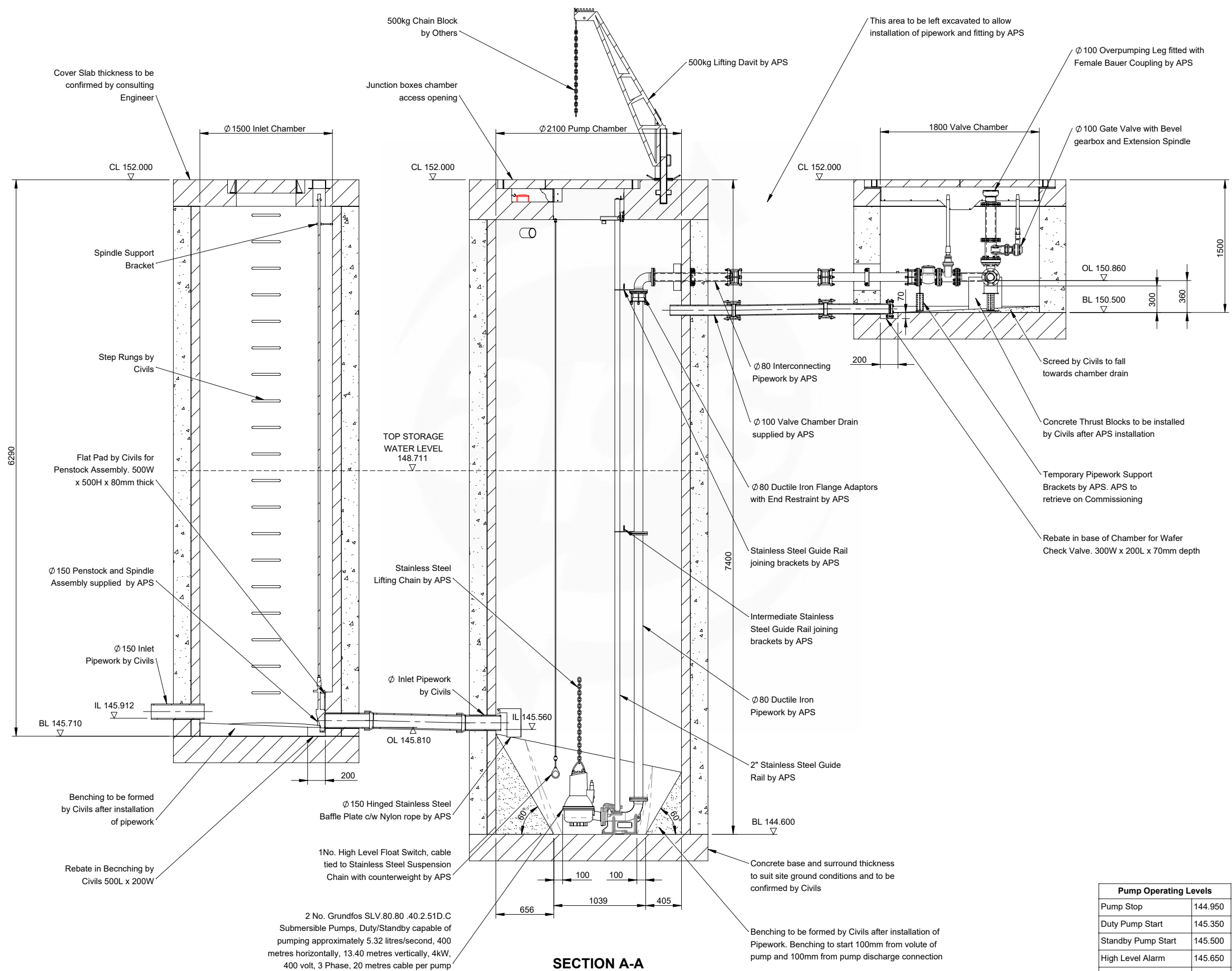
Works Order Number: **WO9238**

Size:	Scale:	Drawn:	Checked:	Approved:
A3	1:45	GR	CW	CW

Drawing Number: **EQ5533-152469-100** Date: **08/06/2023**

Internal Reference: **APS 5533** Issue: **A**

ELEVATION SECTION VIEW



SECTION A-A

Pump Operating Levels	
Pump Stop	144.950
Duty Pump Start	145.350
Standby Pump Start	145.500
High Level Alarm	145.650
Duty Point	145.150

Approved by:

Date:

Signed:

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- Flow calculations based on 110mm OD MDPE SDR11 Rising Main.
- Pumps are Non-EX rated as a result of the Atex risk assessment.
- All Electrical Equipment is Non-EX rated as a result of the Atex risk assessment.
- All fittings are to be stainless steel.
- The pumps are to be labelled 'Pump1' & 'Pump2'.
- All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance as amended by the UU Addendum.
- All fixing bolts into concrete to be stainless steel.

A	Drawing for Approval	08/06/2023	GR
Issue:	Description:	Date:	Auth:



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

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FLUID EXPERTISE

Title: **Supply and Installation of all Pipework, Valves and Pump related fittings from the Inlet chamber into the Pumping Station, right through to the discharge from the valve chamber - Elevation Section View**

Contract: **Land edged red Hollingworth Road, Littleborough, Rochdale**

Contractor: **Countryside Partnership (Yorkshire)**

Consulting Engineer: **Eastwood & Partners Ltd**

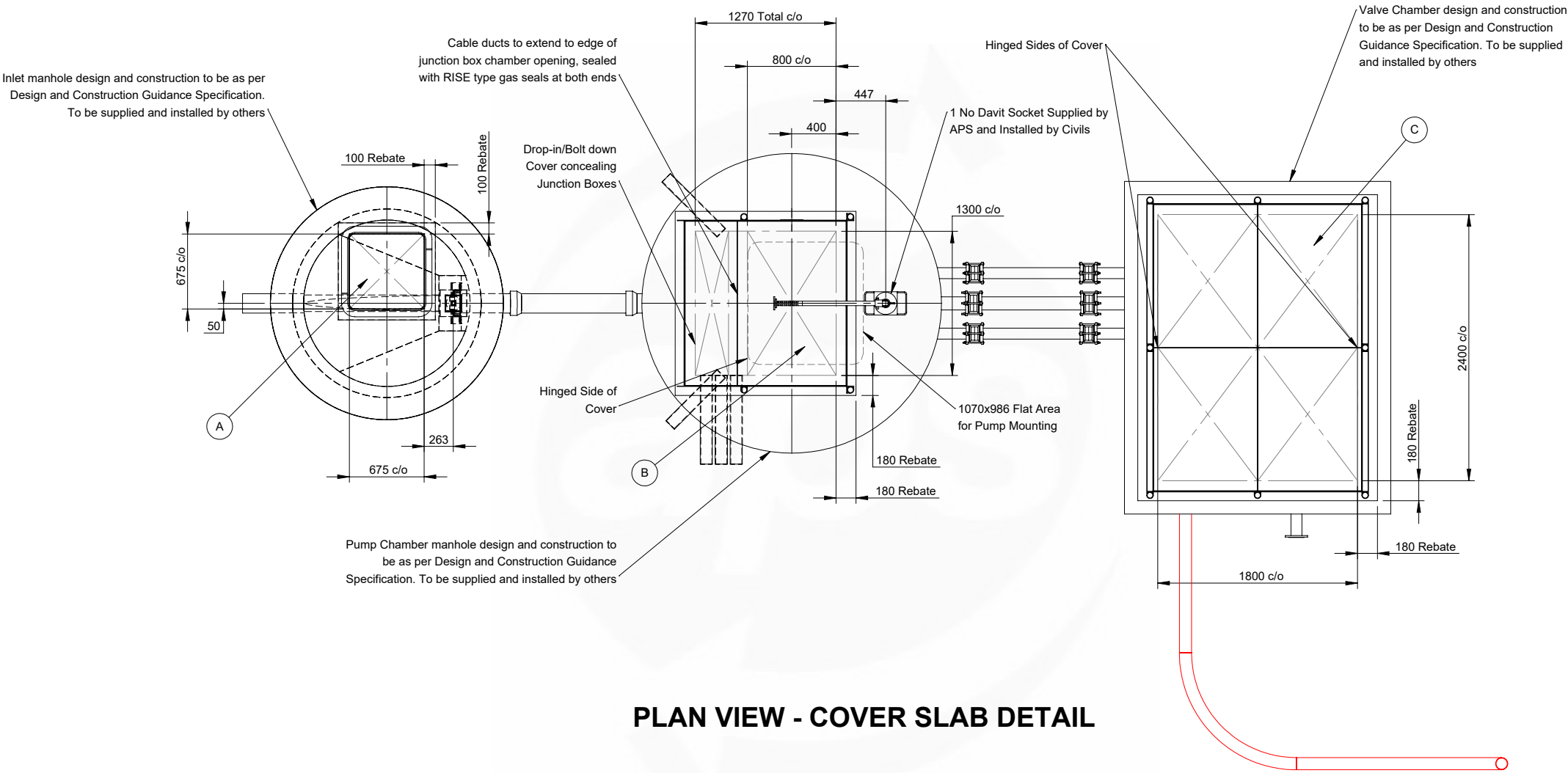
Works Order Number: **WO9238**

Size:	Scale:	Drawn:	Checked:	Approved:
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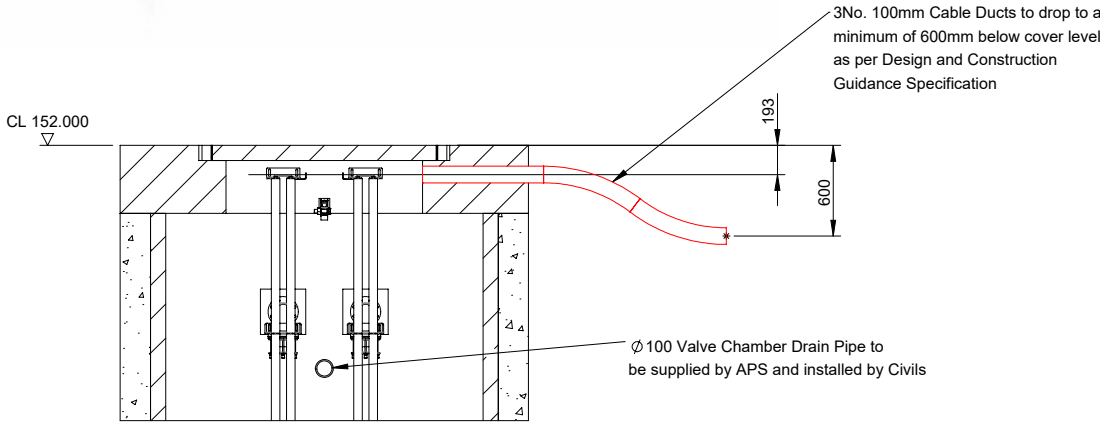
Drawing Number: **EQ5533-152469-200** Date: **08/06/2023**

Internal Reference: **APS 5533** Issue: **A**

COVER	CHAMBER	DESCRIPTION
A	INLET CHAMBER	1 No. Inlet Chamber 675mm x 675mm D400 Ductile Iron Solid Access Cover and Frame (Double Triangle)
B	PUMP CHAMBER	1 no. 1300mm x 1270mm clear opening Stamp-Lock Prolift, mild steel hinged access cover and frame. 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, "Teagle" (pump through) safety grid or 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.



PLAN VIEW - COVER SLAB DETAIL



PUMP CABLE DUCT DETAIL

Approved by:

Date:

Signed:

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7. Cable ducts to be sealed with 'Rise' sealant by APS at kiosk and field ends only.

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. Flow calculations based on 110mm OD MDPE SDR11 Rising Main.

10. Pumps are Non-EX rated as a result of the Atex risk assessment.

11. All Electrical Equipment is Non-EX rated as a result of the Atex risk assessment.

12. All fittings are to be stainless steel.

13. The pumps are to be labelled 'Pump1' & 'Pump2'.

14. All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance as amended by the UU Addendum.

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

A

Drawing for Approval

08/06/2023

GR

Issue: Description: Date: Auth:

aps

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

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FLUID EXPERTISE

Title: Supply and Installation of all Pipework, Valves and Pump related fittings from the Inlet chamber into the Pumping Station, right through to the discharge from the valve chamber - Cover Detail

Contract: Land edged red Hollingworth Road, Littleborough, Rochdale

Contractor: Countryside Partnership (Yorkshire)

Consulting Engineer: Eastwood & Partners Ltd

Works Order Number: WO9238

Size: A3

Scale: 1:50

Drawn: GR

Checked: CW

Approved: CW

Drawing Number: EQ5533-152469-300

Date: 08/06/2023

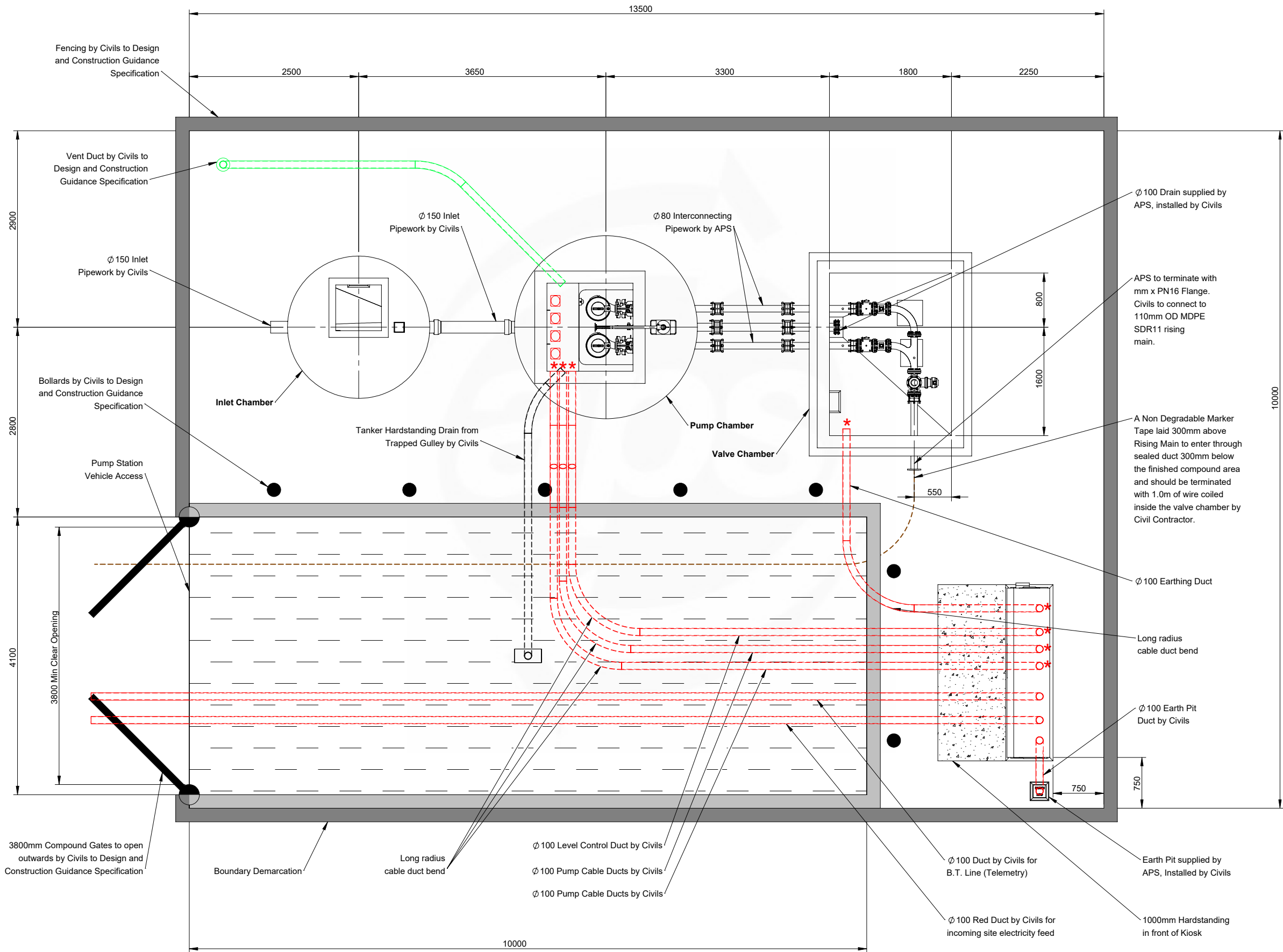
Internal Reference: APS 5533

Issue: A

SITE LAYOUT

NOTE: Cable Ducts to be gas sealed with 'Rise' type Sealant by APS in Junction Box compartment and in Kiosk.

Gas seals to be fitted at all locations marked with *



Approved by:

Date:

Signed:

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

A	Drawing for Approval	08/06/2023	GR
Issue:	Description:	Date:	Auth:

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

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FLUID EXPERTISE

Title: Supply and Installation of all Pipework, Valves and Pump related fittings from the Inlet chamber into the Pumping Station, right through to the discharge from the valve chamber - Site Layout

Contract: Land edged red Hollingworth Road, Littleborough, Rochdale

Contractor: Countryside Partnership (Yorkshire)

Consulting Engineer: Eastwood & Partners Ltd

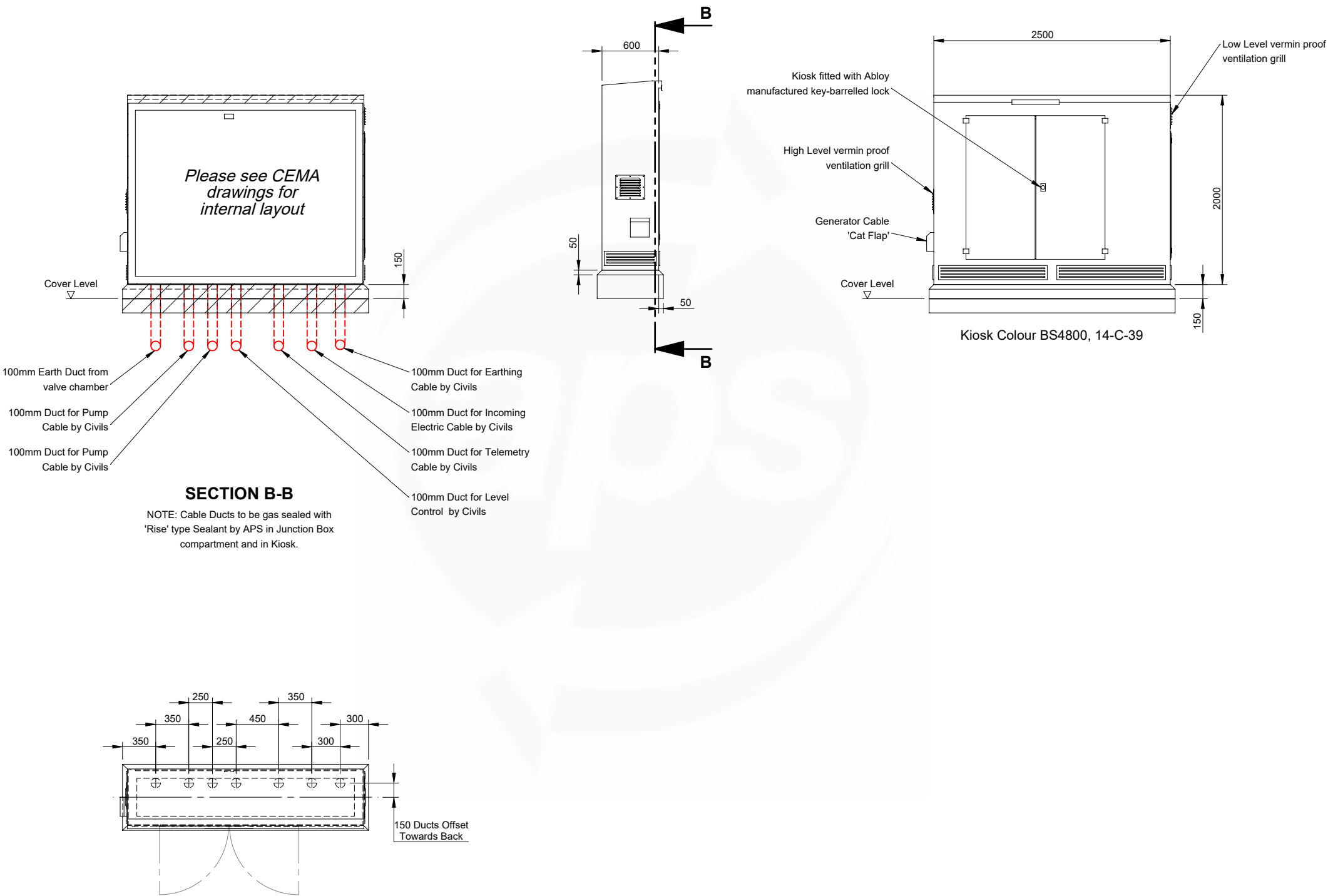
Works Order Number: WO9238

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

Drawing Number: EQ5533-152469-400 Date: 08/06/2023

Internal Reference: APS 5533 Issue: A

MCC KIOSK



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Date:	Signed:
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Notes	
1. All works to be carried out in accordance with Design and Construction Guidance as amended by the UU Addendum.	
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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6. Cable ducts to be installed by civil contractor complete with draw-cords. Specific sizes shown within drawing detail.	
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9. Flow calculations based on 110mm OD MDPE SDR11 Rising Main.	
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14. All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance as amended by the UU Addendum.	
15. All fixing bolts into concrete to be stainless steel.	

A	Drawing for Approval	08/06/2023	GR
Issue:	Description:	Date:	Auth:



Tel: 01743465463

Fax:01743452050

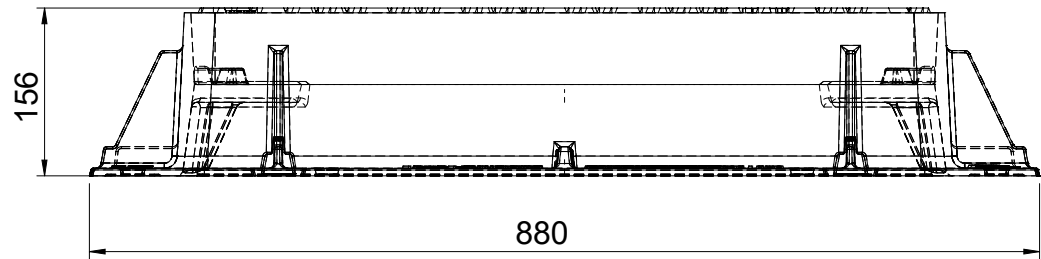
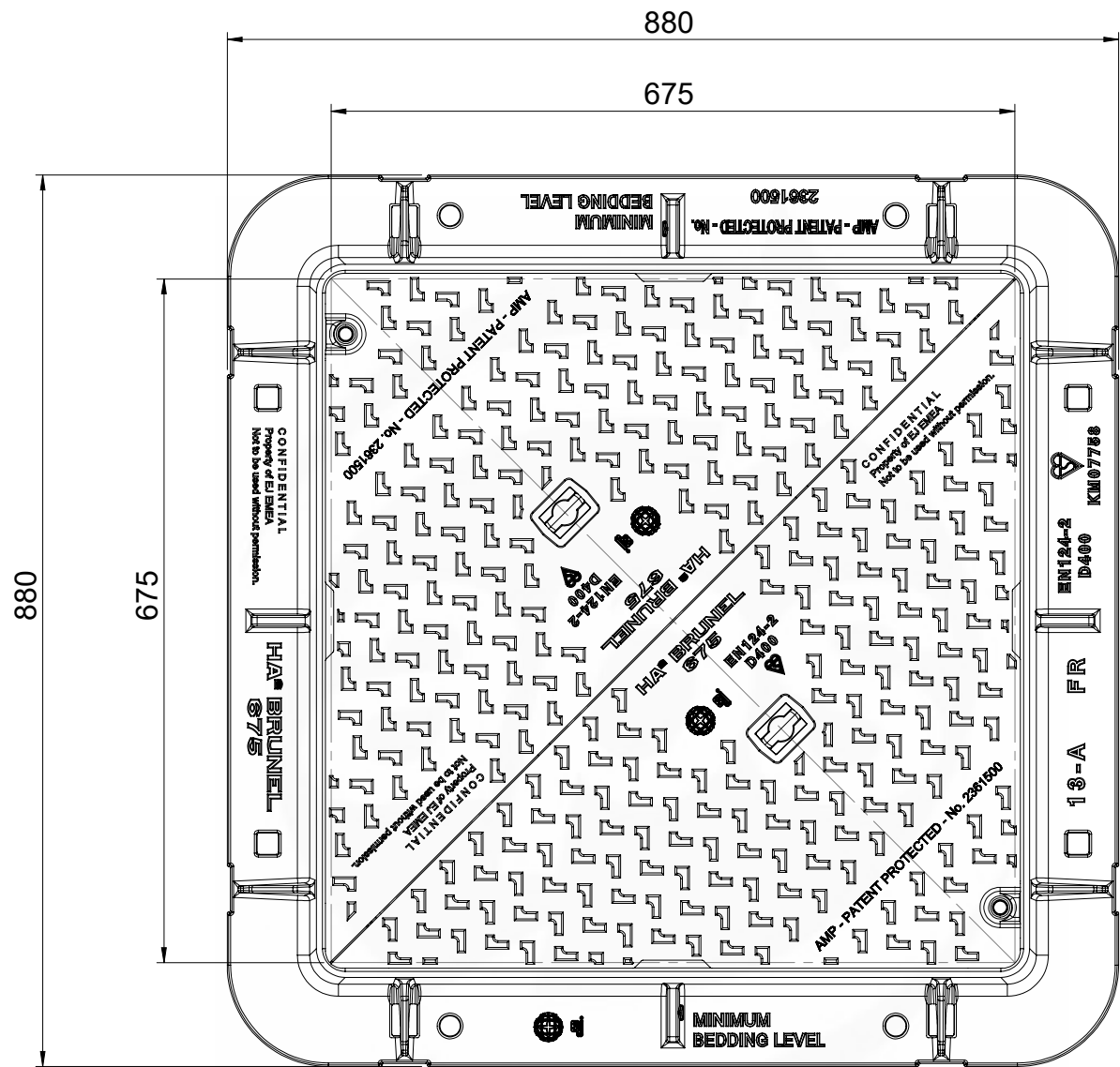
Email: sales@allpumpsolutions.com

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FLUID EXPERTISE

Title: Supply and Installation of all Pipework, Valves and Pump related fittings from the Inlet chamber into the Pumping Station, right through to the discharge from the valve chamber - Kiosk Detail				
Contract: Land edged red Hollingworth Road, Littleborough, Rochdale				
Contractor: Countryside Partnership (Yorkshire)				
Consulting Engineer: Eastwood & Partners Ltd				
Works Order Number: WO9238				
Size: A3	Scale: 1:50	Drawn: GR	Checked: CW	Approved: CW
Drawing Number: EQ5533-152469-500			Date: 08/06/2023	
Internal Reference: APS 5533				Issue: A

INLET CHAMBER ACCESS COVER



Approved by:

Date:

Signed:

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Notes

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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. Flow calculations based on 110mm OD MDPE SDR11 Rising Main.

10. Pumps are Non-EX rated as a result of the Atex risk assessment.

11. All Electrical Equipment is Non-EX rated as a result of the Atex risk assessment.

12. All fittings are to be stainless steel.

13. The pumps are to be labelled 'Pump1' & 'Pump2'.

14. All Equipment within wet well and valve chamber to be earth bonded by APS in accordance with Design and Construction Guidance as amended by the UU Addendum.

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

A

Drawing for Approval

08/06/2023

GR

Issue:

Description:

Date:

Auth:

aps

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FLUID EXPERTISE

Tel: 01743465463

Fax:01743452050

Email: sales@allpumpsolutions.com

Title: Supply and Installation of all Pipework, Valves and Pump related fittings from the Inlet chamber into the Pumping Station, right through to the discharge from the valve chamber
- Inlet Chamber Access Cover

Contract: Land edged red Hollingworth Road, Littleborough, Rochdale

Contractor: Countryside Partnership (Yorkshire)

Consulting Engineer: Eastwood & Partners Ltd

Works Order Number: WO9238

Size: A3

Scale: 1:7

Drawn: GR

Checked: CW

Approved: CW

Drawing Number: EQ5533-152469-600

Date: 08/06/2023

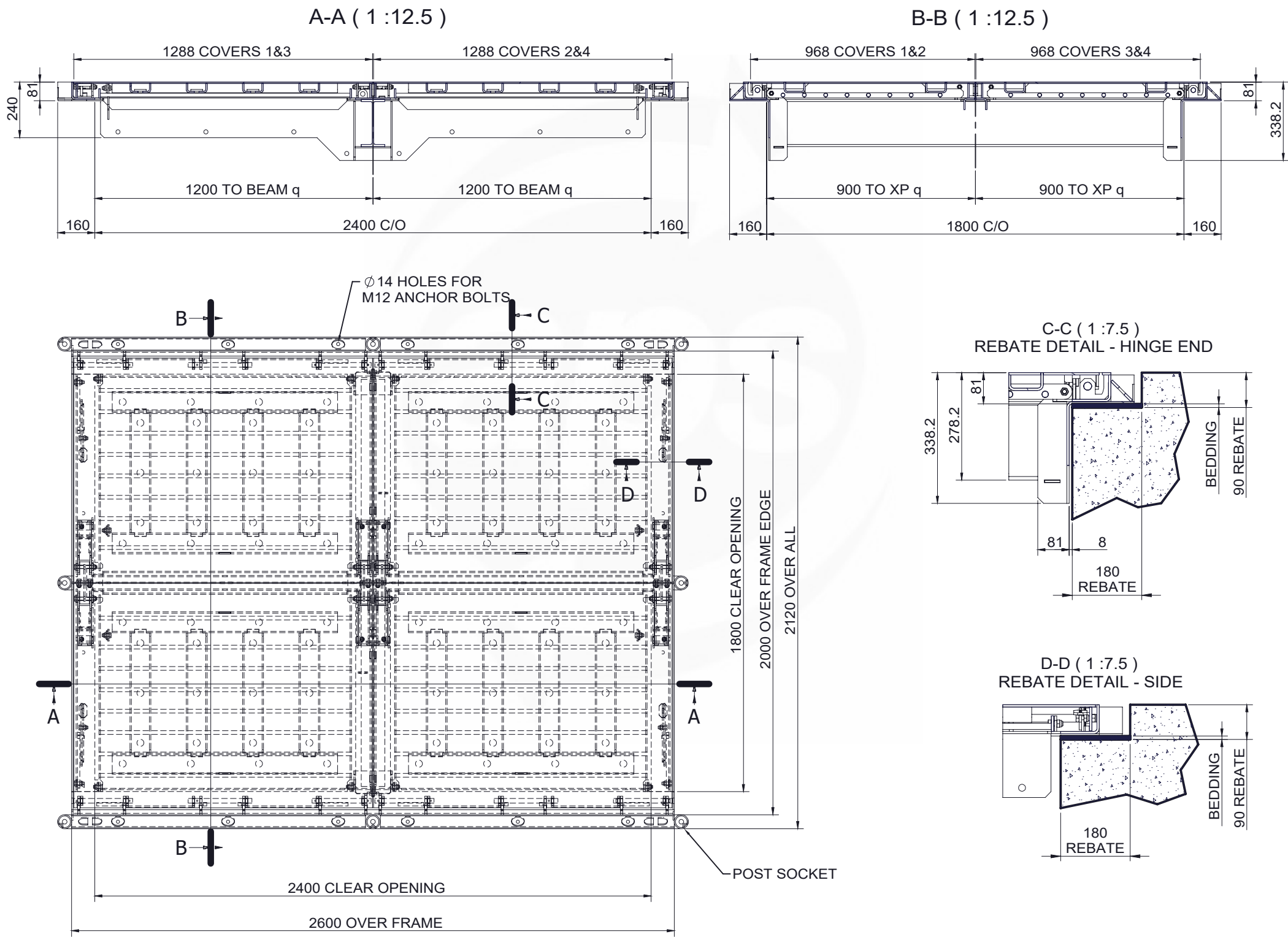
Internal Reference: APS 5533

Issue: A

Approved by:				
Date:		Signed:		
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15. All fixing bolts into concrete to be stainless steel.				
A	Drawing for Approval		08/06/2023	GR
Issue:	Description:		Date:	Auth:
Tel: 01743465463 Fax: 01743452050 Email: sales@allpumpsolutions.com all pump solutions FLUID EXPERTISE				
Title: Supply and Installation of all Pipework, Valves and Pump related fittings from the Inlet chamber into the Pumping Station, right through to the discharge from the valve chamber - Pump Chamber Cover				
Contract: Land edged red Hollingworth Road, Littleborough, Rochdale				
Contractor: Countryside Partnership (Yorkshire)				
Consulting Engineer: Eastwood & Partners Ltd				
Works Order Number: WO9238				
Size: A3	Scale: 1:15	Drawn: GR	Checked: CW	Approved: CW
Drawing Number: EQ5533-152469-700			Date: 08/06/2023	
Internal Reference: APS 5533				Issue: A



VALVE CHAMBER ACCESS COVER



Approved by:

Date:	Signed:
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15. All fixing bolts into concrete to be stainless steel.	

A	Drawing for Approval	08/06/2023	GR
Issue:	Description:	Date:	Auth:



Tel: 01743465463

Fax:01743452050

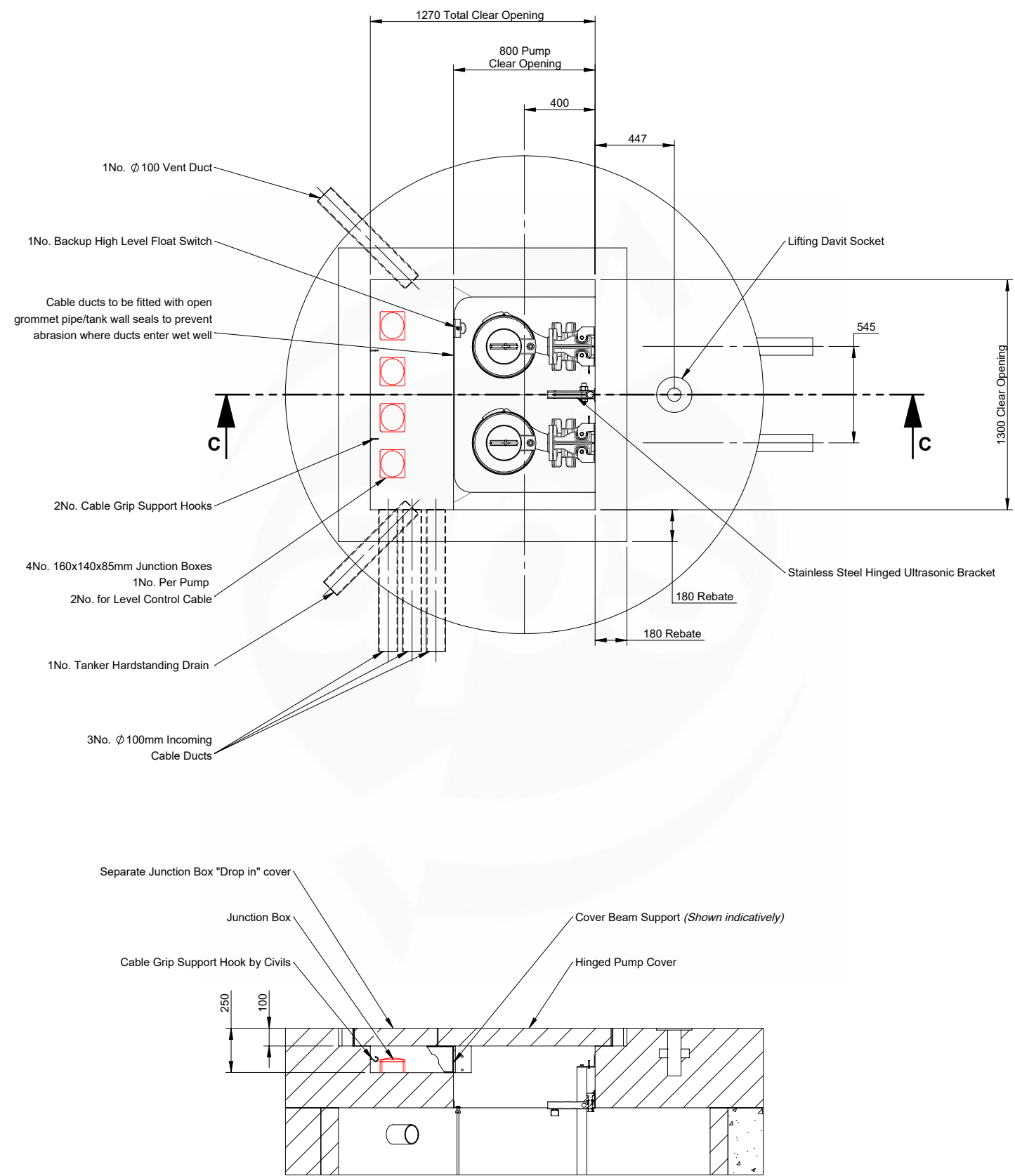
Email: sales@allpumpsolutions.com

all pump solutions

FLUID EXPERTISE

Title: Supply and Installation of all Pipework, Valves and Pump related fittings from the Inlet chamber into the Pumping Station, right through to the discharge from the valve chamber - Valve Chamber Cover			
Contract: Land edged red Hollingworth Road, Littleborough, Rochdale			
Contractor: Countryside Partnership (Yorkshire)			
Consulting Engineer: Eastwood & Partners Ltd			
Works Order Number: WO9238			
Size: A3	Scale: 1:50	Drawn: GR	Checked: CW
Drawing Number: EQ5533-152469-800		Date: 08/06/2023	
Internal Reference: APS 5533			Issue: A

JUNCTION BOX INSTALLATION DETAIL



SECTION C-C

Approved by:

Date:

Signed:

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A

Drawing for Approval

08/06/2023

GR

Issue:

Description:

Date:

Auth:

aps

all pump solutions

FLUID EXPERTISE

Tel: 01743465463

Fax:01743452050

Email: sales@allpumpsolutions.com

Title:

Supply and Installation of all Pipework, Valves and Pump related fittings from the Inlet chamber into the Pumping Station, right through to the discharge from the valve chamber - Junction Box Detail

Contract:

Land edged red Hollingworth Road, Littleborough, Rochdale

Contractor:

Countryside Partnership (Yorkshire)

Consulting Engineer:

Eastwood & Partners Ltd

Works Order Number:

WO9238

Size:

A3

Scale:

1:30

Drawn:

GR

Checked:

CW

Approved:

CW

Drawing Number:

EQ5533-152469-900

Date:

08/06/2023

Internal Reference:

APS 5533

Issue:

A