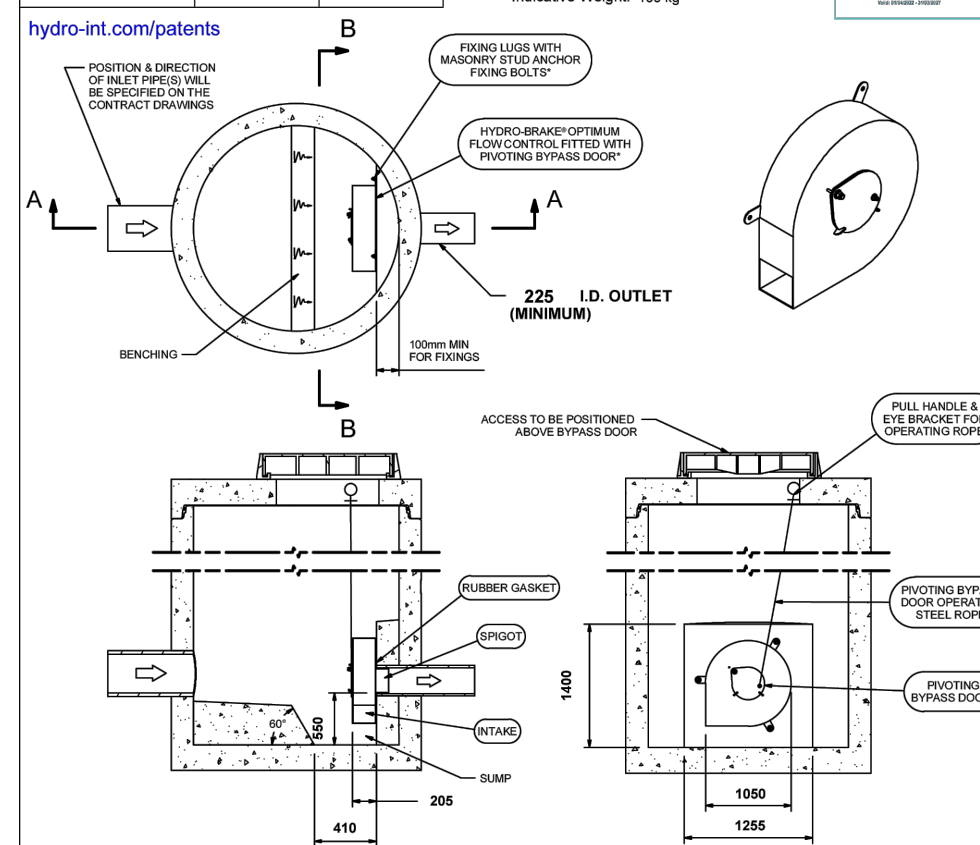


- 5 mm grade 304L stainless steel
- Integral stainless steel pivoting by-pass door allowing clear line of sight through to outlet, c/w stainless steel operating rope
- Beed blasted finish to maximise corrosion resistance
- Stainless steel fixings
- Rubber gasket to seal outlet
- Indicative Weight: 100 kg



SECTION A-A **SECTION B-B**

IMPORTANT:  LIMIT OF HYDRO INTERNATIONAL SUPPLY. THE DEVICE WILL BE HANDLED TO SUIT SITE CONDITIONS FOR SITE SPECIFIC DETAILS AND MINIMUM CHAMBER SIZE REFER TO HYDRO INTERNATIONAL. ALL CIVIL AND INSTALLATION WORK BY OTHERS.

* WHERE SUPPLIED

HYDRO-BRAKE® FLOW CONTROL, & HYDRO-BRAKE® OPTIMUM FLOW CONTROL ARE REGISTERED TRADEMARKS FOR FLOW CONTROLS DESIGNED AND MANUFACTURED EXCLUSIVELY BY HYDRO INTERNATIONAL.

THIS DESIGN LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE

DESIGN ADVICE  The headflow characteristics of this SHE-O197-2440-2350-2440 Hydro-Brake® Optimum Flow Control are unique. Dynamic hydraulic modeling evaluation has proven that the flow control will provide the best available flow rate. The use of any other flow control will invalidate any design based on this data and could result in a flood risk.	DATE: 30/10/2023 13:15 SITE: DINTING VALE - GLOSSOP DESIGNER: Nicholas Richards REF: WA125	SHE-O197-2440-2350-2440 Hydro-Brake® Optimum
---	--	--

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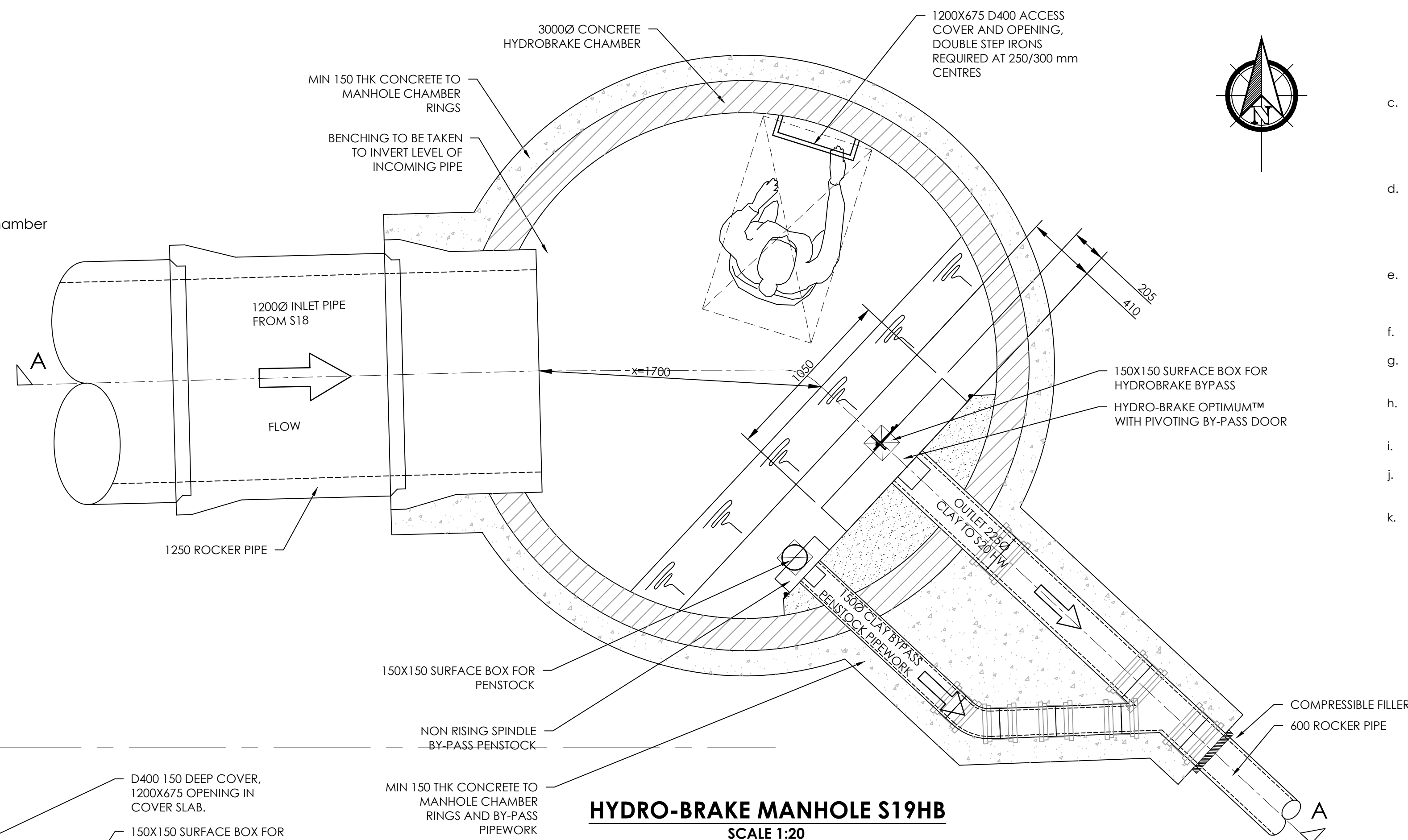
MANHOLE REF
COVER LEVEL
INVERT LEVEL
OUTGOING PIPE DIAMETER
DEPTH TO SOFFIT
DEPTH TO INVERT
MANHOLE TYPE
CHAMBER DIAMETER
OPENING SIZE
COVER & FRAME

ACCESS TYPE
MANHOLE CO-ORDINATES

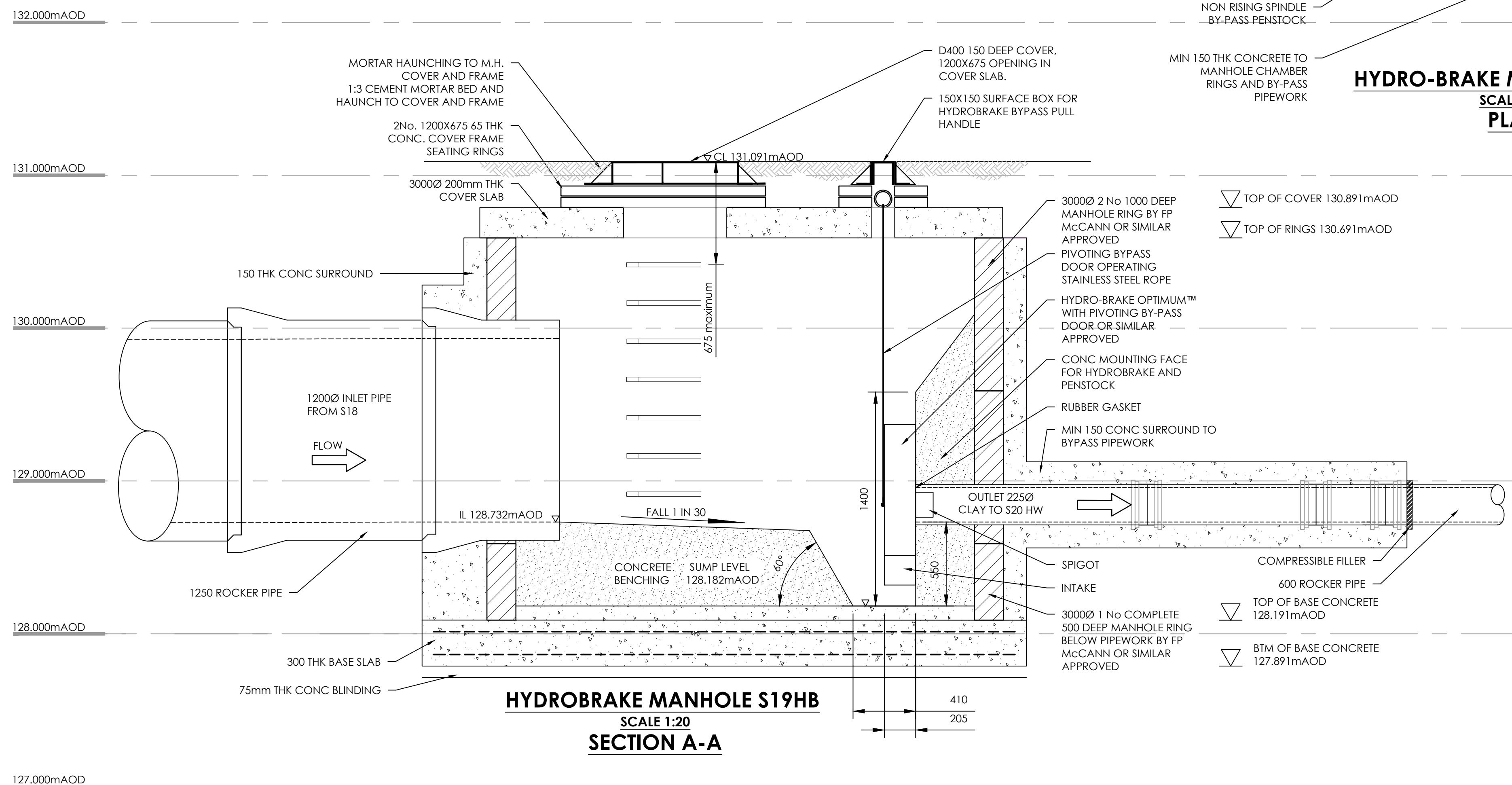
S19 Hydro-Brake Chamber
131.091mAO
128.732mAO
225mm
1.159m
2.359m
HYDROBRAKE
3000mm
1200mm x 675mm
1200mm x 675mm
x150mm deep
Double Step Irons
X = 402022.562E
Y = 394342.734N

HYDRO-BRAKE OPTIMUM™
WITH PIVOTING BY-PASS DOOR OR SIMILAR APPROVED

Technical Specification Criteria		
BBA Approved	Head (m)	Flow (L/s)
Design Point	2.350	24.40
PRODUCT ID CODE SHE-0197-2440-2350-2440		



HYDRO-BRAKE MANHOLE S19HB
SCALE 1:20
PLAN



HYDROBRAKE MANHOLE S19HB
SCALE 1:20
SECTION A-A

NOTE
DETAILS ON THIS DRAWING ARE SUBJECT
TECHNICAL APPROVALS

NOTES

- a. These 1:20 Manhole Construction Details are for construction purposes ONLY when approval has been obtained from the Statutory Undertaker.
- b. The co-ordinates indicated on these 1:20 Manhole Construction Details relate to the proposed centre of the manhole and not to the pipe intersection; please refer to the Manhole Schedules should this information be required. Please note that the Manhole Schedules are for guidance and information purposes only and NOT to be used for pricing, ordering or construction.
- c. Should any discrepancies be identified between the 1:20 Manholes Construction Details and the Manhole Schedules these should be reported to both the Developer's Engineer and Betts Associates prior to any construction taking place.
- d. Should any discrepancies be identified between the Main Drainage Layout and the Domestic Drainage Layout these should be reported to both the Developer's Engineer and Betts Associates prior to any construction taking place.
- e. All manholes and main drainage to be constructed in accordance with the Standard 'Design and Construction Guidance - Appendix C' details
- f. All 1350mm Ø chamber rings to be 'Kitemarked'
- g. Concrete surround is required to manhole chamber rings unless otherwise proved
- h. All manhole lateral connections are to be made at soffit level to the main channel
- i. All adoptable manholes to have a class D400 cover.
- j. Ladders are to comply with Design and Construction Guide Clause E2.37.
- k. Rocker pipes are required at all inlet and outlet pipes to adoptable manholes, for rocker pipe length's refer to DCG Table E13

Mark	Date	Details	By
P01	03.11.23	Issued for initial comments	NR

Revision history

Drawing originator:



Client:



Project title:

Dinting Vale
Glossop

Drawing title:

1:20 Manhole Detail
S19HB Hydrobrake Detail

Scale: 1:20 for the original size of A1

Drawn by: NR | Checked by: | Passed by: | Date: Nov⁸ 23

Drawing status: **For Approval**

Job No:	Drawing No:							Revision:
	Project	Origin.	Volume	Level	Type	Discip.	Number	
WAI25	XX	BET	XX	XX	DR	C	1052	P01