

Inlet & outlet openings are core drilled by Hynds at the factory. Contractor to provide and epoxy inlet & outlet pipe shorts to the manhole.

1x Outlet can be located anywhere within 45° to 315° area *

- Minimum invert levels are given as per the below section detail. The invert level of the inlet is required to be 150mm above the invert level of the outlet pipe.
- If the inlet/outlet invert depth to the ground level is >924/1074 mm, increased depths can be achieved by placement of additional manhole risers on top of standard unit shown (to be supplied separately).
- Inlet and Outlet openings are core drilled by Hynds at Factory Contractor to provide and epoxy Inlet & Outlet Pipe Shorts to Manhole
- Inlet Pipe:
 - Single inlet pipe from diversion manhole
 - Standard Requirement: Ø225mm, to be laid at 0.4%
 - Auckland PDEP Design: Ø175mm, to be laid at 0.6%
- Outlet Pipe:
 - Single outlet pipe to downstream junction manhole
 - Standard Requirement: Ø225mm, to be laid at 1.0%
 - Auckland PDEP Design: Ø175mm, to be laid at 1.0%
- The kit includes all components as shown. It is supplied to site in separate, easily identifiable components - please refer to separately supplied installation manual for site installation requirements.
- For install in B2 Exposure Classification environment, consult with Hynds if C or U exposure classification is required

NOTES:

- Concrete :
 - f'c = 50MPa, 10mm Aggregate (SCC)
 - Demould = 15MPa Min.
 - Lift & Rotate = 25MPa Min.
- Reo :
 - fy = Grade 500E MA
 - Reo Cover = 40mm Min.
 - Manufacturing Tolerance for Reinforcement Placing: Cover $\pm 5mm$
 - Tolerances for Reinforcement: As per NZS3109:1997 - Clause 3.9, and reproduced in DRG. no T6910 for reference.
- Min Lap Length : 40 x Bar Dia
- Do not re-bend reinforcing steel
- Tolerances for Precast Components: As per NZS3109:1997 - Table 5.1
- Design Load: HN-HO-72 (NZTA Load Criteria)
- Design Life: 100 Years
- Exposure Classification: Internal = B2, External = B2
- Finish: F3 as per NZS3114.

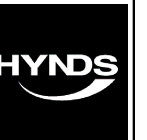
MATERIALS

VOL (m³/unit) =	
WT (ton/unit) =	9.676 T
CODE =	HF1800KIT

REVISIONS

REV #:	REVISION DESCRIPTION:	DATE:	DRAWN:
A	Issued For Approval	26 Nov 24	GH
B	Corrected Mesh From SE91 To SE92	4 Jul 2025	J.L.B.
C	New Note Added	21 Aug 2025	J.L.B.
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PO Box 58142, Botany, Auckland, 2163
 Tel: 09-274 0316
 Fax: 09-272 7485
 email: technicalservices@hynds.co.nz



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ISO 9001 CERTIFIED MANAGEMENT SYSTEM

PROJECT DESCRIPTION:

Hynds Stormwater

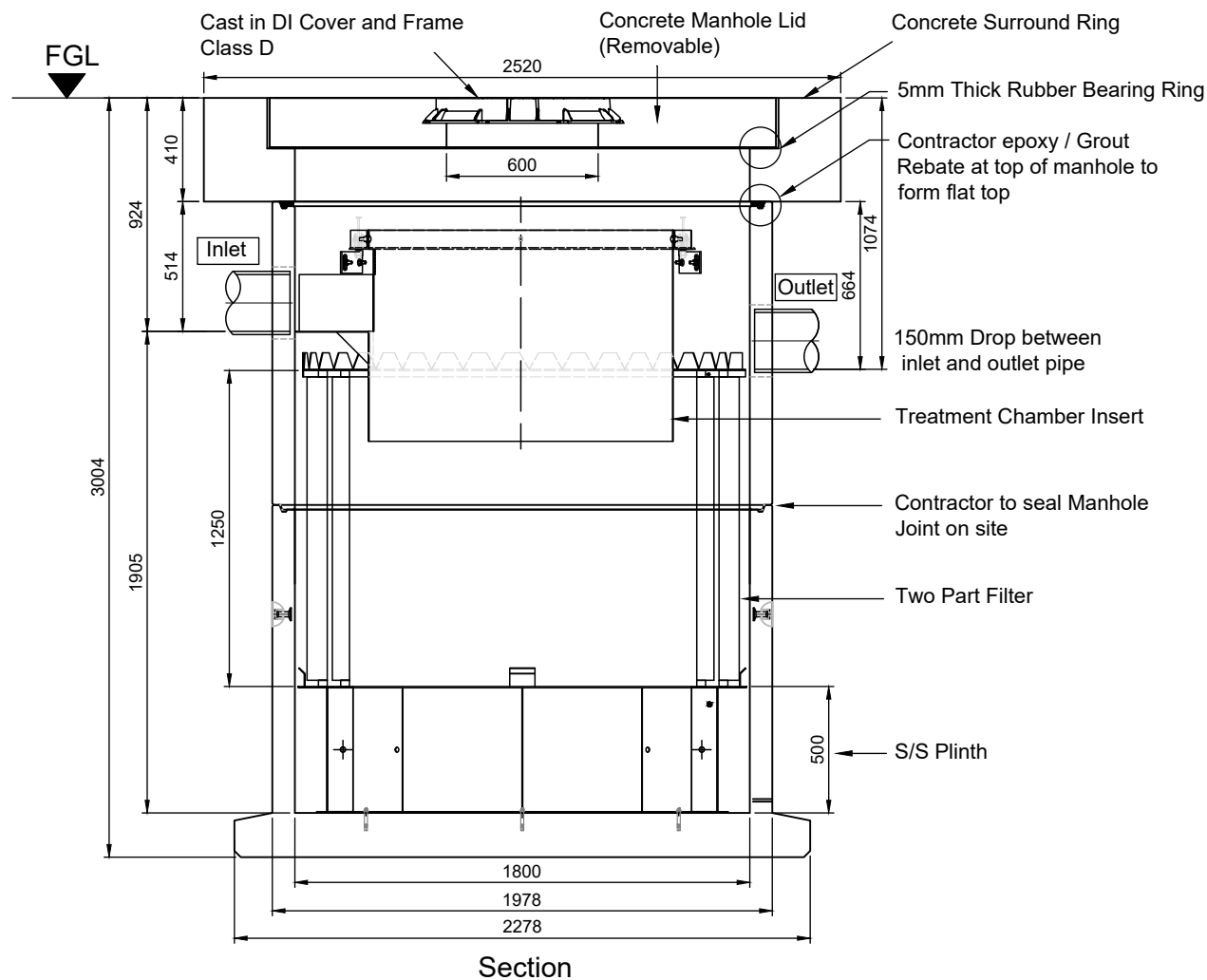
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SERVICE DETAIL:

Hynds Filter 1800

General Arrangement

REFERENCE/QUOTE NUMBER:	29480	
DRAWN: GH	DESIGN: BH	CHECKED: BH
SIGNATURE:	SIGNATURE:	SIGNATURE:
SCALE: 1:30	Note: Do not scale drawing if in doubt ASK!!!	DATE: 18-Nov-25
PAPER SIZE: A3		
DRAWING NUMBER: T9159 1	SHEET NUMBER: 1 of 5	REVISION NUMBER: C



Inlet / Outlet Pipe 175mm PVC (Auckland Standard)	
Inlet / Outlet Pipe 225mm PVC (NZ - Other Standard)	
<u>Please Specify</u>	
Outlet Pipe angle 45° to 315°	

I AUTHORISE **HYNDS PIPE SYSTEMS LTD** TO PROCEED WITH THE MANUFACTURING OF THIS PRODUCT SPECIAL AS DETAILED ABOVE. I ACKNOWLEDGE THAT ANY SPECIALS, ONCE MANUFACTURED, ARE DEEMED TO BE MY (CUSTOMERS) PROPERTY & ARE NON REFUNDABLE. PLEASE NOTE COSTS ARISING FROM CHANGES REQUESTED AFTER SIGNING THIS DRAWING WILL BE BORNE BY THE CUSTOMER.

NAME :- SIGNATURE :-

DATE :-