



CIVILCAST®

Precast & Steel Solutions for Civil

Solid Wall Custom Road Pits



Quality Assurance

JAS-ANZ



ISO 9001:2015

1300 012 278

sales@civilcast.com.au

civilcast.com.au

OVERVIEW

Civilcast is a privately owned and operated company, dedicated to the manufacture and distribution of precast and steel products designed to meet the diverse needs of civil construction applications. Our proficiency spans stormwater, water, sewer, infrastructure, electrical, and communication products within the civil construction sector.

Our reputation in the industry has been built on providing exceptional service coupled with:



LARGE STOCKS



FAST LEAD TIMES



EXPERT ADVICE



CUSTOM SOLUTIONS

Our commitment to providing exceptional service extends across our vast network of branches located in New South Wales, Queensland, Victoria, and South Australia. With our extensive presence in these regions, we have established a strong team of dedicated operations specialists in each location.

SOLID WALL CUSTOM ROAD PITS



FEATURES & BENEFITS



Size - our range of precast solid wall custom road pits are available in a diverse range of standard and tailor made dimensions, guaranteeing an ideal solution for your project.



Design - crafted and manufactured to comply with Australian Standards, suitable for Class D applications.



Lifespan - 100 years.



Load Rating - Our custom solid wall road pits are crafted to meet Class D load rating according to the Australian Standard AS/NZ2996. This renders our road pits suitable for major road projects.



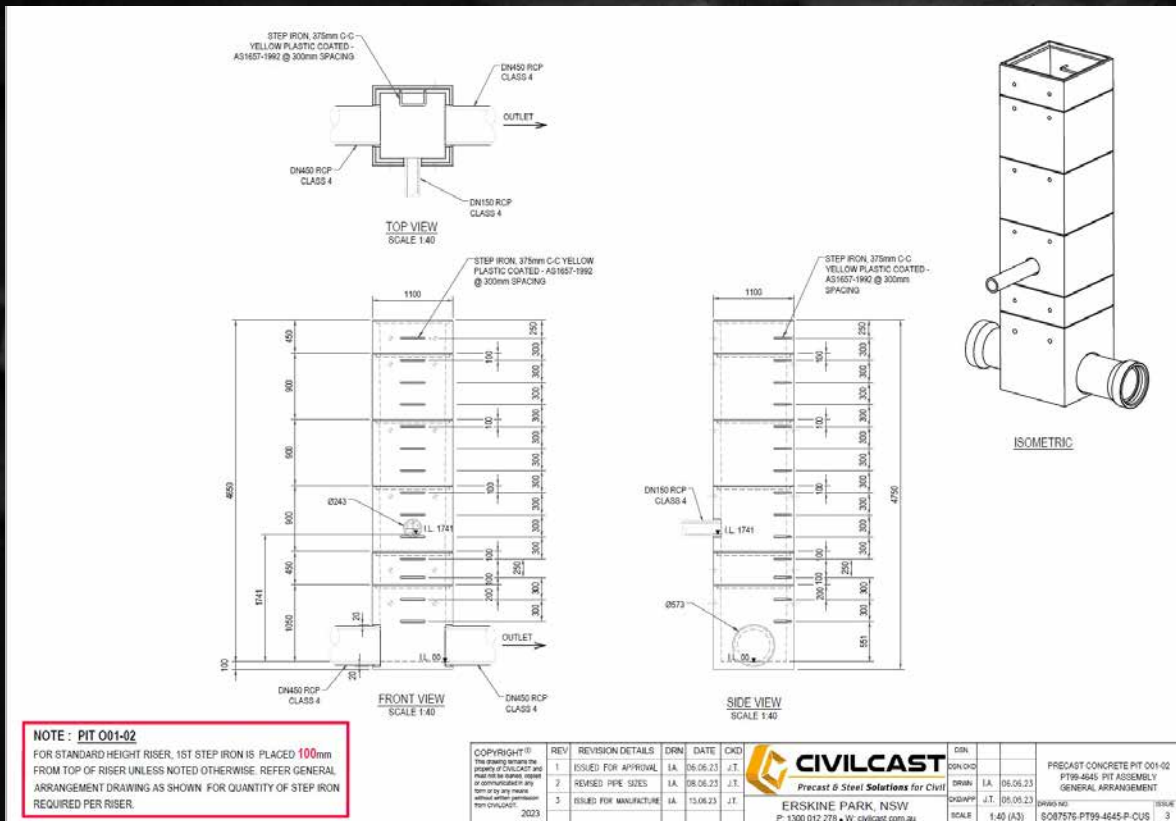
Certified - Engineer Certified Compliance with Local Council and Transport for NSW requirements.

DESIGN TABLES

PITS	RISERS
	600 x 600 x 600
	600 x 600 x 450
	600 x 600 x 300
	600 x 600 x 150
600 x 600 x 600	700 x 700 x 700
	700 x 700 x 300
	700 x 700 x 150
700 x 700 x 700	850 x 670 x 600
	850 x 670 x 300
	850 x 670 x 150
850 x 670 x 900	900 x 600 x 900
	900 x 600 x 600
	900 x 600 x 450
	900 x 600 x 150
900 x 600 x 900	900 x 900 x 900
	900 x 900 x 750
	900 x 900 x 600
	900 x 900 x 450
	900 x 900 x 300
	900 x 900 x 150
900 x 900 x 1050	1200 x 1200 x 1200
	1200 x 1200 x 900
	1200 x 1200 x 600
	1200 x 1200 x 300
	1200 x 1200 x 200
1200 x 1200 x 1200	1500 x 700 x 1200
	1500 x 700 x 600
	1500 x 700 x 300
1540 x 700 x 1500	1500 x 1500 x 1500
	1500 x 1500 x 1200
	1500 x 1500 x 600
1500 x 1500 x 1500	1500 x 1500 x 300

DETAILED DRAWINGS

Our technical drawings are precise, ensuring accuracy down to the finest detail, a testament to our commitment to excellence.



OUR PROCESS

Our simplified procedure ensures a hassle-free experience for our customers.



ISSUE PURCHASE ORDER



SHOP DRAWING



SHOP DRAWING APPROVED



MANUFACTURING



DELIVERY

CERTIFICATION

Our pits are Engineer Certified as complaint with Local Council and Transport for NSW requirements.



I am a Professional Engineer with appropriate experience and competence in this field.

Yours faithfully
van der Meer Consulting

BRIAN CARDELLI
Senior Associate - Structural
BE MIEAust CPEng NER (Struct) RPEQ



Our Ref: SY190011
Enquiries to: Brian Cardelli

10 November 2023

Civilcast Pty Ltd
Building B, 33-83 Quarry Road
ERSKINE PARK, NSW 2759

Attention: Brian Lee

**RE: FIBRE REINFORCED CONCRETE PITS & RISERS WITH CUSTOM PENETRATIONS
STRUCTURAL CERTIFICATE - DESIGN**

This is to confirm that our company has carried out structural design for the following Civilcast custom square pits and risers

- 450 x 450 custom pits and risers – Max. 5m installation depth
- 600 x 600 custom pits and risers – Max. 5m installation depth
- 700 x 700 custom pits and risers – Max. 5m installation depth
- 850 x 670 custom pits and risers – Max. 5m installation depth
- 900 x 600 custom pits and risers – Max. 5m installation depth
- 900 x 900 custom pits and risers – Max. 5m installation depth
- 1200 x 900 custom pits and risers – Max. 5m installation depth
- 1200 x 1200 custom pits and risers – Max. 5m installation depth
- 1500 x 1500 custom pits and risers – Max. 5m installation depth
- 1540 x 700 custom pits and risers – Max. 5m installation depth

These custom pits and risers comprise of:

- Texo Reoshore45 macrosynthetic fibre at 3kg/m³
- 40MPa concrete grade
- N12 perimeter bar located at top of pit under rebate with adequate cover
- Custom penetrations

The design loads considered for the pits and risers are as follows:

- Ultimate traffic design load of 240kN as per AS3996:2019
- Ground conditions with a soil unit weight of 22kN/m³
- Water table at a 1m depth below ground level.
- Surcharge design load of 18kPa at ground level

The maximum installation depth of the pits and risers are as noted.

We certify that these square pits and risers are designed in accordance with accepted engineering practice and is in accordance with the relevant provisions of the following:

- Relevant Australian Standards
 - AS1170.0:2002
 - AS3600:2018
 - AS5100.1:2017
 - AS5100.2:2017
 - AS5100.5:2017
- 100 year design life
- AS3996:2019:- D Class loading from covers and grates (240kN ultimate)
- Transport Roads & Maritime Services
 - QA Specification R11, Stormwater Drainage

BRISBANE	Level 3, 51 Alfred Street, Fortitude Valley QLD 4006	P 07 3021 6600	E QLD-enquiries@vandermeer.com.au
CANBERRA	Level 9, 2 Phillip Law Street, Canberra ACT 2601	P 02 6243 4839	E ACT-enquiries@vandermeer.com.au
MELBOURNE	Level 6, 379 Collins Street, Melbourne VIC 3000	P 03 8614 5555	E VIC-enquiries@vandermeer.com.au
NEWCASTLE	Level 1, 17 Bolton Street, Newcastle NSW 2300	P 02 4910 4035	E NC-enquiries@vandermeer.com.au
SYDNEY	Level 6, 39 Chandos Street, St Leonards NSW 2065	P 02 9436 0433	E NSW-enquiries@vandermeer.com.au



**AUSTRALIAN
MADE & OWNED**

Our locations:

HEAD OFFICE & WAREHOUSE

Building B, 33-83 Quarry Road,
Erskine Park NSW 2759

MANUFACTURING

1 Campbell Street,
Cowra NSW 2794

NEWCASTLE

50 Enterprise Drive,
Beresfield NSW 2332

QUEENSLAND

Unit 5, 84 Christensen Road (South),
Stapylton QLD 4207

VICTORIA

77 Canterbury Road,
Montrose VIC 3765

ADELAIDE

9-13 Francis Road,
Wingfield SA 5013



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