SOLID WALL CUSTOM ROAD PITS

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CIVILCAST®
Precast & Steel **Solutions** for Civil

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, ACT and Victoria. 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 is available in a wide variety of standard and custom dimensions, ensuring the perfect fit for your project. Featuring a market-leading design with no internal taper, these pits offer superior strength and exceptional structural integrity, setting a new benchmark in the industry.

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

Design Life - 100 years.

Load Rating - Our custom solid wall road pits are crafted to meet Class D load rating according to the Australian Standard AS3996. This renders our road pits suitable for major road projects.

Certified - Engineer certified to comply with Australian Standards for Local Council and Transport Authority requirements.

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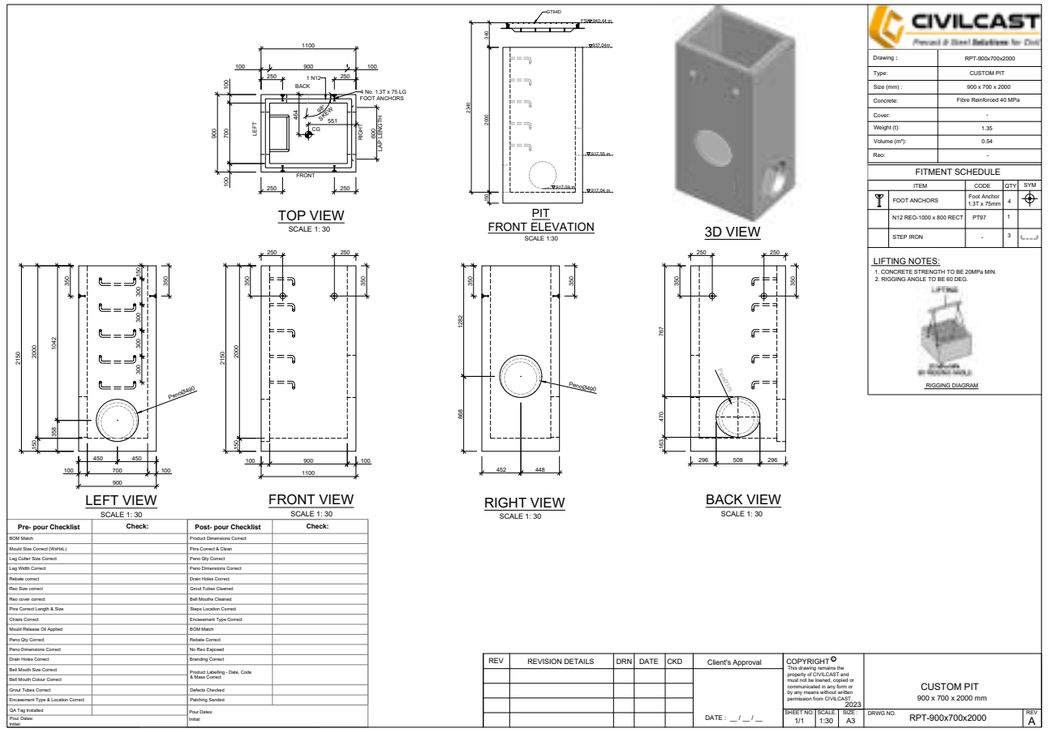
ROAD PIT SIZE TABLE

	Max Custom Depths Per Unit		Wall Thickness Option		
Pit Size	Pit	Risers	110	120	150
450 x 450	450	450	✓		
600 x 600	600	600	✓		
700 x 700	700	700	✓		
850 x 670	900	600	✓		
900 x 600	900	900	✓		
900 x 700	Custom depth up to 2000mm	Custom depth up to 2000mm	✓		✓
900 x 900			✓		✓
1200 x 900				✓	✓
1200 x 1200				✓	✓
1500 x 900					✓
1500 x 1500					✓
1540 x 700	1500	1200		✓	

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.

1. **ISSUE PURCHASE ORDER**
2. **SHOP DRAWING**
   To speed up the shop drawing process we've developed proprietary design software that delivers precise drawings, detailed 3D views and lifting methodologies at industry leading speed. This saves you significant time.
3. **SHOP DRAWING APPROVED**
4. **MANUFACTURING**
5. **DELIVERY**

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CUSTOM ROAD PITS

TECHNICAL GUIDE

CERTIFICATION

Our pits are Engineer Certified complaint with Local Council and Transport Authority requirements.

van der meer

Physical testing of pit and risers was conducted following testing methodology report, Structural Performance of Fibre Reinforced concrete Pits and Risers, prepared by van der Meer. Test results have been summarised in Product Testing Summary Report, dated 27th October 2025, prepared by van der Meer. Testing determined that the manufactured pits and risers withstood stipulated loading aligning with design intent.

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

Yours faithfully
van der Meer Consulting

BRIAN CARDELLI

van der meer

Our Ref: SY190011
Enquiries to: Brian Cardelli

25 November 2025

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 and rectangular 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
- 900 x 600 custom pits and risers – Max. 5m installation depth
- 900 x 700 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 900 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:

- SC480 macrosynthetic fibre at 3kg/m^3
- 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/m^3
- 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 and rectangular 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

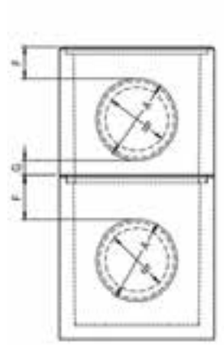

FIGURE 1
ELEVATION

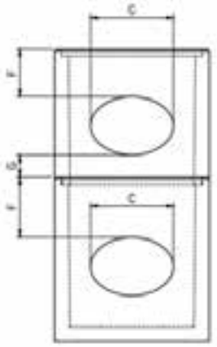

FIGURE 2
ELEVATION - PIPE AT 90 ANGLE

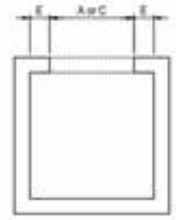

FIGURE 3
PLAN - OPENING AT ONE SIDE ONLY

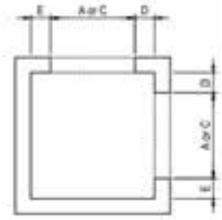

FIGURE 4
PLAN - OPENING AT TWO ADJACENT SIDES

ROAD PIT PENETRATION PARAMETERS

Product Size	Max allowable opening		Max concrete pipe diameter - "B" (mm)	Minimum distances from edge of penetration			
	Diameter "A" (mm)	Width "C" (mm) Elongated Hole for Angled Pipe)		Min distance From Peno edge to internal corner - "D" (mm)	Min distance from Peno edge to internal corner adjacent to wall with no peno - "E" (mm)	Min distance from top of peno to pit/riser Joint above the opening - 'F" (mm)	Min distance from bottom of peno to Joint below the opening - "G" (mm)
Pit 450 x 450	300	350	225	70	0	110	na
Riser 450 x 450	300	300	225	70	0	110	50
Pit 600 x 600	400	450	300	100	0	150	na
Riser 600 x 600	300	300	225	100	0	150	50
Pit 700 x 700	500	550	375	90	0	140	na
Riser 700 x 700	400	400	300	90	0	140	50
Pit 850 x 670	600/500	650	450/375	120/75	0	250	na
Riser 850 x 670	400	400	300	120/75	0	150	50
Pit 900 x 600	600/400	700	450/300	135/100	0	250	na
Riser 900 x 600	600/400	600/400	450/300	135/100	0	250	50
Pit 900 x 900	600	700	450	135	0	250	na
Riser 900 x 900	600	600	450	135	0	250	50
Pit 1200 x 900	800/600	850	600/450	185/135	0	350	na
Riser 1200 x 900	600	600	450	185/135	0	250	50
Pit 1200 x 1200	800	850	600	185	0	350	na
Riser 1200 x 1200	800	800	600	185	0	350	50
Pit 1500 x 1500	1000	1050	825	250	0	450	na
Riser 1500 x 1500	800	800	600	250	0	350	50
Pit 1540 x 700	1000/400	1050	825/300	260/140	0	450	na
Riser 1540 x 700	800/400	800/400	600/300	260/140	0	350/750	50

Notes:
[1] If there are 2 values, first value is for the longer side.
[2] All conditions must be satisfied.

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CUSTOM ROAD PIT INSTALLATION GUIDE

The following outlines the preferred method for Road Pit Installation.

TOOL LIST

Following is a list of tools that can be used as a guide for the installation of Civilcast Precast Pits:

- Adequate lifting machinery to lift the required weight, e.g. excavator or crane.
- Shovels
- Spirit level
- Levelling Screed
- Tape measure
- Lifting chain & lifting clutches (compliant & suitable for the weight being lifted)

SAFETY & PPE

As a Quality Assured company, Civilcast always promotes safety as a priority throughout the manufacturing, storage, delivery, and installation processes of our products.

The following PPE should be worn by all personnel involved in installing precast concrete pits:

- Hi-Vis shirt or vest
- Hard hat
- Safety boots
- Gloves
- Safety glasses

HANDLING AND LIFTING

Installation contractors are governed by national and state WHS standards, and the site safety regulations of the particular site they are working on. It is the responsibility of the installation contractor to provide a compliant Safe Work Method Statement prior to starting site works.

When lifting Civilcast precast concrete components, only certified lifting chains and the appropriate certified lifting clutches should be used. Each pit and riser are fitted with at least 4 foot anchors that the components must be lifted from. Ensure chains and clutches are certified to the appropriate weight that is to be lifted. Civilcast products are marked with the mass weight for your reference.

Lifting, moving and loading of precast concrete components must be carried out according to the appropriate standards and specific site requirements.

Prior to delivery, ensure there is sufficient area on site with a flat and stable surface for storage of precast components being delivered. The safe maximum stacking height is determined by the site conditions.

DELIVERY

Prior to delivery of custom road pits, Civilcast's Custom Project Coordinator will be in contact with the site team coordinating the shop drawing approval process, followed by the Logistics Team to arrange and coordinate site deliveries.

Pits can be delivered with Hiab crane trucks for unloading, however it is the responsibility of the site installation contractor to lift the pits into their installed location.

A hard copy of the shop drawings should be printed off on site to assist with the installation process. All pits and risers will be labelled with pit number which will also be documented on the shop drawings.

SITE/TRENCH PREPARATION

Before the precast pits are installed, the installation location should be prepared accordingly, by excavating the site to provide clearance (about 400mm minimum) from all external faces and to ensure that there is enough room to work around the base of the pit. Additionally, the appropriate foundation must also be prepared.

Precast concrete pits must be installed on a stable, well-compacted foundation to avoid future settlement. The minimum allowable bearing capacities of the soil foundation are shown in Table 2 and applicable only to freshly exposed foundation material. Should any softening or loosening occur following excavation, the soft/loose materials must be removed and replaced with a coarse single-size aggregate. The compacted depth of replacement material must be uniform and sufficient to ensure that the minimum specified bearing capacity is achieved.

DEPTH TO INVERT	MINIMUM ALLOWABLE BEARING CAPACITY OF SOIL
Up to 3 metres	100 kPa
3 to 6 metres	150 kPa

Once the foundation has been stabilised, the bedding material of sand or gravel should be placed onto the foundation to a uniform depth. The bedding is designed to provide uniform support across the whole underside of the precast concrete pit.

Bedding material and compaction should comply with the project specific drawings. Civilcast recommends consulting with the project civil or geotechnical engineer for bedding material and compaction requirements especially where unusual ground conditions may occur.

General acceptance is an approved bedding material compacted to a thickness of not less than 80 mm on an earth foundation or 150 mm on a rock foundation. The invert level of the pipe and the base thickness of the pit must be considered when preparing the bedding (placing, levelling and compacting).

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PIT INSTALLATION

Precast concrete custom road pits are typically installed as follows:

1. Check and ensure that the foundation and bedding material have not been disturbed.
2. Prepare the precast concrete pit for lifting using Swiftlift® clutches. Take care not to strike the precast units together when unloading and lowering them. Be aware of the site hazards at all times and do not walk or work under suspended loads.
3. The downstream pipe is typically installed first, however installation sequence may vary depending on layout and site conditions. Lift the precast concrete pit into position, guiding the pit into the excavated trench and onto the downstream pipe. The pipe may have to be lifted slightly to ensure it inserts into the pit penetration, before the pit base touches the bedding or blinding layer. Once the pit is in place, ensure there is enough clearance underneath the pipe to allow for sealant application around the pipe parameter.
4. Ensure that all levels are correct using a spirit level placed on the top rim of the pit. Also check the downstream and upstream invert levels are correct and in accordance to the project design.

RISER INSTALLATION

Civilcast Mk11 road pits are manufactured up to 2m in depth in one monolithic unit, often eliminating the requirement of riser, however, where the required pit depth is over two meters risers can be adopted.

1. Pits and risers are designed and manufactured with a male/female rebate to reduce joint movement and assist with ease of installation. Ensure female rebate on the top of the installed pit or riser is free of debris before installing the next segment.
2. (Optional) Components can be sealed together using a project-approved non-shrink grout or mastic product applied according to the manufactures instructions. Apply the chosen sealant product into the female rebate of the installed component.
3. Place the next segment on top of the installed segment ensuring there is no gaps between the two units.
4. Leave the segments undisturbed for the duration of the curing period specified by the manufacturer of the sealant product used.

SEALING PIPE TO PIT JOINT

Civilcast road pits are a shop drawn product, designed and manufactured complete with pipe penetrations according to the specified pipe sizes, locations and project requirements.

1. Place the pipe into the penetration in the side of the pit. Some pipes may have to be cut so that it is flush with the internal wall of the pit.
2. Seal the wall with a project-approved cement mix or mortar. Rendering around the pipe on the inside of the pit may be necessary to achieve an acceptable flush finish.
3. Repeat the process on the external joint, where the pipe enters the pit. Sand bags are often used around the pipe to hold the pipe in place and limit movement during backfill.

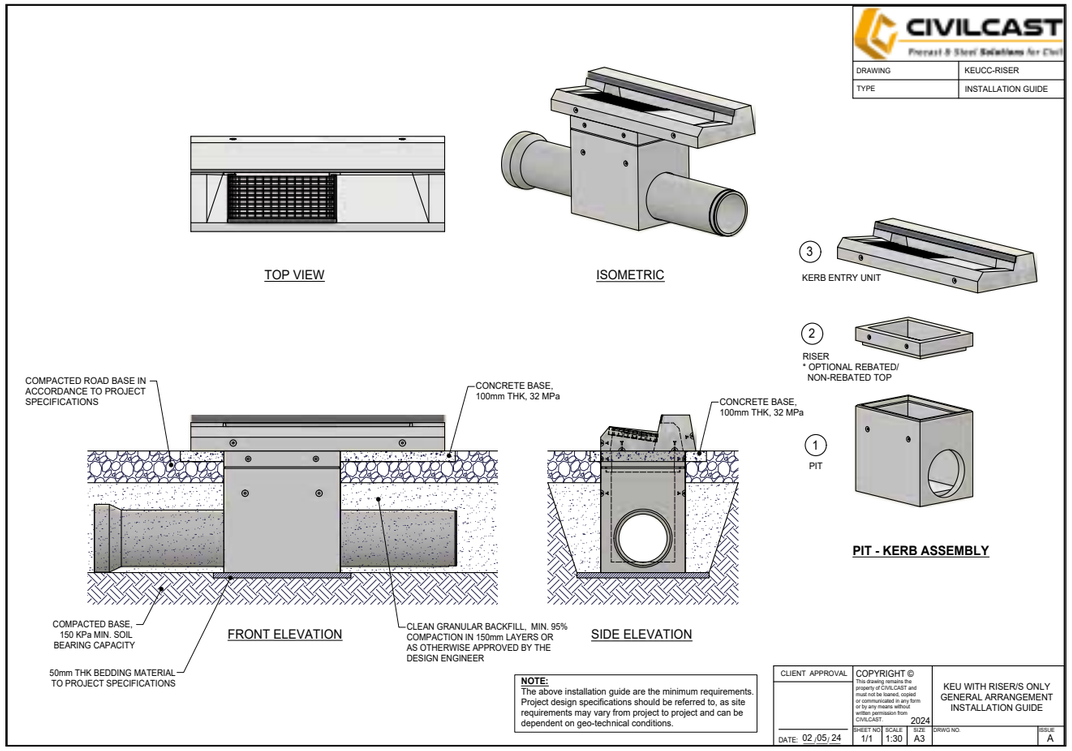
BACKFILLING

Once the installation of the pits and pipe is complete, backfilling can occur. Project drawings and documentation should be referred to, as site specific back filling requirements are typically specified on project IFC drawings. The material used for backfilling the pit must be the same as the material used for backfilling the pipeline.

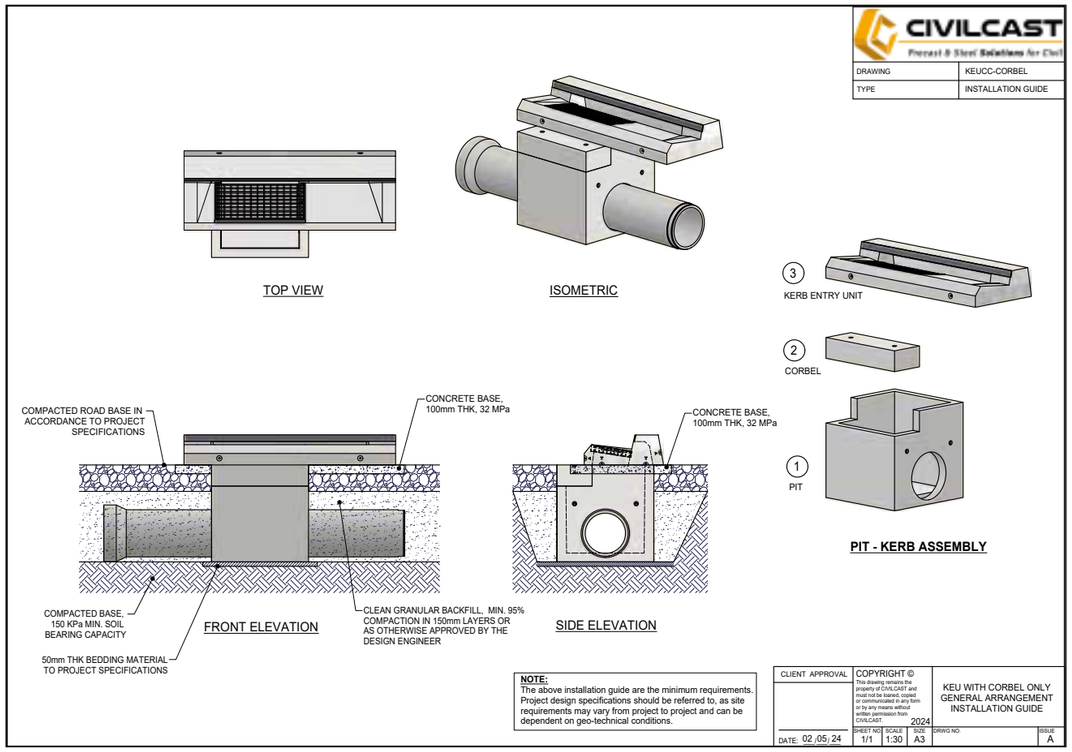
Evenly place and uniformly compact the material ensuring that the components and joints are not displaced. Compaction should be sufficient to ensure there is no subsidence after the completion of the works.

INSTALLATION OF KERB ENTRY UNITS

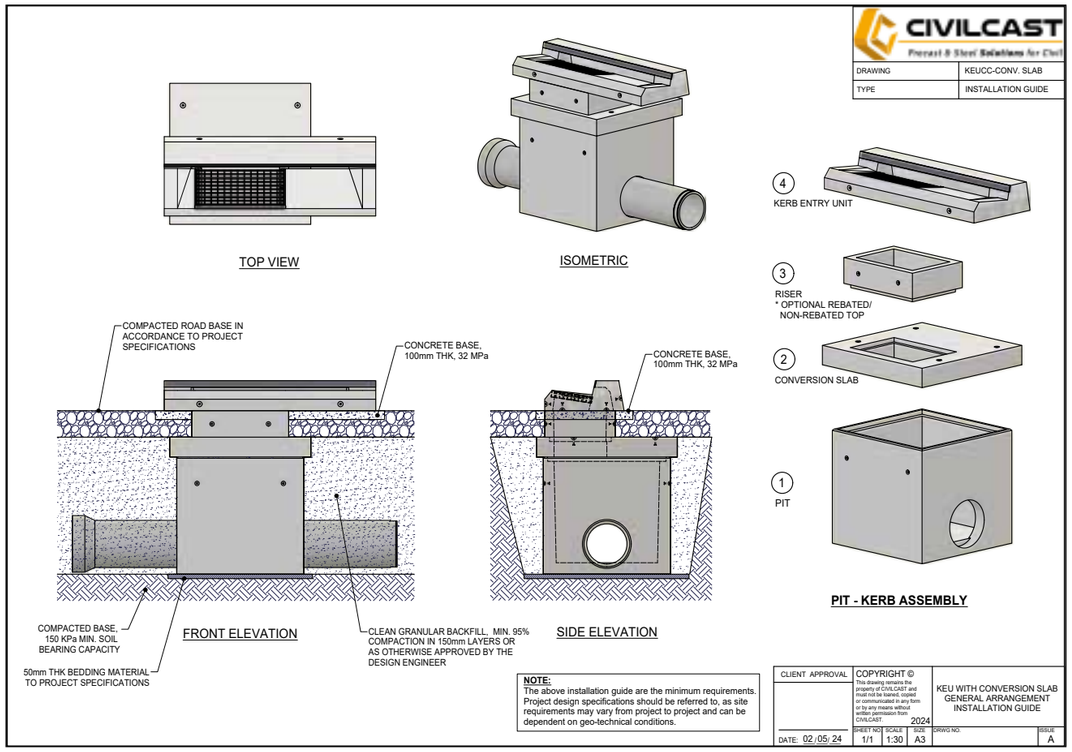
The installation methodology of kerb entry units onto custom road pits may vary depending on the pit size and depth that has been installed at the kerb inlet point. The following typical details provide a guide only, outlining three typical kerb entry installation component configurations. These details are a guide only. Project drawings and specifications should be referenced for more detailed project specific installation requirements.



KERB RISER PIT ASSEMBLY



KERB CORBEL PIT ASSEMBLY



KERB CONVERSION SLAB PIT ASSEMBLY

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STANDARD PIT/RISER DRAWINGS

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DRAWING	PT97 2000 11P
TYPE	PRECAST PARALLEL WALL PIT
SIZE (mm)	900 x 700 x 110 x 2000
COVER (mm)	---------
GRADE	40 MPa
EXPOSURE CLASSIFICATION	--------
WEIGHT (kg)	2388 kg
VOLUME (m^3)	0.96 m3
REO DRAWING	------

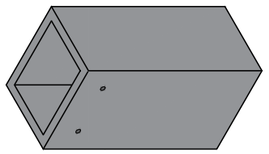
FITMENT SCHEDULE

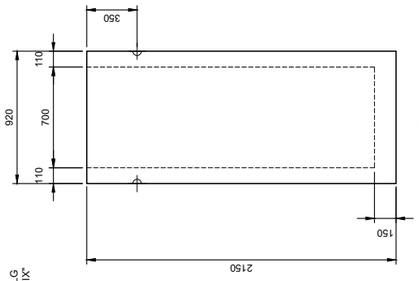
ITEM	CODE	QTY	SYM
FOOT ANCHORS	ACTECH LIFTFIX 2.5T x 75mm LG	4	⊕

NOTES - PIT SIZE 900 x 700 x 2000:
1. WALL THICKNESS, 110mm
2. PENETRATIONS TO PROJECT SPECIFICATIONS
3. PIT DEPTH ADJUSTABLE TO PROJECT SPECIFICATIONS (MAX 2.0m INTERNAL HEIGHT)
4. FIBRE REINFORCED (STEEL REINFORCED DESIGN AVAILABLE UPON REQUEST TO MEET PROJECT SPECIFIC REQUIREMENTS)
5. REBATE OPTIONAL - SEE DETAIL 1

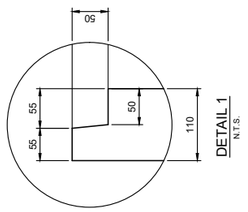
ISOMETRIC

PRODUCT MASS - 2388 KG

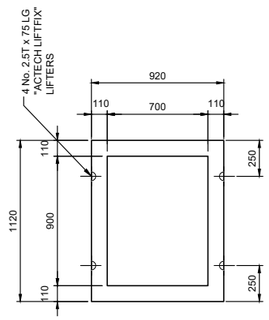




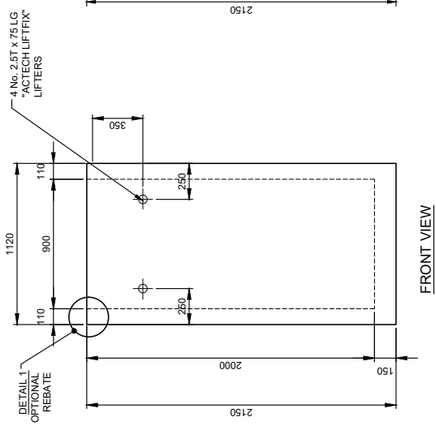
SIDE VIEW
SCALE 1 : 25



DETAIL 1
N.T.S.



TOP VIEW
SCALE 1 : 25



FRONT VIEW
SCALE 1 : 25

REV	REVISION DETAILS	DRN	DATE	CKD
A	ISSUED FOR INFORMATION	IA	17.11.23	JT
B	UPDATED DRWG TEMPLATE	IA	07.01.25	BL
C	UPDATED WALL THICKNESS, MASS/VOL AND ADDED NOTE 5	IA	21.05.25	BL

CLIENTS APPROVAL

DATE:

PRECAST CONCRETE PIT
900mm x 700mm x 2000mm
WITH 110mm THK WALL & 150mm THK BASE
PRODUCT DRAWING

SHEET#	SCALE	SIZE	DRWG NO.	REV
1/1	1:25	A3	PT97 2000 11P	C

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DRAWING	PT97 2000 15P
TYPE	PRECAST PARALLEL WALL PIT
SIZE (mm)	900 x 700 x 150 x 2000
COVER (mm)	---------
GRADE	40 MPa
EXPOSURE CLASSIFICATION	--------
WEIGHT (kg)	3300 kg
VOLUME (m^3)	1.32 m3
REO DRAWING	------

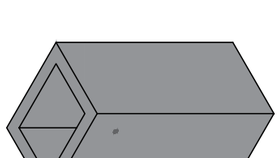
FITMENT SCHEDULE

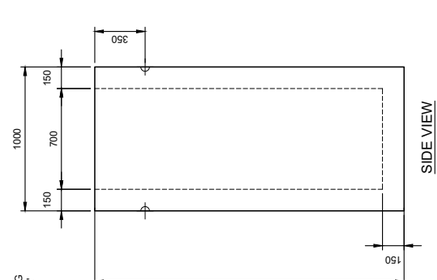
ITEM	CODE	QTY	SYM
FOOT ANCHORS	ACTECH LIFTFIX 5.0T x 120mm LG	4	⊕

NOTES - PIT SIZE 900 x 700 x 2000:
1. WALL THICKNESS, 150mm
2. PENETRATIONS TO PROJECT SPECIFICATIONS
3. PIT DEPTH ADJUSTABLE TO PROJECT SPECIFICATIONS (MAX 2.0m INTERNAL HEIGHT)
4. FIBRE REINFORCED (STEEL REINFORCED DESIGN AVAILABLE UPON REQUEST TO MEET PROJECT SPECIFIC REQUIREMENTS)
5. REBATE OPTIONAL - SEE DETAIL 1

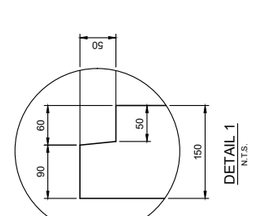
ISOMETRIC

PRODUCT MASS - 3300 KG

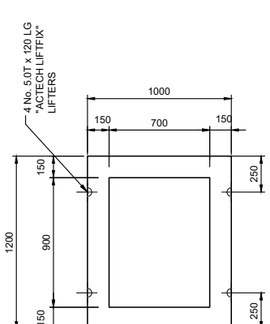




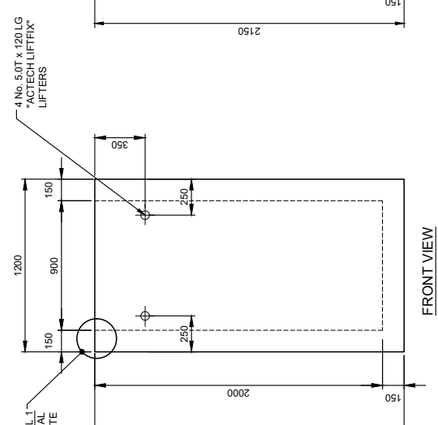
SIDE VIEW
SCALE 1 : 25



DETAIL 1
N.T.S.



TOP VIEW
SCALE 1 : 25



FRONT VIEW
SCALE 1 : 25

REV	REVISION DETAILS	DRN	DATE	CKD
A	ISSUED FOR INFORMATION	IA	17.11.23	JT
B	UPDATED DRWG TEMPLATE	IA	07.01.25	BL
C	ADDED NOTE 5	IA	21.05.25	BL

CLIENTS APPROVAL

DATE:

PRECAST CONCRETE PIT
900mm x 700mm x 2000mm
WITH 150mm THK WALL & 150mm THK BASE
PRODUCT DRAWING

SHEET#	SCALE	SIZE	DRWG NO.	REV
1/1	1:25	A3	PT97 2000 15P	C

STANDARD PIT/RISER DRAWINGS

CIVILCAST
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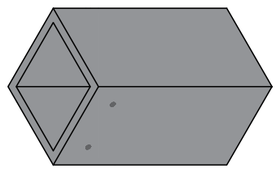
DRAWING	PT99 2000 11 P
TYPE	PRECAST PARALLEL WALL PIT
SIZE (mm)	900 x 900 x 110 x 2000
COVER (mm)	------
GRADE	40 MPa
EXPOSURE CLASSIFICATION	-------
WEIGHT (kg)	2692 kg
VOLUME (m^3)	1.08 m3
REO DRAWING	-----

FITMENT SCHEDULE

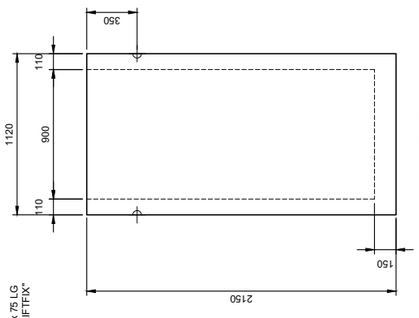
ITEM	CODE	QTY	SYM
FOOT ANCHORS	ACTECH LIFTFIX 2.5T x 75mm LG	4	⊕

NOTES - PIT SIZE 900 x 900 x 2000:
1. WALL THICKNESS, 110mm
2. PENETRATIONS TO PROJECT SPECIFICATIONS
3. PIT DEPTH ADJUSTABLE TO PROJECT SPECIFICATIONS (MAX 2.0m INTERNAL HEIGHT)
4. FIBRE REINFORCED, (STEEL REINFORCED DESIGN AVAILABLE UPON REQUEST TO MEET PROJECT SPECIFIC REQUIREMENTS)
5. REBATE OPTIONAL - SEE DETAIL 1

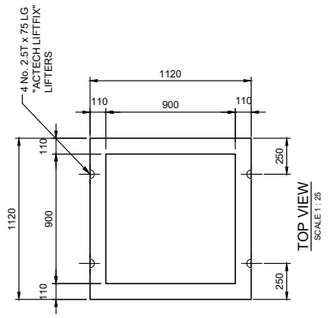


ISOMETRIC

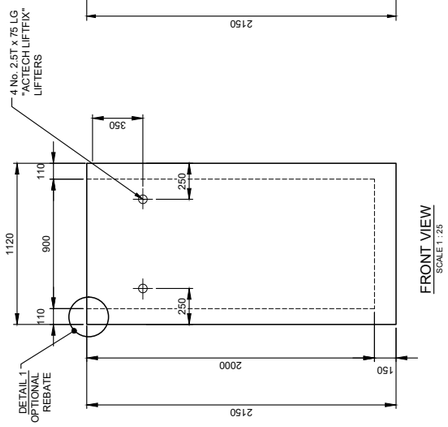
PRODUCT MASS - 2692 KG



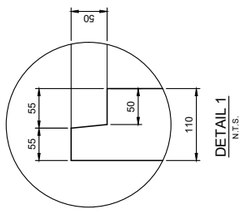
SIDE VIEW
SCALE 1 : 25



TOP VIEW
SCALE 1 : 25



FRONT VIEW
SCALE 1 : 25



DETAIL 1
N.T.S.

REV	REVISION DETAILS	DRN	DATE	CKD
A	ISSUED FOR MANUFACTURE	IA	06.01.25	BL
B	UPDATED WALL THICKNESS	IA	27.03.25	BL
C	UPDATED BASE THICKNESS, MASS/VOL, PRODUCT CODE & ADDED NOTE 5	IA	21.05.25	BL

CLIENTS APPROVAL
DATE:

PRECAST CONCRETE PIT
900mm x 900mm x 2000mm
WITH 110mm THK WALL & 150mm THK BASE
PRODUCT DRAWING

SHEET#	SCALE	SIZE	DRWG NO.	REV
1/1	1:25	A3	PT99 2000 11 P	C

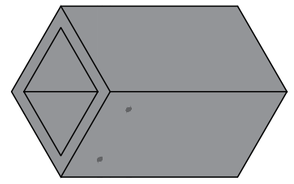
CIVILCAST
Precast & Steel Solutions for Civil

DRAWING	PT99 2000 15P
TYPE	PRECAST PARALLEL WALL PIT
SIZE (mm)	900 x 900 x 150 x 2000
COVER (mm)	------
GRADE	40 MPa
EXPOSURE CLASSIFICATION	-------
WEIGHT (kg)	3690 kg
VOLUME (m^3)	1.48 m3
REO DRAWING	-----

FITMENT SCHEDULE

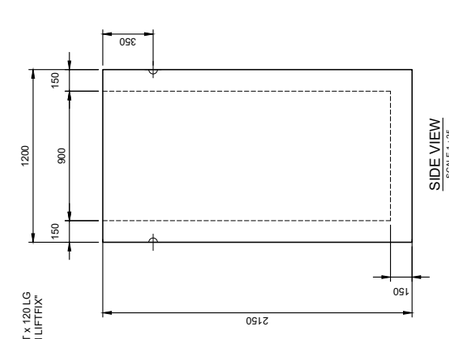
ITEM	CODE	QTY	SYM
FOOT ANCHORS	ACTECH LIFTFIX 5.0T x 120mm LG	4	⊕

NOTES - PIT SIZE 900 x 900 x 2000:
1. WALL THICKNESS, 150mm
2. PENETRATIONS TO PROJECT SPECIFICATIONS
3. PIT DEPTH ADJUSTABLE TO PROJECT SPECIFICATIONS (MAX 2.0m INTERNAL HEIGHT)
4. FIBRE REINFORCED, (STEEL REINFORCED DESIGN AVAILABLE UPON REQUEST TO MEET PROJECT SPECIFIC REQUIREMENTS)
5. REBATE OPTIONAL - SEE DETAIL 1

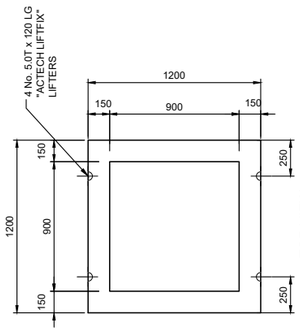


ISOMETRIC

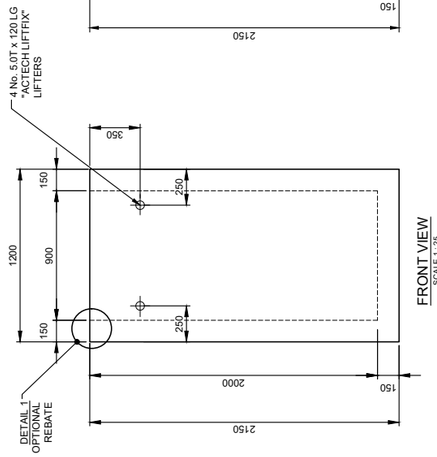
PRODUCT MASS - 3690 KG



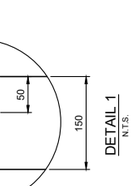
SIDE VIEW
SCALE 1 : 25



TOP VIEW
SCALE 1 : 25



FRONT VIEW
SCALE 1 : 25



DETAIL 1
N.T.S.

REV	REVISION DETAILS	DRN	DATE	CKD
A	ISSUED FOR MANUFACTURE	IA	06.01.25	BL
B	ADDED NOTE 5	IA	21.05.25	BL

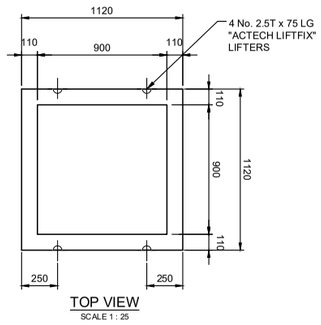
CLIENTS APPROVAL
DATE:

PRECAST CONCRETE PIT
900mm x 900mm x 2000mm
WITH 150mm THK WALL & 150mm THK BASE
PRODUCT DRAWING

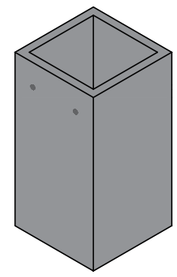
SHEET#	SCALE	SIZE	DRWG NO.	REV
1/1	1:25	A3	PT99 2000 15P	B

1300 012 278 | sales@civilcast.com.au | civilcast.com.au
CIVILCAST® Precast & Steel Solutions for Civil

STANDARD PIT/RISER DRAWINGS



TOP VIEW
SCALE 1 : 25



ISOMETRIC

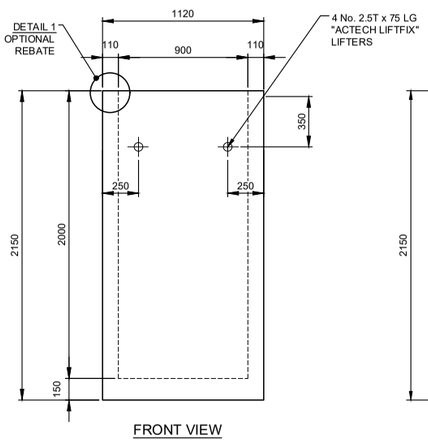
PRODUCT MASS - 2692 KG

CIVILCAST
Precast & Steel Solutions for Civil

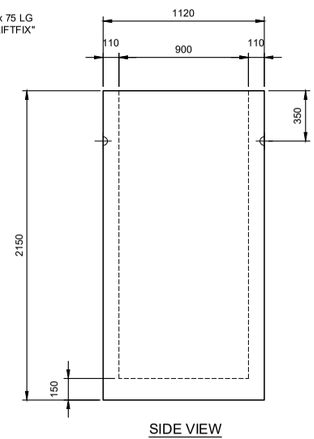
DRAWING	PT99 2000 1115P
TYPE	PRECAST PARALLEL WALL PIT
SIZE (mm)	900 x 900 x 110 x 2000
COVER (mm)	--------
GRADE	40 MPa
EXPOSURE CLASSIFICATION	--------
WEIGHT (kg)	2692 kg
VOLUME (m³)	1.08 m3
REO DRAWING	-----

FITMENT SCHEDULE

ITEM		CODE	QTY	SYM
	FOOT ANCHORS	ACTECH LIFTFIX 2.5T x 75mm LG	4	

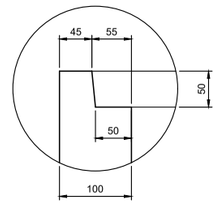


FRONT VIEW
SCALE 1 : 25



SIDE VIEW
SCALE 1 : 25

NOTES - PIT SIZE 900 x 900 x 2000:
1. WALL THICKNESS, 110mm
2. PENETRATIONS TO PROJECT SPECIFICATIONS
3. PIT DEPTH ADJUSTABLE TO PROJECT SPECIFICATIONS (MAX 2.0m INTERNAL HEIGHT)
4. FIBRE REINFORCED. (STEEL REINFORCED DESIGN AVAILABLE UPON REQUEST TO MEET PROJECT SPECIFIC REQUIREMENTS)
5. REBATE OPTIONAL - SEE DETAIL 1



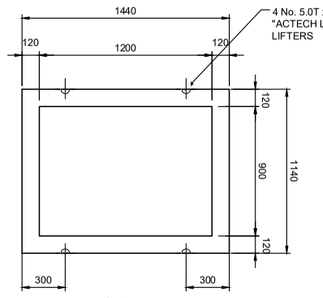
DETAIL 1
N.T.S.

REV	REVISION DETAILS	DRN	DATE	CKD
A	ISSUED FOR MANUFACTURE	IA	06.01.25	BL
B	UPDATED WALL THICKNESS	IA	27.03.25	BL
C	UPDATED BASE THICKNESS, MASS/VOL PRODUCT CODE & ADDED NOTE 5	IA	21.05.25	BL

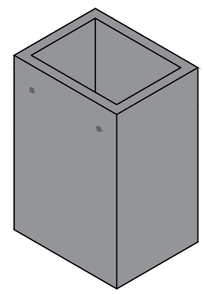
CLIENT'S APPROVAL
DATE:

PRECAST CONCRETE PIT
900mm x 900mm x 2000mm
WITH 110mm THK WALL & 150mm THK BASE
PRODUCT DRAWING

SHEET#	SCALE	SIZE	DRWG NO.	REV
1/1	1:25	A3	PT99 2000 1115P	C



TOP VIEW
SCALE 1 : 25



ISOMETRIC

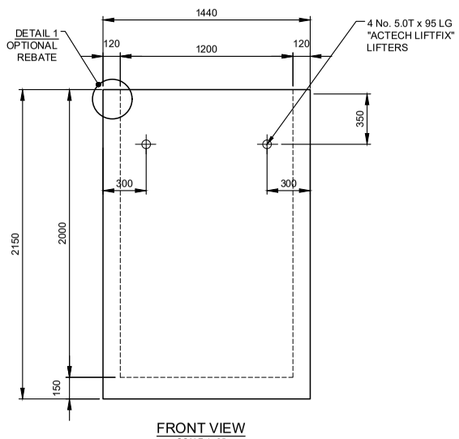
PRODUCT MASS - 3424 KG

CIVILCAST
Precast & Steel Solutions for Civil

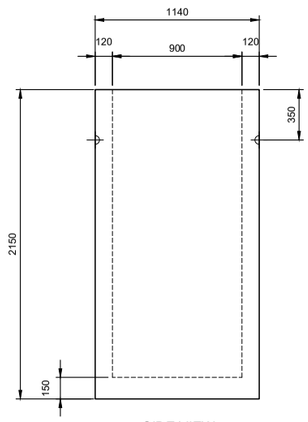
DRAWING	PT1209 2000 12P
TYPE	PRECAST PARALLEL WALL PIT
SIZE (mm)	1200 x 900 x 120 x 2000
COVER (mm)	--------
GRADE	40 MPa
EXPOSURE CLASSIFICATION	--------
WEIGHT (kg)	3424 kg
VOLUME (m³)	1.37 m3
REO DRAWING	-----

FITMENT SCHEDULE

ITEM		CODE	QTY	SYM
	FOOT ANCHORS	ACTECH LIFTFIX 5.0T x 95mm LG	4	

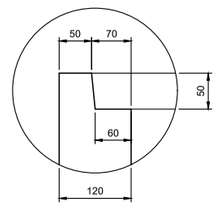


FRONT VIEW
SCALE 1 : 25



SIDE VIEW
SCALE 1 : 25

NOTES - PIT SIZE 1200 x 900 x 2000:
1. WALL THICKNESS, 120mm
2. PENETRATIONS TO PROJECT SPECIFICATIONS
3. PIT DEPTH ADJUSTABLE TO PROJECT SPECIFICATIONS (MAX 2.0m INTERNAL HEIGHT)
4. FIBRE REINFORCED. (STEEL REINFORCED DESIGN AVAILABLE UPON REQUEST TO MEET PROJECT SPECIFIC REQUIREMENTS)
5. REBATE OPTIONAL - SEE DETAIL 1



DETAIL 1
N.T.S.

REV	REVISION DETAILS	DRN	DATE	CKD
A	ISSUED FOR MANUFACTURE	IA	06.01.25	BL
B	UPDATED WALL THICKNESS AND ADDED NOTE 5	IA	21.05.25	BL

CLIENT'S APPROVAL
DATE:

PRECAST CONCRETE PIT
1200mm x 900mm x 2000mm
WITH 120mm THK WALL & 150mm THK BASE
PRODUCT DRAWING

SHEET#	SCALE	SIZE	DRWG NO.	REV
1/1	1:25	A3	PT1209 2000 12P	B

STANDARD PIT/RISER DRAWINGS

CIVILCAST
Precast & Steel Solutions for Civil

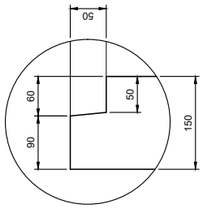
DRAWING	PT1209 2000 15P
TYPE	PRECAST PARALLEL WALL PIT
SIZE (mm)	1200 x 900 x 150 x 2000
COVER (mm)	--------
GRADE	40 MPa
EXPOSURE CLASSIFICATION	--------
WEIGHT (kg)	4275 kg
VOLUME (m^3)	1.71 m3
REO DRAWING	-----

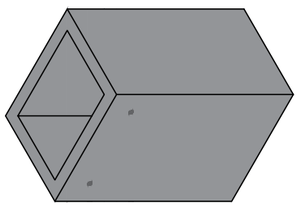
FITMENT SCHEDULE

ITEM	CODE	QTY	SYM
FOOT ANCHORS	ACTECH LIFTFIX 5.0T x 120mm LG	4	⊕

NOTES - PIT SIZE 1200 x 900 x 2000:
1. WALL THICKNESS 150mm
2. PENETRATIONS TO PROJECT SPECIFICATIONS
3. PIT DEPTH ADJUSTABLE TO PROJECT SPECIFICATIONS (MAX 2.0m INTERNAL HEIGHT)
4. FIBRE REINFORCED. (STEEL REINFORCED DESIGN AVAILABLE UPON REQUEST TO MEET PROJECT SPECIFIC REQUIREMENTS)
5. REBATE OPTIONAL - SEE DETAIL 1

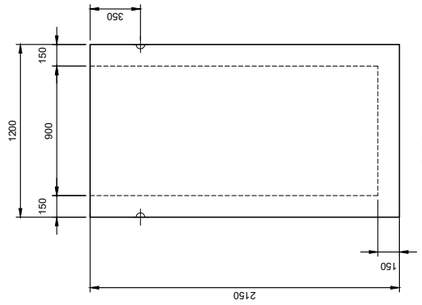
DETAIL 1
N.T.S.



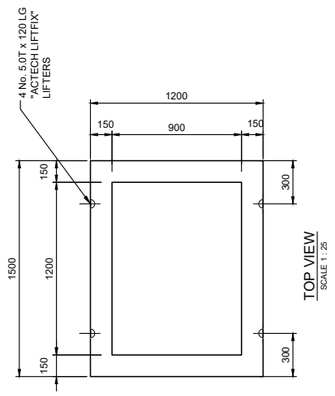


ISOMETRIC

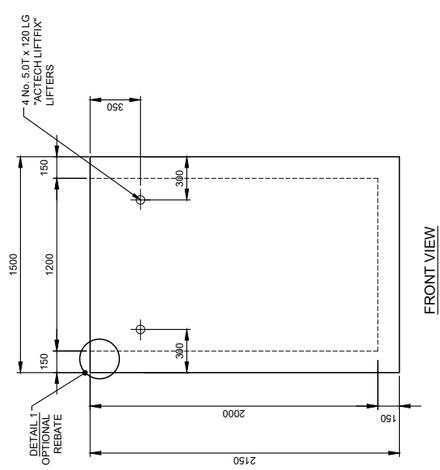
PRODUCT MASS - 4275 KG



SIDE VIEW
SCALE 1 : 25



TOP VIEW
SCALE 1 : 25



FRONT VIEW
SCALE 1 : 25

REV	REVISION DETAILS	DRN	DATE	CHK
A	ISSUED FOR MANUFACTURE	IA	06.01.25	BL
B	ADDED NOTE 5	IA	21.05.25	BL

CLIENTS APPROVAL
DATE:

PRECAST CONCRETE PIT
1200mm x 900mm x 2000mm
WITH 150mm THK WALL & 150mm THK BASE
PRODUCT DRAWING

SHEET#	SCALE	SIZE	DRWG NO.	REV
1/1	1:25	A3	PT1209 2000 15P	B

CIVILCAST
Precast & Steel Solutions for Civil

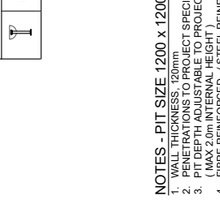
DRAWING	PT1212 2000 12P
TYPE	PRECAST PARALLEL WALL PIT
SIZE (mm)	1200 x 1200 x 120 x 2000
COVER (mm)	--------
GRADE	40 MPa
EXPOSURE CLASSIFICATION	--------
WEIGHT (kg)	3946 kg
VOLUME (m^3)	1.58 m3
REO DRAWING	-----

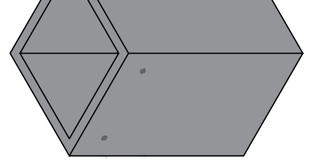
FITMENT SCHEDULE

ITEM	CODE	QTY	SYM
FOOT ANCHORS	ACTECH LIFTFIX 5.0T x 95mm LG	4	⊕

NOTES - PIT SIZE 1200 x 1200 x 2000:
1. WALL THICKNESS 120mm
2. PENETRATIONS TO PROJECT SPECIFICATIONS
3. PIT DEPTH ADJUSTABLE TO PROJECT SPECIFICATIONS (MAX 2.0m INTERNAL HEIGHT)
4. FIBRE REINFORCED. (STEEL REINFORCED DESIGN AVAILABLE UPON REQUEST TO MEET PROJECT SPECIFIC REQUIREMENTS)
5. REBATE OPTIONAL - SEE DETAIL 1

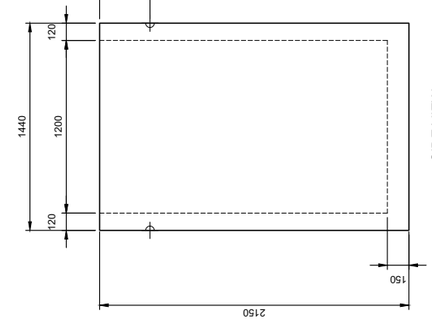
DETAIL 1
N.T.S.



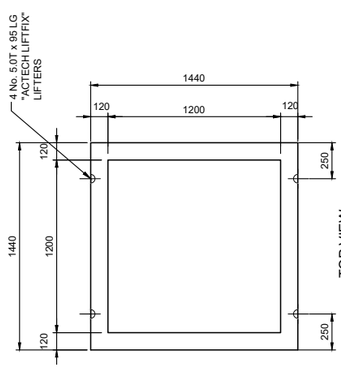


ISOMETRIC

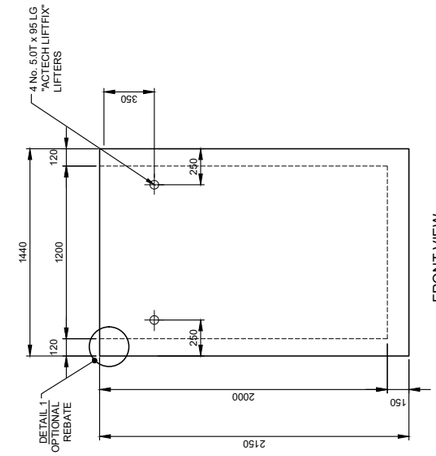
PRODUCT MASS - 3946 KG



SIDE VIEW
SCALE 1 : 25



TOP VIEW
SCALE 1 : 25



FRONT VIEW
SCALE 1 : 25

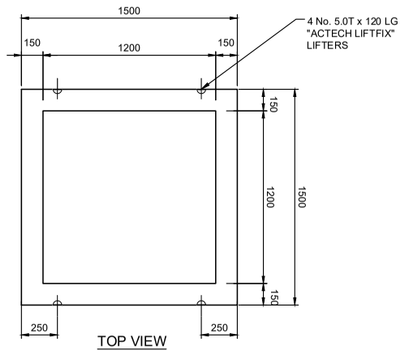
REV	REVISION DETAILS	DRN	DATE	CHK
A	ISSUED FOR INFORMATION	IA	17.11.23	JT
B	UPDATED DRWG TEMPLATE	IA	07.01.25	BL
C	ADDED NOTE 5	IA	21.05.25	BL

CLIENTS APPROVAL
DATE:

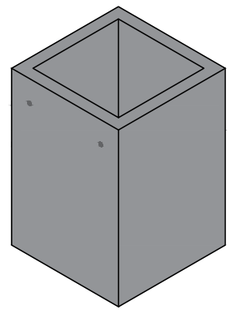
PRECAST CONCRETE PIT
1200mm x 1200mm x 2000mm
WITH 120mm THK WALL & 150mm THK BASE
PRODUCT DRAWING

SHEET#	SCALE	SIZE	DRWG NO.	REV
1/1	1:25	A3	PT1212 2000 12P	C

STANDARD PIT/RISER DRAWINGS



TOP VIEW
SCALE 1 : 25



ISOMETRIC

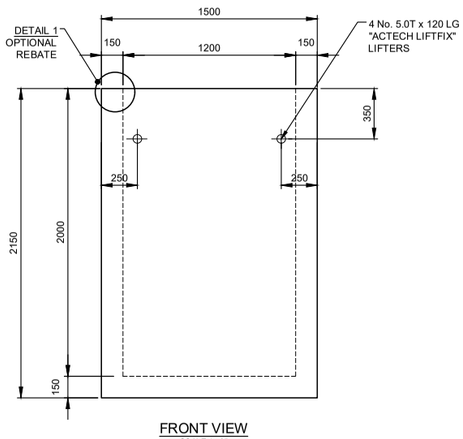
PRODUCT MASS - 4833 KG

CIVILCAST
Precast & Steel Solutions for Civil

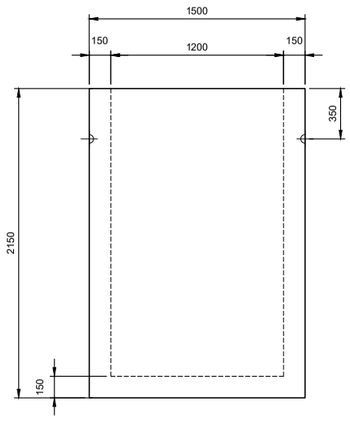
DRAWING	PT1212 2000 15P
TYPE	PRECAST PARALLEL WALL PIT
SIZE (mm)	1200 x 1200 x 150 x 2000
COVER (mm)	--------
GRADE	40 MPa
EXPOSURE CLASSIFICATION	--------
WEIGHT (kg)	4833 kg
VOLUME (m³)	1.94 m3
REO DRAWING	-----

FITMENT SCHEDULE

ITEM		CODE	QTY	SYM
	FOOT ANCHORS	ACTECH LIFTFIX 5.0T x 120mm LG	4	

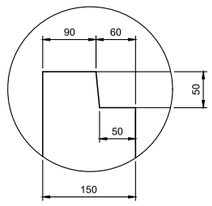


FRONT VIEW
SCALE 1 : 25



SIDE VIEW
SCALE 1 : 25

NOTES - PIT SIZE 1200 x 1200 x 2000:
1. WALL THICKNESS, 150mm
2. PENETRATIONS TO PROJECT SPECIFICATIONS
3. PIT DEPTH ADJUSTABLE TO PROJECT SPECIFICATIONS (MAX 2.0m INTERNAL HEIGHT)
4. FIBRE REINFORCED. (STEEL REINFORCED DESIGN AVAILABLE UPON REQUEST TO MEET PROJECT SPECIFIC REQUIREMENTS)
5. REBATE OPTIONAL - SEE DETAIL 1

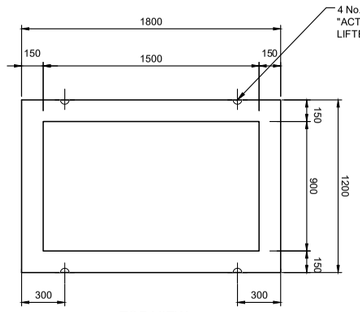


DETAIL 1
N.T.S.

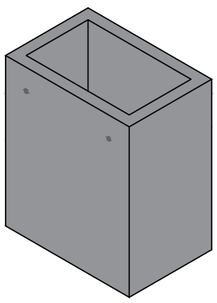
REV	REVISION DETAILS	DRN	DATE	CKD	CLIENT'S APPROVAL
A	ISSUED FOR INFORMATION	IA	17.11.23	JT	
B	UPDATED DRWG TEMPLATE	IA	07.01.25	BL	
C	ADDED NOTE 5	IA	21.05.25	BL	
					DATE:

PRECAST CONCRETE PIT
1200mm x 1200mm x 2000mm
WITH 150mm THK WALL & 150mm THK BASE
PRODUCT DRAWING

SHEET#	SCALE	SIZE	DRWG NO.	REV
1/1	1:25	A3	PT1212 2000 15P	C



TOP VIEW
SCALE 1 : 25



ISOMETRIC

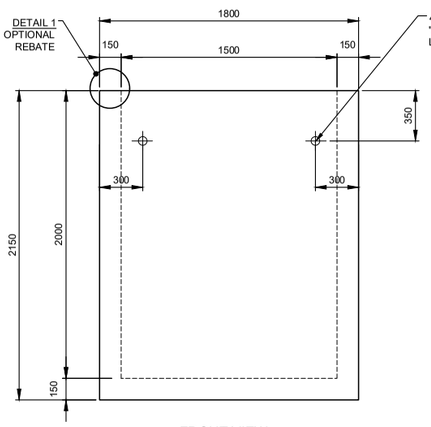
PRODUCT MASS - 4860 KG

CIVILCAST
Precast & Steel Solutions for Civil

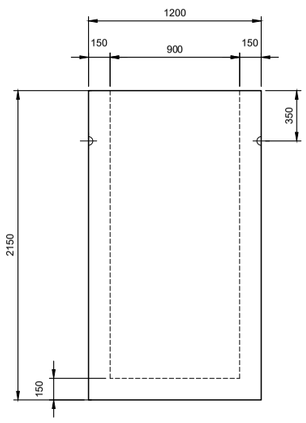
DRAWING	PT1509 2000 15P
TYPE	PRECAST PARALLEL WALL PIT
SIZE (mm)	1500 x 900 x 150 x 2000
COVER (mm)	--------
GRADE	40 MPa
EXPOSURE CLASSIFICATION	--------
WEIGHT (kg)	4860 kg
VOLUME (m³)	1.95 m3
REO DRAWING	-----

FITMENT SCHEDULE

ITEM		CODE	QTY	SYM
	FOOT ANCHORS	ACTECH LIFTFIX 5.0T x 120mm LG	4	

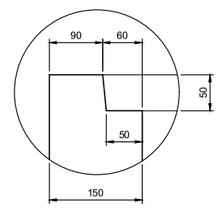


FRONT VIEW
SCALE 1 : 25



SIDE VIEW
SCALE 1 : 25

NOTES - PIT SIZE 1500 x 900 x 2000:
1. WALL THICKNESS, 150mm
2. PENETRATIONS TO PROJECT SPECIFICATIONS
3. PIT DEPTH ADJUSTABLE TO PROJECT SPECIFICATIONS (MAX 2.0m INTERNAL HEIGHT)
4. FIBRE REINFORCED. (STEEL REINFORCED DESIGN AVAILABLE UPON REQUEST TO MEET PROJECT SPECIFIC REQUIREMENTS)
5. REBATE OPTIONAL - SEE DETAIL 1



DETAIL 1
N.T.S.

REV	REVISION DETAILS	DRN	DATE	CKD	CLIENT'S APPROVAL
A	ISSUED FOR MANUFACTURE	IA	06.01.25	BL	
B	ADDED NOTE 5	IA	21.05.25	BL	
					DATE:

PRECAST CONCRETE PIT
1500mm x 900mm x 2000mm
WITH 150mm THK WALL & 150mm THK BASE
PRODUCT DRAWING

SHEET#	SCALE	SIZE	DRWG NO.	REV
1/1	1:25	A3	PT1509 2000 15P	B

STANDARD PIT/RISER DRAWINGS

CIVILCAST
Precast & Steel Solutions for Civil

DRAWING	PT1515 2000 15P
TYPE	PRECAST PARALLEL WALL PIT
SIZE (mm)	1500 x 1500 x 150 x 2000
COVER (mm)	-------
GRADE	40 MPa
EXPOSURE CLASSIFICATION	-------
WEIGHT (kg)	6165 kg
VOLUME (m³)	2.47 m3
REO DRAWING	-----

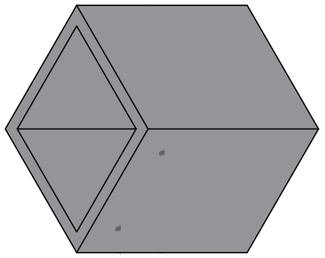
FITMENT SCHEDULE

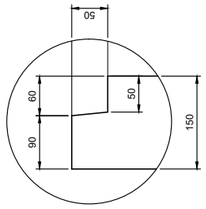
ITEM	CODE	QTY	SYM
FOOT ANCHORS	ACTECH LIFTFIX 5.0T x 120mm LG	4	⊕

NOTES - PIT SIZE 1500 x 1500 x 2000:
1. WALL THICKNESS, 150mm
2. PENETRATIONS TO PROJECT SPECIFICATIONS
3. PIT DEPTH ADJUSTABLE TO PROJECT SPECIFICATIONS (MAX 2.0m INTERNAL HEIGHT)
4. FIBRE REINFORCED STEEL REINFORCED DESIGN AVAILABLE UPON REQUEST TO MEET PROJECT SPECIFIC REQUIREMENTS)
5. REBATE OPTIONAL - SEE DETAIL 1

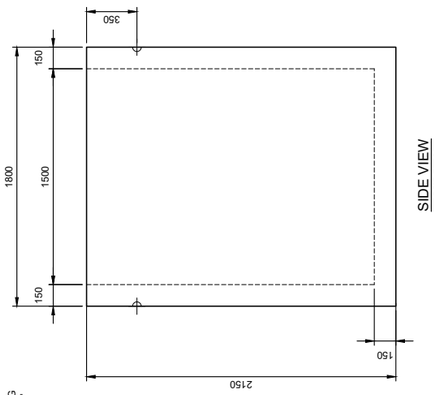
ISOMETRIC

PRODUCT MASS - 6165 KG

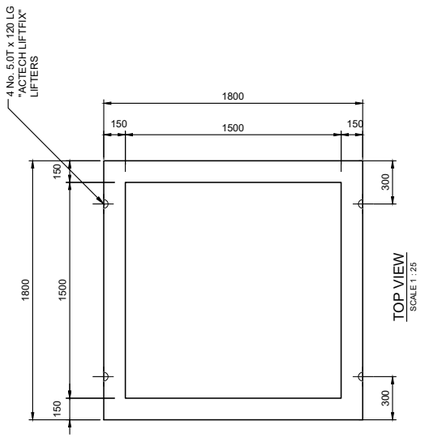




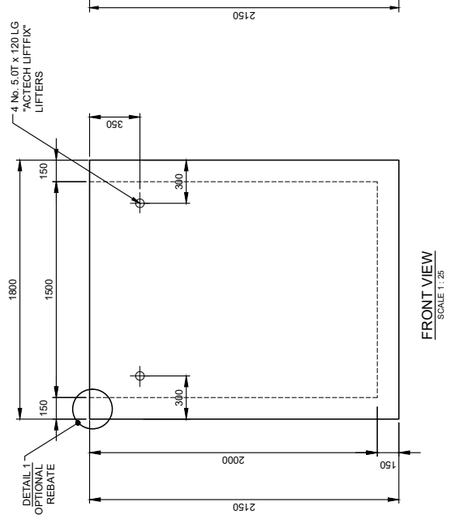
DETAIL 1
N.T.S.



SIDE VIEW
SCALE 1 : 25



TOP VIEW
SCALE 1 : 25



FRONT VIEW
SCALE 1 : 25

REV	REVISION DETAILS	DRN	DATE	CHD
A	ISSUED FOR MANUFACTURE	IA	06.01.25	BL
B	ADDED NOTE 5	IA	21.05.25	BL

CLIENTS APPROVAL

DATE:

PRECAST CONCRETE PIT
1500mm x 1500mm x 2000mm
WITH 150mm THK WALL & 150mm THK BASE
PRODUCT DRAWING

SHEET#	SCALE	SIZE	DRWG NO.	REV
1/1	1:25	A3	PT1515 2000 15P	B

NOTES

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Beresfield NSW 2332

QUEENSLAND
Unit 5, 84-160 Christensen Road South,
Stapylton QLD 4207

MANUFACTURING
4 Quarry Road
Stapylton QLD 4207 underneath

VICTORIA
77 Canterbury Road,
Montrose VIC 3765

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