

Our ref

F-AA-31116

Enquiries

Henry Tan (9388 4936)

Tony D'Agnone General Manager Maddington Concrete Products 66 Kelvin Road Maddington WA 6109

Dear Mr D'Agnone,

APPROVAL OF THE MADDINGTON CONCRETE PRODUCTS SEPTIC TANKS

I am pleased to advise that the above approval has been granted for use of the Maddington Concrete Products Septic Tanks in Western Australia under:

Brand name: Maddington Concrete Products

Model name: 1500 x 1500mm (MCP S1)

1200 x 1500mm (MCP S2) 1800 x 1830mm (MCP S3) 1800 x 1530mm (MCP S4)

Approval is granted in accordance with the attached conditions of approval and the approved plans.

The above documents all bear the official approval stamp of the Western Australian Department of Health (DOH). These documents may not be altered in any manner without the prior approval of the Executive Director Public Health.

If you have any questions regarding this approval, please contact Henry Tan on (08) 9388 4936.

Yours sincerely

Richard Theobald

delegate of

EXECUTIVE DIRECTOR

PUBLIC HEALTH

14 October 2015













Government of Western Australia Department of Health

Delivering a Healthy WA

MADDINGTON CONCRETE PRODUCTS SEPTIC TANKS

APPROVAL NUMBER F-AA-31116 CONDITIONS OF APPROVAL

This is to certify that the Maddington Concrete Products Septic Tank

Model Designation: 1500 x 1500mm (MCP S1)

1200 x 1500mm (MCP S2) 1800 x 1830mm (MCP S3) 1800 x 1530mm (MCP S4)

Manufactured by: Maddington Concrete Products

66 Kelvin Road

Maddington WA 6109

is approved by the Executive Director, Public Health under the Health (Treatment of Sewage and Disposal of Effluent and Liquid Waste) Regulations 1974 for use within Western Australia in accordance with the conditions specified in Schedules 1 and 2.

Date of Issue:

14 October 2015

This approval is valid till 18 February 2020 or until withdrawn by the Executive Director, Public Health

Richard Theobald

delegate of

EXECUTIVE DIRECTOR

PUBLIC HEALTH

SCHEDULE 1: GENERAL DESCRIPTION

SPECIFICATION SUMMARY

Maddington Concrete Products Septic Tanks	1500 (ID) X 1500 (H)	1200 (ID) X 1500 (H)	1800 (ID) X 1830 (H)	1800 (ID) X 1530 (H)
Type of Concrete used	N32 Concrete			
Tank Specifications				
Effective Volume, L	1970	1269	3335	2571
Tank Weight empty, kg	1840	1380	3600	3100
Tank Height, mm	1530	1530	1830	1530
Tank Inlet level height, mm	1210	1160	1510	1210
Tank Outlet level height, mm	1160	1160	1460	1160
Internal Diameter, mm	1500	1200	1800	1800
External Diameter, mm	1630	1350	1980	1980
Wall thickness, mm	65	65	90	90
Base thickness, mm	75	75	150	150
Diameter of inlet and outlet, mm	Up to 100 mm pipe installed in 110 mm hole			
Lifting Eye size & weight bearing	Lids: 1.3 tonne Capacity Ancon lifting anchor and clutch Tanks: No lifting cast in. Lifting done with spreader bar through cast in holes.			
Lid thickness				
Trafficable Lid, mm	150	150	150	150
Non-Trafficable Lid, mm	65	65	N/A	N/A
Method of attaching lid to tank	Lid self weight			

SCHEDULE 2: CONDITIONS OF APPROVAL

1. General

- **1.1** Approval is granted in accordance with the drawings submitted and stamped by Department of Health.
- **1.2** No alteration to the design or specification of the MADDINGTON CONCRETE PRODUCTS Septic Tanks shall occur without prior approval of the Executive Director, Public Health.
- 1.3 Any changes to the design or the construction of the MADDINGTON CONCRETE PRODUCTS Septic Tanks shall be submitted for assessment and approval to the Department of Health before being made commercially available in Western Australia.
- **1.4** Conditions of approval may be varied or withdrawn at the discretion of the Executive Director, Public Health.
- 1.5 The serviceable life of the MADDINGTON CONCRETE PRODUCTS Septic Tanks and associated fittings shall be a minimum of 15 years provided it is installed in accordance with MADDINGTON CONCRETE PRODUCTS Pty Ltd recommendations.
- **1.6** Each MADDINGTON CONCRETE PRODUCTS Septic Tank shall be permanently and legibly marked on a non-corrosive metal plaque or equivalent, attached on the top external face of the tank adjacent to the inlet fitting with the following information:
 - The brand name of the system;
 - The manufacturer's name or registered trademark;
 - The month and year of manufacture.
 - The capacity in litres
 - Top load limitations and maximum depth of cover
 - The weight of tank
 - Top load limitations and maximum depth of cover

All marking shall be permanent, legible and clearly visible.

- 1.7 The manufacturer shall provide the following information to each Local Government where it is intended to install a MADDINGTON CONCRETE PRODUCTS Septic Tank:
 - Statement of serviceable life
 - Quality Assurance Certification
 - Installation Manual
 - Owner's Manual
 - Engineering Drawings on A3 format
 - Detailed Specifications
 - A4 Plans
 - Approval documentation from Department of Health WA.

2 Installation and Commissioning

- 2.1 For each installation, an application for approval to install shall be in the form of an application to install an apparatus as required under the Health (Treatment of Sewage and Disposal of Effluent and Liquid Waste) Regulations 1974. Each application for installation shall be made to the Local Government and include full plans and specifications, a completed Application to Construct or Install an Apparatus for the Treatment of Sewage form, and pay all fees as prescribed.
- 2.2 The installation of each MADDINGTON CONCRETE PRODUCTS Septic Tank shall comply with the installation instructions specified by MADDINGTON CONCRETE PRODUCTS Pty Ltd and shall comply with minimum clearances from buildings and property boundaries as per Local Government requirements.
- 2.3 The MADDINGTON CONCRETE PRODUCTS Septic Tanks shall be installed so that the inspection openings of the tank are at (or above) ground level and installation shall be in accordance with the installation instructions specified by MADDINGTON CONCRETE PRODUCTS Pty Ltd.
- 2.4 The installer is to certify that the system has been installed in accordance to the installation manual, the construction approval and any additional requirements of the Local Government.
- **2.5** The MADDINGTON CONCRETE PRODUCTS Septic Tanks shall be supplied, constructed and installed in accordance with this approval.
- 2.6 The manufacturer shall supply with each MADDINGTON CONCRETE PRODUCTS Septic Tanks an owner's manual, which sets out the care, operation, and maintenance and on-going management requirements of the system.

3 On-going Management

- 3.1 The owner's manual prepared by the manufacturer shall contain a plan for the on-going management of the MADDINGTON CONCRETE PRODUCTS Septic Tanks which include details of:
 - the treatment process.
 - procedures to be followed in the event of a system failure,
 - emergency contact numbers,
 - maintenance requirements including de-sludging operations.

4 Permitted uses

4.1 The MADDINGTON CONCRETE PRODUCTS Septic Tanks are only approved for below ground installations.

5 Reduction in nutrient levels

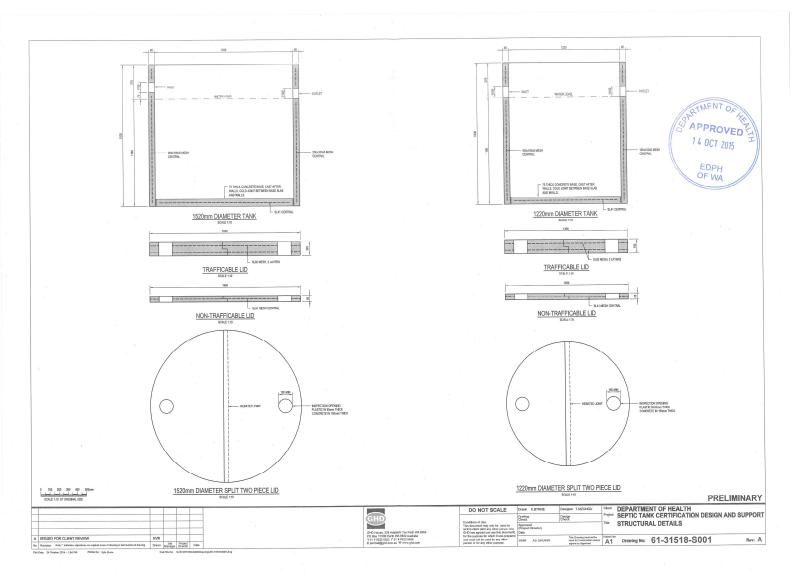
5.1 The MADDINGTON CONCRETE PRODUCTS Septic Tanks are not approved as a phosphorus or nitrogen removal system.

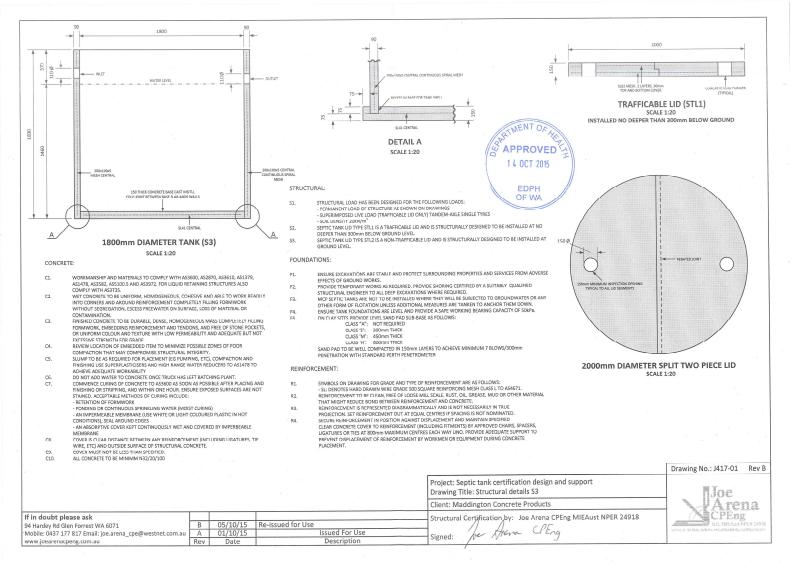
Richard Theobald delegate of

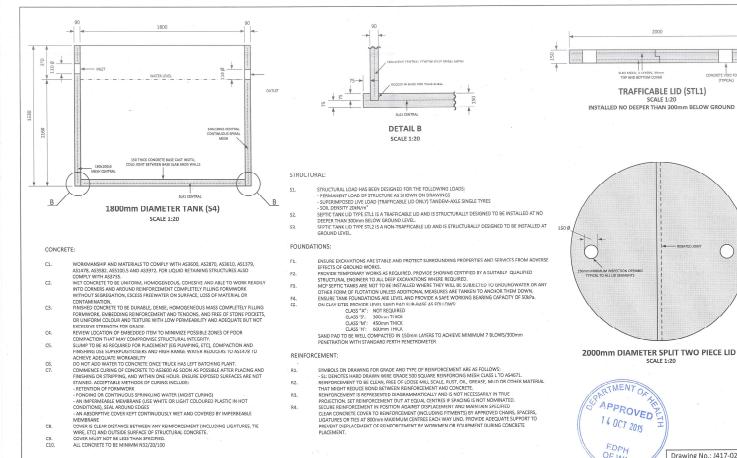
EXECUTIVE DIRECTOR PUBLIC HEALTH

14 October 2015

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R3.

R4.

Issued For Use

05/10/15 Re-issued for use 01/10/15

B A Rev

CS. C9.

If in doubt please ask

94 Hardey Rd Glen Forrest WA 6071 Mobile: 0437 177 817 Email: joe.arena_cpe@westnet.com.au www.joearenacpeng.com.au

APPROVED

Drawing No.: J417-02 Rev B

Joe

Arena CPEng

1 4 OCT 2015

EDPH

OF WA

Project: Septic tank certification design and support

Structural Certification by: Joe Arena CPEng MIEAust NPER 24918

CPEng

Drawing Title: Structural details S4

Client: Maddington Concrete Products