

FOR PUBLIC RELEASE

GNC Concrete & Precast
58 Goulds Road
NARNGULU WA 6532

Our Ref: 2014-101

Attention: Steve Easton

Dear Steve

RE: GNC CONCRETE & PRECAST- SOAKWELLS, SEPTIC TANK & LEACH DRAIN PRECAST UNITS

As requested we have analysed the septic tanks, leach drains and soak wells that GNC Concrete & Precast produce.


We can confirm that the below listed drawing numbers & Products of GNC Concrete & Precast comply with AS/NZS 1546:1:2008 and comply with the Department of Health's code of practice.

Septic Tanks

Based on our design analysis and with reference to the relevant Australian Standards we advise as follows.

Drawing Number	Description
ST058A – 101 & 102	1200 diameter X 1500 high
ST060A – 101 & 102	1500 diameter X 1500 high
ST061A – 101 & 102	1800 diameter X 1500 high (JUMBO)

Redacted for website publication

The wall thickness of the above noted sizes of septic tanks reinforced with  reinforcement will meet or exceed the requirements set out by the Department of Health's code of practice & AS/NZS 1546:1:2008, if made in accordance with the above mentioned drawings & installed in accordance with GNC Concrete & Precast installation manual & Home owners guide.

Septic Tank Lids

Based on our design analysis and with reference to the relevant Australian Standards we advise as follows.

LID NAME	LID THICKNESS	FOR TANK DIAMETER
NON TRAFFIC	65MM	1200mm & 1500mm
LIGHT TRAFFIC	100MM	1200mm & 1500mm
HEAVY TRAFIC	150MM	1200mm & 1500mm
EXTRA HEAVY TRAFIC	200MM	1800mm

The thickness of the above noted sizes of lids will meet or exceed the requirements set out by the Department of Health's code of practice & AS/NZS 1546:1:2008, if made in accordance with the above mentioned drawings & installed in accordance with GNC Concrete & Precast installation manual & Home owners guide.

Leach Drains

Based on our design analysis and with reference to the relevant Australian Standards we advise as follows.

Drawing Number	Description
LD084-101	1200mm Leach Drain Isometric View
LD084-102	1200mm Leach Drain Views & Arrangement Details
LD084-103	1200mm Leach Drain Sectional Views & Details

Redacted for website publication

The wall thickness of the above noted leach Drains Reinforced with [REDACTED] reinforcement will meet or exceed the requirements set out by the Department of Health's code of practice & AS/NZS 1546:1:2008, if made in accordance with the above mentioned drawings and installed in accordance with GNC Concrete & Precast installation manual & Home owners guide.

Soak Wells

Based on our design analysis and with reference to the relevant Australian Standards we advise as follows.

Drawing Number	Description
SW001- 101 & 102	600 diameter X 600 high Soak Well
SW002 101 & 102	900 diameter X 600 high Soak Well
SW003 101 & 102	900 diameter X 900 high Soak Well
SW004 101 & 102	1200 diameter X 600 high Soak Well
SW005 101 & 102	1200 diameter X 900 high Soak Well
SW006 101 & 102	1200 diameter X 1200 high Soak Well
SW007 101 & 102	1500 diameter X 600 high Soak Well
SW008 101 & 102	1500 diameter X 900 high Soak Well
SW009 101 & 102	1500 diameter X 1200 high Soak Well
SW009A 101 & 102	1500 diameter X 1500 high Soak Well
SW010 101 & 102	1800 diameter X 600 high Soak Well
SW011 101 & 102	1800 diameter X 900 high Soak Well
SW012 101 & 102	1800 diameter X 1200 high Soak Well

The wall thickness of the above noted sizes of Soak wells reinforced with [REDACTED] reinforcement will meet or exceed the requirements set out by the Department of Health's code of practice & AS/NZS 1546:1:2008, if made in accordance with the above mentioned drawings & installed in accordance with GNC Concrete & Precast installation manual & Home owners guide.

Trusting the above satisfies your requirements however should you need further information please contact our office.

Yours faithfully



Chris Robinson Dip Struct Eng; AMIEAust; Reg Bldr 6261
Managing Director
for Pretec Consultants Pty. Ltd.

21 November 2014