

Date
15 April 2019

Revision
A

Champion Homes
PO Box 95
HOXTON PARK NSW 2171

Our Ref AWT53452
Your Ref N184066
Tiemens

Soil Permeability as per AS1547-2012

Lot 42, No. 7 Brighton Street, Curl Curl

$$K_{sat} = 0.97 \text{ cm/min or } 0.16 \text{ litres/sec/m}^2$$

Please find attached the results of the Soil Permeability test, log sections and site sketch, undertaken at the above address.

Providing the system is designed by a suitably qualified person for the recommended design Ksat, above, and the system is located a minimum setback distance of 1.5m from any adjacent property boundary and infrastructure, we do not see any reason why this proposal should not proceed to construction.

It should also be noted that we encountered xw-rock at the test location. The presence of shallow bedrock may result in an onsite disposal system that is not feasible for the above parameters and restrictions.

Although no water table was encountered during our testing, a perched water table or water seepage can occur during or after wet periods, generally where a porous layer overlies less porous strata.

If you have any queries please do not hesitate to contact the writer.

Yours faithfully

AW Geotechnics Pty Ltd



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RPGeo (Geotechnical Engineering)
Affil.I.E. (Aus)., M.A.G.S.,
QBCC No 616675 (Site Classifier)

Log Sections

TEST SITE 1				
Depth (mm)	Description Soil Type-Colour-Consistency	FILL	DCP	PP kPa
100	SILTY SAND (gy/brn)			
200	sl moist and med dense			
300	SAND (gy/or) sl moist and dense			
400	UTP XW ROCK H/A			
500				
600				
700				
800				
900				
1000				
1100				
1200				
1300				
1400				
1500				
1600				
1700				
1800				
1900				
2000				

NOMENCLATURE: UTP= Unable to Penetrate DCP= 9kg Dynamic Cone Penetrometer PP = Pocket Penetrometer A=Auger XW-ROCK=Extremely Weathered Rock Refer Tables 7.3.2 & 7.3.3 AS1726-1993 gy=grey or=orange yell=yellow rd=red wh=white brn=brown bk=black bl=blue gr=green Refer AS1726-1993 Clause A2.4 for classifying soils.

Site Photographs



Site Sketch (Not to scale)

