

29 August 2017 Project No. SGS/17/020

Naric Civil PO Box 150 REDBANK QLD 4301

# RE: CERTIFICATE OF CONTROLLED FILLING LOCATION: RIVERBANK ESTATE STAGE 12 (12C PORTION) - CABOOLTURE

### LOT NO. 636

Fill was placed on the above allotment during the construction of the above mentioned estate.

SGS Australia Pty Ltd was commissioned on this project to provide earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the SGS Australia Pty Ltd report (Project No. SGS/17/020) dated 29/8/2017.

Based on the test results and site inspections, SGS Australia Pty Ltd concludes that the fill foundation to a depth of not less than 150mm and placement of compacted fill on Lot 636 as defined laterally in the attached drawing is considered to comply with the requirements of Table 5.1 of AS 3798 and the project specification.

All fill in the areas defined in the attached drawing, within the time frame of our inspection and testing programme between 2/5/2017 and 23/6/2017 (excluding topsoil placed subsequent to completion of controlled filling) is considered to be "Controlled Fill" in accordance with AS 2870 "Residential Slabs and Footings" (Clause 6.4.2 (a)) and AS 3798.

Unless otherwise stated, Level 1 certification does not address any other geotechnical issues which may be relevant to building construction and serviceability.

A full geotechnical site investigation/classification and foundation design for the specific ground conditions should be carried out by suitably qualified and experienced personnel, prior to building when the house type and location is known. This service can be provided if required, by contacting SGS Australia Pty Ltd on 3481 9444.

Yours faithfully,

# SGS AUSTRALIA PTY LTD

Dean Wilson SGS-17-020-LC-29-8-2017.docx

Cassandra Barclay RPEQ 8846

encl. Drawing showing lateral extent of controlled filling

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# RE: CERTIFICATE OF CONTROLLED FILLING LOCATION: RIVERBANK ESTATE STAGE 12 (12C PORTION) - CABOOLTURE

### LOT NO. 637

Fill was placed on the above allotment during the construction of the above mentioned estate.

SGS Australia Pty Ltd was commissioned on this project to provide earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the SGS Australia Pty Ltd report (Project No. SGS/17/020) dated 29/8/2017.

Based on the test results and site inspections, SGS Australia Pty Ltd concludes that the fill foundation to a depth of not less than 150mm and placement of compacted fill on Lot 637 as defined laterally in the attached drawing is considered to comply with the requirements of Table 5.1 of AS 3798 and the project specification.

All fill in the areas defined in the attached drawing, within the time frame of our inspection and testing programme between 2/5/2017 and 23/6/2017 (excluding topsoil placed subsequent to completion of controlled filling) is considered to be "Controlled Fill" in accordance with AS 2870 "Residential Slabs and Footings" (Clause 6.4.2 (a)) and AS 3798.

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# RE: CERTIFICATE OF CONTROLLED FILLING LOCATION: RIVERBANK ESTATE STAGE 12 (12C PORTION) - CABOOLTURE

### LOT NO. 638

Fill was placed on the above allotment during the construction of the above mentioned estate.

SGS Australia Pty Ltd was commissioned on this project to provide earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the SGS Australia Pty Ltd report (Project No. SGS/17/020) dated 29/8/2017.

Based on the test results and site inspections, SGS Australia Pty Ltd concludes that the fill foundation to a depth of not less than 150mm and placement of compacted fill on Lot 638 as defined laterally in the attached drawing is considered to comply with the requirements of Table 5.1 of AS 3798 and the project specification.

All fill in the areas defined in the attached drawing, within the time frame of our inspection and testing programme between 2/5/2017 and 23/6/2017 (excluding topsoil placed subsequent to completion of controlled filling) is considered to be "Controlled Fill" in accordance with AS 2870 "Residential Slabs and Footings" (Clause 6.4.2 (a)) and AS 3798.

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# RE: CERTIFICATE OF CONTROLLED FILLING LOCATION: RIVERBANK ESTATE STAGE 12 (12C PORTION) - CABOOLTURE

### LOT NO. 639

Fill was placed on the above allotment during the construction of the above mentioned estate.

SGS Australia Pty Ltd was commissioned on this project to provide earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the SGS Australia Pty Ltd report (Project No. SGS/17/020) dated 29/8/2017.

Based on the test results and site inspections, SGS Australia Pty Ltd concludes that the fill foundation to a depth of not less than 150mm and placement of compacted fill on Lot 639 as defined laterally in the attached drawing is considered to comply with the requirements of Table 5.1 of AS 3798 and the project specification.

All fill in the areas defined in the attached drawing, within the time frame of our inspection and testing programme between 2/5/2017 and 23/6/2017 (excluding topsoil placed subsequent to completion of controlled filling) is considered to be "Controlled Fill" in accordance with AS 2870 "Residential Slabs and Footings" (Clause 6.4.2 (a)) and AS 3798.

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# RE: CERTIFICATE OF CONTROLLED FILLING LOCATION: RIVERBANK ESTATE STAGE 12 (12C PORTION) - CABOOLTURE

### LOT NO. 640

Fill was placed on the above allotment during the construction of the above mentioned estate.

SGS Australia Pty Ltd was commissioned on this project to provide earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the SGS Australia Pty Ltd report (Project No. SGS/17/020) dated 29/8/2017.

Based on the test results and site inspections, SGS Australia Pty Ltd concludes that the fill foundation to a depth of not less than 150mm and placement of compacted fill on Lot 640 as defined laterally in the attached drawing is considered to comply with the requirements of Table 5.1 of AS 3798 and the project specification.

All fill in the areas defined in the attached drawing, within the time frame of our inspection and testing programme between 2/5/2017 and 23/6/2017 (excluding topsoil placed subsequent to completion of controlled filling) is considered to be "Controlled Fill" in accordance with AS 2870 "Residential Slabs and Footings" (Clause 6.4.2 (a)) and AS 3798.

Unless otherwise stated, Level 1 certification does not address any other geotechnical issues which may be relevant to building construction and serviceability.

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# RE: CERTIFICATE OF CONTROLLED FILLING LOCATION: RIVERBANK ESTATE STAGE 12 (12C PORTION) - CABOOLTURE

### <u>LOT NO. 641</u>

Fill was placed on the above allotment during the construction of the above mentioned estate.

SGS Australia Pty Ltd was commissioned on this project to provide earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the SGS Australia Pty Ltd report (Project No. SGS/17/020) dated 29/8/2017.

Based on the test results and site inspections, SGS Australia Pty Ltd concludes that the fill foundation to a depth of not less than 150mm and placement of compacted fill on Lot 641 as defined laterally in the attached drawing is considered to comply with the requirements of Table 5.1 of AS 3798 and the project specification.

All fill in the areas defined in the attached drawing, within the time frame of our inspection and testing programme between 2/5/2017 and 23/6/2017 (excluding topsoil placed subsequent to completion of controlled filling) is considered to be "Controlled Fill" in accordance with AS 2870 "Residential Slabs and Footings" (Clause 6.4.2 (a)) and AS 3798.

Unless otherwise stated, Level 1 certification does not address any other geotechnical issues which may be relevant to building construction and serviceability.

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# RE: CERTIFICATE OF CONTROLLED FILLING LOCATION: RIVERBANK ESTATE STAGE 12 (12C PORTION) - CABOOLTURE

### LOT NO. 642

Fill was placed on the above allotment during the construction of the above mentioned estate.

SGS Australia Pty Ltd was commissioned on this project to provide earthworks inspection and testing services on a Level 1 basis as detailed in Clause 8.2 of AS 3798-2007 "Guidelines on earthworks for commercial and residential developments". Full details of the inspection and testing program are provided in the SGS Australia Pty Ltd report (Project No. SGS/17/020) dated 29/8/2017.

Based on the test results and site inspections, SGS Australia Pty Ltd concludes that the fill foundation to a depth of not less than 150mm and placement of compacted fill on Lot 642 as defined laterally in the attached drawing is considered to comply with the requirements of Table 5.1 of AS 3798 and the project specification.

All fill in the areas defined in the attached drawing, within the time frame of our inspection and testing programme between 2/5/2017 and 23/6/2017 (excluding topsoil placed subsequent to completion of controlled filling) is considered to be "Controlled Fill" in accordance with AS 2870 "Residential Slabs and Footings" (Clause 6.4.2 (a)) and AS 3798.

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Cassandra Barclay RPEQ 8846

encl. Drawing showing lateral extent of controlled filling

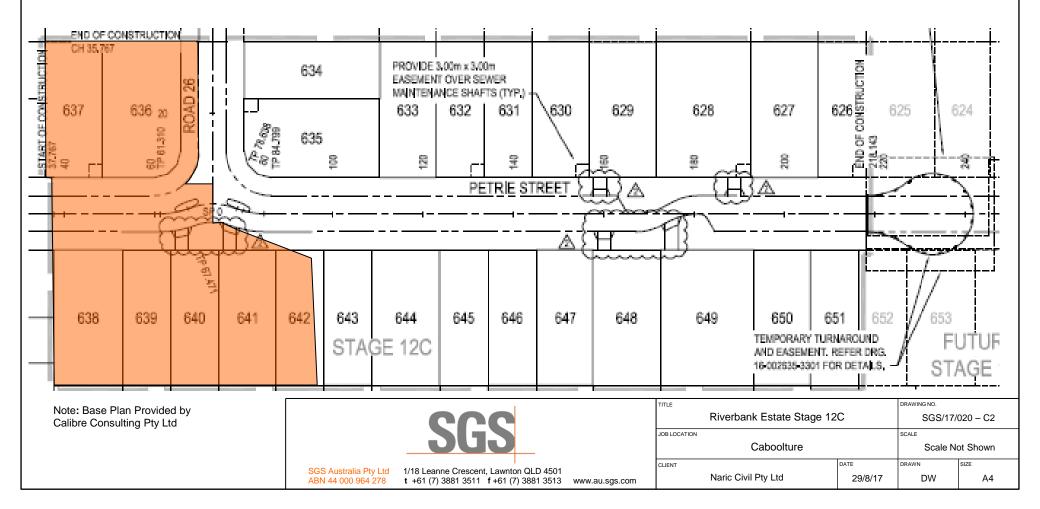
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Approximate lateral extent of Level 1 fill (controlled filling).

Controlled fill certification is limited to within this area. Unless specifically stated in the report, level 1 compaction control and certification does not address or include:

• backfill to service trenches and/or retaining walls (including boulder walls); and

• topsoil placed subsequent to completion of controlled filling.



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