COMPLETE CONSTRUCTION ENGINEERING PTY LTD
Consulting & Building Construction
9. Penguin Parade. HINCHINBROOK NSW 2168
M: 0419 183 175
E-mail: h_alijagic@bigpond.com

For:	Al-Faisal College	Building Class:	9/9b
Location:	65-69 Croydon Street, Lakemba	Drawings:	S-20 & S-21
		Date:	13.10.2023

Our Ref: 48/10-23

Ref.: Proposed Works-Basement filling

We, Complete Construction Engineering Pty Ltd, being Structural and Civil Engineers within the meaning of the Building Code of Australia, hereby confirm that this office was responsible for the review and assessment of the suitability of the non-granular fill and styrobloc product, as proposed in the above-mentioned plans.

It has been noted that the proposed fill material is a Styrofoam (Styrobloc) product with the following properties: Width-1200 mm, Depth-600 mm, Length-2400 mm to 5000 mm

Engineering plans S-20 & S-21 provide Styrobloc's layout and installation details indicating distinctive separation between water channels along the basement's perimeter and the fill material, resulting in the basement seepage having no contact with the fill material (Styrobloc).

Regardless of the fact that the fill material is not in contact with the subsoil seepage, it is important to state that the Styrobloc product has a very low water absorption characteristic and as such would, in case of contact with water, absorb an insignificant amount of water, which when released from the styroblocs' pores would not carry any residue or material associated with the loose like compaction materials.
Shotcrete cover over the Styroblocs would prevent any contact of the proposed fill material and basement seepage.
Ground water seepage from all three sides is collected within the channel, which is then conveyed by stormwater piped system into the storm water pump out pit

In conclusion to the above narrative, the undersigned has no objection in supporting the proposed product and the work methodology in respect to ground water quality entering the downstream stormwater system.

CERTIFICATION
Responsibility for this staement is acknowledged as follows:

Name of the person signing : Hasan Alijagic BCEng., MEng.Sci., PhD CEng.,

Position : Civil/Structural Engineer

MIEAust. CPEng. NER APEC Engineer IntPE(Aust)/NER No: 829521
Class 2 DBPS Registration Number: DEP0002437 (Drainage, Civil Eng., Structural Eng.)
Class 2 DBPS Registration Number: PRE0001604 (Civil, Structural)

Digitally signed by Dr. Hasan Alijagic
DN: cn=Dr. Hasan Alijagic, o, ou=Complete Construction Engineering Pty Ltd, email=h_alijagic@bigpond.com, c=AU
Date: 2023.10.13 06:18:44 +11'00'