

政府總部
運輸及房屋局

運輸科
香港添馬添美道 2 號
政府總部東翼



Transport and
Housing Bureau

Government Secretariat
Transport Branch
East Wing, Central Government Offices,
2 Tim Mei Avenue,
Tamar, Hong Kong
電話 Tel. No.: 3509 8182
傳真 Fax No.: 2136 8017

本局檔號 Our Ref.: THB(T)CR 75/1/4661/00
來函檔號 Your Ref.:

電郵(jhlching@legco.gov.hk)

香港中區立法會道 1 號
立法會綜合大樓
立法會秘書處
交通事務委員會秘書
(經辦人：程凱莉女士)

程女士：

**有關港珠澳大橋香港段及相關工程的
混凝土測試報告涉嫌造假事件**

在立法會交通事務委員會 2017 年 6 月 5 日的特別會議上，有議員要求政府就題述事宜提供補充資料，現綜合回覆如下：

關於土木工程拓展署外判試驗所涉嫌在混凝土磚測試報告中「造假」一事，根據該署於 2017 年 5 月及 6 月提供的資料，港珠澳大橋香港段工程(即香港口岸及香港接線)及屯門至赤鱗角連接路工程，共有 346 個混凝土磚測試結果出現異常情況。該 346 個混凝土磚測試結果所對應的工程部分包括 179 個地面上或海面上的結構位置、96 個地面下或海面下的結構位置(包括樁柱位置)及 71 個非結構位置。相關位置圖、以及混凝土生產和供應質量規範認證證書樣本分別載於附件一及附件二。

土木工程拓展署於 2017 年 6 月的新聞公報中表示，該署已從測試結果的原始數據完成分析所有從 2013 年 1 月至 2017 年 3 月(亦即涉事試驗所運作的期間)，涉及港珠澳大橋香港口岸及香港接線工程和屯門至赤鱗角連接路工程的受影響混凝土批次的強度。分析結果顯示所有懷疑有問題的 346 個測試紀錄沒有影響最終的測試結果，並對符合土木工程拓展署發出的《土木工程一般規格》的要求沒有構成影響。

然而，為釋除公眾疑慮，路政署於 2017 年 5 月委聘了一間專業機構為上述三個工程項目所使用的混凝土進行一個額外的全面及有系統的抗壓強度覆檢。土木工程拓展署轄下常設的混凝土科技常務委員會亦確認了專業機構的額外覆檢工作的測試範圍及取樣方法等安排。

正如路政署於 2017 年 11 月的新聞公報中表示，該專業機構已為上述三個工程項目用作建造結構物(包括地面上或海面上的結構及地面下或海面下的結構)的混凝土作了充分的測試及分析，包括在所有懷疑有問題的 346 個混凝土磚測試結果所對應的位置進行混凝土抗壓強度覆檢(包括在地面上或海面上的結構位置進行「打石屎槍」測試、在地面上或海面上的結構位置及樁柱石屎芯抽樣「取芯」進行混凝土壓力測試等)，並為上述三個工程於 2013 年 1 月至 2017 年 3 月期間，用作建造結構物的混凝土進行額外的全面混凝土抗壓強度覆檢(包括於地面上或海面上的結構位置進行「打石屎槍」測試，以及抽樣「取芯」進行混凝土壓力測試)。所有測試結果及分析均顯示混凝土的強度符合要求。

此外，路政署於 2018 年 1 月公布，在香港接線高架橋段進行的負重荷載測試及有關分析工作已經完成，分析結果顯示香港接線高架橋段的橋樑結構全部符合設計承載能力的要求。

上述各項測試結果驗證了港珠澳大橋香港口岸、香港接線及屯門至赤鱗角連接路工程的質量安全。

運輸及房屋局局長

(李詠彤

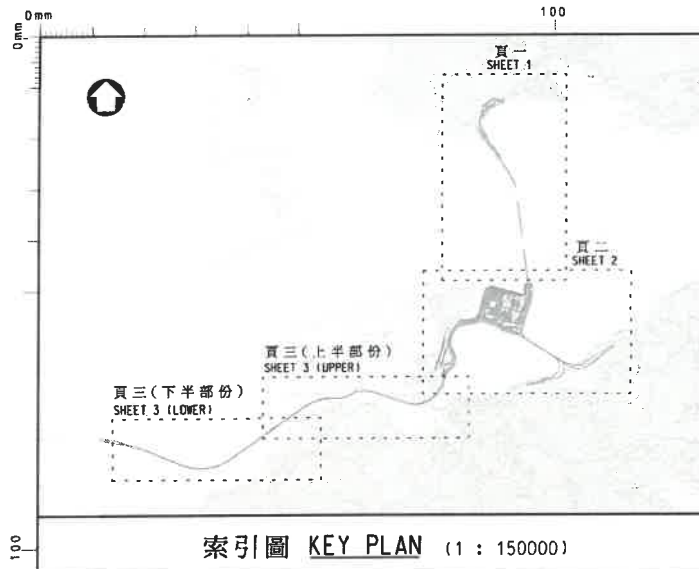


代行)

二零一八年七月九日

副本送：

路政署主要工程管理處處長(專責事務)江大榮先生
(傳真：3188 6614)



備註：
LEGEND :

- 地面上或海面上的結構位置
ABOVE - GROUND OR ABOVE - SEA STRUCTURAL LOCATIONS
- 地面下或海面下的結構位置 (包括樁柱位置)
BELOW - GROUND OR BELOW - SEA STRUCTURAL LOCATIONS (INCLUDING PILES)
- 非結構位置
NON - STRUCTURAL LOCATIONS

望后石
Mong Hau Shek

屯門
TUEN MUN

屯門至赤鱸角連接路
TUEN MUN - CHEK LAP KOK LINK

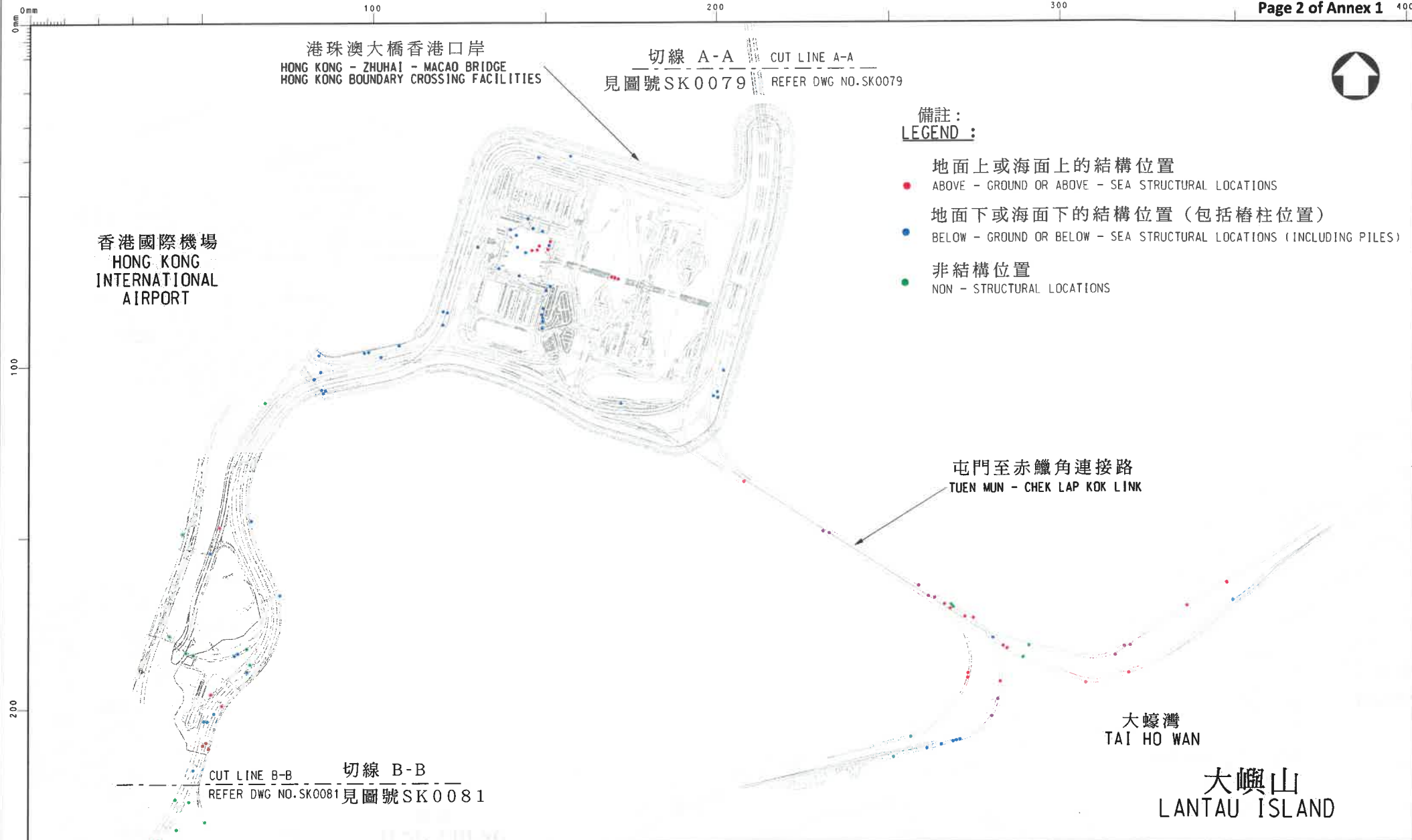
切線 A-A CUT LINE A-A
見圖號 SK0080
REFER DWG NO. SK0080

圖別名稱 drawing title

港珠澳大橋 - 混凝土磚測試結果所對應的工程部份 (頁一)
HONG KONG - ZHUHAI - MACAO BRIDGE
- WORKS LOCATIONS CORRESPONDING TO THE CONCRETE CUBES (SHEET 1)

圖號 Drawing no.
SK0079

比例 scale
1:15000
OR
AS SHOWN



備註：
LEGEND :

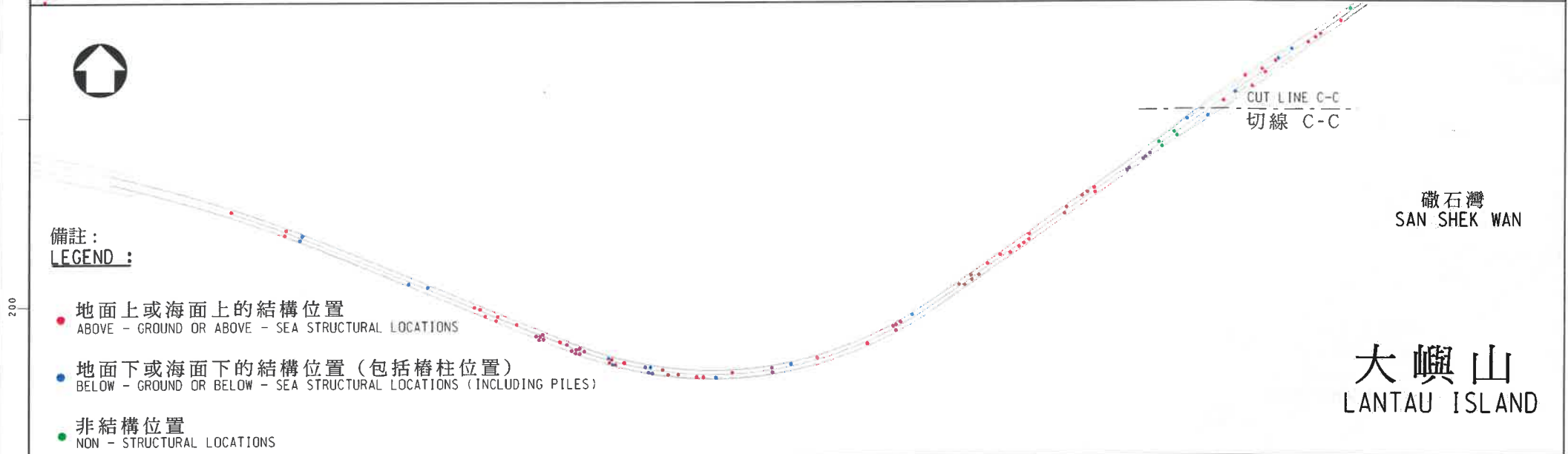
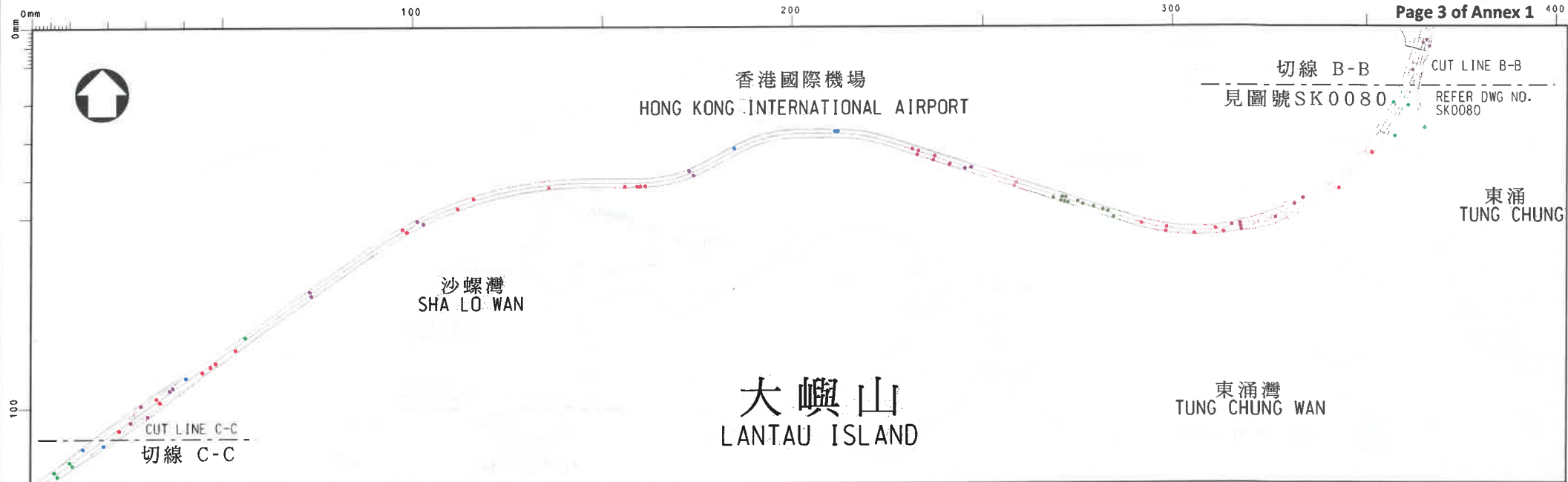
- 地面上或海面上的結構位置
ABOVE - GROUND OR ABOVE - SEA STRUCTURAL LOCATIONS
- 地面下或海面下的結構位置 (包括樁柱位置)
BELOW - GROUND OR BELOW - SEA STRUCTURAL LOCATIONS (INCLUDING PILES)
- 非結構位置
NON - STRUCTURAL LOCATIONS

圖則名稱 drawing title
港珠澳大橋 - 混凝土磚測試結果所對應的工程部份 (頁二)
HONG KONG - ZHUHAI - MACAO BRIDGE
- WORKS LOCATIONS CORRESPONDING TO THE CONCRETE CUBES (SHEET 2)

圖號 Drawing no.
SK0080

比例 scale
1:15000





圖則名稱 drawing title

港珠澳大橋 - 混凝土磚測試結果所對應的工程部份 (頁三)
HONG KONG - ZHUHAI - MACAO BRIDGE
- WORKS LOCATIONS CORRESPONDING TO THE CONCRETE CUBES (SHEET 3)

圖號 Drawing no. SK0081	比例 scale 1:15000
--------------------------	---------------------

Certificate No: CC 2757



This is to certify that the Quality Management System of

**ANDERSON CONCRETE LIMITED
Kwun Tong Plant - Leg D and E**

Room 1901A 19/F One Harbourfront 18 Tak Fung Street Hung Hom Kowloon Hong Kong

(The certification locations and scopes are listed in Appendix)

*complies with the requirements of ISO 9001 : 2008 quality management system standard,
applicable to:*

Design, production and supply of ready mixed concrete and ready-to-use mortars

*The certificate remains valid subject to satisfactory maintenance of the system
which will be monitored by Hong Kong Quality Assurance Agency.*

Signed for and on behalf of

HONG KONG QUALITY ASSURANCE AGENCY



Chief Executive Officer

Director

Registered address 19/F K Wah Centre 191 Java Road North Point Hong Kong Tel (852) 2202 9111 Fax (852) 2202 9222
Note: In accordance with the Agency Regulations, the Hong Kong Quality Assurance Agency undertakes no liability or responsibility for any product or service supplied by the organization in accordance with the requirements of this Certification Scheme. The use of the Accreditation mark(s) shown on this certificate (if applicable) indicates accreditation in respect of those activities covered by that Accreditation Authority. This certificate remains the property of HKQAA and shall be returned when required by the Agency. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001 : 2008 requirements may be obtained by consulting the organization.



Date of Granting	29 June 2004	Expiry Date	28 June 2016
Effective Date (Recertification / Extension)	29 June 2013	Amendment Date	11 June 2013



Certificate of Product Conformity

This Certificate is issued to

ANDERSON CONCRETE LIMITED Kwun Tong Plant - Leg D and E

Room 1901A 19/F One Harbourfront 18 Tak Fung Street Hung Hom Kowloon Hong Kong

(The certification locations and scopes are listed in Appendix)

which complied with the requirements of

Quality Scheme for the Production and Supply of Concrete (QSPSC) : 2009

applicable to:

Ready mixed concrete

Product conformity certificates are awarded on the basis of assessment of the production facilities and quality control systems, plus testing of the product, all coupled with assessment of the supporting quality system. The certificate remains valid subject to satisfactory maintenance of the scheme requirement which will be monitored by Hong Kong Quality Assurance Agency.

Signed for and on behalf of

HONG KONG QUALITY ASSURANCE AGENCY

Chief Executive Officer

Director



Registered address 19/F K. Wah Centre 191 Java Road North Point Hong Kong Tel (852) 2202 9111 Fax (852) 2202 9222

Note In accordance with the Agency Regulations, the Hong Kong Quality Assurance Agency undertakes no liability or responsibility for any product or service supplied by the organization in accordance with the requirements of this Certification Scheme. The use of the Accreditation mark(s) shown on this certificate (if applicable) indicates accreditation in respect of those activities covered by that Accreditation Authority. This certificate remains the property of HKQAA and shall be returned when required by the Agency.

Date of Granting 29 June 2004

Expiry Date 28 June 2016

Effective Date (Recertification / Extension) 29 June 2013

Amendment Date 11 June 2013



This is to certify that the Quality Management System of

ANDERSON CONCRETE LIMITED Tsing Yi West Plant

Room 1901A 19/F One Harbourfront 18 Tak Fung Street Hung Hom Kowloon Hong Kong

(The certification locations and scopes are listed in Appendix)

*complies with the requirements of ISO 9001 : 2008 quality management system standard,
applicable to:*

Design, production and supply of ready mixed concrete and ready-to-use mortars

*The certificate remains valid subject to satisfactory maintenance of the system
which will be monitored by Hong Kong Quality Assurance Agency.*

Signed for and on behalf of

HONG KONG QUALITY ASSURANCE AGENCY

Chief Executive Officer

Director



Registered address 19/F K Wah Centre 191 Java Road North Point Hong Kong Tel (852) 2202 9111 Fax (852) 2202 9222
Note: In accordance with the Agency Regulations, the Hong Kong Quality Assurance Agency undertakes no liability or responsibility for any product or service supplied by the organization in accordance with the requirements of this Certification Scheme. The use of the Accreditation mark(s) shown on this certificate (if applicable) indicates accreditation in respect of those activities covered by that Accreditation Authority. This certificate remains the property of HKQAA and shall be returned when required by the Agency. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001 : 2008 requirements may be obtained by consulting the organization.

Date of Granting 29 June 2004 Expiry Date 14 September 2018
Effective Date (Recertification / Extension / Reduced) 29 June 2016 Amendment Date 11 April 2016



Certificate of Product Conformity

This Certificate is issued to

ANDERSON CONCRETE LIMITED **Tsing Yi West Plant**

Room 1901A 19/F One Harbourfront 18 Tak Fung Street Hung Hom Kowloon Hong Kong

(The certification locations and scopes are listed in Appendix)

which complied with the requirements of

Quality Scheme for the Production and Supply of Concrete (QSPSC) : 2014

applicable to:

Ready mixed concrete

Product conformity certificates are awarded on the basis of assessment of the production facilities and quality control systems, plus testing of the product, all coupled with assessment of the supporting quality system. The certificate remains valid subject to satisfactory maintenance of the scheme requirement which will be monitored by Hong Kong Quality Assurance Agency.

Signed for and on behalf of

HONG KONG QUALITY ASSURANCE AGENCY


Chief Executive Officer


Director



Registered address 19/F K. Wah Centre 191 Java Road North Point Hong Kong Tel (852) 2202 9111 Fax (852) 2202 9222
Note In accordance with the Agency Regulations, the Hong Kong Quality Assurance Agency undertakes no liability or responsibility for any product or service supplied by the organization in accordance with the requirements of this Certification Scheme. The use of the Accreditation mark(s) shown on this certificate (if applicable) indicates accreditation in respect of those activities covered by that Accreditation Authority. This certificate remains the property of HKQAA and shall be returned when required by the Agency.

Date of Granting	29 June 2004	Expiry Date	28 June 2019
Effective Date (Recertification / Extension)	29 June 2016	Amendment Date	11 April 2016

Certificate No: CC 2780



This is to certify that the Quality Management System of

ANDERSON CONCRETE LIMITED
Yau Tong Plant

Room 1901A 19/F One Harbourfront 18 Tak Fung Street Hung Hom Kowloon Hong Kong

(The certification locations and scopes are listed in Appendix)

*complies with the requirements of ISO 9001 : 2008 quality management system standard,
applicable to.*

Design, production and supply of ready mixed concrete and ready-to-use mortars

*The certificate remains valid subject to satisfactory maintenance of the system
which will be monitored by Hong Kong Quality Assurance Agency.*

Signed for and on behalf of

HONG KONG QUALITY ASSURANCE AGENCY

Chief Executive Officer

Director



Registered address 19/F K. Wah Centre 191 Java Road North Point Hong Kong Tel (852) 2262-9111 Fax (852) 2202-9222
Note In accordance with the Agency Regulations, the Hong Kong Quality Assurance Agency undertakes no liability or responsibility for any product or service supplied by the organization in accordance with the requirements of this Certification Scheme. The use of the Accreditation mark(s) shown on this certificate (if applicable) indicates accreditation in respect of those activities covered by that Accreditation Authority. This certificate remains the property of HKQAA and shall be returned when required by the Agency. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001 : 2008 requirements may be obtained by consulting the organization.

Date of Granting	30 August 2004	Expiry Date	29 August 2016
Effective Date (Recertification / Extension)	30 August 2013	Amendment Date	11 June 2013



Certificate of Product Conformity

This Certificate is issued to

ANDERSON CONCRETE LIMITED Yau Tong Plant

Room 1901A 19/F One Harbourfront 18 Tak Fung Street Hung Hom Kowloon Hong Kong

(The certification locations and scopes are listed in Appendix)

which complied with the requirements of

Quality Scheme for the Production and Supply of Concrete (QSPSC) : 2009

applicable to:

Ready mixed concrete

Product conformity certificates are awarded on the basis of assessment of the production facilities and quality control systems, plus testing of the product, all coupled with assessment of the supporting quality system. The certificate remains valid subject to satisfactory maintenance of the scheme requirement which will be monitored by Hong Kong Quality Assurance Agency.

Signed for and on behalf of

HONG KONG QUALITY ASSURANCE AGENCY

Chief Executive Officer

Director



Registered address 19/F K. Wah Centre 191 Java Road North Point Hong Kong Tel (852) 2202 9111 Fax (852) 2202 9222
Note: In accordance with the Agency Regulations, the Hong Kong Quality Assurance Agency undertakes no liability or responsibility for any product or service supplied by the organization in accordance with the requirements of this Certification Scheme. The use of the Accreditation mark(s) shown on this certificate (if applicable) indicates accreditation in respect of those activities covered by this Accreditation Authority. This certificate remains the property of HKQAA and shall be returned when required by the Agency.

Date of Granting	30 August 2004	Expiry Date	29 August 2016
Effective Date (Recertification / Extension)	30 August 2013	Amendment Date	11 June 2013