

**Letterhead of Government Secretariat Housing Bureau**

Our Ref. HB 9/2/1/87

Tel. 2509 0306

Your Ref. CB1/PL/HG

Fax. 2509 9988

9 May, 2000

Mrs Mary Tang  
Clerk to the LegCo Panel on Housing  
Legislative Council Building  
8 Jackson Road  
Central  
Hong Kong

Dear Mrs Tang,

**LegCo Panel on Housing  
Follow-up to Special Meeting on 21 January 2000**

I refer to your letter of 22 January and my letter of 23 February 2000 on the request on the Administration to provide the investigation report on the piling works of Tung Chung Area 30 Phases 1, 3 and 4.

The Housing Department has released a report on the adequacy of foundations of all Housing Authority housing blocks under construction to the Legislative Council Panel on Housing in March. The report has already covered the piling works of Tung Chung Area 30 Phases 1 and 3. For your ease of reference, please find attached the relevant extract of the report. As regards the piling works for the commercial blocks in Tung Chung Area 30 Phase 4, the Housing Department has carried out independent inspection and confirmed that all piles are adequate and the buildings are structurally safe.

With best regards,

Yours sincerely,

(Ms Ophelia TSANG)  
for Secretary for Housing

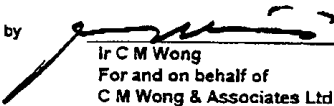
c.c. Director of Housing (Attn: Mr R A Bates)


HONG KONG HOUSING AUTHORITY  
 PREVENTIVE FOUNDATION ENHANCEMENT PROGRAMME

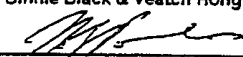
ASSESSMENT REPORT  
 ON  
 ADEQUACY OF FOUNDATIONS  
 FOR  
 TUNG CHUNG AREA 30  
 PHASE 1 BLOCK A

Issue 1

|  |   |
|--|---|
| Type of Foundation                                 | Large Diameter Bored Pile   |
| Referenced Documents                               | The following records have been retrieved and considered as part of this assessment:- <ul style="list-style-type: none"> <li>• Investigation Report of HKHA Tung Chung Area 30 Phase 1 Bored Pile Foundation – Block A (Revision)</li> <li>• Summary Investigation Report of Tung Chung Area 30 Phase 1 Independent Investigation of Foundation works (Revision A)</li> <li>• As-Built Foundation Drawings</li> </ul> |
| Independent Building Monitoring                    | The following field data, which were carried out independently of the foundation and building contractors, have been obtained and analysed for this assessment:- <ul style="list-style-type: none"> <li>• Settlement Monitoring Data</li> <li>• Verticality Checking Data</li> </ul>  |
| Conclusion   | Based on the review of the above records, it is considered that the foundation is satisfactory and causes no concern on the structural safety of the block.   |
| Categorisation based on Latest Building Monitoring | S4 (<1/600) as at 2 February 2000   |
| Recommendation                                     | Routine monitoring  |

Prepared by  - 7 MAR 2000  
 Ir C M Wong  
 For and on behalf of  
 C M Wong & Associates Ltd  
 Date

Checked by  8/2/00  
 Ir Edwin Chung  
 For and on behalf of  
 Binnie Black & Veatch Hong Kong Ltd  
 Date


Endorsed by  9/3/00  
 Prof. P Poulos  
 For and on behalf of  
 Coffey Asia Ltd  
 Date

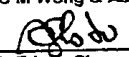
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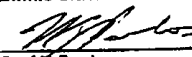
ASSESSMENT REPORT  
 ON  
 ADEQUACY OF FOUNDATIONS  
 FOR  
 TUNG CHUNG AREA 30  
 PHASE 1 BLOCK B

Issue 1

|  |   |
|--|---|
| Type of Foundation                                 | Large Diameter Bored Pile   |
| Referenced Documents                               | The following records have been retrieved and considered as part of this assessment:- <ul style="list-style-type: none"> <li>Investigation Report of HKHA Tung Chung Area 30 Phase 1 Bored Pile Foundation – Block B (Revision)</li> <li>Summary Investigation Report of Tung Chung Area 30 Phase 1 Independent Investigation of Foundation works (Revision A)</li> <li>As-Built Foundation Drawings</li> </ul> |
| Independent Building Monitoring                    | The following field data, which were carried out independently of the foundation and building contractors, have been obtained and analysed for this assessment:- <ul style="list-style-type: none"> <li>Settlement Monitoring Data</li> <li>Verticality Checking Data</li> </ul>  |
| Conclusion   | Based on the review of the above records, it is considered that the foundation is satisfactory and causes no concern on the structural safety of the block.   |
| Categorisation based on Latest Building Monitoring | S4 (<1/600) as at 2 February 2000   |
| Recommendation                                     | Routine monitoring  |

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 Ir C M Wong  
 For and on behalf of  
 C M Wong & Associates Ltd  
 Date

Checked by  8/3/00  
 Ir Edwin Chung  
 For and on behalf of  
 Binnie Black & Veatch Hong Kong Ltd  
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Endorsed by  9/3/00  
 Prof H Poulos  
 For and on behalf of  
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 Date

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ASSESSMENT REPORT  
 ON  
 ADEQUACY OF FOUNDATIONS  
 FOR  
 TUNG CHUNG AREA 30  
 PHASE 1 BLOCK C

Issue 1

|  |   |
|--|---|
| Type of Foundation                                 | Large Diameter Bored Pile   |
| Referenced Documents                               | The following records have been retrieved and considered as part of this Assessment:- <ul style="list-style-type: none"> <li>• Investigation Report of HKHA Tung Chung Area 30 Phase 1 Bored Pile Foundation – Block C (Revision)</li> <li>• Summary Investigation Report of Tung Chung Area 30 Phase 1 Independent Investigation of Foundation works (Revision A)</li> <li>• As-Built Foundation Drawings</li> </ul> |
| Independent Building Monitoring                    | The following field data, which were carried out independently of the foundation and building contractors, have been obtained and analysed for this assessment:- <ul style="list-style-type: none"> <li>• Settlement Monitoring Data</li> <li>• Verticality Checking Data</li> </ul>  |
| Conclusion   | Based on the review of the above records, it is considered that the foundation is satisfactory and causes no concern on the structural safety of the block.   |
| Categorisation based on Latest Building Monitoring | S4 (<1/600) as at 2 February 2000   |
| Recommendation                                     | Routine monitoring  |

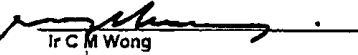
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| Checked by  |  | 8/3/00       |
|             | Ir Edwin Chung<br>For and on behalf of<br>Binnie Black & Veatch Hong Kong Ltd       | Date         |
| Endorsed by |  | 9/3/00       |
|             | Prof H Poulos<br>For and on behalf of<br>Coffey Asia Ltd                            | Date         |

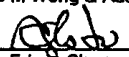
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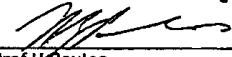
ASSESSMENT REPORT  
 ON  
 ADEQUACY OF FOUNDATIONS  
 FOR  
 TUNG CHUNG AREA 30  
 PHASE 3 BLOCK 1

Issue 1

|  |  |
|--|--|
| Type of Foundation                                 | Large Diameter Bored Pile  |
| Referenced Documents                               | The following records have been retrieved and considered as part of this assessment:- <ul style="list-style-type: none"> <li>• Registered Structural Engineer's Report</li> <li>• As-Built Foundation Records</li> <li>• As-Built Foundation Drawings</li> <li>• Ground Investigation Records</li> </ul> |
| Independent Building Monitoring                    | The following field data, which were carried out independently of the foundation and building contractors, have been obtained and analysed for this assessment:- <ul style="list-style-type: none"> <li>• Settlement Monitoring Data</li> <li>• Verticality Checking Data</li> </ul>                     |
| Conclusion   | Based on the review of the above records, it is considered that the foundation is satisfactory and causes no concern on the structural safety of the block.  |
| Categorisation based on Latest Building Monitoring | S4 (<1/600) as at 6 January 2000   |
| Recommendation                                     | Routine monitoring   |

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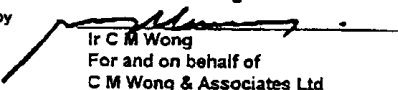

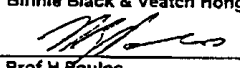
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ASSESSMENT REPORT  
 ON  
 ADEQUACY OF FOUNDATIONS  
 FOR  
 TUNG CHUNG AREA 30  
 PHASE 3 BLOCK 2

Issue 1

|  |  |
|--|--|
| Type of Foundation                                 | Large Diameter Bored Pile  |
| Referenced Documents                               | The following records have been retrieved and considered as part of this assessment:- <ul style="list-style-type: none"> <li>• Registered Structural Engineer's Report</li> <li>• As-Built Foundation Records</li> <li>• As-Built Foundation Drawings</li> <li>• Ground Investigation Records</li> </ul> |
| Independent Building Monitoring                    | The following field data, which were carried out independently of the foundation and building contractors, have been obtained and analysed for this assessment:- <ul style="list-style-type: none"> <li>• Settlement Monitoring Data</li> <li>• Verticality Checking Data</li> </ul>                     |
| Conclusion   | Based on the review of the above records, it is considered that the foundation is satisfactory and causes no concern on the structural safety of the block.  |
| Categorisation based on Latest Building Monitoring | S4 (<1/600) as at 6 January 2000   |
| Recommendation                                     | Routine monitoring   |

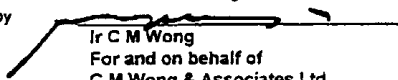

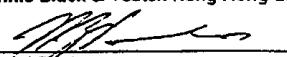
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| Prepared by |  | - 7 MAR 2000 |
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|             | Ir Edwin Chung<br>For and on behalf of<br>Binnie Black & Veatch Hong Kong Ltd       | Date         |
| Endorsed by |  | 9/3/00       |
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ASSESSMENT REPORT  
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 FOR  
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 PHASE 3 BLOCK 3

Issue 1

|  |  |
|--|--|
| Type of Foundation                                 | Steel H-Pile   |
| Referenced Documents                               | The following records have been retrieved and considered as part of this assessment:- <ul style="list-style-type: none"> <li>• Registered Structural Engineer's Report</li> <li>• As-Built Foundation Records</li> <li>• As-Built Foundation Drawings</li> <li>• Ground Investigation Records</li> </ul> |
| Independent Building Monitoring                    | The following field data, which were carried out independently of the foundation and building contractors, have been obtained and analysed for this assessment:- <ul style="list-style-type: none"> <li>• Settlement Monitoring Data</li> <li>• Verticality Checking Data</li> </ul>                     |
| Conclusion   | Based on the review of the above records, it is considered that the foundation is satisfactory and causes no concern on the structural safety of the block.  |
| Categorisation based on Latest Building Monitoring | S4 (<1/600) as at 6 January 2000   |
| Recommendation                                     | Routine monitoring   |

|             |  |                           |
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| Prepared by | <br>Ir C M Wong<br>For and on behalf of<br>C M Wong & Associates Ltd              | <u>7 MAR 2000</u><br>Date |
| Checked by  | <br>Ir Edwin Chung<br>For and on behalf of<br>Binnie Black & Veatch Hong Kong Ltd | <u>8/3/00</u><br>Date     |
| Endorsed by | <br>Prof H Poulos<br>For and on behalf of<br>Coffey Asia Ltd                      | <u>9/3/00</u><br>Date     |



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ASSESSMENT REPORT  
 ON  
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 PHASE 3 BLOCK 4

Issue 1

|  |  |
|--|--|
| Type of Foundation                                 | Large Diameter Bored Pile  |
| Referenced Documents                               | The following records have been retrieved and considered as part of this assessment:- <ul style="list-style-type: none"> <li>• Registered Structural Engineer's Report</li> <li>• As-Built Foundation Records</li> <li>• As-Built Foundation Drawings</li> <li>• Ground Investigation Records</li> <li>• Investigation Report</li> </ul> |
| Independent Building Monitoring                    | The following field data, which were carried out independently of the foundation and building contractors, have been obtained and analysed for this assessment:- <ul style="list-style-type: none"> <li>• Settlement Monitoring Data</li> <li>• Verticality Checking Data</li> </ul>   |
| Conclusion   | Based on the review of the above records, it is considered that the foundation is satisfactory and causes no concern on the structural safety of the block.  |
| Categorisation based on Latest Building Monitoring | S4 (<1/600) as at 6 January 2000   |
| Recommendation                                     | Routine monitoring   |

Prepared by Ir C M Wong Date 7 SEP 00  
 For and on behalf of  
 C M Wong & Associates Ltd

Checked by Ir Edwin Chung Date 8/3/00  
 For and on behalf of  
 Binnie Black & Veatch Hong Kong Ltd

Endorsed by Prof H Poulos Date 9/3/00  
 For and on behalf of  
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