

01 March 2022

By Fax (3748 8900) and By Post

AECOM Asia Co. Ltd.  
The PRE's Office  
550 Cheung Tung Road, Lantau, Hong Kong

Attention: Mr. Jason Yu

Dear Sir,

**Re: Agreement No. CE 48/2011 (EP)  
Environmental Project Office for the  
HZMB Hong Kong Link Road, HZMB Hong Kong Boundary Crossing Facilities, and  
Tuen Mun-Chek Lap Kok Link – Investigation**

**Contract No. HY/2019/01  
HZMB HKBCF – Phase 2 and Other Works  
Proposal for Termination of Air Quality and Noise Monitoring**

Reference is made to the Environmental Team's submission of the Proposal for Termination of Air Quality and Noise Monitoring certified by the ET Leader (ET's ref.: "MCL/ED/0081/2022/C" dated 1 March 2022) and provided to us via e-mail on 1 March 2022.

We are pleased to inform you that we have no further comments on the captioned submission. We write to verify the captioned submission in accordance with Condition 5.1 of the Environmental Permit No. EP-353/2009/K (the EP).

Please be reminded that our verification to the captioned submission does not release any of the obligations as required by the EP or those obligations as per the EM&A Manual under the applicable Environmental Permit for this Project.

Please also be reminded that i) the Monitoring under Contract No. HY/2019/01 shall not be terminated before the proposal is approved by the EPD; ii) the Contractor and RSS shall inform the IEC/ENPO if the works area(s) and/or the scale of the remaining works is/are significantly different from those described in the proposal.

Thank you very much for your attention and please feel free to contact the undersigned should you require further information.

Yours faithfully,  
For and on behalf of  
Ramboll Hong Kong Limited



Brian Tam  
Independent Environmental Checker  
HZMB HKBCF

c.c.	HyD	Attn.: Mr. Patrick Ng	(By Fax: 3188 6614)
	HyD	Attn.: Mr. Alan Ip	(By Fax: 3188 6614)
	Fugro	Attn.: Mr. Calvin Leung	(By Fax: 2450 6138)
	CHEC	Attn.: Mr. Johnason Ko	(By Fax: 2887 3104)

Internal: DY, YH



FUGRO TECHNICAL SERVICES LIMITED

Fugro Development Centre

5 Lok Yi Street, Tai Lam

Tuen Mun, NT

Hong Kong

Date 1 March 2022

Our Ref. MCL/ED/0081/2022/C

Ramboll Hong Kong Limited  
21/F, BEA Harbour View Centre,  
56 Gloucester Road,  
Wan Chai, Hong Kong

BY EMAIL

Attn.: Mr. Brian Tam, Independent Environmental Checker

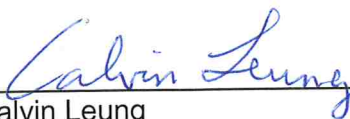
Dear Sir,

**Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Phase 2 and Other Works (Contract No. HY/2019/01)**

Pursuant to Condition 5.1 of the Environmental Permit (EP-353/2009K) for the captioned project, we hereby submit the certified Proposal for Termination of Air Quality and Noise Monitoring for your verification.

Thank you for your attention, should there be any comments or queries, please contact our Mr. Cyrus Lai at 3565-4442 or the undersigned at 3565-4443.

Yours faithfully,  
for and on behalf of  
FUGRO TECHNICAL SERVICES LIMITED

  
\_\_\_\_\_  
Calvin Leung  
Environmental Team Leader

c.c. AECOM Attn: Mr. Jason Yu, Mr. Gordon Kok  
Ramboll Attn: Mr. Y. H. Hui, Mr. K. C. Chan  
CHEC Attn: Mr. Marko Chan, Mr. Matthew Wu



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## Proposal for Termination of Air Quality and Noise Monitoring

0002/20/ED/0405 03 |

**Contact No. HY/2019/01 Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing  
Facilities – Phase 2 and Other Works**

# Document Control



## Document Information

Project Title	Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Phase 2 and Other Works (Contract No. HY/2019/01)
Document Title	Proposal for Termination of Air Quality and Noise Monitoring
Fugro Project No.	0002/20
Fugro Document No.	0002/20/ED/0405
Issue Number	03

## Client Information

Client	China Harbour Engineering Co., Ltd. - Contract No. HY/2019/01
Client Address	China Harbour Building, 370-4 King's Road, North Point Hong Kong
Client Contact	Matthew Wu

## Environmental Team

Initials	Name	Role	Signature
MP	Calvin M.P. Leung	Environmental Team Leader	
CY	Cyrus C.Y. Lai	Senior Environmental Consultant	
KH	Toby K.H. Wan	Assistant Environmental Consultant	

# 1. INTRODUCTION

## 1.1 Background

- 1.1.1 Fugro Technical Services Limited was commissioned by China Harbour Engineering Co. Limited (CHEC) to undertake the Environmental Team (ET) services (including environmental monitoring and audit (EM&A)) for Contract No. HY/2019/01 "Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Phase 2 and Other Works".
- 1.1.2 Contract No. HY/2019/01 is part of the "Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities" (HZMB HKBCF) Project which is a "Designated Project" under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap. 499) and for which an EIA Report (Register No. AEIAR-145/2009) was prepared and approved. The current Environmental Permit (EP) for HKBCF, namely No. EP-353/2009/K, was issued on 11 April 2016. These documents are available through the EIA Ordinance Register. Commencement of the Contract took place on 4 December 2019 and the construction site preparation works commenced in early February 2020.

## 1.2 Purpose of this Proposal

- 1.2.1 As informed by AECOM on 13 January 2022 via email (Shown in **Appendix A-A**), the major works under Contract No. HY/2019/01 will be completed on 28 February 2022. Termination of air quality and noise monitoring is proposed under Condition 5.1 of EP-353/2009/K.

## 2. TERMINATION OF AIR QUALITY AND NOISE MONITORING

### 2.1 Termination Requirement

- 2.1.1 According to the section 4.11 and section 5.9 "The Contractor of Contract No. HY/2019/01 and ET shall review the environmental impact of the works under Contract No. HY/2019/01 and submit termination proposal for verification from IEC and approval from EPD." of the Particular Specification of HY/2019/01, when termination of air quality and noise monitoring is proposed, the environmental impact of the works under Contract No. HY/2019/01 should be reviewed.
- 2.1.2 Termination of air quality and noise monitoring is proposed due to the following reasons:
- 2.1.3 According to the email provided by AECOM, the major works of Contract No. HY/2019/01 will be completed substantially on 28 February 2022.
- 2.1.4 The remaining outstanding construction works are confirmed by AECOM via email. (Shown in **Appendix A-B**) No significant adverse environmental impacts are anticipated in the remaining construction works as no Powered Mechanical Equipment (PME) will be involved in following minor ancillary works. A summary of the remaining construction works is presented in **Table 2.1**.

**Table 2.1** Summary of the Remaining Construction Works

Type of remaining works	Tentative duration of works
1. Minor Installation Works (Electrical & Mechanical (E&M)) with Testing and Commissioning	30 Apr 2022
2. Minor Defect Rectification (Electrical & Mechanical (E&M) and Architectural Builder's Work and Finishes (ABWF))	30 Apr 2022
3. Minor Landscape Works and Subsequent Establishment Works	31-Mar-2022

- 2.1.5 Photo records of the view of the construction site taken on 18 February 2022 are shown in **Appendix B**.

### 3. CONCLUSION

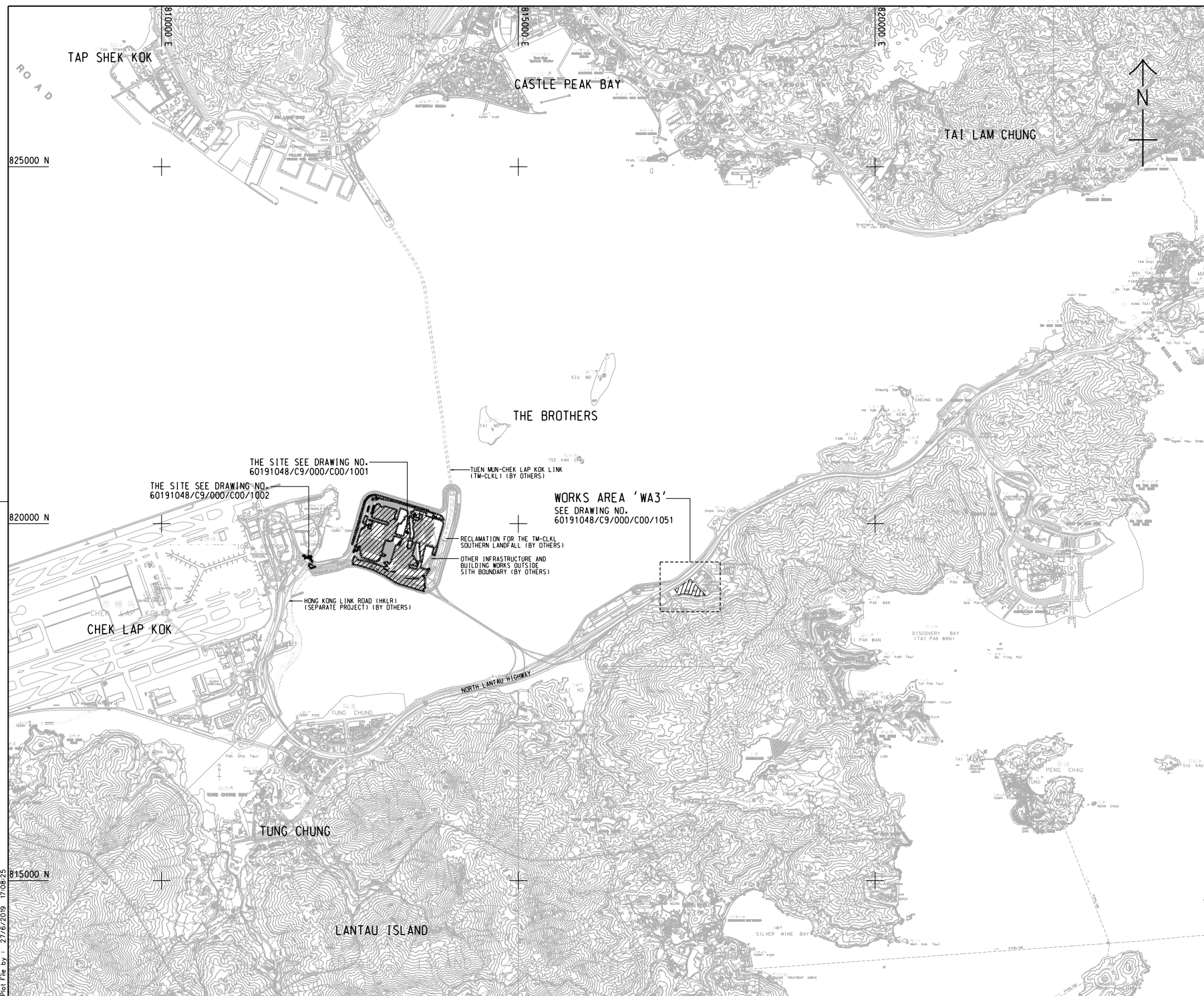
- 3.1.1 Based on the findings, the proposed termination of air quality and noise monitoring is considered as suitable for Contract No. HY/2019/01.



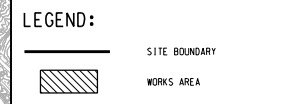
# Figure 1

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Project General Layout



- NOTES:**
- COORDINATES ARE RELATED TO HONG KONG METRIC GRID (1980).
  - DIMENSIONS ARE IN MILLIMETER AND CHAINAGE ARE IN METRES UNLESS OTHERWISE SHOWN.



THE SITE SEE DRAWING NO. 60191048/C9/000/C00/1001

THE SITE SEE DRAWING NO. 60191048/C9/000/C00/1002

WORKS AREA 'WA3'  
SEE DRAWING NO. 60191048/C9/000/C00/1051

TUEN MUN-CHEK LAP KOK LINK (TM-CKLK) (BY OTHERS)

RECLAMATION FOR THE TM-CKLK SOUTHERN LANDFALL (BY OTHERS)

OTHER INFRASTRUCTURE AND BUILDING WORKS OUTSIDE SITE BOUNDARY (BY OTHERS)

HONG KONG LINK ROAD (HKLR) (SEPARATE PROJECT) (BY OTHERS)

REV. NO.	DESCRIPTION	BY	DATE
-	TENDER DRAWING	TTHK	06 JUL 19

**香港高速公路局**  
**HIGHWAYS DEPARTMENT**  
 主要工程管理處 (傳真與函)  
 Major Works Project Management Office (Special Duties)

**香港-珠海-澳門大橋**  
**HONG KONG-ZHUHAI-MACAO BRIDGE**  
 香港-珠海-澳門大橋過境設施  
 - PHASE 2 AND OTHER WORKS

**SITE LOCATION PLAN**

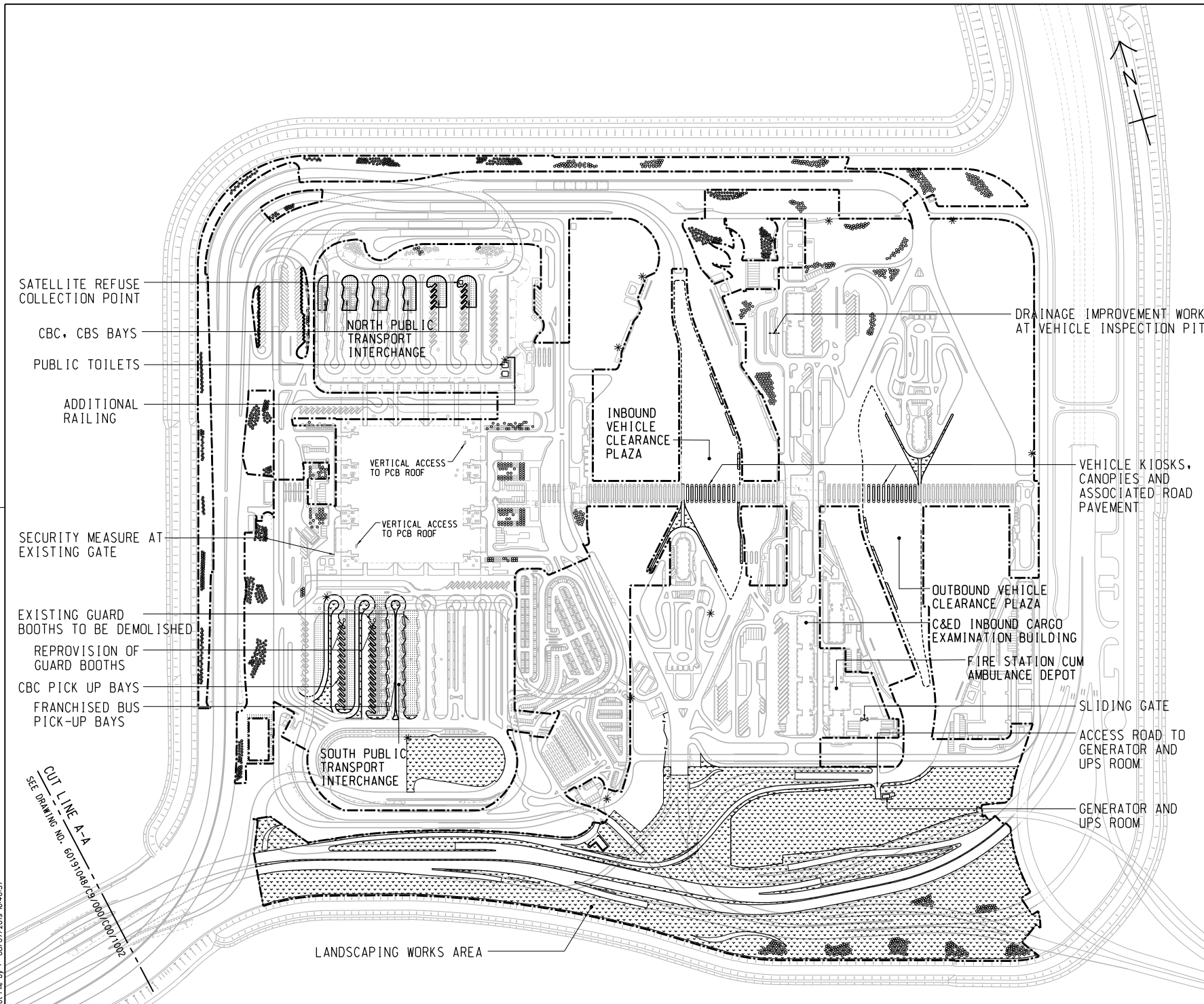
**AECOM** +  
 Rogers Stirk Harbour + Partners  
**Aedas**  
 BURO HAPPOLD ATKINS ADI +

DRG. NO. 圖紙編號 **60191048/C9/000/C00/1000**

DESIGNED BY 設計	TTHK	CONTRACT NO. 合約編號	HY/2019/01	APPROVED BY 核准	SC1
DRAWN BY 繪圖	JC	STATUS 狀態			
SCALE 比例	A1 1 : 25000				
UNIT OF MEASURE 量度單位	METRES				

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Plot File by : 27/6/2019 17:08:25



**REMARKS:**

- IN SPT1:
  - DEMOLISH 2 NOS. EXISTING GUARD BOOTHS AND RE-PROVISION TO REVISED LOCATIONS AS SHOWN
  - CONSTRUCT COVERED WALKWAYS FOR THE NEW FB AND CBC PICK UP BAYS
  - MODIFY EXISTING DUCTING AND POLES FOR ELV SYSTEM, ROAD LIGHTING AND PILLAR BOXES, AND THE ASSOCIATED CABLING WORKS
  - RELOCATE AND REINSTATE 3 NOS. OF EXISTING BUS OPERATOR OFFICES AND FOOD TRUCK
  - REPLACEMENT OF DRAWPIT COVERS
- IN NPT1:
  - CONSTRUCT COVERED WALKWAYS FOR THE NEW CBC, CBS PICK UP BAYS AND PUBLIC TOILETS
  - PROVIDE AUTOMATIC IRRIGATION SYSTEM AT SLOPES
  - MODIFY EXISTING COVERED WALKWAY AND PROVISION OF LIGHTING
  - REPLACEMENT OF DRAWPIT COVERS
- LANDSCAPING WORKS AREA:
  - CONSTRUCT IRRIGATION SYSTEM WITH 13 NOS. OF NEW WATER POINT AND THE AUTOMATIC IRRIGATION SYSTEM AND PROVIDE MAINTENANCE WORKS
  - LANDSCAPE SOFTWORK, ESTABLISHMENT AND MAINTENANCE WORKS
  - CONSTRUCT RIVER WASHED STONE SWATHE AND MAINTENANCE WORKS
  - PROTECT EXISTING PLANTING AND HARD STRUCTURES
- PASSENGER CLEARANCE BUILDING
  - VERTICAL ACCESS
  - IMPROVEMENT WORKS FOR WATER FEATURE
  - MINOR REMAINING WORKS
  - PROVISION OF NEW CENTRAL AVSS EQUIPMENT WITH SUFFICIENT CAPACITY, PROCESSING POWER AND STORAGE TO ACCOMMODATE BOTH THE EXISTING AND NEW AVSS
- VEHICLE KIOSKS AT INBOUND & OUTBOUND VCP
  - PROVISION OF AVSS AT NEW KIOSKS TO SERVE 24 NOS. VEHICULAR LANES
  - REPLACEMENT OF BARRIER GATE WITH SKIRTING AT 72 NOS. EXISTING KIOSK
- C&E INBOUND CARGO EXAMINATION BUILDING
  - PROVISION OF NEW CENTRAL AVSS EQUIPMENT WITH SUFFICIENT CAPACITY, PROCESSING POWER AND STORAGE TO ACCOMMODATE BOTH THE EXISTING AND NEW AVSS

**ABBREVIATION:**

SPT1 - SOUTH PUBLIC TRANSPORT INTERCHANGE  
 NPT1 - NORTH PUBLIC TRANSPORT INTERCHANGE  
 VCP - VEHICLE CLEARANCE PLAZA  
 PCB - PASSENGER CLEARANCE BUILDING  
 FB - FRANCHISED BUS  
 CBC - CROSS BOUNDARY COACH  
 CBS - CROSS BOUNDARY SHUTTLE  
 ELV - EXTRA LOW VOLTAGE  
 AVSS - AUTOMATIC VEHICLE CLEARANCE SUPPORT SYSTEM

**NOTE:**

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 60191048/C9/000/C00/1002

**LEGEND:**

- SITE BOUNDARY
- AMENITY AREA
- FOOTPATH
- COVERED WALKWAY
- SECURITY FENCE
- TREE PLANTING
- IRRIGATION POINT

NO.	DESCRIPTION	DATE
-	TENDER DRAWING	TTHK/000 JUL 19

**GENERAL ARRANGEMENT**

SHEET 1 OF 2

**AECOM** +  
 Rogers Stirk Harbour + Partners  
 BURO HAPPOLD ATKINS ADI +

**Aedas**

DRGNO 60191048/C9/000/C00/1001  
 圖紙編號

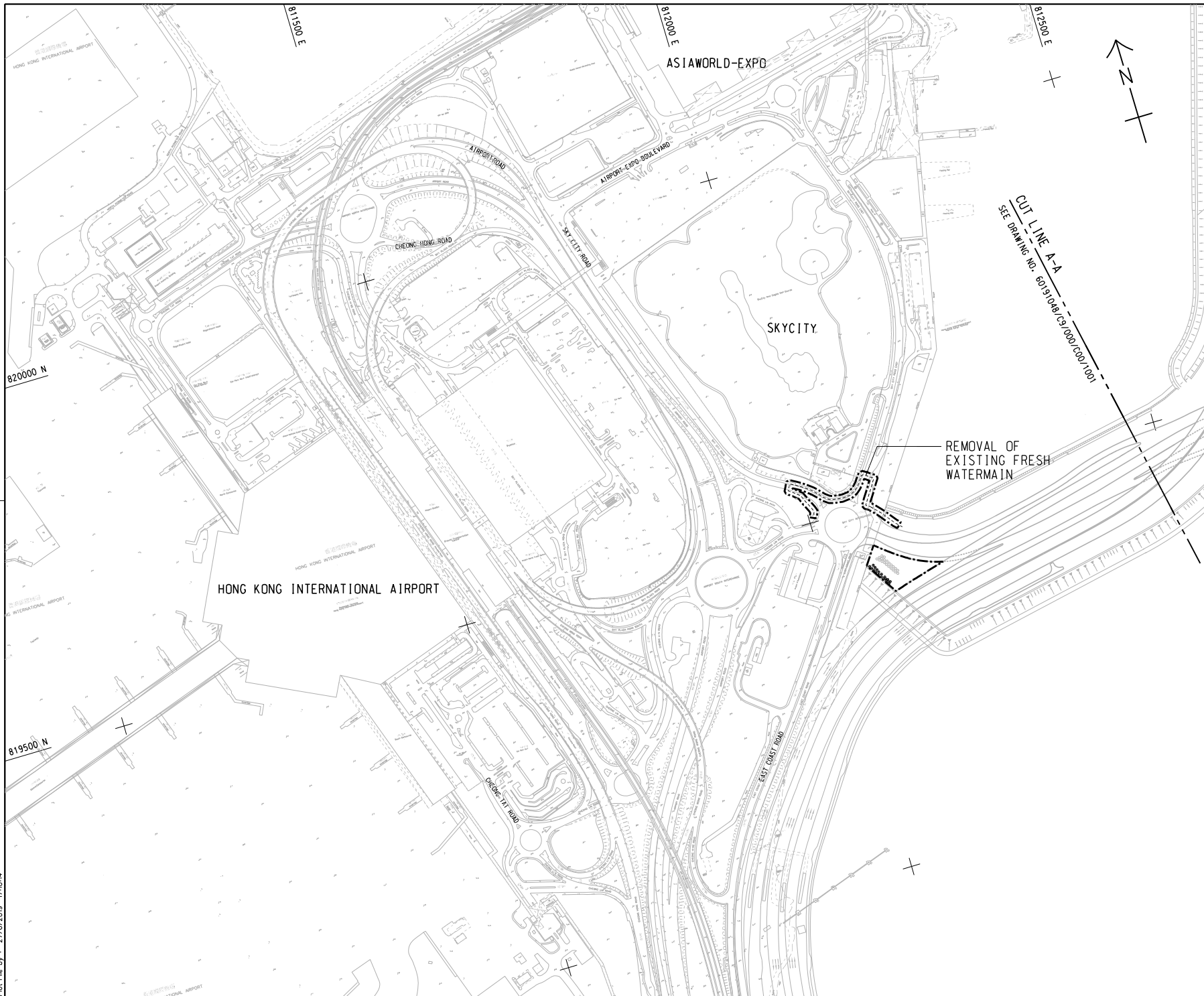
DESIGNED BY TTHK CONTRACT NO. HY/2019/01 P. Dir. APPROVED  
 CHECKED BY JC STATUS  
 SCALE AT 1 : 2500  
 DIMENSIONS ARE IN METRES

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Plot File by : 09/07/2019 B-4657

CUT LINE A-A  
 SEE DRAWING NO. 60191048/C9/000/C00/1002

LANDSCAPING WORKS AREA



**NOTE:**  
 1. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NOS. 60191048/C9/000/C00/1001.

REV. NO.	DESCRIPTION	DATE
1	TENDER DRAWING	JUL 19

**HIGHWAYS DEPARTMENT**  
 主要工程管理處 (傳真專組)  
 Major Works Project Management Office (Special Duties)

**HONG KONG-ZHUHAI-MACAO BRIDGE**  
 HONG KONG BOUNDARY CROSSING FACILITIES  
 - PHASE 2 AND OTHER WORKS

**GENERAL ARRANGEMENT**  
 SHEET 2 OF 2

**AECOM** + **Aedas**  
 Rogers Strik Harbour + Partners  
 BURO HAPPOLD ATKINS ADI +

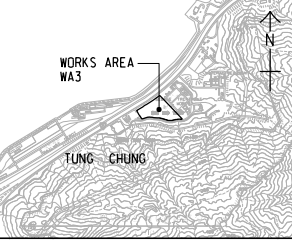
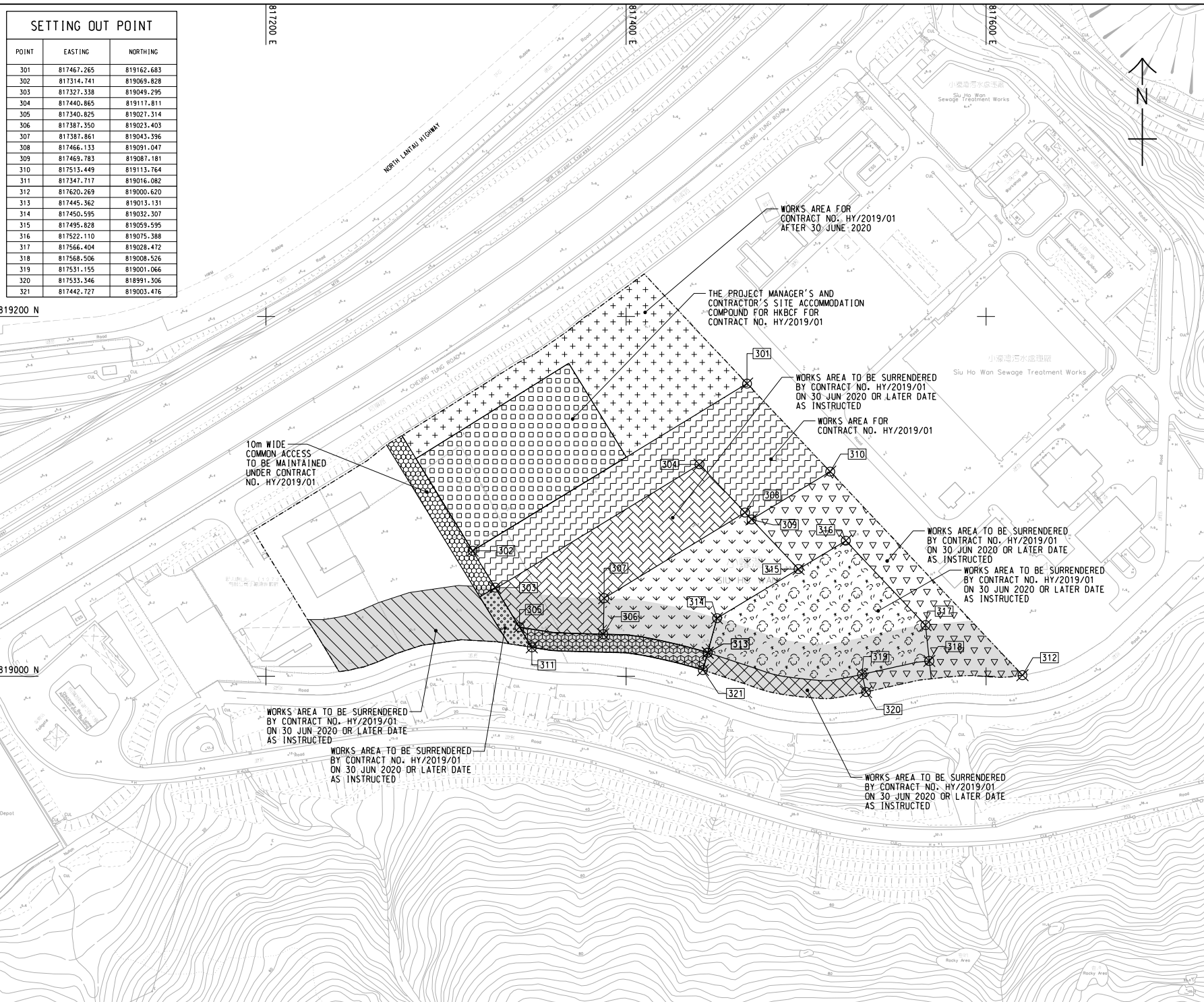
DRG. NO. 60191048/C9/000/C00/1002  
 圖紙編號

DESIGNED BY TTHK	CONTRACT NO. HY/2019/01	P. Dir. APPROVED SC1
DRAWN BY JC	STATUS	

SCALE  
 1 : 2500  
 DIMENSIONING AND UNITS  
 METRES  
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Plot File by : 27/6/2019 17:03:4

SETTING OUT POINT		
POINT	EASTING	NORTHING
301	817467.265	819162.683
302	817314.741	819069.828
303	817327.338	819049.295
304	817440.865	819117.811
305	817340.825	819027.314
306	817387.350	819023.403
307	817387.861	819043.396
308	817466.133	819091.047
309	817469.783	819087.181
310	817513.449	819113.764
311	817347.717	819016.082
312	817620.269	819000.620
313	817445.362	819013.131
314	817450.595	819032.307
315	817495.828	819059.595
316	817522.110	819075.388
317	817566.404	819028.472
318	817568.506	819008.526
319	817531.155	819001.066
320	817533.346	818991.306
321	817442.727	819003.476



LOCATION PLAN  
SCALE 1 : 25000

NOTES:  
 1. COORDINATES ARE RELATED TO HONG KONG METRIC GRID (1980).  
 2. DIMENSIONS ARE IN MILLIMETER AND CHAINAGE ARE IN METRES UNLESS OTHERWISE SHOWN.

LEGEND:

	WORKS AREA BOUNDARY
	PORTION 3.1
	PORTION 3.2
	PORTION 3.3
	PORTION 3.4
	PORTION 3.5
	PORTION 3.6
	PORTION 3.7
	PORTION 3.8
	PORTION 3.9
	PORTION 3.10
	PORTION 3.11
	PORTION 3.12
	NON-BUILDING AREA 8200m <sup>2</sup> (WHOLE)

REV. NO.	DESCRIPTION	DATE
1	TENDER DRAWING	TTHK 06/2019

HIGHWAYS DEPARTMENT  
 Major Works Project Management Office (Special Duties)  
 HONG KONG-ZHUHAI-MACAO BRIDGE  
 HONG KONG BOUNDARY CROSSING FACILITIES  
 - PHASE 2 AND OTHER WORKS

WORKS AREA WA3

**AECOM** +  
 Rogers Stirk Harbour + Partners  
**Aedas**  
 BURO HAPPOLD ATKINS ADI +

DRGNO. 60191048/C9/000/C00/1051  
 圖紙編號

DESIGNED BY TTHK	CONTRACT NO. HY/2019/01	P. Dir. APPROVED SCL
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SCALE 1 : 1000  
 DIMENSIONS ARE IN METRES  
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Plot File by : 2019/06/29 9:34:39

# Appendix A



Email Notice from AECOM

## Appendix A-A, Email received on 13 January 2022

-----Original Message-----

From: Gordon Kok [<mailto:gordon.kok@hkbcf-c9-aecom.hk>]

Sent: Thursday, January 13, 2022 2:47 PM

To: Matthew Wu (CHEC-ENG) <matthew.wu@chec-eng.com>

Cc: Jason Yu <jason.yu@hkbcf-c9-aecom.hk>; Fung, Sunny [C1/AECOM] <sunny.fung@hkbcfpcb.hk>; LAU Yat Fai <pc7.mwsd@hyd.gov.hk>; SY Wong <sy.wong@chechk.com>; Paulman Yeung <paulman.yeung@hkbcf-c9-aecom.hk>

Subject: Re: HZMB - Termination Proposal

Dear Matthew,

For the purpose of termination proposal, please be advised that the anticipated completion date is 28 Feb 2022.

Thanks,  
Gordon

Sent from my iPhone

> On 12 Jan 2022, at 9:57 AM, Matthew Wu (CHEC-ENG) <matthew.wu@chec-eng.com> wrote:  
>  
> Dear Gordon,  
>  
> As spoken, the DRAFT termination proposal of EM&A programme is attached for your reference.  
>  
> Would you please advise the date of project completion of contract HY/2019/01, so as to submit to EPD for approval.  
>  
> Thanks.  
>  
>  
> Best Regards,  
>  
> Matthew Wu  
> Environmental Officer  
> China Harbour Engineering Company Ltd.  
> Tel: 6076 2675 (M) / 2597 3505 (D)  
>

## Appendix A-B, Email received on 21 February 2022

Gordon Kok <gordon.kok@hkbcf-c9-aecom.hk>

Mon 2022-02-21 14:03

To: matthew.wu <matthew.wu@chec-eng.com>

Cc: Wan, Ka Ho; Sunny Fung <sunny.fung@hkbcf-c9-aecom.hk>

**CAUTION:** This email was sent from an **EXTERNAL** sender. **STOP & THINK** before clicking on links

Dear Matthew,

For item 1 & 2, please assume 30 Apr 2022 for tentative completion.

Thanks,  
Gordon

---

From: matthew.wu <matthew.wu@chec-eng.com>

Sent: Monday, 21 February 2022 1:35 PM

To: Gordon Kok <gordon.kok@hkbcf-c9-aecom.hk>

Cc: Ho <kh.wan@fugro.com>; Sunny Fung <sunny.fung@hkbcf-c9-aecom.hk>; Matthew <matthew.wu@chec-eng.com>

Subject: Re: RE: HY/2019/01 - HZMB Proposal for Termination of Air Quality and Noise Monitoring

Dear Gordon,

Refer to comment 2, please confirm the remaining works and duration as below:

Type of remaining works	Tentative duration of works
Minor Installation Works (Electrical & Mechanical (E&M)) with Testing and Commissioning	31-Mar-22
Minor Defect Rectification (Electrical & Mechanical (E&M) and Architectural Builder's Work and Finishes (ABWF))	31-Mar-22
Minor Landscape Works and Subsequent Establishment Works	31-Mar-22

Thanks,  
Matthew



# Appendix B

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Photo Records of the Construction Site

**Location: South Public Transport Interchanges (SPTI)**



**Location: Vehicle Clearance Plaza (VCP)**



**Location: North Public Transport Interchanges (NPTI)**

