ITEM FOR PUBLIC WORKS SUBCOMMITTEE OF FINANCE COMMITTEE

HEAD 703 – BUILDINGS Recreation, Culture and Amenities – Open spaces 478RO – Quarry Park in Anderson Road Quarry

Members are invited to recommend to the Finance Committee the upgrading of **478RO** to Category A at an estimated cost of \$744.3 million in money-of-the-day prices for the construction of Quarry Park in Anderson Road Quarry.

PROBLEM

We need to construct the Quarry Park in Anderson Road Quarry to tie in with the community development and meet the public needs.

PROPOSAL

2. The Director of Architectural Services, with the support of the Secretary for Culture, Sports and Tourism, proposes to upgrade **478RO** to Category A at an estimated cost of \$744.3 million in money-of-the-day (MOD) prices.

PROJECT SCOPE AND NATURE

3. The project site of the Quarry Park in Anderson Road Quarry (Quarry Park) is located in Sai Kung District adjacent to the On Tat Estate and On Tai Estate in Kwun Tong District. The Quarry Park occupies an area of about

8.5 hectares (ha.), of which about 1.5¹ ha. would be designed and constructed by the Civil Engineering and Development Department (CEDD), while the remaining 7 ha. covering the proposed project would be designed and constructed by the Architectural Services Department². The project site is zoned "Open Space" on the approved Kwun Tong (North) Outline Zoning Plan No. S/K14N/15. The proposed scope of the project comprises –

- (a) a central lawn and a landscaped garden;
- (b) a walking/jogging track with fitness facilities;
- (c) a bicycle park and a bicycle kiosk;
- (d) an amphitheatre;
- (e) a viewing platform;
- (f) an adventurous playground;
- (g) a pet garden;
- (h) an orienteering course;
- (i) two multi-purpose outdoor courts for basketball/volleyball;
- (j) two futsal cum handball pitches;
- (k) a light refreshment kiosk;
- (1) installations with artistic/architectural features; and
- (m) ancillary facilities.

4. A site and location plan, an artist's impression and a barrier-free access plan for the proposed project are at Enclosures 1 to 3 respectively. A brief description of the proposed facilities is at Enclosure 4.

/5.

The landscaping works (around 1.5 ha) together with the pedestrian walkway connecting different parts of the area in the district will be constructed by CEDD. If everything goes smoothly, CEDD preliminarily estimates that the works will be completed in 2024.

The regional open space in Anderson Road Quarry is around 17.5 ha. in size, including a rock face of around 6 ha., a Lake Park of around 3 ha. to be managed by the Drainage Services Department and a Quarry Park of around 8.5 ha. to be managed by the Leisure and Cultural Services Department.

5. We plan to commence the proposed works upon obtaining funding approval from the Finance Committee (FC) with target completion in around three years' time. To meet the works programme, we have invited tenders in parallel to enable early commencement of the proposed works, and the returned tender prices have been reflected in the estimated cost of the project. The contract will only be awarded upon obtaining FC's funding approval.

JUSTIFICATIONS

- 6. The development of Anderson Road Quarry involves 11 housing sites and provides around 10 730 residential units for population of about 30 000. It is planned for completion by phases from 2023 to 2026. In order to meet the needs arising from the new population intake and beautify the surrounding environment, the Government has reserved sites to provide Government, Institution or Community facilities and open space with a view to cultivating a green and liveable community.
- 7. In particular, the Government has reserved part of the regional open space in Anderson Road Quarry to develop a Quarry Park. The proposed Quarry Park will provide leisure, sports and recreation facilities for population of at least 78 800, including the aforementioned new population of 30 000 and the existing population of 48 800 in neighbouring public housing estates such as On Tai Estate and On Tat Estate in Kwun Tong.
- 8. The Quarry Park has a unique topography suitable for developing a wide diversity of leisure, sports and recreation facilities for people of different ages and interests. Proposed facilities of the Quarry Park include passive facilities such as a central lawn, a landscaped garden, an amphitheatre, a viewing platform and a As for active facilities, there will be a walking/jogging track with fitness facilities, a bicycle park and a bicycle kiosk for children, an adventurous playground, an orienteering course, multi-purpose outdoor courts basketball/volleyball, futsal cum handball pitches, etc. to cater for the diverse needs The proposed bicycle park and bicycle kiosk can connect users to of the public. the cycle track nearby. The proposed basketball/volleyball courts and futsal cum handball pitches will increase the provision of sports facilities in the district to meet the keen demand in the community.

\$million

/(i)

9. In respect of the overall design of the Quarry Park, as the project site used to be a quarry site with rich historical background, the Quarry Park will therefore be divided into four zones with reference to the operation procedures of a quarry, namely Cutting Zone, Grinding Zone, Blasting Zone and Bonding Zone. Relevant quarry-themed elements will be added into the facilities and artistic/architectural featured installations in each of these zones. In addition, the project site is adjacent to the residential areas nearby, the "Community Park and Plaza" and the "Joint-user Complex at Site G2, Anderson Road Quarry". Hence, the Quarry Park will provide members of the public, including people with disabilities, with convenient and easy access to the above locations.

FINANCIAL IMPLICATIONS

10. We estimate the capital cost of the project to be \$744.3 million in MOD prices with details broken down as follows -

(in MOD prices) (a) Site works 21.4 Building³ works (b) 110.4 96.8 (c) Building services works (d) Additional energy conservation, green 20.7 and recycled features (e) Drainage works 96.0 External works⁴ (f) 295.4 Furniture and equipment (F&E)⁵ 5.4 (g) (h) Consultants' fees for 16.2

Building works cover construction of substructure and superstructure of the building.

⁴ External works cover outdoor flooring, children playground, fitness stations, ball courts as well as hard and soft landscaping.

The estimated cost is based on an indicative list of furniture and equipment required.

\$million

		(in MOD prices)	
	(i) contract administration ⁶	15.2	
	(ii) management of resident site staff (RSS)	1.0	
(i)	Remuneration of RSS		14.4
(j)	Contingencies		67.6
	Total	7.	44.3

- 11. We propose engaging consultants to undertake contract administration and site supervision of the project. A detailed breakdown of the estimates for consultants' fees and RSS costs by man-months is at Enclosure 5.
- 12. During the design stage of the project, different design options have been considered and enhancement has been made to improve cost-effectiveness. The existing topography has been used as the basis of the design as far as possible to minimise site formation and excavation works. We consider the estimated cost of this project is comparable to that of similar projects implemented by the Government. An example is the Public Works Programme Item No. **3476RO** Improvement of Tsuen Wan Riviera Park and Tsuen Wan Park phase 1 development.
- 13. Subject to funding approval, we plan to phase the expenditure as follows –

Year	\$ million (in MOD prices)	
2023-24	26.1	
2024-25	174.7	
2025-26	205.4	
2026-27	174.1	
		/Year

The estimated fee covers quantity surveying services, site supervision, project management, etc.

Year	\$ million (in MOD prices)
2027-28	100.9
2028-29	56.0
2029-30	7.1
	744.3

- 14. We have derived the MOD estimates on the basis of the Government's latest set of assumptions on the trend rate of change in the prices of public sector building and construction output for the period from 2023 to 2030. We will deliver the construction works under New Engineering Contract (NEC) form⁷. We intend to award the contract on a lump-sum basis as the scope of the works can be clearly defined in advance. The contract will provide for price adjustment.
- 15. We estimate the annual recurrent expenditure arising from this project to be \$27.28 million. The capital and recurrent costs arising from the project will be taken into account when the fees and charges are being set in the future.

PUBLIC CONSULTATION

- 16. While the Quarry Park is in Sai Kung District according to the administrative division, it is geographically located closer to Kwun Tong District. Hence, we have consulted both the Sai Kung District Council (SKDC) and the Kwun Tong District Council (KTDC) about the project.
- 17. For SKDC, we consulted the Housing, Planning and Development Committee and the Housing, Planning and Environment Committee on 17 March 2020 and 23 November 2021 respectively on the project scope and conceptual design of the Quarry Park.

/18.

NEC is a suite of contracts developed by the Institution of Civil Engineers in the United Kingdom. It is a contract form that emphasises a spirit of mutual trust, cooperation and collaborative risk management between contract parties.

- 18. For KTDC, we consulted the Housing, Planning and Lands Committee (HPLC) on 7 May 2020 on the project scope of the Quarry Park. Members expressed concerns on the traffic and community facilities of the Anderson Road Quarry and wrote to relevant bureaux and departments on 12 June 2020. The then Transport and Housing Bureau (THB) and the Development Bureau (DEVB) provided detailed written replies ⁸ in response to HPLC's concerns. Subsequently, we further briefed the Housing, Planning, Lands, Development and Redevelopment Committee (HPLDRC) of KTDC on the conceptual design of the proposed Quarry Park by circulation on 25 February 2022⁹.
- 19. Members raised no objections to the proposed project during the consultation with the above two District Councils.
- 20. We also consulted the Panel on Home Affairs, Culture and Sports of the Legislative Council on 8 May 2023. Members supported this project and the submission of the funding proposal to Public Works Subcommittee for consideration.

ENVIRONMENTAL IMPLICATIONS

- 21. The proposed project is not a designated project under the Environmental Impact Assessment Ordinance (Cap. 499), and will not cause long-term environmental impacts. We have included the cost to implement suitable mitigation measures to control short-term environmental impacts in the project estimates.
- We will control noise, dust and site run-off nuisances to within established standards and guidelines through the implementation of appropriate mitigation measures in the relevant contract. These include the use of silencers or mufflers, acoustic linings or shields for noisy construction activities; frequent cleaning and watering of the work sites and provision of wheel washing facilities to minimise dust emission; as well as proper treatment of site run-off.

/23.

The then THB addressed HPLC's concerns in detail on 13 and 28 July 2020 whereas the DEVB also replied to HPLC in detail on 22 July 2020.

We originally planned to introduce the conceptual design of the project to HPLDRC of KTDC on 18 January 2022. We invited Members of HPLDRC to an informal meeting on 4 January 2022 to collect their initial comments with a view to responding to their concerns more effectively during the formal meeting. During the informal meeting, Members raised no objections to the project. Subsequently, the formal meeting of HPLDRC of KTDC could not be held as scheduled due to the COVID-19 pandemic. We therefore circulated an information paper introducing the conceptual design to HPLDRC.

- 23. At the planning and design stages, we have considered measures to reduce the generation of construction waste where possible (e.g. using metal site hoardings and signboards so that these materials can be recycled or reused in other projects). In addition, we will require the contractor to reuse inert construction waste generated (e.g. use of excavated materials for filling within the site) on site or at other suitable construction sites as far as possible in order to minimise the disposal of inert construction waste at public fill reception facilities (PFRFs)¹⁰. We will encourage the contractor to maximise the use of recycled or recyclable inert construction waste and the use of non-timber formwork to further reduce the generation of construction waste.
- At the construction stage, we will require the contractor to submit a plan setting out the waste management measures, which will include appropriate mitigation measures to avoid, reduce, reuse and recycle inert construction waste for the Government's approval. We will ensure that the day-to-day operations on site comply with the approved plan, and require the contractor to separate the inert construction waste from non-inert ones on site for disposal at appropriate facilities. We will monitor the disposal of inert construction waste and non-inert construction waste at PFRFs and landfills respectively through a trip-ticket system.
- We estimate that the project will generate about 64 180 tonnes of construction waste in total. Of these, we will reuse about 9 600 tonnes (15.0 %) of inert construction waste on site and deliver around 54 390 tonnes (84.7%) of inert construction waste to PFRFs for subsequent reuse. We will dispose of the remaining 190 tonnes (0.3%) of non-inert construction waste at landfills. The total cost for disposal of construction waste at PFRFs and landfill sites is estimated to be about \$3.90 million for this project (based on a unit charge rate of \$71 per tonne for disposal at PFRFs and \$200 per tonne at landfills as stipulated in the Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 354N)).

HERITAGE IMPLICATIONS

26. The project will not affect any heritage site, i.e. all declared monuments, proposed monuments, graded historic sites/buildings/structures, sites of archaeological interest, all sites/buildings/structures in the new list of proposed graded items; and Government historic sites identified by the Antiquities and Monuments Office.

/LAND

PFRFs are specified in Schedule 4 of the Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 354N). Disposal of inert construction waste at PFRFs requires a licence issued by the Director of Civil Engineering and Development.

LAND ACQUISITION

27. The proposed works will only involve government land. No land acquisition is required.

ENERGY CONSERVATION, GREEN AND RECYCLED FEATURES

- 28. This project will adopt various forms of energy efficient features and renewable energy technologies, in particular
 - (a) demand control ventilation;
 - (b) photovoltaic system;
 - (c) solar-powered light fittings; and
 - (d) wind turbine.
- 29. For greening features, there will be landscaping and green roof at appropriate locations for environmental and amenity benefits.
- 30. For recycled features, most of the grey water from toilets and shower rooms will be collected and treated by the Grey Water Treatment Plant of the Water Supplies Department for recycling at Anderson Road Development Area.
- 31. The total estimated cost for adoption of the above measures and features is around \$20.7 million (including \$0.7 million for energy efficient features), which has been included in the cost estimate of this project. The energy efficient features will achieve 10.0% energy savings in the annual energy consumption with a payback period of about seven years.

BACKGROUND INFORMATION

32. We have engaged consultants to undertake various services and investigation works, including topographical and tree survey, underground services investigation, play space design, building information modelling, lead consultancy for schematic and detailed design, tender documentation and quantity surveying services, at a total cost of about \$17.4 million. The works and services provided by the consultants are funded under block allocation **Subhead 3100GX** "Project feasibility studies, minor investigations and consultants' fees for items in Category D of the Public Works Programme". All the above works and consultancy

services have facilitated in finalising the scope and cost estimate of the project for seeking funding approval from the FC.

- 33. There are four existing trees within and adjacent to the project boundary. The proposed project will involve the retention of two existing trees and the felling of two trees. All trees to be felled are common trees that are not trees of particular interest¹¹. We will incorporate planting proposals as part of the project, including the planting of around 686 trees, 46 431 shrubs, 72 826 groundcovers and laying of 6 970 square metres of turf.
- 34. We estimate that the proposed works will create about 170 jobs (140 for labourers and 30 for professional or technical staff) providing a total employment of 4 400 man-months.

Culture, Sports and Tourism Bureau June 2023

- Endangered plant species protected under the Protection of Endangered Species of the Animals and Plants Ordinance (Cap. 586);
- Tree species listed in the Forestry Regulations (Cap. 96A) under the Forests and the Countryside Ordinance (Cap. 96);
- Well-known Fung Shui trees;
- Landmark trees with evidential records to support the historical or cultural value of the trees:
- Trees which may arouse widespread public concerns; and
- Trees which may be subject to strong local objections on removal.

[&]quot;Trees of particular interest" are defined in paragraph 2.6.1 of the Guidelines for Tree Risk Assessment and Management Arrangement promulgated by the Development Bureau. Examples of trees of particular interest are listed as follows:

[•] Trees in the Register of Old and Valuable Trees and trees that are potentially registerable therein:

[•] Trees of 100 years old or above;

[•] Trees with trunk diameter equal to or exceeding 1.0 metre (measured at 1.3 metres above ground level), or with height/canopy spread equal to or exceeding 25 metres;

[•] Stonewall trees or trees of outstanding form (taking account of overall tree sizes, shape and any special features);

[•] Rare tree species listed in "Rare and Precious Plants of Hong Kong" (https://www.herbarium.gov.hk/en/publications/books/book2/index.html) published by the Agriculture, Fisheries and Conservation Department;

附件1 (全3張 頁1) ENCLOSURE 1 (SHEET 1 OF 3) (期建中) 大上托 TAI SHEUNG TOK 湖泊公園 MOUNT (囲建中) PROPOSED PUBLIC ANDERSON 擬建地區休憩用地 ROPOSED DISTRIC OPEN SPACE LAKE PARK HOUSING ESTATE (UNDER UNDER CONSTRUCTION) 製建公營房屋 PROPOSED PUBLIC HOUSING 製建公營房屋 ESTATE CONSTRUCTION SITE 大上托 経験地區休期用地 TAI SHEUNG TOK PROPOSED 擬建地區休憩用地 PROPOSED PUBLIC HOUSING HOUSING ESTATE PROPOSED DISTRICT OPEN SPACE 工地 擬建八登房屋 緊急車輛通道 EMERGENCY PROPOSED PUBLIC (BY CIVIL ENGINEE) AND DEVELOPMENT ON TAT ESTATE HOUSING ESTATE EHICULAR ACCESS ON HEI STREET ESTATE 砂府 機構或社區用地 安秀道 ON SAU ROAD 安達邨 ON TAT ESTATE PROPOSED PUBLIC SITE FOR HOUSING ESTATE **GOVERNMENT** 擬建公營房屋 PROPOSED PUBLIC INSTITUTION 150m 300m COMMUNITY 600m 位置圖 LOCATION PLAN HOUSING ESTATE USES 擬建公營房屋 PROPOSED PUBLIC 擬建學校 擬建商業發展項目 PROPOSED PROPOSED HOUSING ESTATE SCHOOL COMMERCIAL 擬建地區休憩用地 緊急車輛通道 EMERGENCY DEVELOPMENT PROPOSED DISTRICT OPEN SPACE VEHICLII AR 政府、機構或社區用地 ROAD 擬建公營房屋 SITE FOR GOVERNMENT/ PROPOSED PUBLIC INSTITUTION/ 擬建公營房屋 HOUSING ESTATE COMMUNITY USES PROPOSED PUBLIC ON KIN 地區A HOUSING ESTATE AREAA 擬建垃圾收集站及同收便利黑 健道 PROPOSED REFUSE COLLECTION POINT HX 地區B AND RECYCLING STORE 擬建商業發展項目 聯用大樓 擬建消防局暨救護站、 (興建中) PROPOSED AREA B 部門宿舍及消防設施 擬建石礦公園 COMMERCIAL JOINT-USER PROPOSED FIRE STATION-CUM-AMBULANCE DEPOT (由土木工程拓展署 DEVELOPMENT COMPLEX (土拓署)負責承建) (UNDER CONSTRUCTION) WITH DEPARTMENTAL PROPOSED QUARTERS AND FACILITIES 高架行人道出入口 OLIARRY PARK ENTRANCE / EXIT FROM ELEVATED WALKWAY (BY CIVIL ENGINEERING) 安泰邨 安泰邨服務設施大樓 AND DEVELOPMENT ON TAI ESTATE ON TAI ESTATE DEPARTMENT(CEDD)) 安達邨 ANCILLARY ON TAT ESTATE **FACILITIES** 瑪利諾中學 BLOCK MARYKNOLL SECONDARY 安健道 SCHOOL ON KIN ROAD 停車場 CARPARK 0m 50m 100m 200m **安**委道公園 ■ 安翠街 ON CHUI STREET = ON SAU ROAD PARK 圖例 LEGEND 地面綠化 健身設施 步行 / 緩跑徑 SITE BOUNDARY AT-GRADE GREENING FITNESS STATION VIEWING PLATFORM WALKING / JOGGING TRACK 無障礙出入口 附屬設施 單車亭 單車公園 擬建園景美化高架行人道 (由土拓署負責承建) BARRIER-FREE ENTRANCE / EXIT **ANCILLARY FACILITIES BICYCLE KIOSK** BICYCLE PARK PROPOSED LANDSCAPED ELEVATED WALKWAY (BY CEDD) 涼亭 / 有蓋座椅 小食亭 園景花園 行人出入口 LIGHT REFRESHMENT KIOSK LANDSCAPED GARDEN PEDESTRIAN ENTRANCE / EXIT PAVILION / SHELTERED SEATING 現有隧道 / 有蓋行人天橋 EXISTING SUBWAY / COVERED PEDESTRIAN FOOTBRIDGE 停車場 車輛出入口 寵物公園 CARPARK BALL COURT VEHICULAR INGRESS / EGRESS PET GARDEN 擬建隧道 / 有蓋行人天橋 (由土拓署負責承建) 露天劇場 歷奇遊樂場 暢通易達洗手問 PROPOSED SUBWAY / COVERED PEDESTRIAN FOOTBRIDGE ACCESSIBLE TOILET **AMPHITHEATRE** ADVENTUROUS PLAYGROUND EXISTING AT-GRADE PEDESTRIAN (BY CEDD) CROSSING 太陽能光伏板 野外定向運動設施 通用洗手間 需保留之具特別價值樹木 PHOTOVOLTAIC PANEL UNIVERSAL TOILET ORIENTEERING FACILITIES TREE OF PARTICULAR INTEREST TO BE RETAINED

工地平面圖 SITE PLAN



附件1 (全3張 頁2) ENCLOSURE 1 (SHEET 2 OF 3) 安峯 (興建中) MOUNT ANDERSON 擬建公營房屋 UNDER CONSTRUCTION) PROPOSED PUBLIC HOUSING ESTATE 湖泊公園 (興建中) 擬建公營房屋 ON TUROAD LAKE PARK PROPOSED PUBLIC 擬建地區休憩用地 (UNDER HOUSING ESTATE PROPOSED DISTRICT CONSTRUCTION) **OPEN SPACE** 擬建公營房屋 緊急車輛通道 EMERGENCY PROPOSED PUBLIC VEHICULAR ACCESS HOUSING ESTATE P. ON HEISTREET 擬建公營房屋 政府、機構或社區用地 PROPOSED PUBLIC SITE FOR GOVERNMENT/ HOUSING ESTATE INSTITUTION/ COMMUNITY USES 擬建公營房屋 PROPOSED PUBLIC HOUSING ESTATE 中央草坪 CENTRAL 擬建地區休憩用地 PROPOSED DISTRICT OPEN SPACE 地區A 擬建公營房屋 AREA A PROPOSED PUBLIC HOUSING ESTATE TON SAU ROAD 安泰邨 ON TAI ESTATE 擬建石礦公園 (由土木工程拓展署 聯用大樓 (土拓署)負責承建) 擬建商業發展項目 (興建中) **PROPOSED PROPOSED** 安泰邨 JOINT-USER QUARRY PARK ON TAI ESTATE COMMERCIAL COMPLEX CIVIL ENGINEERING DEVELOPMENT 200m 0m 100m AND DEVELOPMENT (UNDER CONSTRUCTION) DEPARTMENT (CEDD)) 圖例 LEGEND 現有隧道 / 有蓋行人天橋 地面綠化 步行/緩跑徑 EXISTING SUBWAY / COVERED PEDESTRIAN FOOTBRIDGE AT-GRADE GREENING FITNESS STATION WALKING / JOGGING TRACK 單車亭 附屬設施 觀景台 SITE BOUNDARY ANCILLARY FACILITIES **BICYCLE KIOSK** VIEWING PLATFORM 需保留之具特別價值樹木 TREE OF PARTICULAR 涼亭 / 有蓋座椅 小食亭 單車公園 BARRIER-FREE ENTRANCE / EXIT INTEREST TO BE RETAINED PAVILION / SHELTERED SEATING LIGHT REFRESHMENT KIOSK BICYCLE PARK 寵物公園 園景花園 PEDESTRIAN ENTRANCE / EXIT LANDSCAPED GARDEN CARPARK PET GARDEN 車輛出入口 暢通易達洗手間 VEHICULAR INGRESS / EGRESS ACCESSIBLE TOILET **AMPHITHEATRE** ADVENTUROUS PLAYGROUND 現有行人過路處 通用洗手間 太陽能光伏板 野外定向運動設施 EXISTING AT-GRADE PEDESTRIAN UNIVERSAL TOILET PHOTOVOLTAIC PANEL ORIENTEERING FACILITIES CROSSING 478RO **ARCHITECTURAL** 工地平面圖 (地區A) 安達臣道石礦場石礦公園 **SERVICES** SITE PLAN (AREA A) DEPARTMENT 建築署 QUARRY PARK IN ANDERSON ROAD QUARRY

附件1 (全3張 頁3) ENCLOSURE 1 (SHEET 3 OF 3) FMI ON TU ROAD 擬建公營房屋 PROPOSED PUBLIC 擬建學校 HOUSING ESTATE **PROPOSED** SCHOOL 擬建商業發展項目 PROPOSED COMMERCIAL DEVELOPMENT 擬建地區休憩用地 緊急車輛通道 EMERGENCY PROPOSED DISTRICT OPEN SPACE 擬建公營房屋 VEHICULAR 政府、機構或社區用地 ACCESS ON KIN ROAD PROPOSED PUBLIC SITE FOR GOVERNMENT/ HOUSING ESTATE INSTITUTION/ COMMUNITY USES 擬建垃圾收集站及回收便利照 安健道 PROPOSED REFUSE **COLLECTION POINT** 擬建消防局暨救護站。 AND RECYCLING STORE 部門宿舍及消防設施 聯用大樓 PROPOSED FIRE STATION-地區B (興建中) **CUM-AMBULANCE DEPOT** JOINT-USER AREA B WITH DEPARTMENTAL COMPLEX 擬建商業發展項目 QUARTERS AND FACILITIES (UNDER **PROPOSED** COMMERCIAL CONSTRUCTION) DEVELOPMENT 高架行人道出入口 ENTRANCE / EXIT FROM ELEVATED WALKWAY ON TAT ESTATE 安健道 ON KIN ROAD 安翠街 ON CHUI STREET 安達邨 ON TAT ESTATE 0m 100m 200m 圖例 LEGEND 現有隧道 / 有蓋行人天橋 暢通易達洗手間 地面綠化 EXISTING SUBWAY / COVERED PEDESTRIAN FOOTBRIDGE BARRIER-FREE ENTRANCE / EXIT SITE BOUNDARY AT-GRADE GREENING ACCESSIBLE TOILET 擬建隧道 / 有蓋行人天橋 (由土拓署負責承建) PROPOSED SUBWAY / COVERED PEDESTRIAN FOOTBRIDGE (BY CEDD) 現有行人過路處 附屬設施 通用洗手間 PEDESTRIAN ENTRANCE / EXIT EXISTING AT-GRADE PEDESTRIAN CROSSING UNIVERSAL TOILET **ANCILLARY FACILITIES** 太陽能光伏板 涼亭 / 有蓋座椅 擬建園景美化高架行人道(由土拓署負責承建) PHOTOVOLTAIC PANEL VEHICULAR INGRESS / EGRESS **BALL COURT** PAVILION / SHELTERED SEATING PROPOSED LANDSCAPED ELEVATED WALKWAY (BY CEDD) 478RO **ARCHITECTURAL** 工地平面圖 (地區B) 安達臣道石礦場石礦公園 **SERVICES** SITE PLAN (AREA B) QUARRY PARK IN ANDERSON ROAD QUARRY DEPARTMENT 建築署

附件2 (全5張 頁1) ENCLOSURE 2 (SHEET 1 OF 5)



從西南面望向石礦公園的構思透視圖 PERSPECTIVE VIEW OF QUARRY PARK FROM SOUTHWEST DIRECTION

構思圖 (地區A) ARTIST'S IMPRESSION (AREA A)





從西面望向石礦公園的構思透視圖 PERSPECTIVE VIEW OF QUARRY PARK FROM WEST DIRECTION

構思圖 (地區B) ARTIST'S IMPRESSION (AREA B)



附件2 (全5張 頁3) ENCLOSURE 2 (SHEET 3 OF 5)



湖泊公園旁的入口廣場的構思透視圖 PERSPECTIVE VIEW OF ENTRANCE PLAZA NEXT TO LAKE PARK

構思圖 ARTIST'S IMPRESSION





露天劇場的構思透視圖 PERSPECTIVE VIEW OF AMPHITHEATRE

構思圖 ARTIST'S IMPRESSION



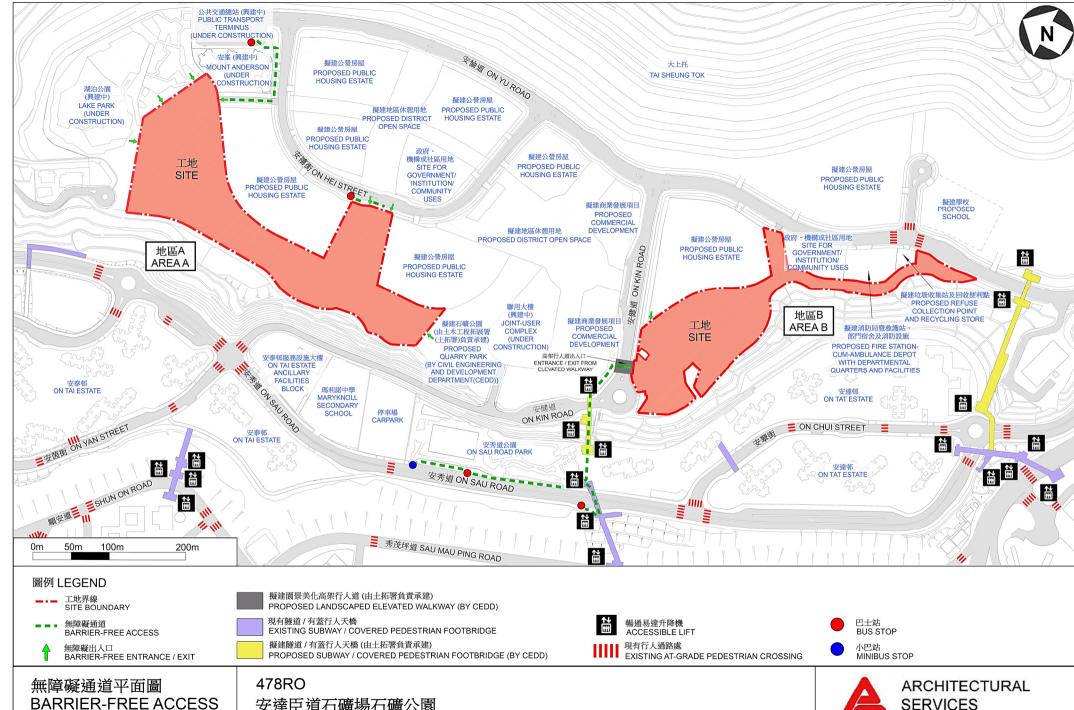
附件2 (全5張 頁5 ENCLOSURE 2 (SHEET 5 OF 5)



球場旁的附屬設施的構思透視圖 PERSPECTIVE VIEW OF ANCILLARY FACILITIES NEXT TO BALL COURT

構思圖 ARTIST'S IMPRESSION





PLAN



Brief description of the proposed facilities

Proposed facilities	Brief Description
(a) a central lawn and a landscaped garden	Located at the centre of Area A, the central lawn and landscaped garden would be about 2 800 square metres (m²) and 3 940 m² in size respectively. In order to show the historic background of the site as a quarry, the overall design of the Quarry Park would be divided into 4 major themed zones, namely Cutting Zone, Grinding Zone, Bonding Zone and Blasting Zone. Each zone would have different species of flowers and trees planted with its own characteristics.
(b) a walking / jogging track with fitness facilities	A jogging track of about 400 metres in length and 3 metres in width would be located at the centre of Area A, surrounding the whole landscaped garden. Fitness facilities including fitness corners and fitness stations are placed adjacent to the jogging track. Fitness equipment such as parallel bar(s), chin-up bar(s), balance beam(s) and vertical ladder(s) would be provided for convenient use by members of the public.
(c) a bicycle park and a bicycle kiosk	The bicycle park, targeting children aged below 12, provides a place to play and learn cycling. It would be situated at a relatively flat area. Safety measures such as fencing and signage would be provided in appropriate locations.
(d) an amphitheatre	The amphitheatre would be provided with about 200 open-air seats and a covered performance stage. The spectator stand and the performance stage would be about 411 m ² and 164 m ² in size respectively.
(e) a viewing platform	The viewing platform would be uniquely located in the Quarry Park so as to allow visitors to overlook the scenery of Victoria Harbour in the best location.
(f) an adventurous playground	The adventurous playground, occupying an area of about 1 800 m ² , would adopt a quarry-themed design and provide innovative and relatively more challenging children's play facilities such as

Proposed facilities	Brief Description
	climbing area in the shape of a quarry slope, slide(s) themed on the quarry industry, single and double ziplines, rope tunnel(s) and a play area in imitation of a quarry (including sandpit(s) and slide(s) in the shape of utility vehicle) etc The playground would be suitable for children of different age to play together.
(g) a pet garden	The pet garden would provide designated areas for big and small sized dogs of about 398 m ² and 452 m ² respectively. Facilities would include lawn and play equipment for pets' exclusive use such as balance beam(s), dog tunnel(s), toys for hurdling and climbing as well as facilities for dog agility competition etc
(h) an orienteering course	Orienteering is an activity suitable for all ages. The initial plan was to set up 30 control point columns in the site to facilitate event organisers to design the routes according to the level of difficulty and activity time. Relevant event organisers could make use of the ancillary facilities within the Quarry Park such as changing rooms, lockers, first-aid rooms and fee-paying ancillary car parks etc. to organise the activities.
(i) two multi-purpose outdoor courts for basketball/volleyball	Two multi-purpose ball courts with line marking for basketball and volleyball would be provided for members of the public to play different kinds of ball games.
(j) two futsal cum handball pitches	Two multi-purpose ball courts with line marking for futsal and handball would be provided for members of the public to play different kinds of ball games.

Proposed facilities	Brief Description			
(k) a light refreshment kiosk	Members of the public could buy lig refreshment from the kiosk. Vending machin providing snacks and drinks would also provided in the Quarry Park.			
(1) installations with artistic/architectural features	Artistic / architectural features displaying the methods and operation procedures of quarry sites would be installed to allow visitors to better understand the operation of a traditional quarry site.			
(m) ancillary facilities	Ancillary facilities would include a management office, a first-aid room, a control room, toilets, changing rooms, babycare rooms, drinking fountains and ancillary parking spaces (for private cars, motor cycles and coaches) etc			

Remark: The detailed design of the above proposed facilities would be further discussed and confirmed with the contractor during the construction stage.

478RO - Quarry Park in Anderson Road Quarry

Breakdown of the estimates for consultants' fees and resident site staff costs (in September 2022 prices)

	•	•	,	Estimated man- months	Average MPS* salary point	Multiplier (Note 1)	Estimated fee (\$ million)
(a)		sultants' fees for		-	-	-	12.6
		tract ninistration (Note 2)	Technical	-	-	-	0.5
						Sub-total	13.1#
(b)			Professional	-	-	-	-
	(RS	S) costs (Note 3)	Technical	268	14	1.6	13.3
						Sub-total	13.3
	Cor (i)	nprising - Consultants' fees for management of RSS				0.9#	
	(ii)	Remuneration of RSS				12.4#	
						Total	26.4#

^{*} MPS = Master Pay Scale

Notes

- 1. A multiplier of 1.6 is applied to the average MPS salary point to estimate the staff cost of RSS supplied by the consultants (MPS salary point 14 is \$30,990 per month as of now).
- 2. The consultants' fees for contract administration are calculated in accordance with the existing consultancy agreement for the provision of contract administration and site supervision of **478RO**. The assignment will only be executed upon the FC's funding approval to upgrade **478RO** to Category A.
- 3. The consultants' fee and staff cost for site supervision is based on the estimate prepared by the Director of Architectural Services. We will only know the actual man-months and actual costs after completion of the construction works.

Remarks

The cost figures in this Enclosure are shown in constant prices to correlate with the MPS salary point of the same year. The cost figures marked with # are shown in money-of-the-day prices in paragraph 10 of the main paper.