Annex B

Site 1 Tung Lung Chau

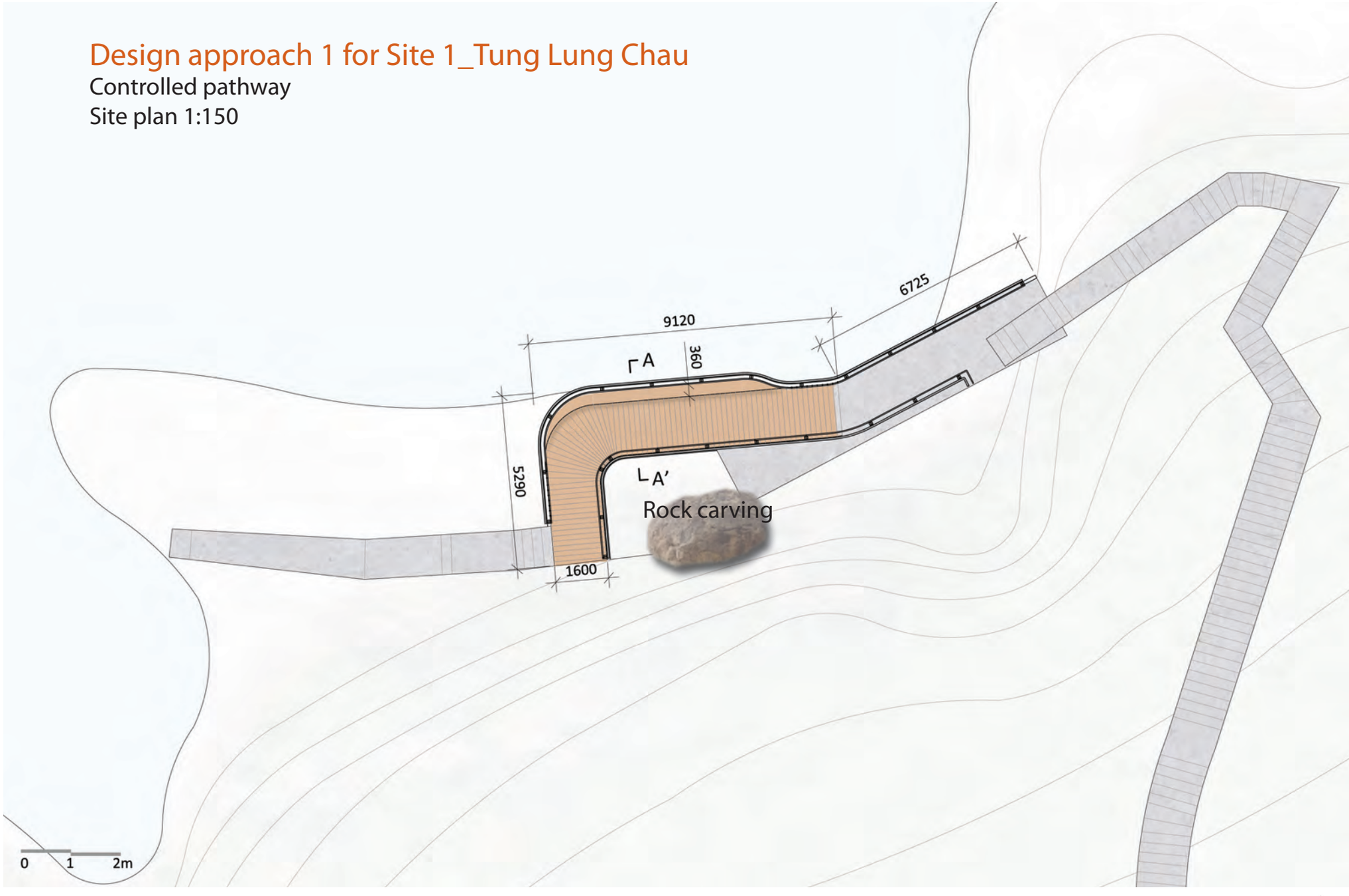
Design approach 1 - controlled pathway

	Suggested actions in the Rock Carvings Consultancy Study	**Purpose**	**Suggested architectural approach by CPW**
Physical measure	· To remove Perspex screen · To move metal cage	· To increase visibility · To prevent formation of micro-climate	We suggest constructing an **extended walkway** starting from the existing concrete platform. This is to prevent vandalism by increasing the distance between visitors and the carving. The new walkway is to serve as an alternative route to the steep staircase. **Interpretation plate** is to be incorporated with the railing structure.
Interpretation plate	· To be incorporated with the balustrade	· To provide more background information of the rock · To educate visitors to protect the cultural heritage of Hong Kong.	
Chemical & geographic conditions	· To remove suspected residue of chalk · To conduct further studies on wave action to determine whether to retain the current concrete support	· To stabilize the concrete plinth in light of the strong wind load.	
Maintenance	· Periodical maintenance is essential	· To ensure the rock carving is in the equilibrium condition	
Other remarks	3D laser scanning is essential for further detailed design as well as actual construction.		

Design approach 1 for Site 1_Tung Lung Chau

Controlled pathway

Site plan 1:150



Design approach 1 for Site 1_Tung Lung Chau

Controlled pathway

Perspective

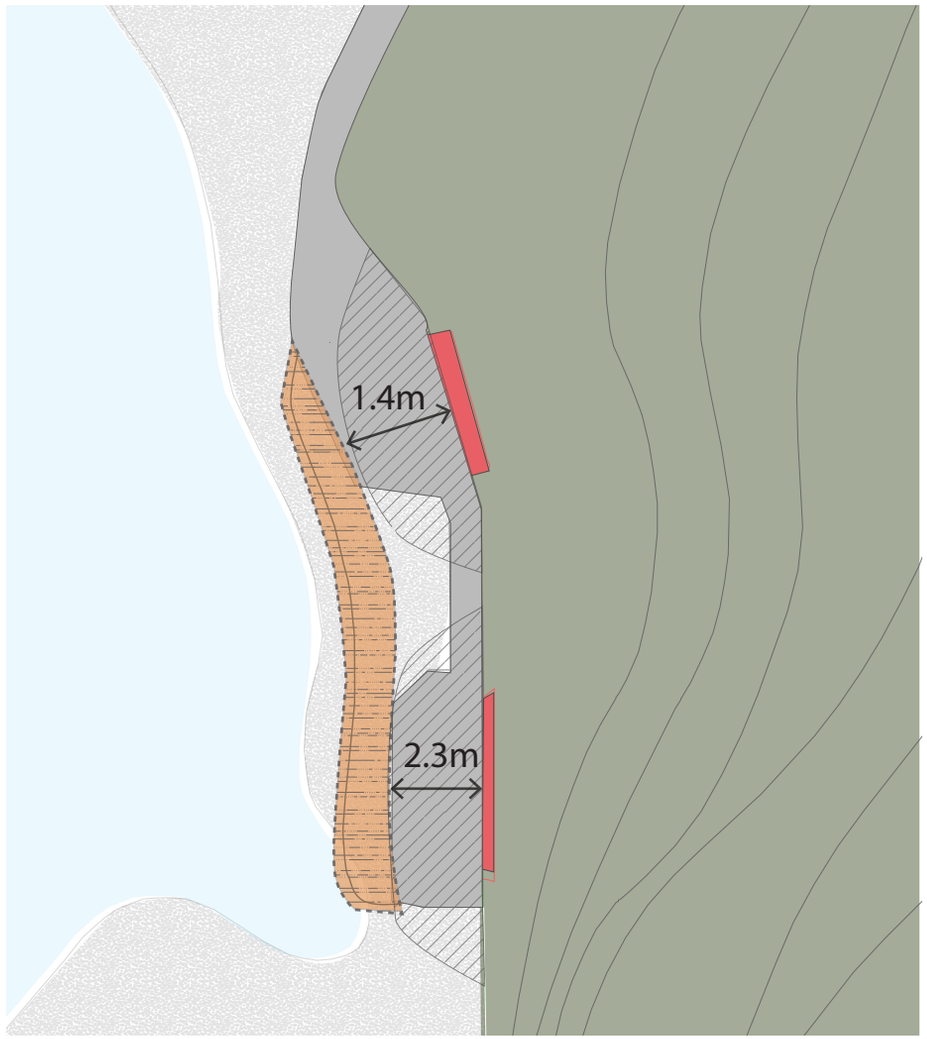
Site 2 Po Toi Island

Design approach 1 - controlled pathway

	Suggested actions in the Rock Carvings Consultancy Study	**Purpose**	**Suggested architectural approach by CPW**
Physical measure	· To remove Perspex screen	· To increase visibility	We propose to construct an **extended walkaway** from the existing concrete platform so that vandalism can be prevented due to the increased distance between visitors and the carving. The new walkway is to serve as an alternative route to the existing steep staircase. **Interpretation plate** is to be incorporated with the railing structure.
	· To remove metal cage	· To prevent formation of micro-climate	
	· To replace the cement water diversion dam	· To prevent seepage of rain water into the rock	
Interpretation plate	· To be incorporated with the balustrade	· To provide more background information of the rock · To educate visitors to protect the cultural heritage of Hong Kong	
Chemical & geographic conditions	· To remove existing concrete base · Further geo-technical studies required	· To reveal the original setting · To avoid soluble salt from concrete and salt deposition in the long term · To acquire information on slope stability and water infiltration	
Maintenance	· Periodical maintenance is essential	· To ensure the rock carving is in the equilibrium condition	
Other remarks	3D laser scanning is essential for further detailed design as well as actual construction		

Design approach 1 for Site 2_Po Toi Island

Controlled pathway



Rock carving

Existing pathway

Suggested approach

Trapassing zone

Design approach 1 for Site 2_Po Toi Island

Controlled pathway

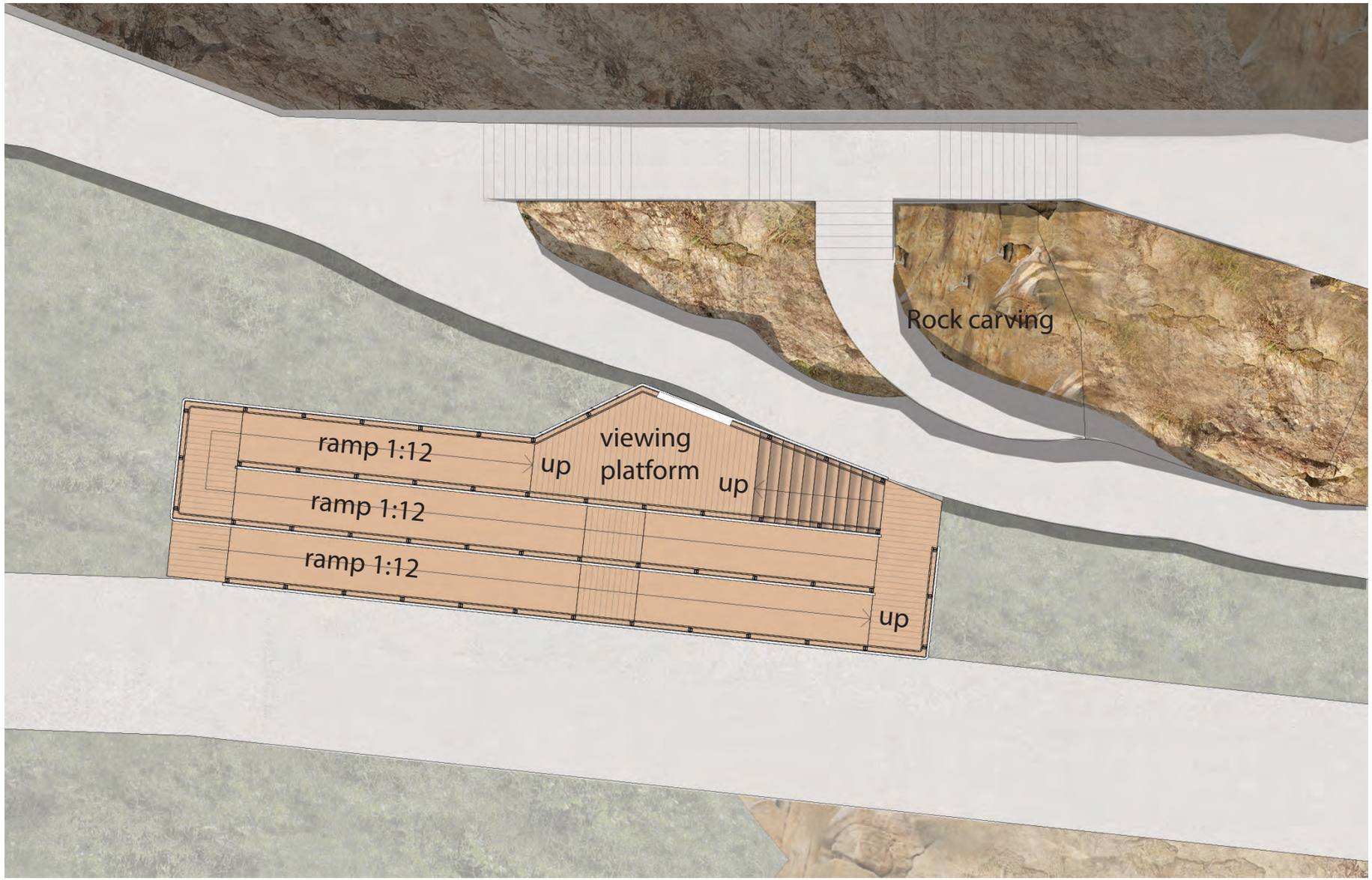
Site 3 Cheung Chau

Design approach 1 - controlled pathway (viewing platform)

	Suggested actions in the Rock Carvings Consultancy Study	**Purpose**	**Suggested architectural approach by CPW**
Physical measure	· To remove glass enclosure · To remove all cement capping on the surface	· To prevent formation of micro-climate · To increase visibility · To prevent growth of micro-organisms	We aim to reduce impact to the rock carving to the minimum and keeping visitors away from the rock by constructing a **viewing platform** which is accessible from two beach side walkways. **Interpretation plate** is to be incorporated with the railing structure
	· To remove all stone rubble structures	· To reinstate the natural setting	
	· To replace the cement water diversion dam with stone, lime-based mortar and clay		
	· To remove vegetation in the planter above the rock carving	· To prevent water seepage and leakage	
Interpretation plate	· To be incorporated with the balustrade	· To provide more background information of the rock · To educate visitors to protect the cultural heritage of Hong Kong.	
Chemical & geographic conditions	· Further geo-technical studies required	· To acquire information on slope stability and water infiltration	
Maintenance	· Periodical maintenance is essential	· To ensure the rock carving is in the equilibrium condition	
Other remarks	*Land ownership to be clarified: - To ensure that maintenance is carried out carefully and well endorsed 3D laser scanning is essential for further detailed design as well as actual construction		

Design approach 1 for Site 3_Cheung Chau

Controlled pathway (viewing platform)



Design approach 1 for Site 3_Cheung Chau

Controlled pathway (viewing platform)

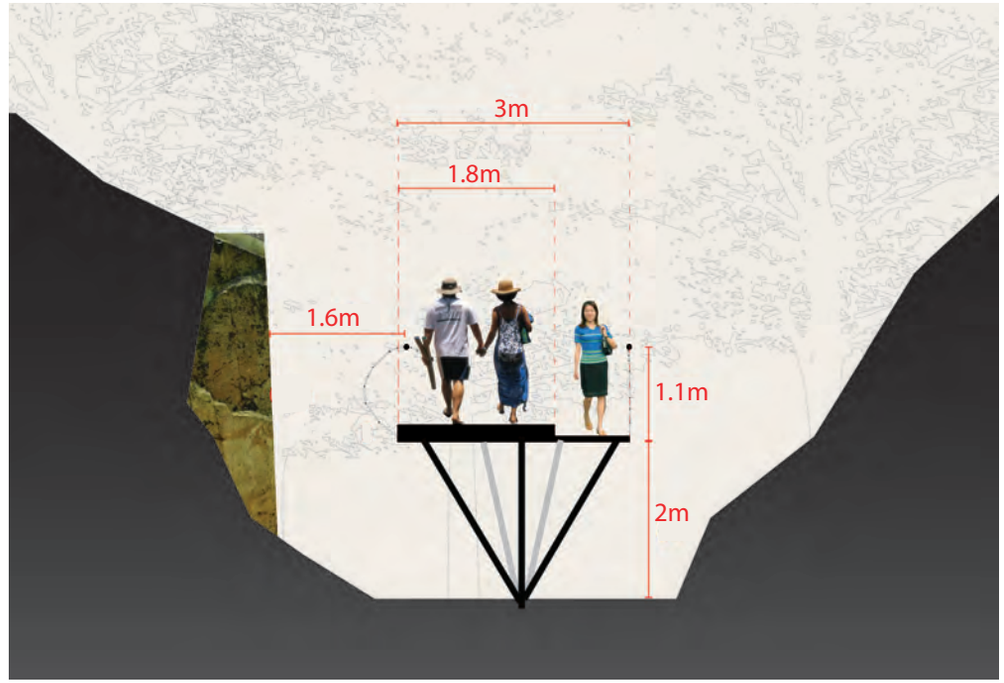
Site 4 Wong Chuk Hang

Design approach 1 - controlled pathway

	Suggested actions in the Rock Carvings Consultancy Study	**Purpose**	**Suggested architectural approach by CPW**
Physical measure	· To remove the cement water diversion dam	· To avoid problems from soluble salts · To enhance drainage	An **extended walkway** from the existing concrete platform is to be constructed. Vandalism is prevented by increasing the distance between visitors and the carving. The new walkway is to serve as an alternative route to the steep staircase. **Interpretation plate** is to be incorporated with the railing structure.
	· To remove Remnants of squatter huts and concrete capping on the slope		
	· To extend wooden platform from the existing concrete platform	· To prevent vandalism by increasing the distance between visitors and the	
Interpretation plate	· To be incorporated with the balustrade	· To provide more information on the historical background of the rock carving · To educate visitors to protect the cultural heritage of Hong Kong	
Chemical & geographic conditions	· To undertake geo-technical studies	· To get information for Slope stability and water infiltration	
Maintenance	· To maintain the vegetation in the surrounding area regularly · Periodical maintenance is essential	· To keep the site decent and accessible · To ensure the rock carving is in the equilibrium condition	
Other remarks	3D laser scanning is essential for further detailed design as well as actual construction		

Design approach 1 for Site 4_Wong Chuk Hang

Controlled pathway (viewing bridge)



Site 5 Big Wave Bay

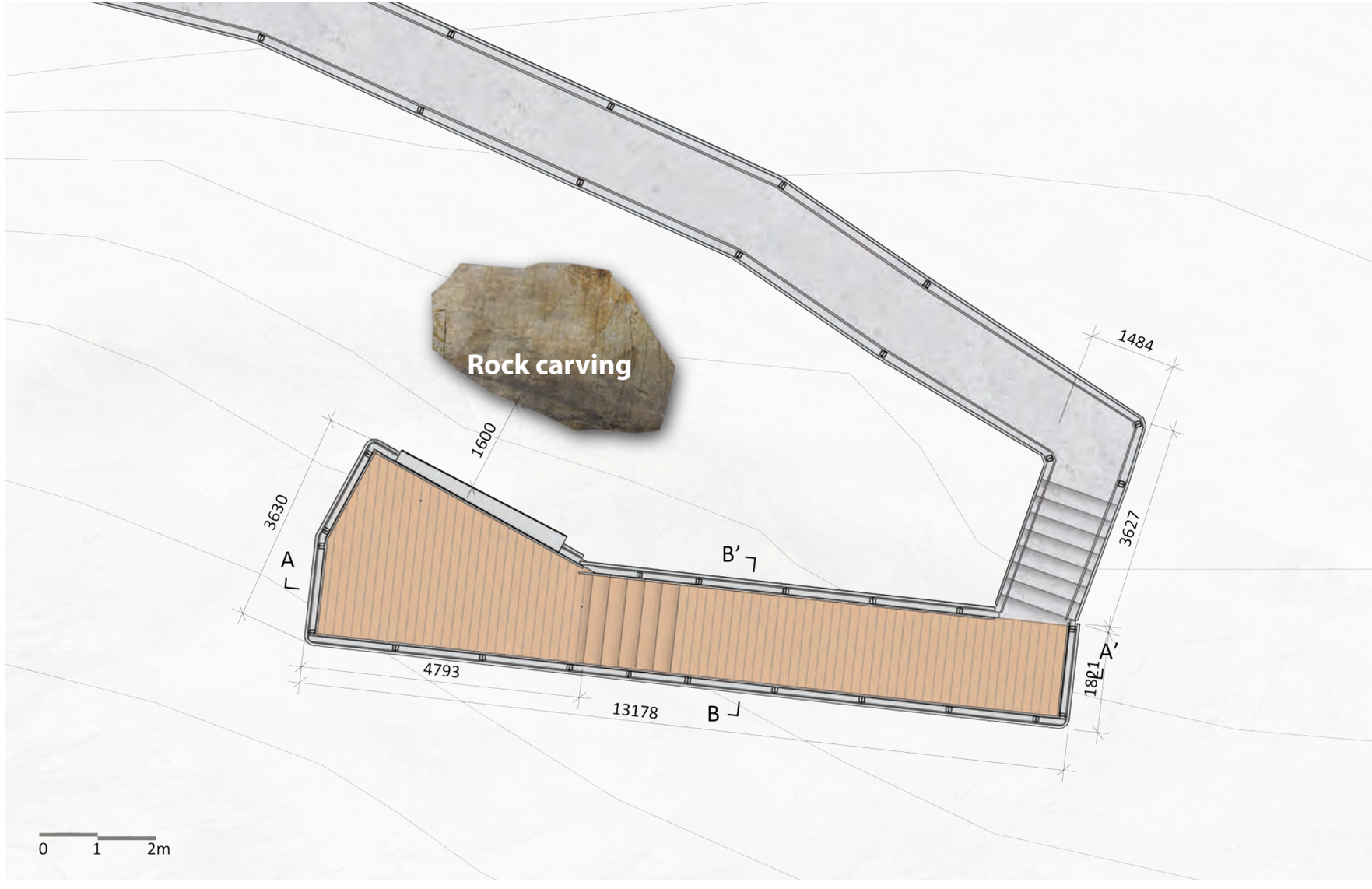
Design approach 1 - controlled pathway

	Suggested actions in the Rock Carvings Consultancy Study	Purpose	Suggested architectural approach by CPW
Physical measure	· To remove Portland cement structures	· To avoid problems from soluble salts · To enhance water drainage	We suggest to **redirect the current footpath** by constructing a **wooden footbridge**. The footbridge will be an effective physical barrier to keep visitors away from the rock while reducing impact to original setting to the minimum. **Interpretation plate** is to be incorporated with the railing structure
	· To remove roof structure	· To prevent formation of micro-climate	
	· To remove cement structure along with the cement steps and footpath	· To reveal natural and original setting of the site · To prevent vandalism by redirecting the path	
Interpretation plate	· To be incorporated with the balustrade	· To provide more background information of the rock · To educate visitors to protect the cultural heritage of Hong Kong	
Chemical & geographic conditions	· To remove existing concrete plinth	· To reveal the original setting · To avoid soluble salt from concrete and for protection in the long term	
Maintenance	· Periodical maintenance is essential	· To ensure the rock carving is in the equilibrium condition	
Other remarks	3D laser scanning is essential for further detailed design as well as actual construction		

Design approach 1 for Site 5_Big Wave Bay

Controlled pathway

Site plan 1:150



Design approach 1 for Site 5_Big Wave Bay

Controlled pathway

Perspective

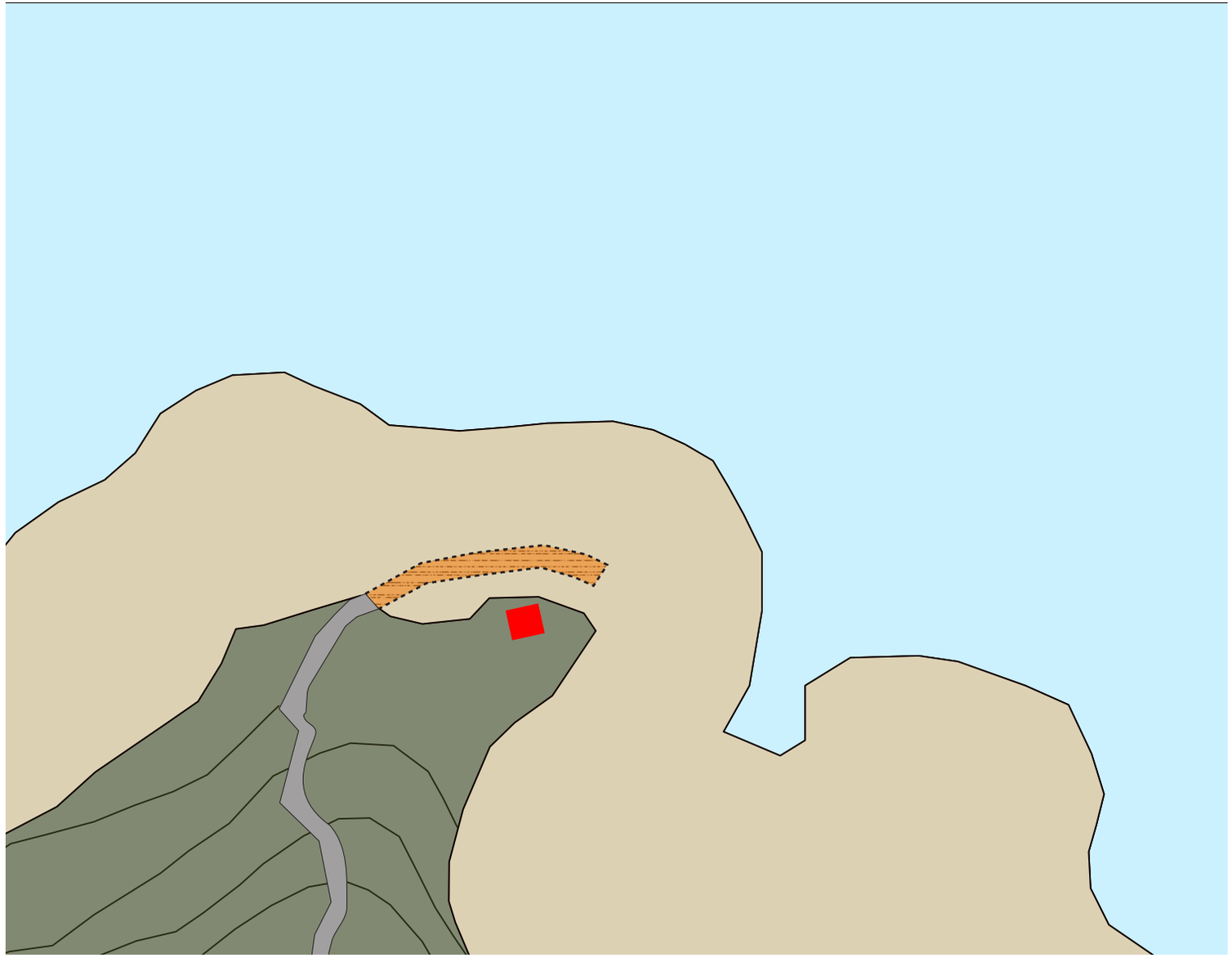
Site 6 Lung Ha Wan

Design approach 1 - controlled pathway

	Suggested actions in the Rock Carvings Consultancy Study	**Purpose**	**Suggested architectural approach by CPW**
Physical measure	· To remove Perspex screen	· To increase visibility	We suggest to **redirect the current footpath** by constructing a **wooden footbridge**. The footbridge will be an effective physical barrier to keep visitors away from the rock yet reducing impact to original setting to the minimum. **Interpretation plate** is to be incorporated with the railing structure. *It is agreed among the experts that the site should not be developed into a popular tourist destination so as to ensure minimum disturbance to the carving and the environment. It has also been strongly recommended that the site should have minimal facilities.
Interpretation plate	· To be incorporated with the balustrade	· To provide more background information of the rock · To educate visitors to protect the cultural heritage of Hong Kong	
Chemical & geographic conditions	· To undertake geo-technical studies	· To acquire information on slope stability and water infiltration	
Maintenance	· Periodical maintenance is essential	· To ensure the rock carving is in the equilibrium condition	
Other remarks	3D laser scanning is essential for further detailed design as well as actual construction		

Design approach 1 for Site 6_Lung Ha Wan

Controlled pathway (remove steps)



Design approach 1 for Site 6_Lung Ha Wan

Controlled pathway (remove steps)

Site 7 Shek Pik

Design approach 1 - controlled pathway

	Suggested actions in the Rock Carvings Consultancy Study	**Purpose**	**Suggested architectural approach by CPW**
Physical measure	· To remove all concrete from the surrounding area of the carving	· To avoid problems from soluble salts · To enhance drainage	A **wooden footbridge** is to be constructed as an effective physical barrier to keep visitors away from the rock yet keeping impact to original setting to the minimum. **Interpretation plate** is to be incorporated with the railing structure *We also recommend that the condition of the footpath to the rock carving be improved.
	· To remove roof structure	· To prevent formation of micro-climate	
	· To erect wooden fence around the refuse collection point	· To create a better environment around the rock carving site and to enhance the visiting experience for the public · To prevent spreading of odours from the refuse collection point	
Interpretation plate	· To be incorporated with the balustrade	· To provide more background information of the rock · To educate visitors to protect the cultural heritage of Hong Kong.	
	· To add information about the rock's original setting	· This is the only site which setting has been altered due to natural geological process	
Chemical & geographic conditions	· To remove existing concrete	· To reveal the original setting · To avoid soluble salt from concrete and for protection in the long term	
	· To remove part of the top soil	· To expose the buried rock carving	
Maintenance	· Periodical maintenance is essential	· To ensure the rock carving is in the equilibrium condition.	
Other remarks	3D laser scanning is essential for further detailed design as well as actual construction		

Design approach 1 for Site 7_Shek Pik

Controlled pathway

Design approach 1 for Site 7_Shek Pik

Controlled pathway

Perspective

Site 8 Joss House Bay

Design approach 2 - physical barrier

	Suggested actions in the Rock Carvings Consultancy Study	**Purpose**	**Suggested architectural approach by CPW**
Physical measure	· To remove Perspex screen	· To increase visibility	Being the only readable rock carving, it is most prone to vandalism. We propose erecting a **physical barrier** since there are site constraints for extension or construction of alternative pathway. **Interpretation plate** is to be incorporated with the barrier structure.
Interpretation plate	· To be incorporated with the balustrade	· To provide more background information of the rock · To educate visitors to protect the cultural heritage of Hong Kong	
Chemical & geographic conditions	· To remove existing concrete plinth	· To reveal the original setting · To avoid soluble salt from concrete and protect the rock in the long term	
Maintenance	· Periodical maintenance is essential	· To ensure the rock carving is in the equilibrium condition	
Other remarks	There would be a lot of people visit the site during Tin Hau Festival. 3D laser scanning is essential for further detailed design as well as actual construction		

Design approach 2 for Site 8_Joss House Bay

Physical barrier with interpretation incorporated into wooden handle

Perspective

Site 9 Kau Sai Chau

Design approach 3 - Interpretative panel as psychological barrier

	Suggested actions in the Rock Carvings Consultancy Study	**Purpose**	**Suggested architectural approach by CPW**
Physical measure	· To stabilize rocks above the carving	· To increase visibility	Only a standalone **interpretation plate** is to be installed. *It is agreed among the experts that the site should not be developed into a popular tourist destination as to ensure minimum disturbance to the carving and the environment. It has also been strongly recommended that the site should have minimal facilities.
	· To remove all existing structures	· To prevent formation of micro-climate	
Interpretation plate	· To be incorporated with the balustrade	· To provide more background information of the rock · To educate visitors to protect the cultural heritage of Hong Kong.	
Chemical & geographic conditions	· To remove existing concrete base	· To reveal the original setting · To avoid soluble salt from concrete and salt deposition in the long term	
Maintenance	· Periodical maintenance is essential	· To ensure the rock carving is in the equilibrium condition	
Other remarks	3D laser scanning is essential for further detailed design as well as actual construction		

Design approach 3 for Site 9_Kau Sai Chau

Interpretative panel as psychological barrier
Perspective