Emerald Park
Design Ideas Competition for Quarry Park and Rock Face

Background
Located in the southeastern slopes of Tai Sheung Tak Hill at Kowloon Peninsula, Anderson Road Quarry is one of the three quarry sites which are still operating in Hong Kong. In view of the increasing concerns regarding the better use of land resources to accommodate anticipated population growth in the urban area of Hong Kong, Anderson Road Quarry is scheduled to accomplish its historic mission and stop operation in 2013.

History
Past
Mining activities can be traced back to the early 20th century. Rock as natural resources of the past has witnessed the transformation of Hong Kong from a small fishing village through a manufacturing enkeple to international financial centre nowadays.

Present
Hong Kong as an Asia World City has been created on top of various natural assets including rock, such as Through providing resources for construction of numerous landmark buildings and expansion of our urban areas by reclamation.

Future
Rock has the power of transformation into diversified and multiple forms, which can be realized through the creative mind of humankind, and will continue to shape our living environment in the future.

Our Vision
To capitalize on the natural assets and transform them into a regional significant open space which embraces creativity, diversity and multiplicity for the sustainable future.

Site Connectivity

Positioning

Design Principles
As inspired by the transformative features of rock, we have adopted 3 key design principles in designing the Quarry Park and adjoining Rock Face:

Multiplicity
Provision of diversified range of activities; Multi-layered landscaping design

Flexibility
Transformative space that serves multiple functions and adaptive to changing needs

Sustainability
Respectful to the nature; Sustainable design; Celebrates history and legacy of the past which will lead us to the future.

Master Layout Plan (1:2500)
Legend
1. Entrance of Quarry Cavern Museum
2. Rock Climbing Facility
3. Amenity Lake
4. Amphitheater
5. Welcoming drop-off zone
6. Eco-bike parking Pavilion
7. Cycling Track
8. Forest Trail and Jogging Trail
9. Boardwalk
10. Sculpture Park
Scenarios

Scenario 1: Welcoming Plaza
A well-designed main entrance is located on the northern part of the park. A large piece of meadow is in place to welcome the arriving park users.

Surprisingly, the information provided as part of the user-friendly facility summary is for users to get to know the park in a more interactive way, via the hanging tunnel. The information tunnel is designed to be a significant landmark in the welcoming plaza of all.

Scenario 2: Plaza and Fountain
Leisure spots for viewing rock climbing activities and facilitate interaction between the park users of each end will be provided.
Water features are proposed to soften the harshness of the rock faces. Adopting flexible design, the core area will become a potential venue for other activities such as outdoor concert or performance. The most active and vibrant core area in the park.

Scenario 3: Eco-Bike Pavilion
Making use of the multi-layered landscape with different levels, the Eco-bike Pavilion is embedded within the green ramp and form part of the well-integrated environment.

Key Features
Recognizing that the rock face adjoining the Quarry Park is located at the prominent location of southwestern slopes of Tai Sheung Tok Hill at Kowloon Peninsular, it enjoys the vantage point of overlooking the Victoria Harbour and also being part of the ridgeline as seen across the harbour.

Feature A: Hot Air Balloons
Provides superior viewing points when it’s lifted up occasionally and forms part of the landmark of Anderson Road Quarry site as well.

Feature B: Landmark Signage
It creates a landmark icon that can be seen from far away across the Victoria Harbour.

Description of Project
Quarry Park is one of the key redevelopment proposals in the Planning Study on Future Land Use at Anderson Road Quarry. It aims to position itself as a regional park with provision of various leisure, sports and recreational facilities for the local community as well as visitors from the whole territory.

Aerial View of Quarry Park
**Concept Statement**

The ideas of developing the designated area are based on the guiding principles of eco-friendliness and condensation, hence the name Crystal Park, which symbolizes the process of condensation and its purity and clarity as a natural environment. Crystal Park will be revived as a spectacular icon of the district and territory by adding different design elements of green ribbons, reflection pools and carbon trails. By condensing the different ideas of the quarry site’s concept proposal, we hope to sustain the concept of sustainability into the site by incorporating new ideas while assimilating the local characters and culture of the community.

The new quarry park at Anderson Road development area is essentially significant in more than providing a sizable amount of green space. It allows the great opportunity for defining our city identity through reshaping and rearticulating the ancient resources.

The process of redefining the value of Hong Kong is signified by the Crystal Park which would become a sparkling crystal for Hong Kong. This does not imply that the Crystal Park would just be a place for recreation and leisure; rather, it shows the capacity of human creation which brings impossible possible, and shows the better could be excellent. The new Crystal Park would promote a new way of living and baving a space to be treasured by the city as a whole.

**Metaphor**

Crystallization  →  Delagrification  →  Realocation

**Longitudinal Section**

**Aesthetic Ecology**

I. Water Cycle

- Rain water is collected by the pond in the plaza.
- Reservoir underground collects rain water for future use.
- Water sourced are used to water the plants in the park.

II. Wind Energy

- Wind turbines are installed alongside the forest trail to generate the wind energy.
- The underground energy converter’s ability to convert and store the energy for the supply of the light wind.

III. Solar Energy

- Solar Panels are installed on the roof of the lake pavilion, the panels collect sunlight for the generation of electricity.
- Sunlight energy storage and converter: suitable for solar and generating energy for the daily operation of bike position.

**Scenario 4: Forest Trail**

Green corridor underneath the boardwalk will be winding through multilayered landscape comprising of different types of plantations. It also serves as an outdoor display area that encourages interactive education through displays of different rock types along the trail. There would be water features throughout the trail to connect numerous passive leisure activity nodes here.

**Scenario 3: Sculpture Park with Paddling Fountain**

It is a recreational spot for people to relax and appreciate different rock sculptures that celebrates creativity. Water features will also be applied to echo with the large fountain in the core area.
Street Furniture and Marketing Strategy

I. Mobile Application
Making use of new technology as a medium, the Park mobile application adopts an innovative marketing approach. It provides an interactive guide for the park users, who will get to know various information about the park, including educational materials of different types of trees and rocks along the Forest Trail, updates of upcoming events, and also directional maps to guide people through different spots of activities in the park.

II. Informative Signage and Bin

III. Way-finding Signage
Solar panel is installed for saving energy

IV. Lamp Stand

V. Geometric Sitting Device
Sitting facilities under tree shadow provides a good place for people to sit on

VI. Bench

Layering

Vista
Maintain the existing vista links of the park area with its surrounding districts through careful design, which allows them to coalesce with the main spine of visual corridor.

Anchor Places
Establish a series of diversified activity nodes with different levels of activity intensity throughout the park area, by then create a rich experience for the park users as they wander in the area.

Connect the scattered anchor places through continuous green network and extensive pedestrian network which serve as a transition between the public, semi-public/private and private spaces within the park area.

Circulation
Create a comprehensive pedestrian network including boardwalk, pathway and bike lane, which are designed in different level and hierarchy, to provide abundant choices of circulation for the park users.

Zoning
Develop various themed zones to foster the development of different types of programmes and activities through careful consideration of pedestrian flow, connectivity and accessibility between the interfaces of respective zones.

Proposed Design
All together, the new quarry park will become a regional significant park welcomed by the local community and the territory as a whole.