

Housing Channel

Title: Fai Ming Estate Eco Garden

Super	Fai Ming Estate · Coexistence of nature and public housing Survey map with FL49 site boundary
Architect	The involvement of all project team members is a MUST for this challenge
Super (Title)	Angela FONG Housing Department Architect
Architect	Upon the completion of ecological assessment 3 major zones were identified for site planning of Fanling Area 49 Firstly, there is an Ecological Protection Zone
Super	Ecological Protection Zone
Architect	in order to minimise disturbance of native species' hibernation Foundation works were not allowed on this portion Secondly, there is public housing zone
Super	Public Housing Zone
Architect	Lastly, Ecological Transition Zone is served as feeding ground and habitat for native species
Super	Ecological Transition Zone
Architect	Environmental mitigation measures such as monitoring of grey water discharge and disposal of construction debris were also implemented during construction stage Moreover, hibernation period of the native species in the watercourse beneath the site was taken into consideration when programming construction works sequences Commencement month of construction works was carefully planned to minimise the nuisance to them Hopefully, mission of coexistence of nature and public housing can be achieved

Landscape Architect	In addition to native species butterfly community in the 500m study area was found to be relatively diverse
Super (Title)	Frankie MONG Housing Department Landscape Architect
Landscape Architect	78 species recorded, about 30% of total record in Hong Kong Besides, taking into consideration of the idea of sustainability Zero Irrigation System was installed under this planter rainwater and underground water will be stored for sub soil irrigation through wicking mechanism at root zone layer to reduce potable water consumption With this 2000 square meter Ecological Transition Zone lots of native plant species were planted The plants attract butterflies flying into this garden and enjoying outdoor space with the residents
Architect	The project team had worked closely with ecologist to monitor the quantities of native species and the effectiveness of the mitigation measures during the design and construction period
Landscape Architect	The total number of native species boost after construction in 2020 is 3 times more than that in 2014
Architect	Diversity of butterfly families are successfully restored in the Ecological Transition Zone The mission: coexistence of nature and public housing development was achieved