

ID No.	Mitigation Measure	ID No.	Mitigation Measure
CM1	The construction area and contractor's temporary works areas would be minimised to avoid impacts on adjacent landscape, and the reliance on off-site construction.	OM1 ^(f)	Compensatory Woodland Planting - The arrangement of compensatory planting (e.g. areas of woodland to be compensated and space to be allowed within the Project Site) will be subjected to detailed engineering design, landscape design and planting plan, and is recommended to be implemented prior to the construction activities as far as practical.
CM3*	Screening of construction works by hoardings/noise barriers around works area in visually unobtrusive colours and to screen construction works. It is proposed that screening be compatible with the surrounding environment and where possible, non-reflective, recessive colours be used. Hoarding should be taken down at the end of the construction period.	OM2	Compensatory Tree Planting for Plantation and Other Vegetated Areas - Compensatory planting should be provided in accordance with DEVB TC(W) No. 07/2015 to compensate for those trees felled. According to the preliminary design, compensatory trees will be planted on the cut/fill slopes, along new roads and in car parks. The selection of planting species shall be made with reference to the species identified in the future Detailed Tree Survey and be native to Hong Kong or the South China region.
CM4	Dust and Erosion Control for Exposed Soil - Excavation works and demolition of existing building blocks shall be well planned with precautions to suppress dust. Exposed soil shall be covered or watered often. Areas that are expected to be left with bare soil for a long period of time after excavation shall be properly covered with suitable protective fabric. Suitable drainage shall be provided around construction sites to avoid discharge of contaminants and sediments into sensitive water-based habitat.	OM3	Amenity Planting and aesthetic streetscape design of hard landscaping for Pedestrian Walkway, Roadside - Roadside amenity planting should be provided along Sha Ling Road, Lin Ma Hang Road, as well as the internal road within Sandy Ridge columbarium and crematorium site; to enhance the landscape quality of the existing and proposed transport routes. Climbers are proposed to cover vertical, hard surfaces of the piers of the proposed viaducts, and also the newly formed retaining wall within the site. Shade tolerant plants will be planted, where light is sufficient, to improve aesthetic value of areas under viaducts.
CM5*	Control night-time lighting and glare by hooding all lights.	OM4	Greening Works and Contour Grading Works on Cut/ Fill Slopes - Greening works such as hydroseeding/ terraces of shrub or tree planting will be provided where slope gradient allows, according to Geotechnical Engineering Office (GEO) Publication No.1/2011 Technical Guidelines on Landscape Treatment for Slopes.
CM6 ^(a)	Tree Protection and Preservation - Woodland, plantation and other vegetation within the Study Area will be protected and preserved as far as possible in accordance with ETWB TCW No. 29/2004 and DEVB TC(W) No. 07/2015. Detailed Design Considerations have considered avoiding impacts to trees, e.g. proper viaduct/ bridge design routing to avoid majority of the woodland, locating the columbarium buildings in areas with less trees and ensuring design of the buildings has as small a footprint as practical.	OM5 ^(e)	Landscape design treatment to be provided by relevant government department.
CM7 ^(a)	Tree Transplantation - Tree(s) will be affected ^(b) according to the Tree Preservation and Removal Proposal to be carried out in a later stage. Established trees of value are to be re-located where practically feasible.	OM6*	Architectural and chromatic treatment of the hard architectural and engineering structures and facilities.
CM8	Implementing precautionary control measures during construction stage accordingly to ETWB TCW No. 5/2005 - Protection of natural streams/rivers from adverse impacts arising from construction works to avoid direct or indirect impacts any watercourses and good site practices.	OM7*	Aesthetic design of the proposed noise barriers.
		OM8	Silt traps should be incorporated into design of road gullies for the natural water stream(s).

Notes:

(a) A detailed Tree Survey Report showing all identified valuable trees and OVT will be undertaken in a separate Tree Preservation and Removal Proposal.

(b) Wood resulting from tree removal should be recycled as mulch or soil conditioner for re-use within the Project or in other projects as far as possible e.g. for the construction of soft landscape work, where practical.

(c) Contractor is responsible for landscaping during the agreed establishment and maintenance period. Other designated management and maintenance agents to take up maintenance and management of landscaping after end of agreed period.

(d) Highways Department (HD) is responsible for maintenance and management of landscaping of public road side slope, Leisure and Cultural Services Department (LCSD) is responsible for the management and maintenance of soft landscapes along non-expressway public roads outside Country Park and Food and Environmental Hygiene Department (FEHD) is responsible for maintenance and management of landscaping of other areas allocated to FEHD.

(e) The landscape mitigation treatment of the future development site shall follow the below frameworks:

- Buffer planting shall be provided to soften the edge of the site.
- Aesthetic landscape treatment including both soft and hard landscape features shall be provided.
- Vertical greening shall be provided as far as practicable.
- At-grade tree planting shall be provided as far as possible while planting space is allowed, to enhance the overall environment.

(f) The compensatory woodland planting shall be included woodland mixed whips, seeding, and shrubs. The principle of the location shall be the extension of the existing woodland, as well as the original lost woodland location. The proposal will be agreed with AFCD, the woodland enhancement planting shall refer to Chapter 9.

* These mitigation measures are principally used to reduce the significance of visual impacts although some, such as the green roof and vertical greening, will contribute to the overall landscaping of the Project.

SHENZHEN SHI

SHENZHEN RIVER

MACINTOSH FORT

SANDY RIDGE CEMETERY

MTR LO WU STATION

NG TUNG RIVER

LO WU STATION ROAD

MAN KAM TO ROAD

SHA LING ROAD

BLOW UP PLAN B REFERS TO FIGURE 11.6.3

BLOW UP PLAN A REFERS TO FIGURE 11.6.3



- NOTE :
- The drawing does not indicate precise no. and locations of retained trees and compensatory trees.
 - The precise no. of trees to be retained, transplanted, fell and compensated shall be determined and agreed separately with government during the Tree Felling Application process under DEVB TC(W) No. 10/2013.
 - Landscaping features and form of structures shown in the drawing are indicative only.
 - The project contractor shall take site investigation for the existing site location prior the planting works, and submit final location to the project engineer for approval.
 - The building bocks shown in the drawing are indicative only. The building layout shall be subjected to the design of relevant department.

LEGEND :

---	PROJECT BOUNDARY
+40mPD	PROPOSED SITE FORMATION LEVEL (mPD)
---	PROPOSED VIADUCT
---	PROPOSED PICK-UP AND DROP-OFF POINT
---	COLUMBARIUM BUILDING (BY OTHERS)
---	CREMATORIUM (BY OTHERS)
---	COMPENSATORY WOODLAND
---	PROPOSED GRASS PLANTING ON SLOPE
---	PROPOSED LIGHT STANDARD TREES
---	RETAINING WALL
OM / CM	PROPOSED MITIGATION MEASURES
+40mPD	MAX. BUILDING HEIGHT (BY OTHERS)
---	3m HIGH ABSORPTIVE NOISE BARRIER (ANB)
---	2.5m ABSORPTIVE NOISE BARRIER (ANB)

Rev	Description	By	Date

Consultant

ARUP

Contract No. and Title:

Agreement No. CE 1/2013(CE)

Site Formation and Associated Infrastructural Works for Development of Columbarium, Crematorium and Related Facilities at Sandy Ridge Cemetery - Design and Construction

Drawing title

LANDSCAPE MASTER PLAN AND PROPOSED MITIGATION MEASURES - SANDY RIDGE

Drawing no.	FIGURE 11.6.1a	Rev.	-
Drawn	MC	Date	03/14
Checked	PC	Approved	DL
Scale	1:2500 @A1	Status	PRELIMINARY

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