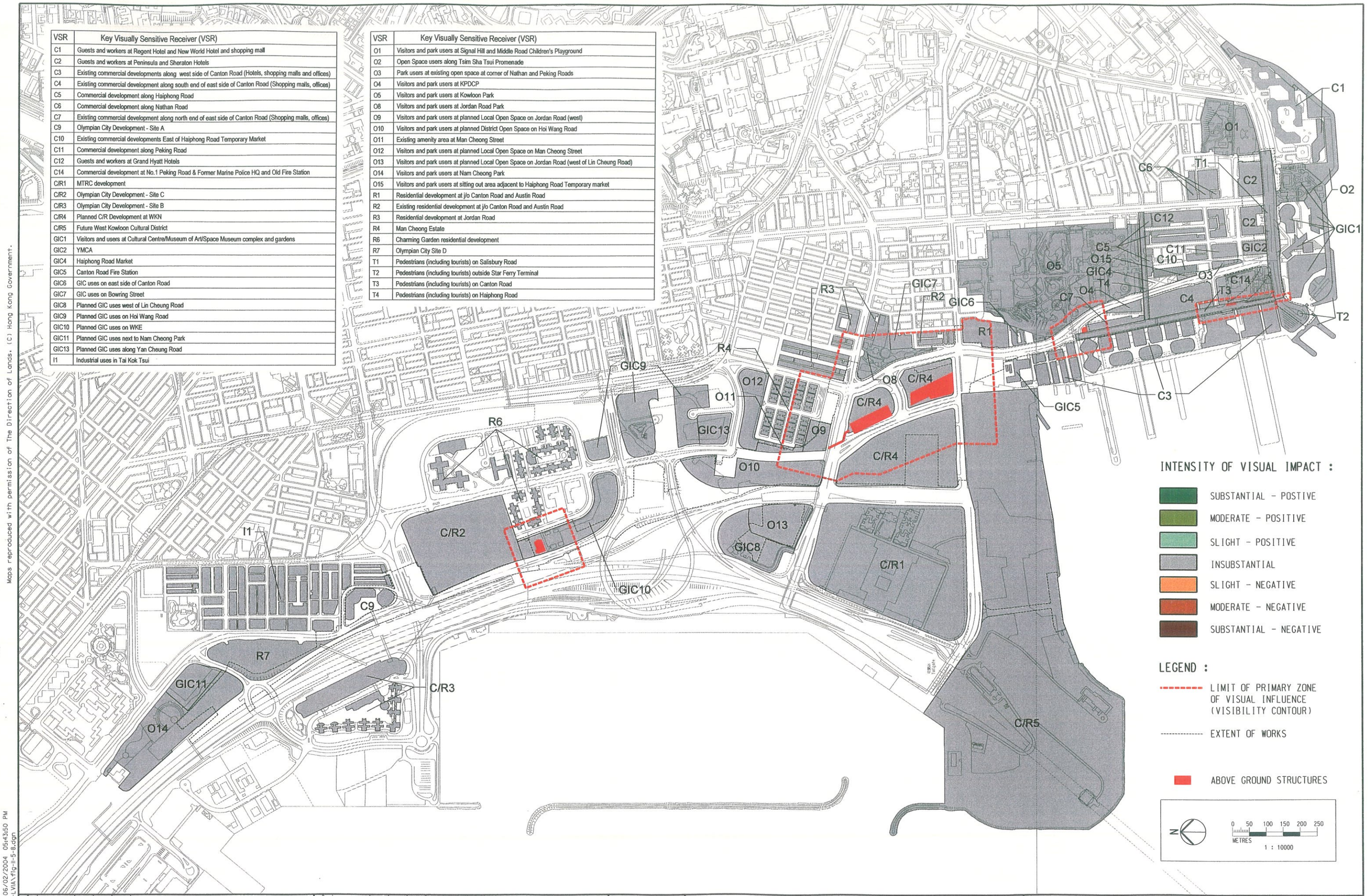
VSR	Key Visually Sensitive Receiver (VSR)
C1	Guests and workers at Regent Hotel and New World Hotel and shopping mall
C2	Guests and workers at Peninsula and Sheraton Hotels
C3	Existing commercial developments along west side of Canton Road (Hotels, shopping malls and offices)
C4	Existing commercial development along south end of east side of Canton Road (Shopping malls, offices)
C5	Commercial development along Haiphong Road
C6	Commercial development along Nathan Road
C7	Existing commercial development along north end of east side of Canton Road (Shopping malls, offices)
C9	Olympian City Development - Site A
C10	Existing commercial developments East of Haiphong Road Temporary Market
C11	Commercial development along Peking Road
C12	Guests and workers at Grand Hyatt Hotels
C14	Commercial development at No.1 Peking Road & Former Marine Police HQ and Old Fire Station
C/R1	MTRC development
C/R2	Olympian City Development - Site C
C/R3	Olympian City Development - Site B
C/R4	Planned C/R Development at WKN
C/R5	Future West Kowloon Cultural District
GIC1	Visitors and users at Cultural Centre/Museum of Art/Space Museum complex and gardens
GIC2	YMCA
GIC4	Haiphong Road Market
GIC5	Canton Road Fire Station
GIC6	GIC uses on east side of Canton Road
GIC7	GIC uses on Bowring Street
GIC8	Planned GIC uses west of Lin Cheung Road
GIC9	Planned GIC uses on Hoi Wang Road
GIC10	Planned GIC uses on WKE
GIC11	Planned GIC uses next to Nam Cheong Park
GIC13	Planned GIC uses along Yan Cheung Road
I1	Industrial uses in Tai Kok Tsui

VSR	Key Visually Sensitive Receiver (VSR)
O1	Visitors and park users at Signal Hill and Middle Road Children's Playground
O2	Open Space users along Tsim Sha Tsui Promenade
O3	Park users at existing open space at corner of Nathan and Peking Roads
O4	Visitors and park users at KPDCP
O5	Visitors and park users at Kowloon Park
O8	Visitors and park users at Jordan Road Park
O9	Visitors and park users at planned Local Open Space on Jordan Road (west)
O10	Visitors and park users at planned District Open Space on Hoi Wang Road
O11	Existing amenity area at Man Cheong Street
O12	Visitors and park users at planned Local Open Space on Man Cheong Street
O13	Visitors and park users at planned Local Open Space on Jordan Road (west of Lin Cheung Road)
O14	Visitors and park users at Nam Cheong Park
O15	Visitors and park users at sitting out area adjacent to Haiphong Road Temporary market
R1	Residential development at j/o Canton Road and Austin Road
R2	Existing residential development at j/o Canton Road and Austin Road
R3	Residential development at Jordan Road
R4	Man Cheong Estate
R6	Charming Garden residential development
R7	Olympian City Site D
T1	Pedestrians (including tourists) on Salisbury Road
T2	Pedestrians (including tourists) outside Star Ferry Terminal
T3	Pedestrians (including tourists) on Canton Road
T4	Pedestrians (including tourists) on Haiphong Road



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REV	DATE	BY	SUB	APP	DESCRIPTION
A	19MAR2004	PS			BOUNDARY REVISED

DESIGNED BY N. HENDRY
DRAWN BY J. LAM
CHECKED BY A. DUGGIE
IN CHARGE A. DUGGIE
DATE 09OCT2002

KCR 九廣鐵路

New Railway Projects 新鐵路策劃

Ove Arup & Partners Hong Kong Limited ARUP

KOWLOON SOUTHERN LINK KSL GSA-5100
EIA & ASSOCIATED SERVICES

RESIDUAL VISUAL IMPACTS IN OPERATION PHASE

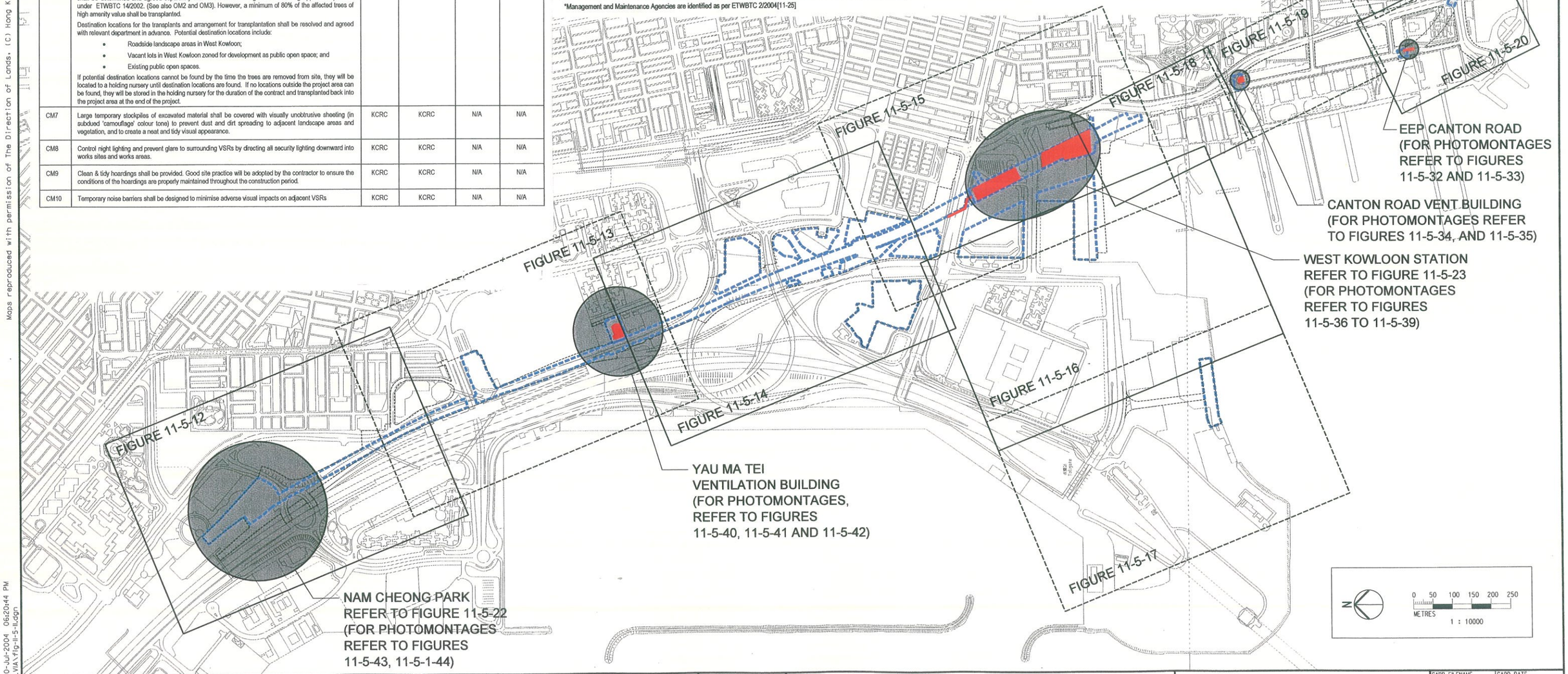
CADD FILENAME FIG-5-8.DGN
CADD DATE 09OCT2002
SCALE 1:10000 @ A3
DRAWING NUMBER FIGURE 11-5-8
SHEET NO
STAGE CODE P
REV A

Proposed Landscape and Visual Mitigation Measures in the Construction and Operation Phases

ID No.	Landscape and Visual Mitigation Measure	Funding Agency	Implementation Agency	Management Agency	Maintenance Agency
Construction Phase					
CM1	The construction area and contractor's temporary works areas shall be minimised to avoid impacts on adjacent landscape. Existing trees within contractor's temporary works areas should be retained and protected where practical (see also CM5 and CM6).	KCRC	KCRC	N/A	N/A
CM2	Regular checks shall be carried out to ensure that the work site bounderies are not transgressed, hoardings are properly maintained and that no damage is being caused to the surrounding landscape areas.	KCRC	KCRC	N/A	N/A
CM3	Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical. The Contract Specifications shall include for identification, storage and reuse of topsoil as appropriate. Under the Specification, the Contractor shall be required to identify at the commencement of the contract any existing topsoil for preservation, storage and re-use, for comment and approval by the Engineer.	KCRC	KCRC	N/A	N/A
CM4	The potential for soil erosion shall be reduced by minimising the extent of vegetation disturbance on site and by providing a protective cover (e.g. plastic sheeting or a grass cover established by hydroseeding) over newly exposed soil.	KCRC	KCRC	N/A	N/A
CM5	All works shall be carefully designed to minimise impacts on existing trees. All retained trees shall be recorded photographically at the commencement of the contract, and carefully protected during construction by fencing them off from the rest of the works. A detailed Tree Protection Specification shall be provided in the Contract Specifications. Under this specification, the Contractor shall be required to submit, for approval, a detailed Working Method Statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas. The project proponent shall review the site works in order to maximize the preservation of the trees of high amenity value in situ. A total of no more than 1200 trees shall be affected (i.e. felled or transplanted) by the works, of which no more than 105 shall be of high amenity value.	KCRC	KCRC	N/A	N/A
CM6	The project proponent shall maximize the transplantation of trees of high amenity value if preservation in situ is not feasible. A detailed Tree Transplanting Specification shall be provided in the Contract Specifications, if applicable. Sufficient time for necessary tree root and crown preparation periods prior to moving the trees shall be allowed in the project programme. Precise numbers of trees to be retained, transplanted and felled shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 14/2002. (See also OM2 and OM3). However, a minimum of 80% of the affected trees of high amenity value shall be transplanted. Destination locations for the transplants and arrangement for transplantation shall be resolved and agreed with relevant department in advance. Potential destination locations include: • Roadside landscape areas in West Kowloon; • Vacant lots in West Kowloon zoned for development as public open space; and • Existing public open spaces. If potential destination locations cannot be found by the time the trees are removed from site, they will be located to a holding nursery until destination locations are found. If no locations outside the project area can be found, they will be stored in the holding nursery for the duration of the contract and transplanted back into the project area at the end of the project.	KCRC	KCRC	N/A	N/A
CM7	Large temporary stockpiles of excavated material shall be covered with visually unobtrusive sheeting (in subdued 'camouflage' colour tone) to prevent dust and dirt spreading to adjacent landscape areas and vegetation, and to create a neat and tidy visual appearance.	KCRC	KCRC	N/A	N/A
CM8	Control night lighting and prevent glare to surrounding VSRs by directing all security lighting downward into works sites and works areas.	KCRC	KCRC	N/A	N/A
CM9	Clean & tidy hoardings shall be provided. Good site practice will be adopted by the contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period.	KCRC	KCRC	N/A	N/A
CM10	Temporary noise barriers shall be designed to minimise adverse visual impacts on adjacent VSRs	KCRC	KCRC	N/A	N/A

ID No.	Mitigation Measure	Funding Agency	Implementation Agency	Management Agency*	Maintenance Agency*
Operation Phase					
OM1	Not used	-	-	-	-
OM2	Compensatory tree planting shall be incorporated along all roadside amenity areas affected by the construction works. Required numbers and locations of compensatory trees shall be determined and agreed with Government during the Tree Felling Application process under ETWBTC14/2002.	KCRC	KCRC	HyD	LCSD
OM3	Compensatory tree planting shall be incorporated into any public open spaces affected by the construction works. Required numbers and locations of compensatory trees shall be determined and agreed with Government during the Tree Felling Application process under ETWBTC14/2002	KCRC	KCRC	LCSD	LCSD
OM4	The total number of compensatory trees planted in the project area, for OM2 and OM3 combined, shall be not less than 130% of the number of affected trees. (Compensatory trees may be either new trees, or existing trees that are transplanted to a holding nursery and then back to the project area). Compensatory trees shall be at least heavy standard size, unless planting is on a slope, in which case tree size will be the largest practical size given technical restrictions due to slope angle. Semi-mature size trees shall be used where appropriate at sensitive and prominent locations (e.g. Salisbury Garden).	KCRC	KCRC	HyD or LCSD	LCSD
OM5	Sensitive design and reprovision of the affected areas of Nam Cheong Park incorporating replacement facilities for those provided at present, using materials of a quality suitable for long term use and acceptable to relevant Government departments, plus provision of a new toilet block.	KCRC	KCRC	LCSD	LCSD/ArchSD (hard landscape work)
OM6	Reinstatement of levels at planned open spaces allowing adequate structural loading for future flexibility in open space design, particularly for landform, earth mounding, typical park structures (pergolas, pavilions, store rooms, toilet blocks etc.) and tree planting works (requiring a minimum soil depth of 1.5m).	KCRC	KCRC	-	-
OM7	Reinstatement of works areas to former condition, subject to applicable Government standards.	KCRC	KCRC	-	-
OM8	Attractive streetscape design shall be incorporated at all station entrances areas and above ground structures, including the provision of tree planting where space permits. All streetscape areas and hard and soft landscape areas disturbed during construction shall be reinstated to equal or better quality, to the satisfaction of the relevant Government departments.	KCRC	KCRC	HyD	HyD / LCSD
OM9	All above ground structures, including Station Entrances, Vent Shafts, Emergency and Firemen's' Accesses etc shall be sensitively designed in a manner that responds to the existing and planned urban context, which may include soft landscape measures, to minimise the potential adverse landscape and visual impacts.	KCRC	KCRC	KCRC within KCRC boundary, elsewhere HyD	KCRC within KCRC boundary, elsewhere LCSD
OM10	The Footbridge Link between WKN Station and existing footbridge FB14 shall be designed to the satisfaction of ACABAS.	KCRC	KCRC	HyD	HyD
OM11	Temporary planting shall be implemented along east side of WKN station structure to provide partial screening and to create a more pleasant pedestrian environment prior to any future property development on the sites.	KCRC	KCRC	KCRC	KCRC
OM12	Tall shrubs and climbing plants shall be planted against the face of the Canton Road Plant Building so as to soften building façade. Trees shall also be planted in locations around the building where traffic sightlines permit.	KCRC	KCRC	KCRC with KCRC boundary,elsewhere Hyd	KCRC with KCRC boundary,elsewhere Hyd
OM13	Creation of attractive public streetscape area in front of West Kowloon Station (at least 400sq.m.), with shade trees in paving and adequate seating facilities, as partial mitigation for the permanent alienation of public open space at corner of Canton Road and Kowloon Park Drive	KCRC	KCRC	KCRC with KCRC boundary,elsewhere Hyd	KCRC with KCRC boundary,elsewhere Hyd

*Management and Maintenance Agencies are identified as per ETWBTC 2/2004[11-25]



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REV	DATE	BY	SUB	APP	DESCRIPTION
B	20JUL2004	PS			RESPONSE TO COMMENTS
A	19MAR2004	PS	AMD	AMD	BOUNDARY REVISED

DESIGNED BY N. HENDRY
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Ove Arup & Partners Hong Kong Limited ARUP

KOWLOON SOUTHERN LINK KSL GSA-5100
EIA & ASSOCIATED SERVICES
LANDSCAPE AND VISUAL MITIGATION MEASURES IN CONSTRUCTION AND OPERATION PHASES - KEY PLAN

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CADD DATE 09OCT2002
SCALE 1:10000 @ A3
DRAWING NUMBER FIGURE 11-5-11
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REV B