

本署檔號
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8 May 2013

Urgent by Registered Post and by Fax: (2827 8700)

Drainage Services Department
44th Floor, Revenue Tower
5 Gloucester Road, Wanchai,
Wanchai,
Hong Kong
(Attn: Mr. Chan Sze-chai, Rick)

Dear Sir,

Drainage Improvement Works at Ngong Ping

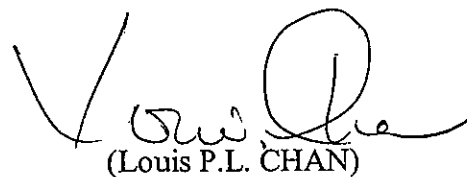
Approval Environmental Impact Assessment Report (Register No. AEIAR – 169/2013)
Submission for Fulfillment of EIA Approval Conditions

I refer to your letter reference DP 8/4163CD/65 dated 2 May 2013.

Pursuant to the approved conditions of the captioned EIA report, I am pleased to confirm that the submitted amendments are acceptable and will be placed on the EIA Ordinance Register. The electronic copy will be uploaded onto the EIA Ordinance website.

Shall you have any queries on the above, please contact our Ms Clara U at 2835 2164.

Yours sincerely,



(Louis P.L. CHAN)

Acting Principal Environmental Protection Officer
(Regional Assessment)
for Director of Environmental Protection

c.c. w/encl. (by email) Secretary to EIA Subcommittee of the ACE

Project Title: Drainage Improvement Works at Ngong Ping (Application No. EIA – 206/2012)

Reference of the Approved EIA Report in the Register : AEIAR-169/2013
Conditions of Approval under Section 8(3) of the EIA Ordinance (the Ordinance)

Response to Conditions of Approval (EPD's letter dated 21 April 2013)

Conditions of Approval	Project Proponent's Response
1. The Project Proponent shall amend the Habitat Maps of the EIA report to include the seasonal streams which were identified and assessed in the EIA report.	The seasonal streams were identified and shown in other figures and assessed in the EIA Report. Please refer to Annex 1 to this response showing the updated Habitat Maps of the EIA report with the inclusion of the seasonal streams.
2. The Project Proponent shall amend the Tree Assessment Schedule of the EIA Report to include data on the diameters of trees being surveyed.	The typo errors are amended. Please refer to Annex 2 to this response showing the updated Tree Assessment Schedule of the EIA report with the amended data on the diameters of trees being surveyed.
3. The Project Proponent shall amend the Preferred Construction Programme of the EIA report to include the works to be carried out in the rainy and non-rainy period with a view to minimizing the works to be carried out in the rainy period as much as possible.	Please refer to Annex 3 to this response showing the updated Preferred Construction Programme of the EIA report.
4. The Project Proponent shall amend Section 5.8.3.3 of the EIA report to include the detailed findings of ground investigation works which was carried out for the project.	Please refer to Annex 4 to this response showing the amended Section 5.8.3.3 of the EIA report supplementing the information regarding the ground investigation works carried out for the Project.
5. The Project Proponent shall amend Section 6.9.1.7 of the EIA report to include locations	Please refer to Annex 5 to this response showing the amended Section 6.9.1.7 of

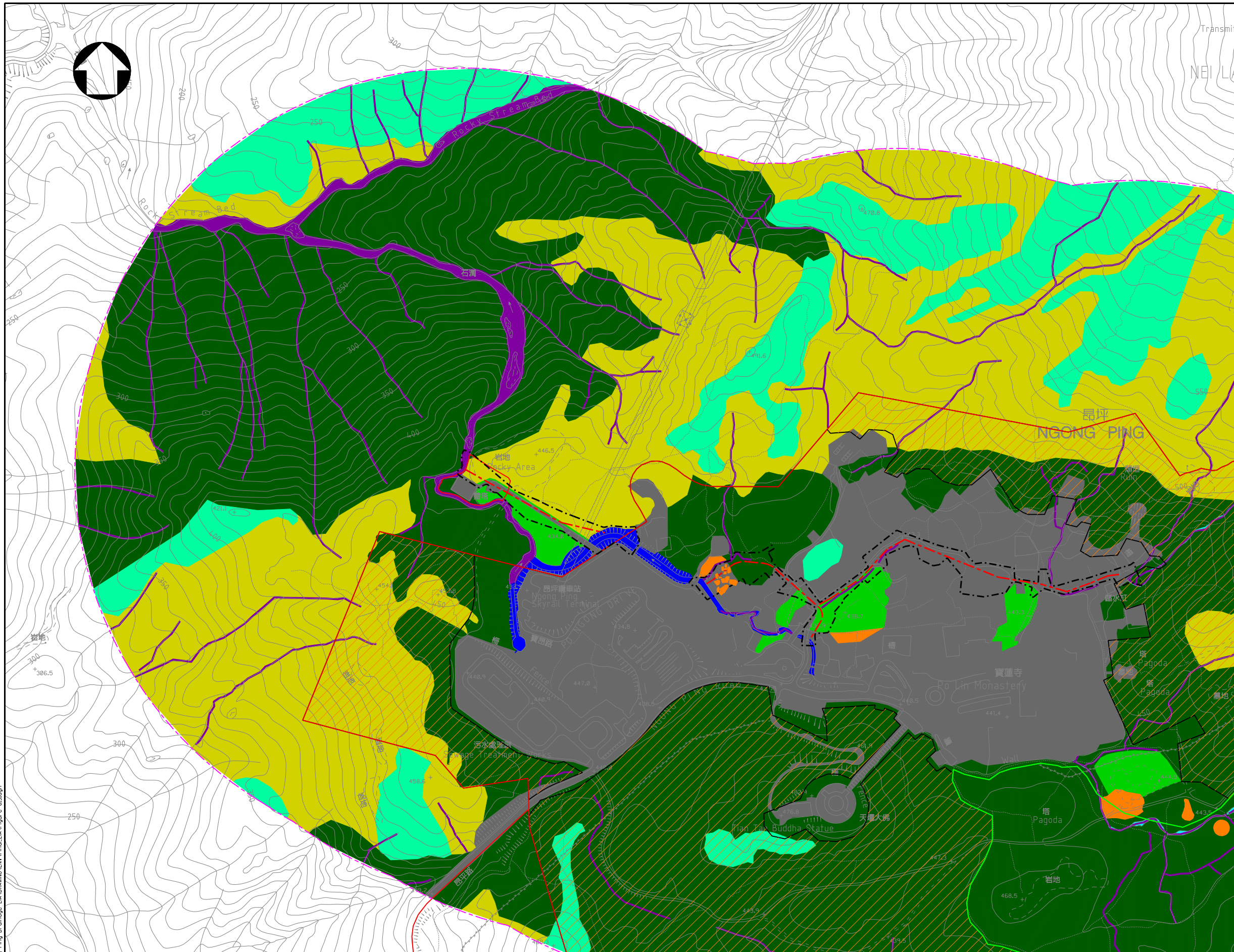
and extent of the proposed haulage roads for the project and to confirm that no haulage road for the project during construction would require the clearance of sensitive habitats.	the EIA report illustrating the movement of construction vehicles and the formation of haulage roads during construction that would require the clearance of sensitive habitats would not be required.
6. The amendments described above shall be submitted to the Director on or before 6 th May 2013.	Noted

Response to Other Issue (EPD's letter dated 21 April 2013)

Issue	Project Proponent's Response
1. EPD also advised DSD to reassure DSD's commitment made at an early consultation meeting on further consulting the green groups at the detailed design stage of the project and to clarify this issue to better reflect the views of the green groups made at the consultation meeting to avoid ambiguity.	Please refer to Annex 6 to this response showing the amended Section 1.4.1.2 of the EIA report confirming our commitment to further consult the stake-holders including the green groups on the detail design in mid 2013 and clarifying the views of the stake-holders made at the consultation meeting in Nov 2009.

Annex 1

Amendment to Habitat Maps of the EIA Report



- LEGENDS:**
- PROPOSED ALIGNMENT
 - PROJECT AREA
 - 500m STUDY AREA
 - COUNTRY PARK
 - SITE OF SPECIAL SCIENTIFIC INTEREST
 - CONSERVATION AREA
 - AGRICULTURAL LAND
 - DEVELOPED AREA
 - GRASSLAND
 - PLANTATION
 - SECONDARY WOODLAND
 - SHRUBLAND
 - STREAM
 - CHANNELISED WATERCOURSE
 - SEASONAL STREAM

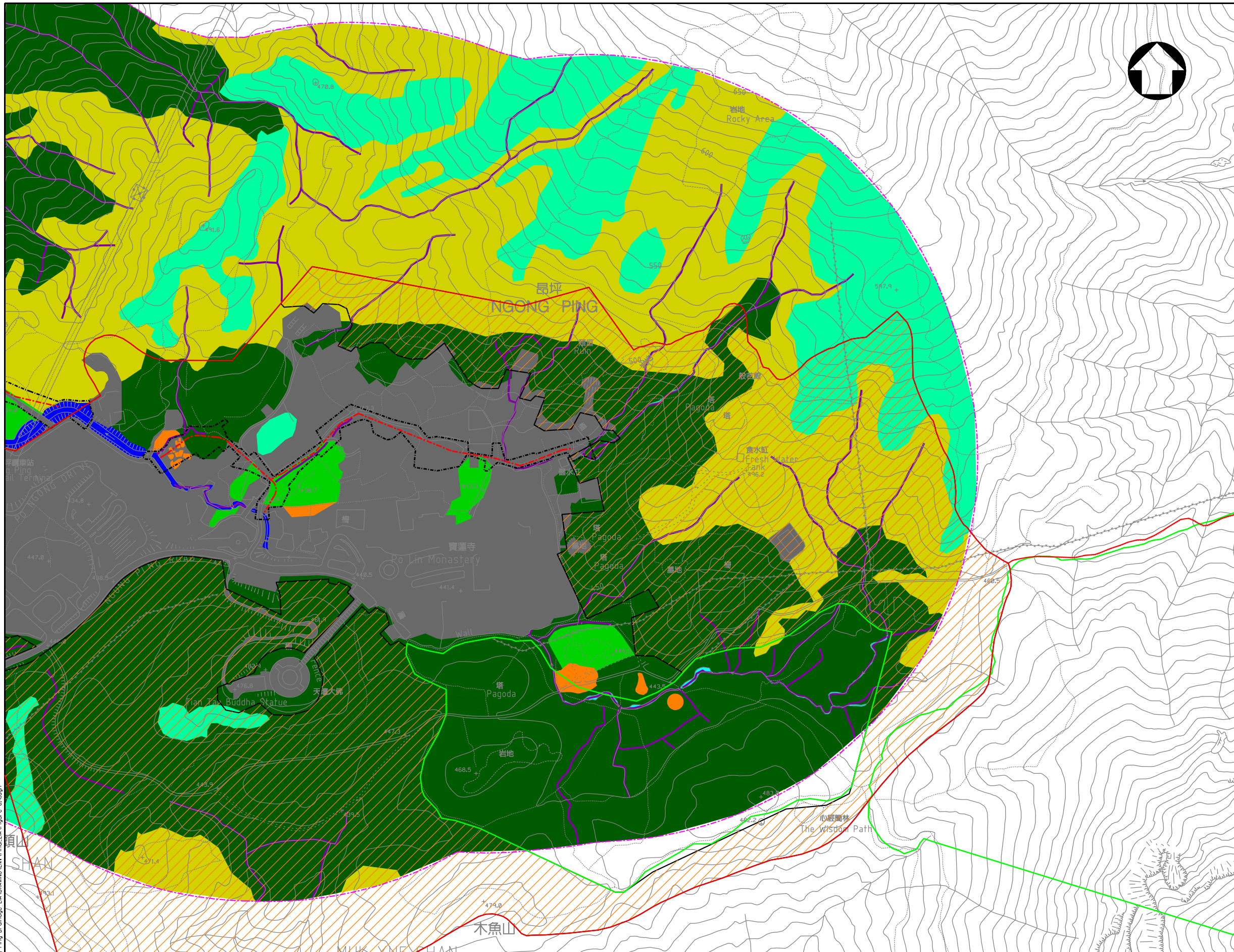
25/1/2013 02:13:38 KA9254 Ngong Ping Drainage EIA/DRM/ENV/Final/EIA/Figure 6.3.dgn



**DRAINAGE SERVICES
DEPARTMENT
HONG KONG**

**HABITAT MAP
(SHEET 1 OF 2)**

Figure:	6.3		Rev:
Scale:	1 : 5000 (A3)		4



LEGENDS:

- PROPOSED ALIGNMENT
- PROJECT AREA
- 500m STUDY AREA
- COUNTRY PARK
- SITE OF SPECIAL SCIENTIFIC INTEREST
- CONSERVATION AREA
- AGRICULTURAL LAND
- DEVELOPED AREA
- GRASSLAND
- PLANTATION
- SECONDARY WOODLAND
- SHRUBLAND
- STREAM
- CHANNELISED WATERCOURSE
- SEASONAL STREAM

3/22/2013 5:31:23 PM
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**DRAINAGE SERVICES
DEPARTMENT
HONG KONG**

**HABITAT MAP
(SHEET 2 OF 2)**

Figure:	6.4	Rev:
Scale:	1 : 5000 (A3)	4

Annex 2

Amendment to Tree Assessment Schedule of the EIA Report

Agreement NO. DP 06/2011
 Environmental Impact Assessment for
 Drainage Improvement Works at Ngong Ping

Tree Schedule of Ngong Ping Drainage Works

Tree no.	Botanical Name	Chinese Common Name	Tree Species Origins	Location of Tree	Easting	Northing	Level (mPD)	Diameter (in meter) at breast height (measured at 1.3m above ground level)	Tree Height (in meter)	Canopy Spread (in meter)	Tree Form	General tree Health	Amenity value	Drawing No.	Photo page	Expected survival rate after transplanting	Proposed recommendation	Jurisdiction of the tree	Remark
ID	Name1	Name2	Origin		East	North	Level	Trunk Dia	Height	Crown dia	Form	health	Amenity	Drawing	Photo	Survival	recommendation	Authority	Rem_Final
T001	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807958.25	813167.89	433.31	0.11	4.5	4.0	Fair	Fair	M	002	1 of 204	N/A	Retain	AFCD	Abnormal taper
T002	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807951.98	813167.58	433.42	0.12	4.5	4.0	Poor	Poor	L	002	1 of 204	N/A	Retain	AFCD	suspected wind damage, potential hazardous tree
T003	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807948.15	813167.14	433.36	0.13	4.5	4.0	Poor	Poor	L	002	1 of 204	N/A	Retain	AFCD	Multi head, included bark
T004	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807948.39	813164.96	433.48	0.11	4.5	3.0	Poor	Poor	L	002	2 of 204	N/A	Retain	AFCD	Multi head, included bark
T005	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807947.24	813161.78	433.47	0.10	3.5	3.0	Poor	Poor	L	002	2 of 204	N/A	Retain	AFCD	included bark, dieback branch
T006	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807944.22	813159.43	433.41	0.14	4.0	3.0	Fair	Fair	M	002	2 of 204	N/A	Retain	AFCD	Abnormal taper
T007	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807939.35	813163.08	433.28	0.10	5.0	1.0	Fair	Poor	M	002	3 of 204	N/A	Retain	AFCD	twin head, minor yellow foliage, serious dieback branch
T008	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807981.10	813167.93	435.20	0.12	4.0	4.0	Fair	Fair	M	002	3 of 204	N/A	Retain	AFCD	leaning; abnormal taper
T009	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807927.75	813173.62	434.45	0.18	5.0	5.0	Fair	Fair	M	002	3 of 204	N/A	Retain	AFCD	
T010	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807972.31	813173.99	436.10	0.11	4.0	4.0	Fair	Fair	M	002	4 of 204	N/A	Retain	AFCD	
T011	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807966.59	813176.74	434.18	0.10	5.0	3.0	Fair	Fair	M	002	4 of 204	N/A	Retain	AFCD	leaning; included bark
T012	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807964.38	813178.75	434.70	0.13	5.0	3.0	Fair	Poor	M	002	4 of 204	N/A	Retain	AFCD	leaning; included bark
T013	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807957.68	813183.16	435.51	0.13	5.5	3.0	Fair	Fair	M	002	5 of 204	N/A	Retain	AFCD	Tree inside WA3, Protection needed;
T014	Artocarpus heterophyllus	菠蘿蜜	Exotic	Within Works Boundary	807960.95	813182.88	435.89	0.17	7.0	2.0	Fair	Fair	M	002	5 of 204	N/A	Retain	AFCD	
T015	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807961.74	813181.96	435.72	0.13	5.0	4.0	Fair	Fair	M	002	5 of 204	N/A	Retain	AFCD	
T016	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807964.51	813180.41	436.21	0.10	5.0	3.0	Fair	Fair	M	002	6 of 204	N/A	Retain	AFCD	
T017	Mallotus paniculatus	白楸	Native	Within Works Boundary	807968.33	813180.02	436.81	0.10	5.0	3.0	Fair	Fair	M	002	6 of 204	N/A	Retain	AFCD	
T018	dead wood	枯樹	N/A	Within Works Boundary	807972.01	813179.71	437.43	0.11	4.0	2.0	N/A	N/A	N/A	002	6 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment)
T019	Mallotus paniculatus	白楸	Native	Within Works Boundary	807972.64	813179.82	437.42	0.11	4.0	3.0	Fair	Fair	M	002	7 of 204	N/A	Retain	AFCD	
T020	Viburnum odoratissimum	珊瑚樹	Native	Within Works Boundary	807975.05	813180.88	437.70	0.21	4.0	4.0	Fair	Fair	M	002	7 of 204	N/A	Retain	AFCD	
T021	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807975.06	813181.43	438.02	0.28	9.0	6.0	Fair	Fair	M	002	7 of 204	N/A	Retain	AFCD	
T022	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807923.01	813165.85	433.16	0.10	4.5	4.0	Fair	Fair	M	002	8 of 204	N/A	Retain	AFCD	
T023	Erythrina variegata	刺桐	Exotic	Within Works Boundary	807981.91	813177.36	437.87	0.20	5.0	5.0	Fair	Fair	M	002	8 of 204	N/A	Retain	AFCD	
T024	Erythrina variegata	刺桐	Exotic	Within Works Boundary	807982.08	813176.89	437.76	0.10	3.0	3.0	Fair	Fair	M	002	8 of 204	N/A	Retain	AFCD	
T025	Casuarina equisetifolia	木麻黃	Exotic	Within Works Boundary	807983.36	813172.97	437.66	0.22	8.0	3.0	Fair	Fair	M	002	9 of 204	N/A	Retain	AFCD	
T026	Casuarina equisetifolia	木麻黃	Exotic	Within Works Boundary	807982.65	813173.20	437.38	0.37	14.0	7.0	Fair	Fair	M	002	9 of 204	N/A	Retain	AFCD	
T027	Casuarina equisetifolia	木麻黃	Exotic	Within Works Boundary	807982.14	813173.40	437.21	0.27	12.0	5.0	Fair	Fair	M	002	9 of 204	N/A	Retain	AFCD	
T028	Casuarina equisetifolia	木麻黃	Exotic	Within Works Boundary	807981.61	813173.49	437.17	0.16	9.0	3.0	Fair	Fair	M	002	10 of 204	N/A	Retain	AFCD	
T029	Mangifera indica	芒果	Exotic	Within Works Boundary	807980.45	813172.01	437.15	0.31	6.0	6.0	Fair	Fair	M	002	10 of 204	N/A	Retain	AFCD	
T030	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807934.18	813183.23	434.42	0.22	7.0	4.0	Poor	Poor	M	002	10 of 204	N/A	Retain	AFCD	included bark; serious dieback
T031	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807935.10	813183.99	434.47	0.26	7.0	5.0	Poor	Poor	L	002	11 of 204	N/A	Retain	AFCD	included bark; potential hazardous tree; serious decay main trunk (5m x 70 mm)
T032	Machilus pauhoi Kanehira	劍花潤楠	Native	Within Works Boundary	807933.76	813183.21	434.52	0.18	7.0	4.0	Fair	Fair	M	002	11 of 204	N/A	Retain	AFCD	decay branch (major limb 60 mm x 3 m); potential hazardous tree
T033	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807930.50	813180.67	434.58	0.23	7.0	5.0	Fair	Poor	M	002	11 of 204	N/A	Retain	AFCD	Cankers found on trunk; abnormal taper; leaning; serious dieback
T034	dead wood	枯樹	N/A	Within Works Boundary	807934.56	813185.76	434.46	0.11	3.0	1.0	N/A	N/A	N/A	002	12 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment)
T035	Machilus pauhoi Kanehira	劍花潤楠	Native	Within Works Boundary	807934.15	813185.51	434.45	0.11	4.0	1.0	Fair	Fair	M	002	12 of 204	N/A	Retain	AFCD	
T036	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807929.13	813179.34	434.56	0.16	7.0	4.0	Fair	Poor	M	002	12 of 204	N/A	Retain	AFCD	sapping; seious dieback branch; rotten wound at girth; decay cavity; abnormal taper
T037	Acacia confusa	台灣相思	Exotic	Within Works Boundary	807927.84	813178.41	434.53	0.18	7.0	5.0	Fair	Poor	M	002	13 of 204	N/A	Retain	AFCD	multi head; decay cavity at girth; serious dieback branch; potential hazardous tree (removal of a dead limb is recommend 60 mm x 5m)
T038	Cinnamomum camphora	樟樹	Native	Within Works Boundary	807926.59	813179.25	434.40	0.22	7.0	5.0	Fair	Fair	M	002	13 of 204	N/A	Retain	AFCD	Cankers found on trunk; multi head; no epicormic shoot was observed
T039	dead wood	枯樹	N/A	Within Works Boundary	807926.70	813180.25	434.36	0.11	6.0	1.0	N/A	N/A	N/A	002	13 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment)
T040	dead wood	枯樹	N/A	Within Works Boundary	807927.20	813180.48	434.32	0.11	6.0	1.0	N/A	N/A	N/A	002	14 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment)

Tree no.	Botanical Name	Chinese Common Name	Tree Species Origins	Location of Tree	Easting	Northing	Level (mPD)	Diameter (in meter) at breast height (measured at 1.3m above ground level)	Tree Height (in meter)	Canopy Spread (in meter)	Tree Form	General tree Health	Amenity value	Drawing No.	Photo page	Expected survival rate after transplanting	Proposed recommendation	Jurisdiction of the tree	Remark	
T359	<i>Mangifera indica</i>	芒果	Exotic	Within Works Boundary	808245.37	813089.99	437.74	0.31	11.0	6.0	Poor	Fair	L	005	104 of 204	N/A	Retain	AFCD		
T360	<i>Viburnum odoratissimum</i>	珊瑚樹	Native	Within Works Boundary	808246.80	813091.55	437.62	0.10	7.0	3.0	Fair	Fair	M	005	105 of 204	N/A	Retain	AFCD		
T361	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T361 is not used
T362	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T362 is not used
T363	dead wood	枯樹	N/A	Within Works Boundary	808238.32	813054.26	436.62	0.21	2.0	1.0	N/A	N/A	N/A	005	105 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment)	
T364	<i>Machilus chekiangensis</i>	浙江潤楠	Native	Within Works Boundary	808235.87	813055.32	436.66	0.15	6.0	2.0	Fair	Fair	M	005	105 of 204	N/A	Retain	AFCD		
T365	<i>Mallotus paniculatus</i>	白楸	Native	Within Works Boundary	808235.83	813053.84	437.57	0.12	7.0	3.0	Fair	Fair	M	005	106 of 204	N/A	Retain	AFCD		
T366	<i>Viburnum odoratissimum</i>	珊瑚樹	Native	Within Works Boundary	808234.25	813051.76	437.30	0.24	10.0	7.0	Poor	Fair	M	005	106 of 204	N/A	Retain	AFCD	Minor pruning (subject to site condition); Tree crown spread into SA2	
T367	dead wood	枯樹	N/A	Within Works Boundary	808233.17	813052.22	437.28	0.13	5.0	3.0	N/A	N/A	N/A	005	106 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment); Within area of woodland to be protected	
T368	<i>Machilus pauhoi Kanehira</i>	刨花潤楠	Native	Within Works Boundary	808227.52	813050.29	436.65	0.10	5.0	3.0	Poor	Fair	M	005	107 of 204	L	Fell	AFCD	Tree in direct conflict with SA2, remove to provide working space; abnormal taper, decayed trunk	
T369	<i>Machilus pauhoi Kanehira</i>	刨花潤楠	Native	Within Works Boundary	808225.62	813048.29	436.60	0.21	10.0	4.0	Poor	Fair	L	005	107 of 204	L	Fell	AFCD	Tree in direct conflict with SA2, remove to provide working space, abnormal bark crack, leaning	
T370	dead wood	枯樹	N/A	Within Works Boundary	808227.96	813056.46	437.23	0.17	5.0	4.0	N/A	N/A	N/A	005	107 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment)	
T371	dead wood	枯樹	N/A	Within Works Boundary	808230.85	813057.36	437.48	0.21	6.5	5.0	N/A	N/A	N/A	005	108 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment)	
T372	dead wood	枯樹	N/A	Within Works Boundary	808235.24	813059.13	437.76	0.21	5.0	4.0	N/A	N/A	N/A	005	108 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment); Within area of woodland to be protected	
T373	<i>Ficus hispida</i>	對葉榕	Native	Within Works Boundary	808234.86	813061.43	437.71	0.13	6.0	4.0	Poor	Fair	M	005	108 of 204	N/A	Retain	AFCD	Tree inside SA2, Protection needed;	
T374	<i>Machilus pauhoi Kanehira</i>	刨花潤楠	Native	Within Works Boundary	808230.01	813062.14	437.66	0.37	12.0	7.0	Fair	Fair	M	005	109 of 204	L	Fell	AFCD	Very close to trench and works area, direct conflict; Root system is subject to serious damage due to open trench excavation	
T375	<i>Machilus chekiangensis</i>	浙江潤楠	Native	Within Works Boundary	808233.24	813065.02	437.80	0.21	7.0	4.0	Fair	Fair	M	005	109 of 204	N/A	Retain	AFCD	Minor pruning (subject to site condition); Tree in SA2 and crown spread into haul road	
T376	<i>Machilus chekiangensis</i>	浙江潤楠	Native	Within Works Boundary	808232.65	813065.95	437.36	0.23	7.0	5.0	Fair	Fair	M	005	109 of 204	N/A	Retain	AFCD	Minor pruning (subject to site condition); Tree in SA2 and crown spread into haul road	
T377	<i>Sterculia lanceolata</i>	假蘋婆	Native	Within Works Boundary	808234.13	813066.98	437.55	0.21	9.0	5.0	Fair	Fair	M	005	110 of 204	N/A	Retain	AFCD	Tree inside SA2, Protection needed;	
T378	dead wood	枯樹	N/A	Within Works Boundary	808234.44	813067.41	437.34	0.11	5.0	4.0	N/A	N/A	N/A	005	110 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment)	
T379	<i>Ficus virens var. sublanceolata</i>	大葉榕	Native	Within Works Boundary	808235.35	813068.06	437.47	0.11	6.0	3.0	Poor	Poor	L	005	110 of 204	N/A	Retain	AFCD	Tree inside SA2, Protection needed;	
T380	dead wood	枯樹	N/A	Within Works Boundary	808233.30	813067.83	436.34	0.10	5.0	4.0	N/A	N/A	N/A	005	111 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment)	
T381	<i>Cinnamomum camphora</i>	樟樹	Native	Within Works Boundary	808238.31	813074.38	436.72	0.33	8.0	7.0	Fair	Fair	M	005	111 of 204	N/A	Retain	AFCD	Tree inside SA2, Protection needed; Included bark	
T382	dead wood	枯樹	N/A	Within Works Boundary	808239.44	813072.76	437.43	0.10	6.0	2.0	N/A	N/A	N/A	005	111 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment)	
T383	<i>Cinnamomum camphora</i>	樟樹	Native	Within Works Boundary	808241.97	813072.24	437.85	0.29	8.0	6.0	Fair	Fair	M	005	112 of 204	N/A	Retain	AFCD	Tree inside SA2, Protection needed;	
T384	dead wood	枯樹	N/A	Within Works Boundary	808241.42	813071.56	437.79	0.11	5.0	3.0	N/A	N/A	N/A	005	112 of 204	N/A	Fell	AFCD	Dead wood which impose potential damage; Shall remove for occupational safety (NOT in direct conflict to alignment)	
T385	<i>Acacia confusa</i>	台灣相思	Exotic	Within Works Boundary	808237.63	813063.49	438.01	0.59	13.0	11.0	Good	Good	H	005	112 of 204	N/A	Retain	AFCD		
T386	<i>Sapium sebiferum</i>	烏桕	Native	Within Works Boundary	808244.58	813075.17	437.92	0.15	5.0	4.0	Fair	Fair	M	005	113 of 204	N/A	Retain	AFCD	Tree inside SA2, Protection needed;	
T387	<i>Cinnamomum camphora</i>	樟樹	Native	Within Works Boundary	808242.85	813076.30	437.60	0.11	6.0	3.0	Fair	Fair	M	005	113 of 204	N/A	Retain	AFCD	Tree inside SA2, Protection needed;	
T388	<i>Mangifera indica</i>	芒果	Exotic	Within Works Boundary	808241.82	813078.92	437.09	0.14	6.0	4.0	Poor	Fair	L	005	113 of 204	N/A	Retain	AFCD	Tree inside SA2, Protection needed;	

Tree no.	Botanical Name	Chinese Common Name	Tree Species Origins	Location of Tree	Easting	Northing	Level (mPD)	Diameter (in meter) at breast height (measured at 1.3m above ground level)	Tree Height (in meter)	Canopy Spread (in meter)	Tree Form	General tree Health	Amenity value	Drawing No.	Photo page	Expected survival rate after transplanting	Proposed recommendation	Jurisdiction of the tree	Remark	
T749	<i>Cinnamomum camphora</i>	樟樹	Native	Within Works Boundary	808591.58	813119.75	447.77	0.24	7.0	4.0	Poor	Fair	M	008	202 of 204	N/A	Retain	AFCD	Minor pruning (subject to site condition); Tree right next and spread into SA1	
T750	<i>Cinnamomum camphora</i>	樟樹	Native	Within Works Boundary	808591.65	813120.53	447.73	0.13	5.0	4.0	Fair	Fair	M	008	202 of 204	N/A	Retain	AFCD	Minor pruning (subject to site condition)	
T751	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T751 is not used
T752	<i>Machilus pauhoi</i> Kanehira	劍花潤楠	Native	Within Works Boundary	808594.56	813121.34	448.13	0.21	8.0	4.0	Fair	Fair	M	008	202 of 204	N/A	Retain	AFCD	Minor pruning (subject to site condition)	
T753	<i>Psidium guajava</i>	番石榴	Exotic	Within Works Boundary	808595.41	813121.64	448.07	0.16	7.0	4.0	Fair	Fair	M	008	203 of 204	N/A	Retain	AFCD	Minor pruning (subject to site condition)	
T754	<i>Magnolia grandiflora</i>	荷花玉蘭	Exotic	Within Works Boundary	808597.87	813121.89	448.13	0.22	3.0	2.0	Fair	Fair	M	008	203 of 204	N/A	Retain	AFCD		
T755	<i>Magnolia grandiflora</i>	荷花玉蘭	Exotic	Within Works Boundary	808601.29	813125.00	448.27	0.22	4.0	3.0	Fair	Fair	M	008	203 of 204	N/A	Retain	AFCD		
T756	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T756 is not used
T757	<i>Cinnamomum camphora</i>	樟樹	Native	Within Works Boundary	808610.30	813127.03	449.55	0.43	8.0	6.0	Good	Good	H	008	204 of 204	N/A	Retain	AFCD		
T758	<i>Magnolia grandiflora</i>	荷花玉蘭	Exotic	Within Works Boundary	808613.66	813128.07	449.83	0.21	4.0	4.0	Good	Good	H	008	204 of 204	N/A	Retain	AFCD		
T759	<i>Litchi chinensis</i>	荔枝	Exotic	Within Works Boundary	808621.07	813131.95	451.39	0.14	4.0	4.0	Fair	Fair	M	008	204 of 204	N/A	Retain	AFCD		
T760	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T760 is not used
T761	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T761 is not used
T762	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T762 is not used
T763	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T763 is not used
T764	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T764 is not used
T765	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T765 is not used
T766	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T766 is not used
T767	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T767 is not used
T768	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T768 is not used
T769	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T769 is not used
T770	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T770 is not used
T771	Not Used	N/A	-	Outside Works Boundary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Tree no. T771 is not used
771		771			771	771	771	118.14	4001.00	2549.80	771	771		771	771			771		

Summary of Recommendation. As of 3 December 2012.

	No. of Tree
Retain	457
Prune	0
Fell*	155
Transplant	0
Total	612

*including 65 nos. of dead woods, 1 no. of *Leucaena leucocephala*, 88 nos. of trees in direct conflict with construction works and 1 no. of tree with poor health and form

Annex 3

Amendment to Preferred Construction Programme of the EIA Report

08-14 09-14 10-14 11-14 12-14 01-15 02-15 03-15 04-15 05-15 06-15 07-15 08-15 09-15 10-15 11-15 12-15 01-16 02-16 03-16 04-16 05-16 06-16 07-16 08-16 09-16 10-16 11-16 12-16 01-17

Main ID	Sub ID	System	Works Section	Tasks	Durations (month)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
1	1.1	Site preparation		Site clearance	1	█																															
	1.2				Construction of site office	2	█	█																													
2	2.1	Interception Drain	1	Construction of DN 1500mm drain pipe by open-cut method : Chainage A0+00 to A1+20 and associated manholes	6			█	█	█	█	█	█																								
	2.2		1	Construction of inlet structure (Intake A) at Chainage A0+00	2									R	R																						
	2.3		3	Construction of DN 1500mm drain pipe by open-cut method : Chainage A3+00 to A4+50 and associated manholes	7										█	█	█	█	█	█																	
3	3.1	Loop System	4	Construction of 2.5m x 2.5m box culvert : Chainage B0+00 to B0+45	3																█	█															
	3.2		4	Construction of inlet structure (Intake B) at Chainage B0+00	2																			nR	nR												
	3.3		5	Construction of 3.0m x 2.5m box culvert : Chainage B0+45 to B2+27	10																					█	█	█	█	█	█	█	█	█	█	█	█
	3.4		5	Construction of outfall structure (Outfall A) at Chainage B2+27	2																													nR	nR		
4	4.1	Flood Relief Drain	6	Construction of jacking pit (JP2)	2			█	█																												
	4.2		6	Construction of DN 1800 drain pipe by trenchless method : Chainage C0+00 to C2+12	10																																
	4.3		6	Construction of receiving pits (RP3 and RP4) and associated manholes	4				nR												nR	nR															
			6	Backfilling of JP2	1																																
	4.4		6	Construction of inlet structure (Intake C) at Chainage C0+00 and outfall structure (Outfall B) at Chainage C2+08	3																		nR	nR	nR												
5	5.1	Interception Drain	2	Construction of jacking pit (JP1)	2																																
	5.2		2	Construction of DN 1500mm drain pipe by trenchless method : Chainage A1+20 to A3+00	11																																
	5.3		2	Construction of receiving pits (RP1 and RP2) and associated manholes; concreting and backfilling of manhole	4																																
			2	Backfilling of JP1	1																																
6	6.1		2	Demolition of site office and site clearance	2																																

Overall Duration 30 R = constructing interfacing structure during rainy period nR = constructing interfacing structure during non-rainy period. █ = wet season



DRAINAGE SERVICES DEPARTMENT HONG KONG

PREFERRED CONSTRUCTION PROGRAMME (TENTATIVE)

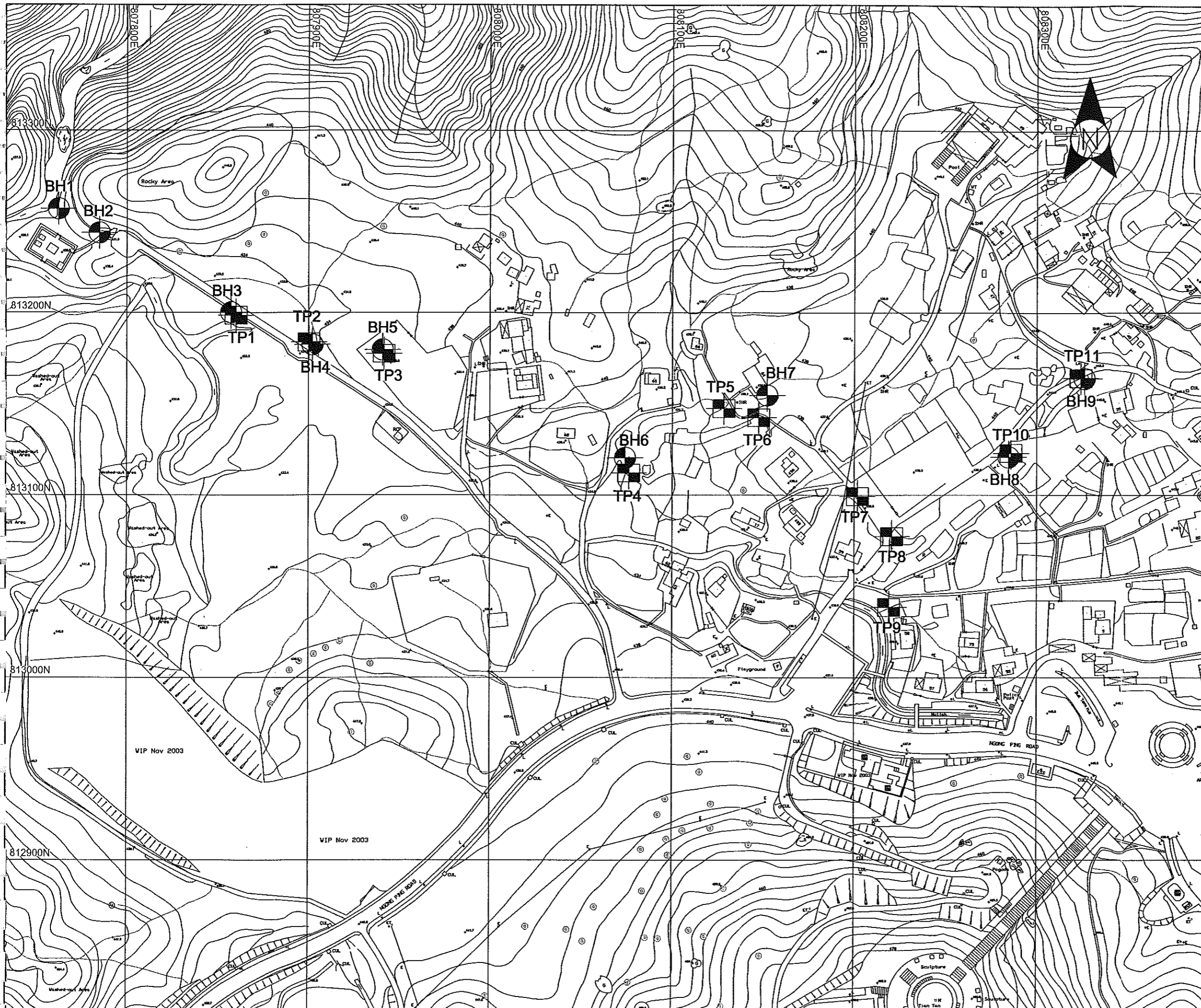
Figure: **2.8b**
 Scale: -
 Rev: **1**

Annex 4

Amendment to Section 5.8.3.3 of the EIA Report

Construction site run-off may also be generated from the excavated trenches or pits. In this Project, ground investigation (GI) works were conducted between November 2011 and February 2012 to examine the underground conditions including the utilities locations and soil / ground-water conditions. The GI plans are shown in Annex 4a. Field testing for ground-water measurement was also made at 11 drillholes (BH1, BH3, BH4, BH5, BH6, BH7, BH8, BH9, BH11, BH12 and BH14) along the drainage alignment and only 4 (BH4, BH7, BH9 and BH14) out of the 11 drillholes were identified with ground water (at a depth ranging from approximate 4m to 12m below ground level). Thus, infiltration of ground water to the pits/trenches will not be substantial. On the other hand, the underground pipe jacking works which are to be aligned at about 4m - 6m below ground level, involve only the construction of diameters 1.5m and 1.8m concrete pipes where the ground water (even if presence) can easily flow along the surface of the pipes owing to the small pipe size and will not be cut-off. Therefore, the proposed pipe jacking works will not alter the water table and the hydrology in the vicinity. As regard the site run-off from the pits / trenches, it is likely to be generated in the wet season during periods of rain and during watering of the excavation works and surrounding area to suppress dust generation. Despite that the infiltration of ground water to the pits / trenches during construction would not be substantial based on the GI findings, mitigation and protective measures have also been proposed to limit the associated environmental impacts arising from the construction site run-off. The adoption of trenchless method with only the construction of small pits of 4m x 8m as well as the sectional works of about 40m for each cut-and-cover trench could minimize the amount of contaminated runoff generated. Specific mitigation measures have also been recommended in **Section 5.8.8** to reduce the risk of contaminated site-runoff from polluting the existing watercourses to an acceptable level.

Annex 4a Ground Investigation Plan



LEGEND:

- ▣ Trial Pit
- ⊙ Drillhole



JOB REF: 09 0461 03

DATE: 16-Feb-2012

PROJECT:
4163CD - Drainage Improvement Works at Ngong Ping, Lantau

WORKS ORDER NO.:
GE/2010/01.34

TITLE:
Ground Investigation Plan

SCALE: 1:2000

CLIENT: CEDD-GEO

FIGURE: 1

Annex 4a Ground Investigation Plan



LEGEND:	
	Trial Pit
	Drillhole
FUGRO GEOTECHNICAL SERVICES LTD	
JOB REF:	09 0461 03
DATE:	16-Feb-2012
PROJECT:	4163CD - Drainage Improvement Works at Ngong Ping, Lantau
WORKS ORDER NO.:	GE/2010/01.34
TITLE:	Ground Investigation Plan
SCALE:	1:2000
CLIENT:	CEDD-GEO
FIGURE:	2

Annex 5

Amendment to Section 6.9.1.7 of the EIA Report

The Project involves the construction of underground stormwater system mainly aligning along the existing access road. Permanent habitat loss is, therefore, considered not significant and confined to several locations at the intakes, outfalls and manholes of the drainage system. There will also be an additional temporary loss resulting from the construction of site office, works areas, stockpiling area as well as the excavation of trenches and pits along the proposed alignment. As shown in **Figures 2.6a-2.6d** detailing the drainage alignment, formation of haulage road for the project during construction that would require the clearance of sensitive habitats is not required, with construction vehicles either using the existing roads or undertaking movements within the confines of the designated works area and stockpiling area only. For instance, for the stockpiling area SA3, vehicles will move around within the stockpiling area and the temporary areas will not be permanently occupied and would be re-instated once the construction works have been completed. Selected areas may also be used for compensatory tree planting if deemed suitable.

Annex 6

Amendment to Section 1.4.1.2 of the EIA Report

Drainage Services Department has undertaken consultation with the local residents, Po Lin Monastery representatives, Ngong Ping 360 and Green Groups in November 2009 aiming at seeking views and support of stake-holders on the need of the Project and the proposed preliminary drainage scheme for subsequent detailed design and implementation. The stake-holders including the green groups understood the need of the Project to alleviate the flooding concern at Ngong Ping and requested to comment the design scheme developed during the detailed design stage.

Subsequently in 2012, major views were, also, sought from the local villagers and the key issues raised relating to the environmental concerns, together with how these have been addressed in this EIA Report, are detailed below:

1. Affected crops at government land (Stockpiling Area 3): Financial compensation to be arranged with DLO and the area will be reinstated and hydroseeded after the construction works have been completed (**Section 6**).
2. Request to reduce the works area affected: As indicated in **Section 2**, the pipeline alignment and location and size of the works areas, has been carefully reviewed to minimise the areas affected.
3. Request to avoid works at night time: While any night-time works would be controlled under the Noise Control Ordinance and not covered by this EIA Report, night-time works are not proposed.
4. Request to protect the health of existing trees due to trench excavation: The pipeline alignment and location of the works areas have been located so as to minimize the number of trees to be affected. Also, in situations where trees are close to the alignment, an approach to retain and protect or prune the trees has been adopted as opposed to felling (see **Section 6.12**).

Following the consultation plan, further meeting with the stake-holders (including the local residents, Po Lin Monastery, Ngong Ping 360 and Green Groups) would be arranged in around mid 2013 to collect views on the details of the proposed drainage scheme at the detailed design stage.