擴建馬鞍山海水配水庫 -

建設馬鞍山三號海水配水庫

工程項目簡介

設計部

水務署

(二零零七年九月)

目錄 頁

1. 基本資料

1.1 工程項目名稱

擴建馬鞍山海水配水庫 - 建設馬鞍山三號海水配水庫

1.2 工程項目目的及性質

本工程項目爲擴建馬鞍山海水配水庫，即建設馬鞍山三號海水配水庫。一個新的海水配水庫將在水務署現有政府撥地範圍內建設，以增加馬鞍山海水配水庫的總容量 1200 立方米。

本工程是擬議提升沙田海水供水系統的部份項目，以應付沙田和鄰近地區的人口增長。除本項工程外，提升沙田海水供水系統項目包括提升沙田海傍海水抽水站及沙田海水增抽水站的抽水系統、在沙田區敷設新水管及重建多石海水配水庫。

1.3 工程項目倡議人

水務署

1.4 工程項目地點、規模及場地歷史

工程項目地點在馬鞍山海水配水庫水務署永久政府撥地範圍內。根據城市規劃委員會馬鞍山分區計劃大綱圖編號 S/MOS/13，本場地置於 “政府、機構或社區” 地帶。工程項目亦位於馬鞍山郊野公園範圍內及在其邊緣。工程項目的位置圖見圖一。圖二展示工程項目的構想圖。

馬鞍山海水配水庫在 1983 年依據郊野公園條例被批准建設。相關文件展示於附錄 A。批核的馬鞍山海水配水庫的位置及平面圖見圖三。在 1985 年水務署預計馬鞍山海水配水庫未來總容量爲 5500 立方米。

不同階段馬鞍山海水配水庫的容量及其運作年份列於如下:

	容量 (立方米)	運作年份
第一階段 (馬鞍山海水配水庫)	3350	1994
第二階段 (馬鞍山二號海水配水庫)	1400	2002
第三階段 (馬鞍山三號海水配水庫)	1200	2011

馬鞍山三號海水配水庫，即馬鞍山海水配水庫的第三階段發展，爲一個 19.9 米闊21.3米長及容量1200立方米的新配水庫。馬鞍山海水配水庫將來總容量爲5950立方米。

現在的馬鞍山三號海水配水庫擬建設計是因應地埋的限制而設定的 (一條溪間位於現有海水配水庫的北面)，在馬鞍山二號海水配水庫旁，作爲海水配水庫的擴展。現在的設計偏離在 1983 年依據郊野公園條例批核的原有設計。因此，我們在七月從郊野公園及海岸公園管理局得到一份原則上不反對這工程項目的備忘錄。不反對工程項目的備忘錄見附錄 B。

1.5 工程項目簡介涵蓋的指定工程數目及種類

馬鞍山海水配水庫位於馬鞍山郊野公園範圍內，並在 1983 年依據郊野公園條例獲批准建設。根據環境影響評估條例附表 2 第 I 部項目 Q.1，馬鞍山海水配水庫工程項目被列爲指定工程項目，但依據環境影響評估條例第 9(2)條所述因而獲豁免。

擴建馬鞍山海水配水庫的設計偏離在 1983 年獲批核的原有設計。馬鞍山三號海水配水庫的位置稍移進一片現有木林及工程項目需要砍伐樹木。因此，擴展工程對獲豁免的指定工程項目構成實質改變，工程項目需申請<環保許可證>作施工及運作。

1.6 聯絡人姓名及電話號碼

周慶餘先生，高級工程師/設計(3)，水務署
電話號碼. 2829 4471
傳真號碼. 2824 0578

鍾漢威先生，工程師/設計(13)，水務署
電話號碼. 2829 4476
傳真號碼. 2824 0578

2. 工程項目規劃及實施大綱

2.1 各部門的責任

水務署是工程項目的建議者，全面負責工程項目的策計劃、設計、建設和操作。水務署內部職員會負責工程項目的設計及監督工程項的施工。水務署隨後會聘請承建商執行工程項目。

2.2 工程項目時間表

建設馬鞍山三號海水配水庫的目標日如下:

定下最終工程設計及招標	2007 年 11 月
開始施工	2008 年 2 月
工程竣工	2011 年 2 月

2.3 與其他工程的相互影響

建設馬鞍山三號海水配水庫將不會與其它工程有相互影響。

3. 對環境可能造成的影響

3.1 序言

建設馬鞍山三號海水配水庫項目包含建設一個容量 1200 立方米新海水配水庫和其附屬構築物及相輔土隄、管道和排水工程。

3.2 施工階段

3.2.1 空氣質素

工程可能對空氣質素造成的影響包括塵埃滋擾及建築設備和車輛廢氣排放。 透過採用適當的建築設備，影響可以大幅地減低。

3.2.2 噪音

在施工期間，噪音會由建設工作例如地盤平整及澆築混凝土所使用的機動設備而產生。這工程項目不會涉及高噪音建設工作例如撞擊式打樁。透過闡述於本文第 5.1.3 章內的良好的工地作業及噪音管理措施，噪音影響應屬微不足道。本項目只會產生少量額外交通流量。因此，不會造成不良噪音影響。

3.2.3 水質

在施工期間，建築地盤的徑流和排水及地盤工人排出的污水可能對環境水質造成影響。工程對水質造成的影響只是短暫性及輕微，採用良好的工地管理方法和標準管制措施可以緩解水質影響。

3.2.4 廢物

在工程項目施工期間所產生的廢物包括挖掘的物料、建築及拆卸物料和一般垃圾。但是，所產生廢物數量並不多。

3.2.5 視覺外貌及景觀

在建築階段，建築設備和堆放物料及進行中的建設工作可能有礙視覺外貌。不過，此等視覺影響僅屬臨時性和局部性，而且影響輕微。

施工期間，需要在擬建馬鞍山三號海水配水庫工地砍伐樹木。但是，這些景觀影響可透過闡述於本文第 5.1.6 章內的補償性植樹、移植及園林計劃得以緩解。

3.2.6 生態

工程項目工地是在馬鞍山海水配水庫水務署永久政府撥地範圍內的植被。我們曾經數次作實地考察。在考察期間，並無發現任何哺乳類、鳥類、兩棲類及爬蟲類動物。此外，我們並沒有發現任何蝴蝶或蜻蜓。由於在建築地盤傍有行車通路及該址的動物數量十分稀少，工程不足以對動物造成影響。

基於建設馬鞍山三號海水配水庫是一項小規模工程及工程地盤位於郊野公園的邊緣，在施工期間對生態造成的影響只是是微不足道。同時，這項建議工程不會影響高價值生鏡 (位於地勢較高的郊野公園核心地帶)的連繫。

另外，我們在七月從郊野公園及海岸公園管理局得到一份原則上不反對這工程項目的備忘錄。

3.2.7 文化遺產

在擬建設馬鞍山三號海水配水庫工程地盤旁並沒有任何考古文物或遺跡。

3.3 運作階段

3.3.1 空氣質素, 噪音及廢物

配水庫不會產生任何廢氣散發、噪音和廢物。在運作階段，潛在的噪音和廢物問題及對空氣質素造成的影響將會很輕微。因此，我們預計不會對環境造成不良影響。

3.3.2 水質

洗滌配水庫是一項不經常的保養工作。新配水庫不會對現有配水庫的運作造成改變。洗池水會以適當方法處理及排放，以符合<水污染管制條例>。

3.3.3 景觀及視覺外貌

擴建後的景觀將與現址相若。因爲建設馬鞍山三號海水配水庫工程，部份位於該址的樹木將受影響。但上述影響可透過補償性植樹及園林計劃得以緩解。緩解措施之詳情於本文第 5.1.6 章內闡述。

調查共錄得 238 棵樹木在工地範圍內。工地內主要植物物種是耳果相思及南嶺黃檀。其餘在工地內記錄到的植物物種包括臺灣相思、黃槿及血桐，這些都是常見的植物物種。預計 87 棵樹木受工地平整及建設馬鞍山三號海水配水庫工程所影響，當中 59 棵將被移植至沙田污水處理廠作污水處理廠景觀美化之用。建設馬鞍山三號海水配水庫完結後亦會進行綠化工程。受影響樹木之詳細資料及位置見附錄 C。

4. 周圍環境的主要原素

4.1 現存及計劃中感應強的地方及自然環境中的敏感部份

馬鞍山三號海水配水庫位於馬鞍山繞路(公路 T7)傍，並在馬鞍山郊野公園的邊緣。在郊野公園內的木林是主要自然環境。但是，在工地內及其附近之樹木物種爲耳果相思及南嶺黃檀，均爲在香港常見的植物物種。擬項目工地地點遠離馬鞍山郊野公園的郊遊及休憩場地。

最鄰近的住宅敏感受體爲居於新海水配水庫以西北 150 米的錦英苑居民。

另一敏感受體爲位於擬建海水配水庫以西南大約 200 米的一個小村莊，但因地勢而得到阻擋。此外，工程項目工地西面遠眺距離約 250 米的泰伯小學，但同樣因地勢而得到阻擋。

4.2 可能影響擬進行工程地點的環境的主要元素

沒有污染黑點、工業活動、產生噪音的商業行爲、嘈吵或多塵埃露天貯存設施及潛存危險的裝置在附近。

5. 納入設計中的環保措施以及任何其他對環境的影響

5.1 納入設計中的措施

5.1.1 普遍措施

於施工期間，臨時圍板會用作分隔工作。在所有情況下，承建商必需小心地施工避免傷害工地範圍以外的植物。

5.1.2 空氣質素

由於工程規模及範圍有限和敏感受體比較遠離建設工地，塵埃滋擾及建築設備和車輛廢氣排放大多不會對空氣質素造成重大影響。

緩解措施會載明在建設合約內以管制塵埃散逸及令產生的塵埃減至可接受的水平。承建商須遵行<空氣污染管制條例>及其附屬法例(包活建造工程塵埃規例)的有關規定。

5.1.3 噪音

在施工期間，我們將在工地執行<噪音管制條例>訂明的一般噪音緩解措施。並透過採用較安靜的建築方法和設備而減輕施工時的噪音影響。預期工程不會於晚上或夜間進行。

一般而言，良好的工地作業和噪聲管理可大大減輕建設工作對鄰近噪音敏感受體的影響。建設合約內會載明以下措施：

(i) 只有保養良好的機械設備才可在工地運作，於施工期間應定期維修檢機械設備；
(ii) 間歇性使用的機械設備應在不需要使用時關閉或調較至最低運作模式；
(iii) 在施工期內，建築設備應裝有靜音器或滅聲器，並妥爲保養；
(iv) 物料貯存及其它結構物應有效地使用爲隔音屏障，並盡可能作適當的安放，令噪音遠離鄰近噪音敏感受體。
(v) 流動機械設備應盡量遠離鄰近噪音敏感受體。

考慮到建設工地的地形及最近噪音敏感受體的位置 (與工地大約有 150 米的距離)，預期在施工期不會造成不良的噪音影響。

5.1.4 水質

依照這項工程項目的規模，挖泥和填料的數量不大。故此，地盤平整對水質造成的影響並不嚴重。根據<專業人士環保事務諮詢委員會第 PN 1/94 號文件 – 建築工地的排水>所載的良好作業守則實施建設工地排水措施，以避免造成不良環境影響。

5.1.5 廢物

在建設工地採取良好廢物管理作業例如減小、重新使用及遁環再用有關廢物。同時，在地盤就地篩選和分類拆建物料成惰性(公眾填料)及非惰性(拆建廢料)物料，並按照種類運往指定的公眾填土區及堆填區作棄置。依據發展局(工務)最新技術通告的指引，執行運載記錄制度來確保拆建物料棄置在指定的地方。

5.1.6 景觀及視覺外貌

會仔細考慮如何對景觀及視覺外貌的影響及現有樹木的干擾減到最小。配水庫部份將被埋在地下以減低景觀影響。由於需要清除植物及砍伐樹木，我們會在擬建配水庫使用適當的本土品種重新種植植物和樹木。我們已聘請園林顧問負責相關環境美化工程及準備砍伐樹木的提交。

87 棵樹木被鑑定需被移走。然而，在損失的樹木之中，三份之二被認定爲外來樹種。與調查共錄得 238 棵樹木比較，產生的景觀影響並不明顯。另一方面，開展生林 (約 20 米長 x 20 米闊) 至更多自然陽光，有助本地品種植物繁殖成下層林。並透過下文所述的緩解措施，附近的景觀不易受工程項目帶來的轉變而影響。

44 棵新大型標準本地品種樹木、80 棵幼樹和 1500 棵灌木將種植回項目工地作補償種植。基於運作關係，配水庫頂部不能作種植。揀選作補償種植的樹種將以恢復因受樹木砍伐的林地至原貌爲主。另外，以本地品種樹木作補償種植，可使項目工地發展成成熟的樹林。樹木經過一段時間的生長，可使項目範圍融洽回郊野公園。預計經修復的建設工地能與周圍的自然環境協調。因此，工程項目對景觀造成的不良影響只是微不足道。補償種植的詳細資料見附錄 D。

我們將對有價值而適合移植的受影響樹木儘量移植至合適的地方。估計，在 87 棵被鑑定需被移走的樹木之中， 59 棵將移植到沙田污水處理廠，以美化沙田污水處理廠的景觀。樹木之移植地點見附錄 D。渠務署一份原則上贊同這項移植的電子郵件展示於附錄 E。

另外，配水庫將建設於地下，一旦完成，相信對視覺外貌只會造成極輕微的不良影響。由於配水庫頂部稍沉在地下，因而可在該處種植原生灌木，在景觀上形成一個延續的下層林。一個建設於地下的配水庫，只會對現處和附近的整體景觀狀

況及馬鞍山郊野公園產生微不足道的不良影響。

因此，在執行上述之景觀緩解及美化措施後，工程項目不會帶來負面的景觀及視覺外貌影響。建設工地的景觀會依據得到漁農自然護理署同意的園林計劃作回復。

5.2 對環境可能造成影響的持續

上述所識別可能的環境影響只會在建築期間(暫定爲 36 月)發生。 有關影響乃視爲暫時及短期性質的。 由於本項發展所涉及工程的規模較小，預期將不會產生難以解決的問題。隨著良好的工地作業及執行適當的緩解措施，工程所引致的環境影響將可大幅地減少。

我們已適當考慮闡述於本文第 5.1.6 章內的景觀緩解及美化措施及如何令馬鞍山三號海水配水庫與周圍的自然環境協調。預期工程項目不會對環境景觀及視覺造成不良影響。

5.3 公眾咨詢

我們已在詳細設計階段期間就項目咨詢沙田區議會。區議會支持本工程項目。

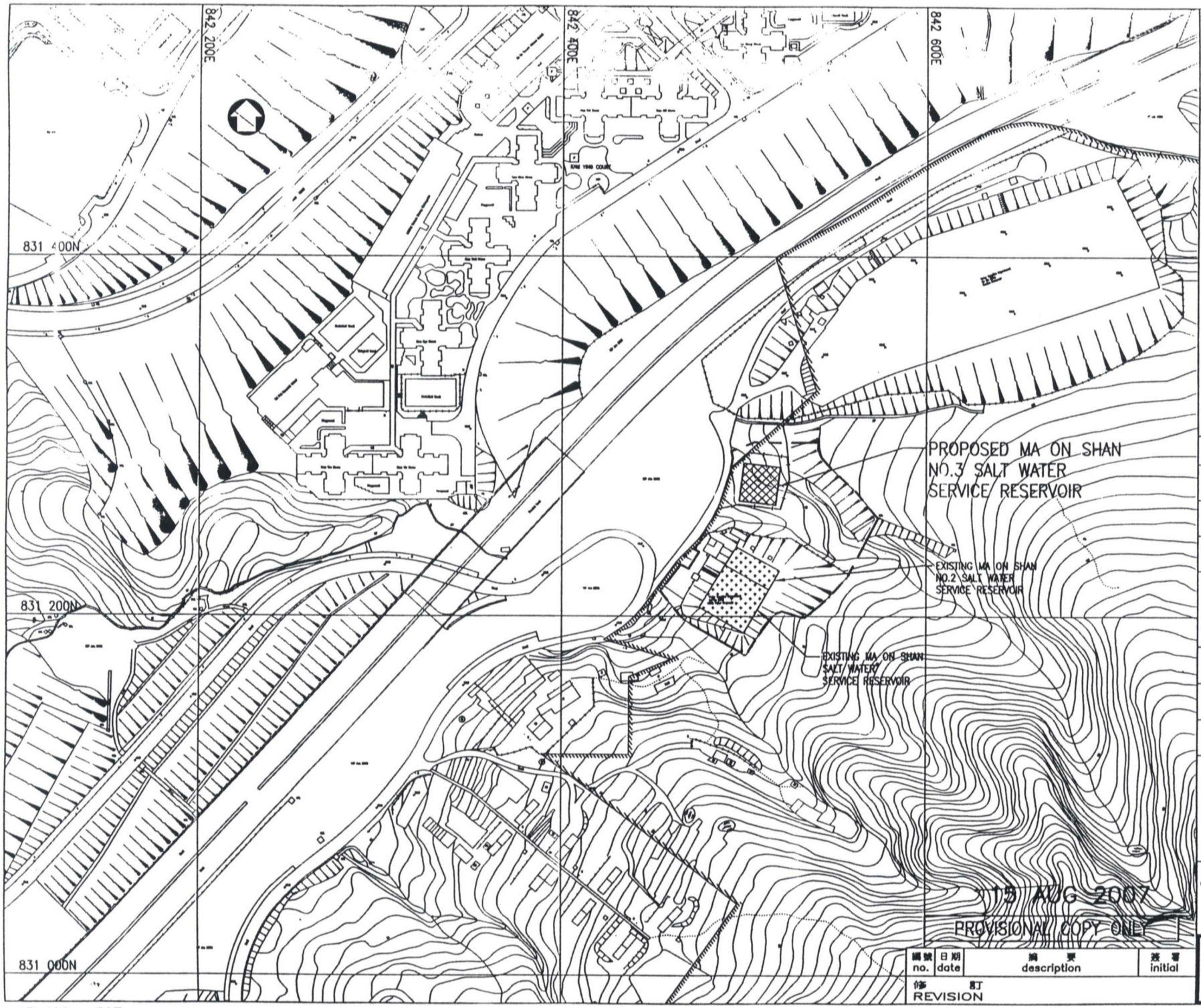
6. 使用先前通過的環評報告

沒有早前批准或遞交的環評報告可適用於本發展項目 。

Figure 1

Project Location Plan

圖一　　工程項目的位置圖



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
3. THE BASE PLAN IS EXTRACTED FROM SURVEY SHEET NOS. 7-NE-19C AND 24A.

LEGEND :

- BOUNDARY OF EXISTING WSD PERMANENT GOVERNMENT LAND ALLOCATION
- BOUNDARY OF MA ON SHAN COUNTRY PARK
- WORK SITE BOUNDARY

簽署 initial		日期 date
繪製 drawn	T. W. TSANG	
核對 checked	–	–
加簽 endorsed	–	–
核准 approved	H. W. CHUNG E/Design(13)	

合約編號 contract no. –

檔案編號 file no. –

工務編號 PWP no. 046 WS

圖則名稱 drawing title

UPRATING OF SHA TIN SALT WATER SUPPLY SYSTEM – MA ON SHAN NO.3 SALT WATER SERVICE RESERVOIR

LOCATION PLAN

圖則編號 drawing no.	比例 scale
SK 20210/28	1 : 2000

15 AUG 2007
PROVISIONAL COPY ONLY

編號 no.	日期 date	摘要 description	簽署 initial
修訂 REVISION			

水務署 Water Supplies Department

A3 420 x 297

Figure 2

Perspective of the Ma On Shan no.3

Salt Water Service Reservoir

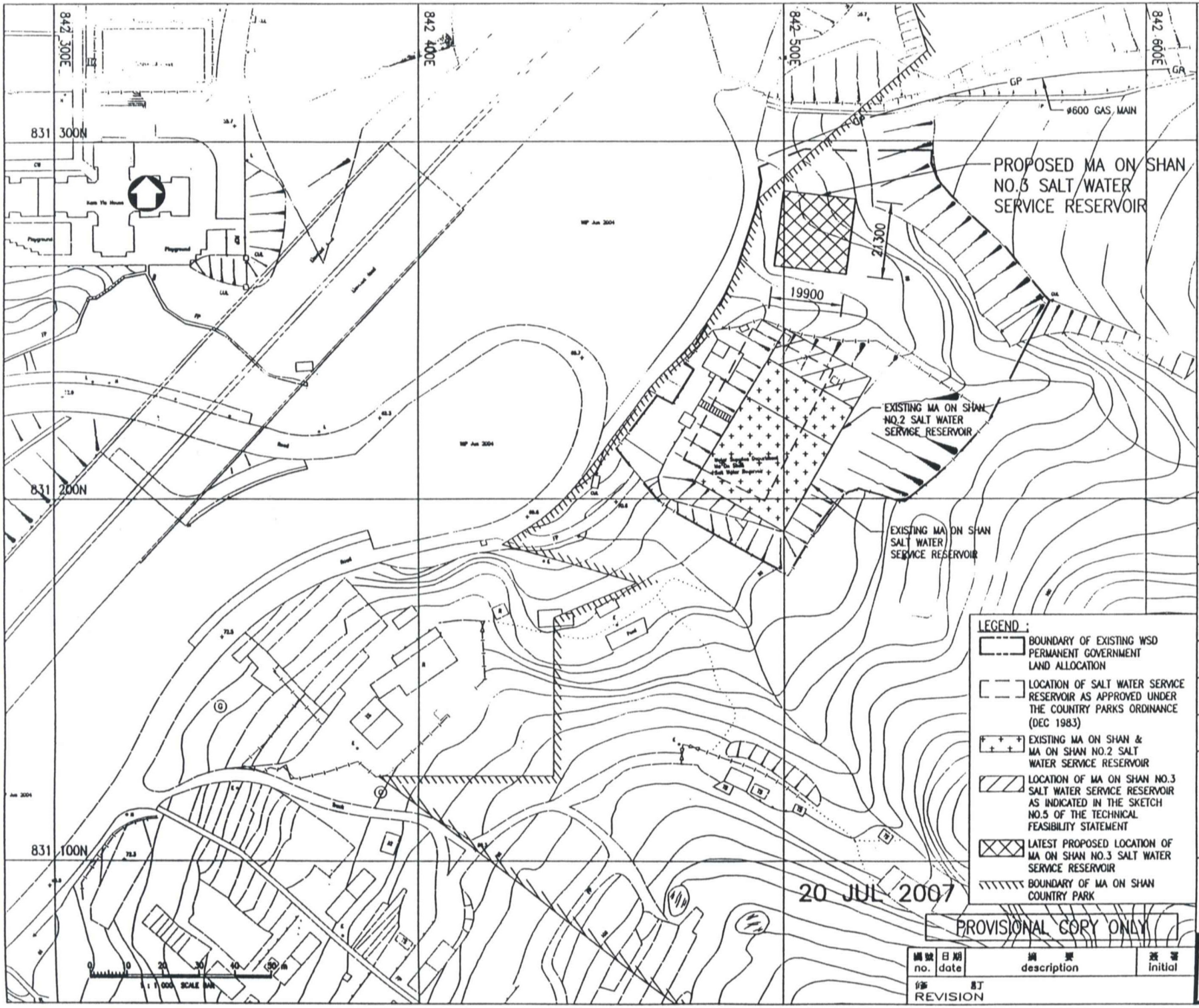
圖二　　工程項目的構想圖

Perspective of the Proposed Ma On Shan no.3 Salt Water Service Reservoir

Figure 3

Approved Location and Layout of
Ma On Shan Salt Water Service Reservoir

圖三　批核的馬鞍山海水配水庫的位置及平面圖



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
3. THE BASE PLAN IS EXTRACTED FROM SURVEY SHEET NOS. 7-NE-19C AND 24A.
4. WITH REFERENCE TO A WSD INTERNAL PLANNING DOCUMENT IN 1980s, THE MA ON SHAN SALT WATER SERVICE RESERVOIR IS PLANNED TO HAVE A CAPACITY OF 5500m³.
5. THE CAPACITY AND YEAR OF COMMISSIONING OF DIFFERENT STAGES OF MA ON SHAN SALT WATER SERVICE RESERVOIR ARE AS FOLLOWS:

	CAPACITY	YEAR OF COMMISSIONING
EXISTING MA ON SHAN S.W. S/R (STAGE I)	3350m³	1994
EXISTING MA ON SHAN NO.2 S.W. S/R (STAGE II)	1400m³	2002
PROPOSED MA ON SHAN NO.3 S.W. S/R (STAGE III)	1200m³	2011

THE FINAL CAPACITY OF MA ON SHAN SALT WATER SERVICE RESERVOIR WILL BE INCREASED SLIGHTLY TO 5950m³ UPON COMPLETION OF THE EXTENSION.

	簽署 initial	日期 date
繪製 drawn	K. M. CHUNG	
核對 checked	–	–
加簽 endorsed	–	–
核准 approved	H. W. CHUNG E/Design(13)	

合約編號 contract no. –

檔案編號 file no. –

工務編號 PWP no. 046 WS

圖則名稱 drawing title
UPRATING OF SHA TIN SALT WATER SUPPLY SYSTEM – MA ON SHAN NO.3 SALT WATER SERVICE RESERVOIR

DETAILS OF MA ON SHAN SALT WATER SERVICE RESERVOIR

圖則編號 drawing no. SK 20210/14

比例 scale 1 : 1000

編號 no.	日期 date	摘要 description	簽署 initial
修訂 REVISION			

水務署 Water Supplies Department

A3 420 x 297

Appendix A

Approval Memo from
Director of Agriculture and Fisheries (1983)

附錄 A　漁農署署長批核備忘錄(1983)

HONG KONG
COUNTRY PARKS AUTHORITY
香港郊野公園管理局
九龍廣東道三九三號
廣東道政府合署十三樓

Agriculture & Fisheries Department
Canton Road Government Offices
393 Canton Road, 12th Floor
Kowloon, Hong Kong
Cable Address: AGFISH, HONGKONG
Tel. No. 3-688111

All replies must be addressed to
Country Parks Authority
覆函請寄交郊野公園管理局局長

Your Ref.
My Ref.

53

Memo

From : Director of Agriculture and Fisheries

Ref. : (7) in S10 83/83/MOS

Tel. : 3-688111 Ext. 111

To : Chief Engineer/Planning
Water Supplies Department
(Attn.: Mr. H.S. HU)

Your ref. : (49) in WWO 4615/82

Dated : 20.9.1983

Ma On Shan Development
Proposed Waterworks Reserve
for Fresh Water and Flushing Water Reservoirs

Thank you for your memo of (52) 3.11.83.

2. Approval is now given under Section 10 of the Country Parks Ordinance (1976) for the construction of 2 service reservoirs at Wu Kai Sha, Ma On Shan Country Park, as marked on your plan (Plan No. 09689B). This approval is given subject to the attached conditions. (53A)

3. The site, on completion of the construction, will be developed by this Department for recreational use.

(J.M. Riddell-Swan)
Director of Agriculture and Fisheries
Country Parks Authority

Encl.

c.c. District Lands Office, Shatin
SFO(C)
FO(MDS)

DEC 6 12 14 PM '83

JMRS/AT/mf

Application for approval under
Section 10 of the Country Parks
Ordinance (Cap. 208)

Ma On Shan Development
Proposed Waterworks Reserve
for Fresh Water and Flushing Water Reservoirs

Conditions :

1. All works and operations permitted under this approval shall be confined to the site area specified on the application plan (Plan No. 09689B).

2. The Country Parks Authority shall be notified of the commencement of working. You are advised to contact Mr. C.W. Chan, Field Officer of Ma On Shan Country Park, at telephone 3-2813823.

3. The design of the proposed reservoirs shall be submitted to the Country Parks Authority for approval prior to the commencement of development and shall be implemented to the satisfaction of the Authority. The design of the reservoirs shall allow the site for recreational use on completion of the construction. A pedestrian access to the site shall be included.

4. The Flushing Water Reservoir shall be covered for recreational use (subject to the approval of funds).

5. A comprehensive plan for the landscaping of the site, shall be submitted to the Country Parks Authority for approval prior to the commencement of development. The approved plan shall be implemented, to the satisfaction of the Country Parks Authority, not later than the end of the first planting season following the completion of building development, and the plants shall be maintained and replanted as necessary for a period of at least two years from first planting.

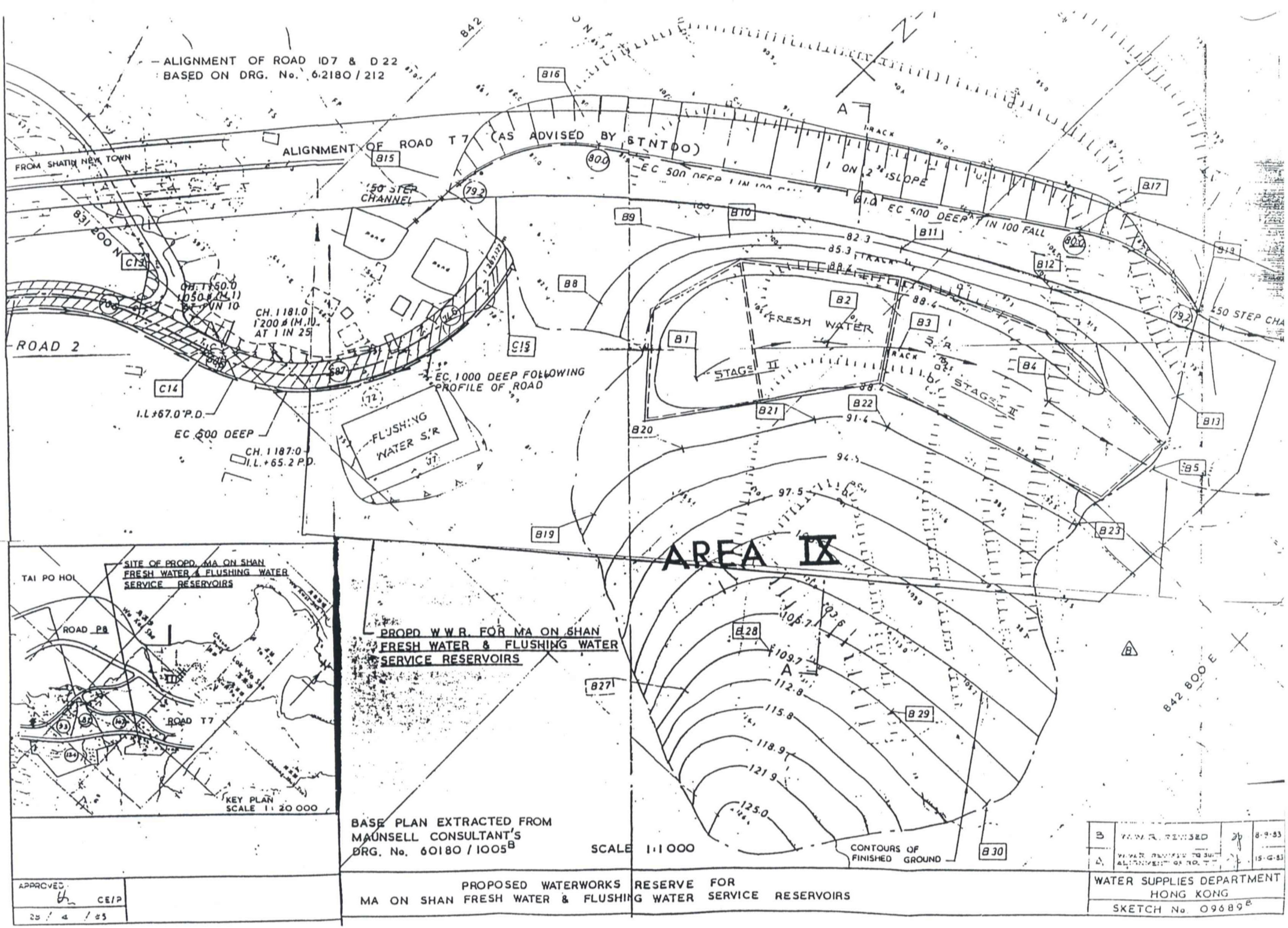
6. No new road, track or footpath shall be made within the Country Park or existing road, track or footpath be improved, without the written consent of the Country Parks Authority.

7. No working shall take place on Sundays or Public Holidays without the specific written permission of the Country Parks Authority.

8. Unless agreed in writing by the Country Parks Authority no fires or stoves shall be used within the Country Parks; and all necessary precautions shall be taken to prevent fire.

9. A copy of this approval letter shall be produced for inspection on site when requested by staff of the Country Parks Authority.

Country Parks Authority


ALIGNMENT OF ROAD ID7 & D22
BASED ON DRG. No. 6.2180 / 212
ALIGNMENT OF ROAD T7 (AS ADVISED BY STNTDO)
FROM SHATIN NEW TOWN
50 STEP CHANNEL
EC 500 DEEP 1 IN 100
1 ON 2 SLOPE
EC 500 DEEP 1 IN 100 FALL
ROAD 2
CH. 1150.0
1050ø (M.I.)
AT 1 IN 10
CH. 1181.0
1200ø (M.I.)
AT 1 IN 25
EC. 1000 DEEP FOLLOWING PROFILE OF ROAD
I.L. +67.0 P.D.
EC 500 DEEP
CH. 1187.0
I.L. +65.2 P.D.
FLUSHING WATER S.R.
FRESH WATER
STAGE II
STAGE III
AREA IX
PROPD W.W.R. FOR MA ON SHAN FRESH WATER & FLUSHING WATER SERVICE RESERVOIRS
SITE OF PROPD. MA ON SHAN FRESH WATER & FLUSHING WATER SERVICE RESERVOIRS
TAI PO HOI
ROAD P8
ROAD T7
KEY PLAN SCALE 1:20 000
BASE PLAN EXTRACTED FROM MAUNSELL CONSULTANT'S DRG. No. 60180 / 1005B
SCALE 1:1000
CONTOURS OF FINISHED GROUND
842 800 E
APPROVED
CE/P
25 / 4 / 83
PROPOSED WATERWORKS RESERVE FOR MA ON SHAN FRESH WATER & FLUSHING WATER SERVICE RESERVOIRS
B WORKS REVISED 8-9-83
A WORKS REVISED TO SUIT ALIGNMENT OF RD. T7 15-6-83
WATER SUPPLIES DEPARTMENT
HONG KONG
SKETCH No. 09689B

Appendix B

Memo of no objection from

Director of Agriculture, Fisheries and Conservation

(12 July 2007)

附錄 B　漁農自然護理署署長

不反對工程項目的備忘錄 (27-7-07)

香港政府漁農自然護理署
郊野公園及海岸公園管理局
九龍長沙灣道三零三號
長沙灣政府合署五樓

Country & Marine Parks Authority
Agriculture, Fisheries and Conservation Department
Cheung Sha Wan Government Offices
303 Cheung Sha Wan Road 5th floor
Kowloon, Hong Kong

MEMO

From :	Director of Agriculture, Fisheries and Conservation	*To* :	District Lands Officer/Sha Tin (Attn. Mr. K.Y. LIU)
Ref. :	(2) in AF GR CPDAMOS/46/2007		
Tel. :	2150 6606	*Yr Ref.* :	
Fax :	2311 3731	*Fax* :	2602 4093
Date :	12 July 2007	*Dated* :	

9046WS-Uprating of Sha Tin Salt Water Supply System
Extension of Ma On Shan Salt Water Service Reservoir

I refer to an application dated 22 May & 21 June 2007 from Chief Engineer/Design, Water Supplies Department. A copy is attached.

2. I have no objection in principle to the proposed construction of Ma On Shan No. 3 salt water reservoir inside Ma On Shan Country Park, as shown on the application Plan SK 20210/9A and subject to the conditions attached.

3. Please ensure that the attached conditions are conveyed in full to the applicant when he is informed of the Administration's decision. Please send me a copy of your co-ordinated reply to the applicant.

4. Please contact Dr. Alice TANG at telephone no. 2150 6841 if you have any difficulties.

(Dr WONG Fook-yee)
for Director of Agriculture, Fisheries and Conservation
Country and Marine Parks Authority

Encl.

c.c. CE/Design, WSD (Attn. Mr. Thomas CHUNG) Ref. 15 in WSD 7423/11/10/05 Pt. 2 Fax 2824 0578
EPD (Attn. Mr. T S SO) Ref. 34 in EP 1/ST/MIS-OT/27 Fax 2591 0558
FO/MOS via SFO/C
RI/C

AT/vc

9046WS-Uprating of Sha Tin Salt Water Supply System
Extension of Ma On Shan Salt Water Service Reservoir

Conditions

1. Scale and Extent of Works

All works and operations shall be confined to the site area specified in the application Plan SK 20210/9A. A copy of the approval given by the Government to the proposed works shall be produced on site when requested by Country and Marine Parks Authority Staff.

2. Commencement and Completion of Works

The proposed works shall be completed within 60 months from the date of this letter. The Country and Marine Parks Authority shall be notified of the commencement and completion of works. You are advised to contact Mr. TSANG Chi-pong, Country Park Ranger (Central) at telephone 24272670.

3. Activities Prohibited inside Country Park

The following are prohibited within country parks unless the specific written agreement of the Country and Marine Parks Authority is given:

(i) making or upgrading of roads, tracks or paths;
(ii) closure or blockage of any road, track or path. The Country and Marine Parks Authority reserves the right to have priority use of any such road, track or path at any time;
(iii) erection of permanent signs, notices or advertisements;
(iv) working on Sundays and Public Holidays;
(v) working between the hours of 6 p.m. and 8 a.m.;
(vi) using of vehicles;
(vii) using fire or stove; and
(viii) felling or trimming of trees.

4. Safety inside Country Park

All necessary precautions shall be taken to ensure public safety within the country parks; to prevent fires; and to avoid erosion or the slippage or wash of loose materials within or beyond the limits of the site. Appropriate directional and warning signs should be installed and maintained at strategic points as agreed and requested by the Country and Marine Parks Authority. Excavated area shall be properly covered when no work is in progress.

5. Reinstatement

On the completion of the proposed works, or phased completion of part of the proposed works, all site area(s) shall be properly reinstated to the original condition; any erosion and damage to roads, tracks, paths or country parks facilities shall be made good, all at the applicant's expense and without delay and the site(s) shall be left clean and tidy, to the satisfaction of the Country and Marine Parks Authority.

6. Restrictions on Access and Works for Fire Protection and Other Emergencies

The Country and Marine Parks Authority reserves the right to temporarily suspend the works and to impose restrictions on access and development work for fire protection or other emergencies.

7. Special Condition

(i) Tree felling/removal for the proposed construction shall be kept to the absolute minimum and with full justifications. The tree felling/removal proposal attached to the application shall be revised to include justification for felling/transplanting individual trees and reduce the extent of tree disturbance where applicable.

(ii) Compensatory replanting scheme to the satisfaction of the Country and Marine Parks Authority shall be implemented after the construction of the proposed reservoir.

8. Validity

Notwithstanding the conditions above, all the proposed works and reinstatement shall be completed by the end of June 2013.

9. Maintenance

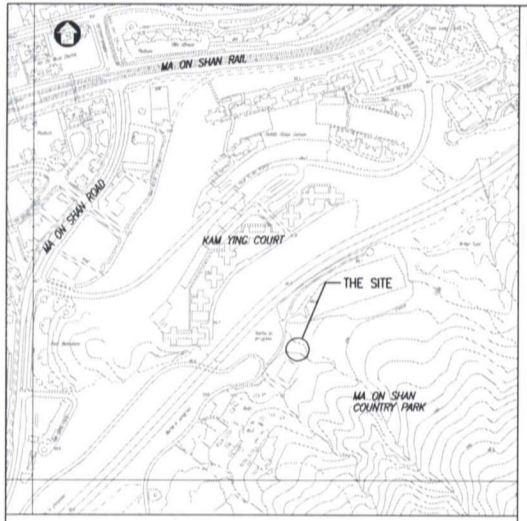
The applicant shall be responsible for the maintenance of all the approved works to the satisfaction of the Country and Marine Parks Authority.

Country and Marine Parks Authority
July 2007

Appendix C

Information and Details of the Trees to be Affected

附錄 C　受影響樹木之詳細資料及位置



KEY PLAN

SCALE : NTS

WIP OCT 2005

MA ON SHAN COUNTRY PARK

ACCESS ROAD

TO MA ON SHAN

EXISTING MA ON SHAN & MA ON SHAN NO.2 S.W. S/R

NOTES:

LEGEND :

- WORKS BOUNDARY
- EXTEND OF SITE FORMATION AREA
- T68(R) — EXISTING TREE TO BE RETAINED
- T70(T) — EXISTING TREE TO BE TRANSPLANTED
- T69(F) — EXISTING TREE TO BE FELLED
- T7(D) — EXISTING DEAD TREE TO BE REMOVED

no.	date	description	initial
A	10/09/07	REVISED FORMATION	

	簽署 initial	日期 date
繪製 drawn		
核對 checked	–	–
加簽 endorsed	–	–
核准 approved	H. W. CHUNG E/Design(13)	

合約編號 contract no. –

檔案編號 file no. –

工務編號 PWP no. 046 WS

圖則名稱 drawing title

TREE SURVEY PLAN

圖則編號 drawing no.	比例 scale
WSD4/MOS/TS/01	1:400

水務署 Water Supplies Department

TREE NO.	PHOTO NO.	BOTANICAL NAME	CHINENSE NAME	LEVEL (mpd)	SIZE (M)			FORM (Poor/Fair/Good)	HEALTH & CONDITION (Poor/Fair/Good)	AMENITY VALUE (Low/Med/High)	SURVIVAL RATE AFTER TRANSPLANTING (Low/Med/High)	RECOMMENDATION	JUSTIFICATION	REMARKS
					Height	Diameter	Spread							
T1	1	*Acacia auriculiformis*	耳果相思	75.0	6	0.15	3	Fair	Fair	Med	Low	Retain		Climber growing on tree.
T2	2	*Acacia auriculiformis*	耳果相思	75.4	7	0.13	4	Fair	Fair	Low	Low	Retain		Climber growing on tree.
T3	3	*Acacia auriculiformis*	耳果相思	75.6	6	0.10	2	Fair	Fair	Med	Low	Retain		Leaning trunk with unbalanced crown, climber growing on tree
T4	4	*Acacia auriculiformis*	耳果相思	75.7	7	0.14	2	Fair	Fair	Med	Low	Retain		Bending trunk
T5	5	*Acacia auriculiformis*	耳果相思	75.7	9	0.15	3	Fair	Fair	Med	Low	Retain		Broken branch observed
T6	6	*Acacia auriculiformis*	耳果相思	75.5	7	0.10	2	Fair	Fair	Med	Low	Retain		Leaning trunk, climber growing on tree
T7	7	Dead Tree	死樹	75.7	3	0.12	1	-	-	-	-	Remove		Remove Dead Tree
T8	8,9	*Acacia auriculiformis*	耳果相思	75.9	9	0.14	3	Fair	Fair	Med	Low	Retain		Climber growing on tree
T9	10	*Acacia auriculiformis*	耳果相思	76.6	3	0.11	5	Poor	Fair	Low	Low	Fell	Affected by site formation works	Bending trunk with unbalanced crown
T10	11	*Acacia auriculiformis*	耳果相思	76.6	7	0.14	4	Poor	Fair	Low	Low	Fell	Affected by site formation & drainage channel construction works	Bending trunk with unbalanced crown
T11	12	*Acacia auriculiformis*	耳果相思	76.4	7	0.12	3	Fair	Fair	Low	Low	Retain		
T12	13	*Acacia auriculiformis*	耳果相思	76.9	7	0.13	3	Fair	Fair	Low	Low	Retain		Climber growing on tree
T13	14	*Macaranga tanarius*	血桐	77.7	5	0.11	4	Fair	Good	Low	High	Fell	Affected by site formation works	
T14	15	*Dalbergia balansae*	南嶺黃檀	78.7	7	0.20	5	Poor	Fair	Low	Med	Retain		Unbalanced crown
T15	16	*Macaranga tanarius*	血桐	78.9	5	0.23	5	Fair	Fair	Low	High	Retain		Leaning trunk
T16	17	*Dalbergia balansae*	南嶺黃檀	78.4	3	0.10	4	Poor	Fair	Low	Med	Retain		Bending trunk and unbalanced crown
T17	18	*Hibiscus tiliaceus*	黃槿	79.1	5	0.18	4	Poor	Fair	Low	High	Retain		Leaning trunk and unbalanced crown
T17A	20	*Dalbergia balansae*	南嶺黃檀	79.1	7	0.11	3	Fair	Fair	Med	Med	Retain		Cavity found on trunk with die back branch
T18	19	*Dalbergia balansae*	南嶺黃檀	79.7	11	0.47	8	Fair	Good	Med	High	Fell	Affected by site formation and const. of rodding pit works	Tree size limitation, not suitable for transplanting.
T19	21	*Dalbergia balansae*	南嶺黃檀	80.2	5	0.21	4	Fair	Fair	Med	Med	Transplant	Affected by site formation works	Cavity found on trunk
T20	22	*Dalbergia balansae*	南嶺黃檀	80.1	7	0.11	2	Fair	Good	Med	High	Transplant	Affected by site formation works	Bending trunk
T21	23,24	*Hibiscus tiliaceus*	黃槿	80.1	6	0.17	4	Fair	Good	Med	High	Retain		Leaning trunk
T22	25	*Trema tomentosa*	山黃麻	76.3	3	0.11	3	Fair	Fair	Med	Med	Retain		Climber growing through tree
T23	27	*Acacia auriculiformis*	耳果相思	76.7	5	0.10	2	Good	Fair	Low	Low	Retain		Climber growing through tree
T24	26	*Ficus fistulosa*	水同木	75.8	6	0.13	3	Fair	Fair	Med	Med	Retain		Climber growing through tree. Insect infestion on leaves.
T25	28	*Macaranga tanarius*	血桐	74.3	2	0.10	3	Poor	Fair	Low	Med	Retain		Climber growing through tree
T26	31	*Acacia auriculiformis*	耳果相思	77.8	7	0.11	2	Fair	Good	Low	Low	Fell	Affected by site formation & drainage channel const. works	
T27	29	*Acacia auriculiformis*	耳果相思	78.0	6	0.13	3	Fair	Good	Low	Low	Fell	Affected by site formation & manhole const. works	
T28	30	*Acacia auriculiformis*	耳果相思	78.6	7	0.10	2	Fair	Good	Low	Low	Fell	Affected by site formation & manhole const. works	Unbalanced crown
T29	32	*Acacia auriculiformis*	耳果相思	78.6	5	0.10	4	Fair	Good	Low	Low	Fell	Affected by site formation & manhole const. works	Unbalanced crown
T30	33	*Acacia auriculiformis*	耳果相思	78.8	8	0.14	5	Fair	Fair	Med	Low	Fell	Affected by site formation & manhole const. works	Unbalanced crown
T31	35	*Acacia mangium*	大葉相思	79.0	7	0.12	3	Good	Good	Med	Low	Fell	Affected by reservoir const. works	
T32	34	*Hibiscus tiliaceus*	黃槿	79.3	9	0.19	6	Poor	Fair	Low	High	Transplant	Affected by reservoir const. works	Leaning trunk
T33	36	*Dalbergia balansae*	南嶺黃檀	79.6	11	0.24	7	Good	Good	High	High	Transplant	Affected by reservoir const. works	
T34	37	*Hibiscus tiliaceus*	黃槿	79.6	7	0.16	5	Fair	Good	Med	High	Transplant	Affected by reservoir const. works	Bending trunk
T35	40	*Dalbergia balansae*	南嶺黃檀	79.8	9	0.14	3	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Die back banch observed, unbalanced crown
T36	38	*Hibiscus tiliaceus*	黃槿	79.9	8	0.16	4	Fair	Fair	Med	High	Transplant	Affected by reservoir const. works	Leaning trunk
T37	39	*Dalbergia balansae*	南嶺黃檀	79.9	9	0.14	5	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	
T38	41	*Hibiscus tiliaceus*	黃槿	79.8	6	0.13	4	Fair	Good	Med	High	Transplant	Affected by reservoir const. works	
T39	42	*Dalbergia balansae*	南嶺黃檀	80.1	6	0.14	2	Fair	Good	Med	High	Transplant	Affected by reservoir const. works	Bending trunk
T40	43	*Hibiscus tiliaceus*	黃槿	79.6	5	0.10	3	Fair	Fair	Med	High	Transplant	Affected by reservoir const. works	
T41	44	*Dalbergia balansae*	南嶺黃檀	80.5	8	0.14	7	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Multi-trunk
T42	45	*Acacia auriculiformis*	耳果相思	80.6	11	0.19	7	Fair	Fair	Med	Low	Fell	Affected by reservoir const. works	Leaning trunk, die-back branch observed
T43	46	*Dalbergia balansae*	南嶺黃檀	80.7	4	0.10	2	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Bark damage observed, unbalanced crown
T44	47	*Dalbergia balansae*	南嶺黃檀	80.4	11	0.17	4	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Cavity found on trunk. Leaning trunk
T45	49	*Dalbergia balansae*	南嶺黃檀	80.7	13	0.18	5	Fair	Poor	Med	Low	Fell	Affected by reservoir const. works	With disease, die-back branch observed.
T46	48,50	*Dalbergia balansae*	南嶺黃檀	80.8	9	0.19	7	Good	Poor	Low	Low	Fell	Affected by site formation works	With disease. Cavity found on one branch.
T47	51	*Dalbergia balansae*	南嶺黃檀	80.6	9	0.18	6	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Bark damage
T48	52	*Dalbergia balansae*	南嶺黃檀	80.4	5	0.10	2	Fair	Fair	Med	Med	Transplant	Affected by site formation works	Unbalanced crown
T49	53,54,55	*Dalbergia balansae*	南嶺黃檀	80.2	7	0.19	4	Fair	Poor	Med	Low	Retain		Cavity found on trunk
T50	56	*Macaranga tanarius*	血桐	80.6	7	0.12	5	Fair	Good	Low	High	Retain		
T51	57	*Macaranga tanarius*	血桐	80.4	6	0.21	7	Fair	Fair	Med	High	Retain		Die-back branch observed
T52	59	*Dalbergia balansae*	南嶺黃檀	80.3	6	0.18	3	Fair	Fair	Med	Med	Retain		With disease and cavity found on trunk
T53	58	*Dalbergia balansae*	南嶺黃檀	80.3	6	0.16	5	Fair	Poor	Med	Low	Retain		With disease and cavity found on trunk
T54	60	*Dalbergia balansae*	南嶺黃檀	80.3	5	0.20	4	Fair	Poor	Med	Low	Retain		With disease. Bending trunk and unbalanced crown.
T55	61	*Vernicia montana*	木油桐	80.3	13	0.38	7	Good	Good	High	High	Retain		
T56	63	*Dalbergia balansae*	南嶺黃檀	80.4	7	0.16	4	Fair	Fair	Med	Med	Retain		Cavity found on trunk
T57	62	*Acacia auriculiformis*	耳果相思	80.5	16	0.29	7	Good	Fair	High	Low	Retain		With disease and die-back branch
T58	64	*Dalbergia balansae*	南嶺黃檀	80.9	6	0.11	4	Fair	Poor	Med	Low	Retain		Bending trunk
T59	66	*Acacia auriculiformis*	耳果相思	80.9	13	0.22	4	Good	Fair	Med	Low	Retain		With disease

TREE NO.	PHOTO NO.	BOTANICAL NAME	CHINENSE NAME	LEVEL (mpd)	SIZE (M)			FORM (Poor/Fair/Good)	HEALTH & CONDITION (Poor/Fair/Good)	AMENITY VALUE (Low/Med/High)	SURVIVAL RATE AFTER TRANSPLANTING (Low/Med/High)	RECOMMENDATION	JUSTIFICATION	REMARKS
					Height	Diameter	Spread							
T60	66	*Acacia auriculiformis*	耳果相思	80.9	16	0.22	8	Fair	Good	Med	Low	Retain		
T61	67	*Acacia auriculiformis*	耳果相思	80.9	11	0.22	4	Fair	Fair	Med	Low	Retain		Bending trunk with unbalance crown. Die-back branch observed
T62	67	*Acacia auriculiformis*	耳果相思	83.4	17	0.24	8	Fair	Good	Med	Low	Retain		Bending trunk
T63	68	*Vernicia montana*	木油桐	80.6	14	0.25	5	Good	Good	High	Med	Retain		
T64	69	*Dalbergia balansae*	南嶺黃檀	80.4	13	0.25	6	Good	Fair	Med	Med	Retain		Die-back branch observed
T65	65	*Dalbergia balansae*	南嶺黃檀	81.1	4	0.10	1	Fair	Poor	Med	Low	Retain		Half-trunk die-back.
T66	70	*Dalbergia balansae*	南嶺黃檀	81.3	4	0.11	3	Fair	Good	Med	Med	Retain		Leaning trunk
T67	71	*Dalbergia balansae*	南嶺黃檀	81.3	6	0.11	2	Fair	Fair	Med	Med	Retain		Leaning trunk with disease
T68	72	*Bauhinia purpurea*	紅花羊蹄甲	81.4	5	0.10	2	Good	Good	Med	High	Retain		
T69	73	*Acacia auriculiformis*	耳果相思	81.3	16	0.36	5	Good	Fair	Med	Low	Fell	Affected by site formation and const. of rodding pit works	With disease
T70	74	*Dalbergia balansae*	南嶺黃檀	81.3	6	0.15	2	Fair	Fair	Med	Med	Transplant	Affected by site formation and const. of rodding pit works	Die-back branch observed
T71	75	*Dalbergia balansae*	南嶺黃檀	81.3	6	0.13	3	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Unbalanced crown
T72	76	*Dalbergia balansae*	南嶺黃檀	81.2	7	0.12	3	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Unbalanced crown
T73	77	*Acacia auriculiformis*	耳果相思	81.2	9	0.20	6	Good	Fair	Med	Low	Fell	Affected by reservoir const. works	With disease
T74	78	*Dalbergia balansae*	南嶺黃檀	81.3	8	0.20	4	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Bending trunk
T75	80	*Dalbergia balansae*	南嶺黃檀	81.2	7	0.21	5	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Bending trunk. Unbalanced crown
T76	79	*Hibiscus tiliaceus*	黃槿	80.9	6	0.16	4	Fair	Good	Med	High	Transplant	Affected by reservoir const. works	Leaning trunk
T77	82	*Dalbergia balansae*	南嶺黃檀	81.0	7	0.18	3	Fair	Good	High	High	Transplant	Affected by reservoir const. works	Bending trunk
T78	83	*Bauhinia spp.*	洋蹄甲屬植物	80.8	6	0.13	3	Good	Fair	Med	High	Transplant	Affected by reservoir const. works	Die-back branch observed
T79	84,85	*Hibiscus tiliaceus*	黃槿	80.7	5	0.15	3	Fair	Fair	Med	High	Transplant	Affected by reservoir const. works	Leaning trunk
T80	86	*Dalbergia balansae*	南嶺黃檀	80.6	5	0.11	3	Fair	Good	Med	High	Transplant	Affected by reservoir const. works	Leaning trunk
T81	87	*Dalbergia balansae*	南嶺黃檀	80.5	5	0.11	2	Fair	Fair	Med	High	Transplant	Affected by reservoir const. works	
T82	88	*Dalbergia balansae*	南嶺黃檀	80.4	8	0.24	5	Fair	Fair	Med	High	Transplant	Affected by reservoir const. works	Unbalanced crown. Dead stub observed
T83	81	*Hibiscus tiliaceus*	黃槿	79.5	6	0.13	7	Poor	Fair	Low	High	Transplant	Affected by reservoir const. works	Leaning trunk
T84	89	*Macaranga tanarius*	血桐	79.4	5	0.15	3	Fair	Fair	Low	High	Fell	Affected by reservoir const. works	
T85	89	*Macaranga tanarius*	血桐	79.6	6	0.11	3	Fair	Fair	Low	High	Fell	Affected by reservoir const. works	
T86	90	*Macaranga tanarius*	血桐	79.6	6	0.10	2	Fair	Fair	Low	High	Fell	Affected by reservoir const. works	
T87	91	*Macaranga tanarius*	血桐	79.6	6	0.16	5	Fair	Fair	Low	High	Fell	Affected by reservoir const. works	Unbalanced crown
T88	92,93	*Macaranga tanarius*	血桐	79.6	4	0.20	3	Fair	Fair	Med	High	Fell	Affected by reservoir const. works	Twin trunk.
T89	94	*Acacia auriculiformis*	耳果相思	80.0	5	0.14	3	Fair	Fair	Med	Low	Fell	Affected by site formation works	With disease. Bending trunk
T90	95	*Dalbergia balansae*	南嶺黃檀	79.9	4	0.14	2	Fair	Fair	Med	Med	Transplant	Affected by site formation works	With disease
T91	96,97	*Hibiscus tiliaceus*	黃槿	80.6	5	0.11	4	Poor	Fair	Low	Med	Transplant	Affected by site formation & reservoir const. works	Bending trunk
T92	98,99	*Acacia auriculiformis*	耳果相思	80.5	11	0.39	7	Fair	Fair	Med	Low	Fell	Affected by reservoir const. works	Die-back branch observed
T93	101	*Dalbergia balansae*	南嶺黃檀	80.9	11	0.22	5	Good	Fair	Med	High	Transplant	Affected by reservoir const. works	Die-back branch observed
T94	100	*Hibiscus tiliaceus*	黃槿	80.6	3	0.12	4	Good	Good	Med	High	Transplant	Affected by reservoir const. works	
T95	102,103	*Dalbergia balansae*	南嶺黃檀	80.7	6	0.14	5	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	With disease
T96	104	*Dalbergia balansae*	南嶺黃檀	80.9	7	0.12	3	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Unbalanced crown
T97	105	*Acacia auriculiformis*	耳果相思	80.9	14	0.30	6	Good	Good	High	Low	Fell	Affected by reservoir const. works	
T98	107	*Dalbergia balansae*	南嶺黃檀	81.1	5	0.14	5	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Unbalanced crown. Twin-trunk with disease
T99	106	*Bauhinia spp.*	洋蹄甲屬植物	81.0	4	0.11	2	Fair	Fair	Med	High	Transplant	Affected by reservoir const. works	Unbalanced crown.
T100	109	*Dalbergia balansae*	南嶺黃檀	81.3	8	0.12	4	Good	Fair	Med	Med	Transplant	Affected by reservoir const. works	With disease. Bark damage observed
T101	110	*Dalbergia balansae*	南嶺黃檀	81.1	6	0.16	3	Good	Good	High	High	Transplant	Affected by reservoir const. works	
T102	111	*Hibiscus tiliaceus*	黃槿	81.2	6	0.15	4	Fair	Good	Med	High	Transplant	Affected by reservoir const. works	
T103	112	*Dalbergia balansae*	南嶺黃檀	81.3	6	0.18	3	Good	Fair	Med	Med	Transplant	Affected by reservoir const. works	With disease
T104	113,114	*Dalbergia balansae*	南嶺黃檀	81.6	13	0.25	7	Good	Fair	Med	Med	Transplant	Affected by reservoir const. works	Die-back branch observed
T105	115	*Acacia confusa*	臺灣相思	81.7	5	0.10	2	Fair	Fair	Low	Low	Fell	Affected by reservoir const. works	
T106	116,117	*Dalbergia balansae*	南嶺黃檀	81.8	12	0.12	4	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Cavity found on trunk. Leaning trunk
T107	108	*Hibiscus tiliaceus*	黃槿	81.5	5	0.14	4	Fair	Good	Med	High	Transplant	Affected by reservoir const. works	Leaning trunk
T108	119	*Dalbergia balansae*	南嶺黃檀	81.6	13	0.20	6	Fair	Fair	Med	Med	Transplant	Affected by reservoir const. works	Leaning trunk
T109	118	*Dalbergia balansae*	南嶺黃檀	82.1	15	0.11	3	Good	Fair	Med	Med	Transplant	Affected by reservoir const. works	With disease
T110	120	*Acacia auriculiformis*	耳果相思	81.4	16	0.16	2	Fair	Fair	Med	Low	Fell	Affected by site formation works	Leaning trunk and unbalanced crown
T111	121	*Acacia auriculiformis*	耳果相思	81.5	11	0.22	3	Fair	Fair	Med	Low	Fell	Affected by site formation works	Die-back branch observed and leaning trunk
T112	118	*Dalbergia balansae*	南嶺黃檀	81.7	7	0.16	3	Fair	Fair	Med	Med	Transplant	Affected by site formation works	Twin trunk
T113	122,123	*Dalbergia balansae*	南嶺黃檀	81.7	14	0.19	3	Good	Fair	Med	Med	Retain		Roots exposed
T114	125	*Vernicia montana*	木油桐	82.2	12	0.21	3	Good	Good	High	High	Retain		
T115	126	*Acacia auriculiformis*	耳果相思	83.5	11	0.19	7	Fair	Fair	Med	Low	Retain		Die-back branch observed
T116	127	*Acacia auriculiformis*	耳果相思	82.2	16	0.18	4	Good	Good	High	Low	Retain		Twin-trunk
T117	128	*Acacia auriculiformis*	耳果相思	84.9	10	0.21	4	Good	Fair	Med	Low	Retain		Die-back branch observed
T118	130	*Dalbergia balansae*	南嶺黃檀	81.2	5	0.10	2	Fair	Fair	Med	Med	Retain		V-shape branch
T119	124	*Dalbergia balansae*	南嶺黃檀	83.3	8	0.11	2	Poor	Poor	Low	Low	Retain		Broken trunk
T120	129	*Schima superba*	木荷	84.6	7	0.11	2	Good	Good	High	Med	Retain		
T121	132,135	*Schima superba*	木荷	84.6	11	0.10	2	Good	Good	High	Med	Retain		Trunk grow in touch with T122
T122	132,133,135	*Acacia auriculiformis*	耳果相思	84.6	9	0.28	5	Fair	Good	Med	Low	Retain		Leaning trunk
T123	131	*Macaranga tanarius*	血桐	84.3	6	0.10	4	Fair	Good	Low	High	Retain		Leaning trunk
T124	136	*Acacia confusa*	臺灣相思	83.8	15	0.22	4	Fair	Fair	Med	Low	Retain		Die-back branch observed

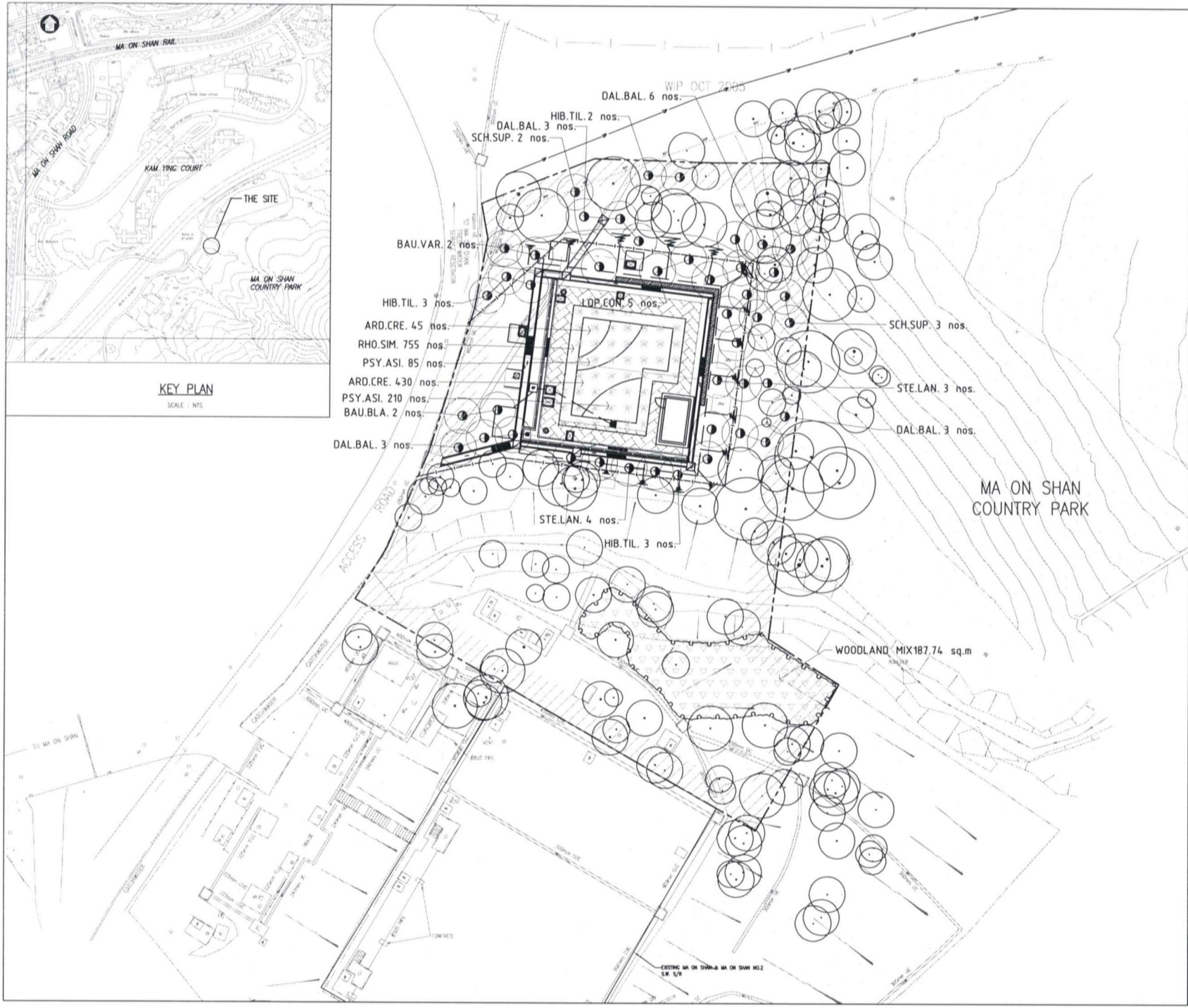
TREE NO.	PHOTO NO.	BOTANICAL NAME	CHINENSE NAME	LEVEL (mpd)	SIZE (M)			FORM (Poor/Fair/Good)	HEALTH & CONDITION (Poor/Fair/Good)	AMENITY VALUE (Low/Med/High)	SURVIVAL RATE AFTER TRANSPLANTING (Low/Med/High)	RECOMMENDATION	JUSTIFICATION	REMARKS
					Height	Diameter	Spread							
T125	134	*Acacia auriculiformis*	耳果相思	80.7	7	0.21	3	Fair	Good	Med	Low	Retain		
T126	137,138	*Acacia auriculiformis*	耳果相思	81.0	10	0.34	5	Good	Fair	Med	Low	Retain		Bark damage observed
T127	139	*Hibiscus tiliaceus*	黃槿	81.0	7	0.15	6	Fair	Good	Med	High	Retain		Leaning trunk
T128	140	*Hibiscus tiliaceus*	黃槿	81.3	4	0.11	3	Good	Good	High	High	Transplant	Affected by site formation works	
T129	141	*Dalbergia balansae*	南嶺黃檀	81.2	9	0.21	6	Fair	Fair	Med	Med	Transplant	Affected by site formation works	With disease
T130	142	*Dalbergia balansae*	南嶺黃檀	81.1	5	0.11	3	Fair	Fair	Med	Med	Transplant	Affected by site formation & manhole const. works	Unbalanced crown
T131	143	*Dalbergia balansae*	南嶺黃檀	82.0	9	0.21	6	Fair	Fair	Med	Med	Retain		With disease
T132	144	*Dalbergia balansae*	南嶺黃檀	81.5	8	0.14	3	Fair	Fair	Med	Med	Transplant	Affected by siter formation works	With disease. Unbalanced crown
T133	147	*Dalbergia balansae*	南嶺黃檀	81.7	10	0.13	2	Fair	Fair	Med	Med	Transplant	Affected by site formation works	Unbalanced crown
T134	148	*Dalbergia balansae*	南嶺黃檀	81.7	11	0.15	6	Fair	Good	Med	Med	Transplant	Affected by site formation works	Unbalanced crown
T135	149	*Acacia auriculiformis*	耳果相思	82.0	15	0.25	6	Good	Fair	Med	Med	Fell	Affected by site formaiton works	With disease
T136	150	*Dalbergia balansae*	南嶺黃檀	82.0	14	0.18	7	Fair	Fair	Med	Med	Transplant	Affected by site formation works	With disease, Unbalanced crown
T137	151	*Dalbergia balansae*	南嶺黃檀	81.7	13	0.16	6	Fair	Good	Med	Med	Transplant	Affected by site formation & rodding pit const. works	
T138	152	*Dalbergia balansae*	南嶺黃檀	82.0	15	0.19	4	Fair	Good	Med	Med	Transplant	Affected by site formaiton works	Unbalanced crown
T139	145	*Acacia auriculiformis*	耳果相思	82.5	5	0.15	3	Fair	Fair	Med	Low	Fell	Affected by reservoir const. works	With disease
T140	146	*Dalbergia balansae*	南嶺黃檀	82.6	13	0.15	2	Fair	Fair	Med	Med	Transplant	Affected by site formation works	Wound on trunk
T141	153	*Acacia confusa*	臺灣相思	85.5	15	0.22	4	Fair	Fair	Med	Low	Retain		Twin-trunk and bending trunk. Die-back branch observed
T142	154	*Schima superba*	木荷	85.2	11	0.19	6	Good	Good	High	Med	Retain		
T143	155	*Schima superba*	木荷	86.1	7	0.11	3	Good	Good	High	Med	Retain		
T144	156	*Acacia confusa*	臺灣相思	87.7	9	0.16	4	Fair	Fair	Med	Low	Retain		Leaning trunk with die-back branch
T145	157	*Acacia confusa*	臺灣相思	87.6	6	0.13	3	Poor	Poor	Low	Low	Retain		Die-back branch and bark damage observed
T146	158	*Lophostemon confertus*	紅膠木	87.6	11	0.23	4	Good	Fair	Med	Low	Retain		With disease
T147	159	*Acacia confusa*	臺灣相思	86.5	6	0.13	3	Fair	Fair	Low	Low	Retain		Die-back branch observed
T148	160	*Acacia confusa*	臺灣相思	85.8	6	0.11	3	Fair	Fair	Low	Low	Retain		Unbalanced crown
T149	161	*Acacia confusa*	臺灣相思	86.2	9	0.17	4	Fair	Fair	Med	Low	Retain		Die-back branch observed
T150	162	*Acacia confusa*	臺灣相思	86.3	9	0.13	3	Fair	Fair	Low	Low	Retain		Three main trunk. Leaning trunk. Die-back branch observed
T151	163	*Casuarina equisetifolia*	木麻黃	86.4	9	0.11	3	Fair	Good	Med	Low	Retain		Unbalanced crown
T152	164	*Acacia confusa*	臺灣相思	86.3	9	0.14	2	Fair	Fair	Med	Low	Retain		Twin-trunk. Leaning trunk with disease
T153	165	*Acacia confusa*	臺灣相思	87.3	12	0.18	4	Fair	Fair	Med	Low	Retain		Bending trunk
T154	166	*Acacia confusa*	臺灣相思	87.2	13	0.16	3	Fair	Fair	Med	Low	Retain		Climber growing on tree. Leaning trunk
T155	168	*Acacia confusa*	臺灣相思	87.3	12	0.18	3	Fair	Fair	Med	Low	Retain		
T156	167,168	*Lophostemon confertus*	紅膠木	86.9	11	0.23	4	Good	Fair	Med	Low	Retain		Bark damage observed
T157	170	*Lophostemon confertus*	紅膠木	86.4	12	0.17	5	Good	Good	High	Low	Retain		
T158	172	*Lophostemon confertus*	紅膠木	85.5	13	0.17	4	Good	Good	High	Low	Retain		
T159	173	*Acacia confusa*	臺灣相思	86.5	9	0.13	2	Fair	Fair	Low	Low	Retain		Leaning trunk
T160	169	*Acacia confusa*	臺灣相思	85.5	6	0.12	4	Fair	Fair	Low	Low	Retain		Unbalanced crown and leaning trunk
T161	172	*Lophostemon confertus*	紅膠木	85.3	13	0.25	5	Good	Fair	Med	Low	Retain		With disease
T162	174	*Lophostemon confertus*	紅膠木	84.7	8	0.19	2	Fair	Fair	Med	Low	Retain		Head being hard pruned
T163	171,175	*Lophostemon confertus*	紅膠木	85.0	11	0.16	3	Good	Fair	Med	Low	Retain		Unbalanced crown and bark damage observed
T164	176	*Lophostemon confertus*	紅膠木	84.1	12	0.19	4	Good	Fair	Med	Low	Retain		Unbalanced crown and bark damage observed
T165	177	*Lophostemon confertus*	紅膠木	85.1	13	0.25	4	Good	Good	High	Low	Retain		
T166	178	*Lophostemon confertus*	紅膠木	85.5	9	0.16	3	Good	Good	High	Low	Retain		
T167	179	*Acacia confusa*	臺灣相思	85.2	8	0.16	4	Fair	Fair	Med	Low	Retain		Multi-trunk. Die-back turnk observed
T168	181	*Acacia confusa*	臺灣相思	83.8	10	0.15	6	Fair	Fair	Med	Low	Retain		Multi-trunk. Die-back turnk observed
T169	182	*Lophostemon confertus*	紅膠木	83.9	12	0.18	3	Good	Fair	Med	Low	Retain		With disease. Die-back branch observed
T170	183	*Acacia confusa*	臺灣相思	84.0	6	0.10	3	Fair	Fair	Low	Low	Retain		Leaning trunk. Bark damage observed
T171	184	*Acacia confusa*	臺灣相思	84.0	12	0.30	8	Fair	Fair	Med	Low	Retain		Leaning turnk with disease
T172	180	*Macaranga tanarius*	血桐	83.0	6	0.13	4	Fair	Good	Low	High	Retain		Leaning trunk
T173	185	*Dalbergia balansae*	南嶺黃檀	83.0	4	0.12	3	Fair	Fair	Med	Med	Retain		Die-back branch observed
T174	186	*Dalbergia balansae*	南嶺黃檀	82.8	16	0.20	5	Good	Good	High	High	Retain		
T175	188	*Dalbergia balansae*	南嶺黃檀	82.6	13	0.24	5	Fair	Fair	Med	Med	Transplant	Affected by site formation works	Unbalanced crown and die-back branch observed
T176	188	*Dalbergia balansae*	南嶺黃檀	82.5	15	0.23	7	Fair	Fair	Med	Med	Transplant	Affected by site formaiton works	Unbalanced crown
T177	187	*Dalbergia balansae*	南嶺黃檀	82.5	11	0.16	6	Fair	Fair	Med	Med	Retain		Leaning trunk
T178	189	*Schima superba*	木荷	82.5	7	0.12	5	Fair	Good	Med	Med	Retain		Leaning trunk
T179	191	*Dalbergia balansae*	南嶺黃檀	82.1	9	0.11	4	Fair	Good	Med	High	Retain		Bending trunk
T180	192	*Dalbergia balansae*	南嶺黃檀	82.3	13	0.18	4	Fair	Good	Med	High	Retain		Unbalanced crown
T181	192	*Schima superba*	木荷	82.4	14	0.12	2	Good	Good	High	Med	Retain		
T182	190	*Acacia auriculiformis*	耳果相思	75.1	7	0.12	4	Fair	Fair	Low	Low	Retain		
T183	190	*Acacia auriculiformis*	耳果相思	75.3	7	0.15	4	Fair	Fair	Med	Low	Retain		
T184	193	*Acacia auriculiformis*	耳果相思	73.2	7	0.16	4	Fair	Fair	Med	Low	Retain		
T185	193	*Acacia auriculiformis*	耳果相思	73.2	7	0.13	3	Fair	Fair	Low	Low	Retain		
T186	194	*Acacia auriculiformis*	耳果相思	76.6	9	0.22	5	Fair	Fair	Med	Low	Retain		Leaning trunk
T187	195	*Acacia auriculiformis*	耳果相思	77.9	7	0.16	4	Fair	Fair	Med	Low	Retain		
T188	196	*Acacia auriculiformis*	耳果相思	77.9	7	0.20	5	Fair	Fair	Med	Low	Retain		
T189	197	*Acacia auriculiformis*	耳果相思	77.3	7	0.13	3	Fair	Fair	Low	Low	Retain		Leaning trunk
T190	198	*Acacia auriculiformis*	耳果相思	77.5	6	0.10	3	Fair	Fair	Low	Low	Retain		

TREE NO.	PHOTO NO.	BOTANICAL NAME	CHINENSE NAME	LEVEL (mpd)	SIZE (M)			FORM (Poor/Fair/Good)	HEALTH & CONDITION (Poor/Fair/Good)	AMENITY VALUE (Low/Med/High)	SURVIVAL RATE AFTER TRANSPLANTING (Low/Med/High)	RECOMMENDATION	JUSTIFICATION	REMARKS
					Height	Diameter	Spread							
T191	198	*Acacia auriculiformis*	耳果相思	77.7	7	0.14	5	Fair	Fair	Med	Low	Retain		
T192	199	*Acacia auriculiformis*	耳果相思	77.5	7	0.24	4	Good	Fair	Med	Low	Retain		
T193	200	*Acacia auriculiformis*	耳果相思	77.7	6	0.20	4	Fair	Good	Med	Low	Retain		
T194	200	*Acacia auriculiformis*	耳果相思	77.6	6	0.13	2	Fair	Fair	Low	Low	Retain		
T195	201	*Acacia auriculiformis*	耳果相思	78.1	7	0.20	4	Fair	Fair	Med	Low	Retain		
T196	202	*Acacia auriculiformis*	耳果相思	78.0	6	0.13	3	Fair	Fair	Low	Low	Retain		
T197	203	*Acacia auriculiformis*	耳果相思	77.8	7	0.17	4	Fair	Fair	Med	Low	Retain		With disease,
T198	204	*Acacia auriculiformis*	耳果相思	78.2	7	0.16	4	Good	Fair	Med	Low	Retain		Damage found on trunk
T199	205	*Acacia auriculiformis*	耳果相思	78.2	8	0.14	4	Fair	Fair	Med	Low	Retain		Unbalnaced crown
T200	206	*Acacia auriculiformis*	耳果相思	78.4	7	0.11	3	Fair	Fair	Low	Low	Retain		
T201	207	*Acacia auriculiformis*	耳果相思	78.4	7	0.11	3	Fair	Fair	Low	Low	Retain		
T202	208	*Acacia auriculiformis*	耳果相思	79.2	8	0.12	5	Fair	Fair	Low	Low	Retain		With disease. Bending trunk
T203	209	*Acacia auriculiformis*	耳果相思	79.9	7	0.10	4	Fair	Fair	Low	Low	Retain		
T204	210	*Acacia auriculiformis*	耳果相思	79.2	7	0.10	3	Fair	Fair	Low	Low	Retain		Unbalanced crown
T205	211	*Acacia auriculiformis*	耳果相思	79.5	8	0.17	4	Fair	Fair	Med	Low	Retain		
T206	212	*Acacia auriculiformis*	耳果相思	79.5	8	0.15	4	Fair	Fair	Med	Low	Retain		
T207	213	*Acacia auriculiformis*	耳果相思	79.1	8	0.15	4	Fair	Fair	Med	Low	Retain		
T208	214	*Acacia auriculiformis*	耳果相思	78.7	7	0.14	4	Fair	Fair	Med	Low	Retain		Leaning trunk
T209	215	*Acacia auriculiformis*	耳果相思	79.0	9	0.13	4	Fair	Fair	Med	Low	Retain		
T210	216	*Acacia auriculiformis*	耳果相思	82.2	8	0.13	4	Fair	Fair	Med	Low	Retain		Unbalanced crown
T211	217,218	*Acacia auriculiformis*	耳果相思	82.6	7	0.11	4	Fair	Fair	Low	Low	Retain		Cavity found on trunk
T212	219	*Acacia auriculiformis*	耳果相思	82.4	7	0.12	4	Fair	Fair	Low	Low	Retain		
T213	220	*Acacia auriculiformis*	耳果相思	82.8	8	0.10	3	Fair	Fair	Low	Low	Retain		Unbalanced crown
T214	221	*Acacia auriculiformis*	耳果相思	82.6	7	0.10	3	Poor	Fair	Low	Low	Retain		Bending trunk and unbalaced crown
T215	222	*Acacia auriculiformis*	耳果相思	82.6	7	0.12	3	Fair	Good	Low	Low	Retain		
T216	223	*Acacia auriculiformis*	耳果相思	81.5	8	0.14	4	Good	Fair	Med	Low	Retain		
T217	224	*Acacia auriculiformis*	耳果相思	81.0	7	0.12	4	Poor	Fair	Low	Low	Retain		Bending trunk and unbalaced crown
T218	225	*Acacia auriculiformis*	耳果相思	82.5	8	0.10	4	Fair	Fair	Low	Low	Retain		Unbalanced crown
T219	226	*Acacia auriculiformis*	耳果相思	81.5	7	0.10	4	Fair	Fair	Low	Low	Retain		
T220	227	*Acacia auriculiformis*	耳果相思	81.3	8	0.15	5	Fair	Good	Med	Low	Retain		
T221	228	*Acacia auriculiformis*	耳果相思	81.0	7	0.14	4	Fair	Fair	Med	Low	Retain		
T222	229	*Acacia auriculiformis*	耳果相思	81.2	5	0.11	4	Fair	Fair	Low	Low	Retain		
T223	230	*Acacia auriculiformis*	耳果相思	81.4	8	0.13	4	Fair	Fair	Med	Low	Retain		With disease, climber growing on tree
T224	231	*Acacia auriculiformis*	耳果相思	80.7	7	0.14	4	Fair	Fair	Med	Low	Retain		with disease
T225	232	*Acacia auriculiformis*	耳果相思	80.5	6	0.11	4	Fair	Fair	Low	Low	Retain		With disease
T226	232	*Acacia auriculiformis*	耳果相思	80.2	6	0.10	3	Fair	Fair	Low	Low	Retain		With disease
T227	233	*Acacia auriculiformis*	耳果相思	80.0	6	0.15	5	Poor	Fair	Med	Low	Retain		Leaning trunk, unbalanced crown
T228	234	*Acacia auriculiformis*	耳果相思	78.7	6	0.12	5	Fair	Fair	Low	Low	Retain		
T229	235	*Acacia auriculiformis*	耳果相思	78.0	6	0.15	3	Good	Good	Med	Low	Retain		
T230	236	*Acacia auriculiformis*	耳果相思	76.9	6	0.14	4	Fair	Fair	Med	Low	Retain		Climber growing through tree
T231	237	*Trema tomentosa*	山黃麻	75.2	5	0.10	4	Fair	Fair	Med	High	Retain		Leaning trunk. Climber growing on tree
T232	239	*Acacia auriculiformis*	耳果相思	76.7	5	0.11	3	Fair	Fair	Low	Low	Retain		Climber growing on tree
T233	241	*Macaranga tanarius*	血桐	76.5	5	0.16	4	Fair	Fair	Low	High	Retain		Climber growing on tree
T234	238	*Macaranga tanarius*	血桐	76.4	5	0.10	4	Fair	Fair	Low	High	Retain		Bending trunk. Climber growing on tree
T235	242	*Macaranga tanarius*	血桐	76.5	6	0.12	4	Fair	Good	Low	High	Retain		Leaning trunk. Climber growing on tree
T236	244	*Macaranga tanarius*	血桐	76.6	6	0.11	4	Fair	Good	Low	High	Retain		Climber growing on tree
T237	240	*Trema tomentosa*	山黃麻	77.2	5	0.15	4	Fair	Fair	Med	Low	Retain		Leaning trunk. Climber growing on tree
T238	243	*Macaranga tanarius*	血桐	78.1	5	0.10	4	Fair	Fair	Low	Low	Retain		Climber growing on tree

Appendix D

Details of Landscape Mitigation Measures

附錄 D　景觀緩解措施之詳細資料



NOTES:

LEGEND :

- WORKS BOUNDARY
- PROPOSED FENCE BOUNDARY
- EXISTING TREE TO BE RETAINED
- PROPOSED HEAVY STANDARD TREES
- PROPOSED WOODLAND MIX PLANTING
- PROPOSED SHRUB PLANTING

no.	date	description	initial
A	10/09/07	REVISED FORMATION	

	簽署 initial	日期 date
繪製 drawn		
核對 checked	–	–
加簽 endorsed	–	–
核准 approved	H. W. CHUNG E/Design(13)	

合約編號 contract no. –

檔案編號 file no. –

工務編號 PWP no. 046 WS

圖則名稱 drawing title

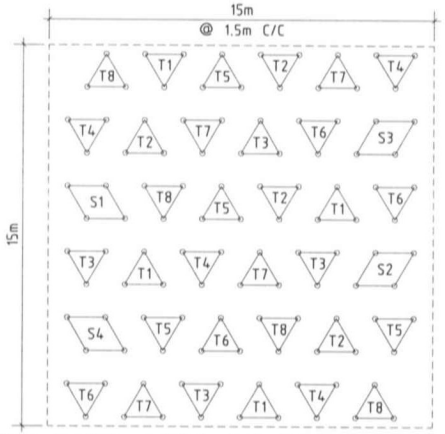
COMPENSATORY PLANTING PLAN

圖則編號 drawing no.	比例 scale
WSD4/MOS/CP/01	1:400

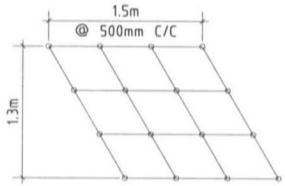
水務署 Water Supplies Department

PLANTING SCHEDULE

Abb.	Scientific Name	Chinese Name	Size (Ht x Sp)mm	Spacing (mm)	Remark	Quantity
Tree						
BAU.BLA.	Bauhinia blakeana	洋紫荊	Heavy Standard	As shown		2
BAU.VAR.	Bauhinia variegata	宮粉羊蹄甲	Heavy Standard	As shown		2
DAL.BAL.	Dalbergia balansae	南嶺黃檀	Heavy Standard	As shown		15
HIB.TIL.	Hibicus tiliaceus	黃槿	Heavy Standard	As shown		8
LOP.CON.	Lophostemon confertus	紅膠木	Heavy Standard	As shown		5
SCH.SUP.	Schima superba	木荷	Heavy Standard	As shown		5
STE.LAN.	Sterculia lanceolata	假蘋婆	Heavy Standard	As shown		7
Shrub						
ARD.CRE.	Ardisia crenata	朱砂根	400 x 300	500		475
PSY.ASI.	Psychotria asiatica	九節	400 x 300	500		295
RHO.SIM.	Rhododendron simsii	紅杜鵑	300 x 200	300		755
Woodland Mix Planting						
Trees (Whip Size)						
T1	Acronychia pedunculata	山油柑	Whip	1500		10
T2	Cyclobalanopsis myrsinaefolia	小葉青岡	Whip	1500		10
T3	Gordonia axillaris	大頭茶	Whip	1500		10
T4	Machilus breviflora	短序潤楠	Whip	1500		10
T5	Michelia figo	含笑	Whip	1500		10
T6	Reevestia thyrsoidea	梭羅樹	Whip	1500		10
T7	Schima superba	木荷	Whip	1500		10
T8	Syzygium hancei	韓氏蒲桃	Whip	1500		10
Shrubs (medium size)						
S1	Gardenia jasminoides	梔子	500 x 300	500		13
S2	Melastoma sanguineum	毛菍	300 x 200	500		13
S3	Raphiolepis indica	車輪梅	500 x 300	500		13
S4	Rhodomyrtus tomentosa	桃金娘	300 x 200	500		13



WOODLAND MIX PLANTING MATRIX
(PLANT SPACING @ 1.5m C/C)



ENLARGED SHRUB
GROUP LAYOUT (TYP.)
(S1-S4)

NOTES:

LEGEND :

T1-T8	TREE SPECIES IN WHIP SIZE (REFER TO PLANT SCHEDULE)
S1-S4	SHRUB SPECIES IN MEDIUM SIZE (REFER TO PLANT SCHEDULE)

no.	date	description	initial
A	10/09/07	REVISED FORMATION	

	簽署 initial	日期 date
繪製 drawn		
核對 checked	–	–
加簽 endorsed	–	–
核准 approved	H. W. CHUNG E/Design(13)	

合約編號 contract no. –

檔案編號 file no. –

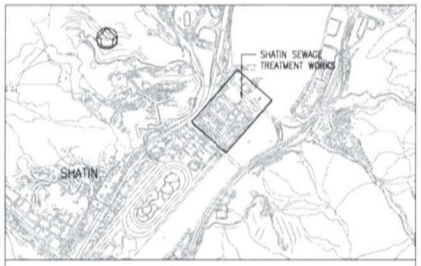
工務編號 PWP no. 046 WS

圖則名稱 drawing title

COMPENSATORY PLANTING SCHEDULE

圖則編號 drawing no.	比例 scale
WSD4/MOS/CP/02	N.T.S.

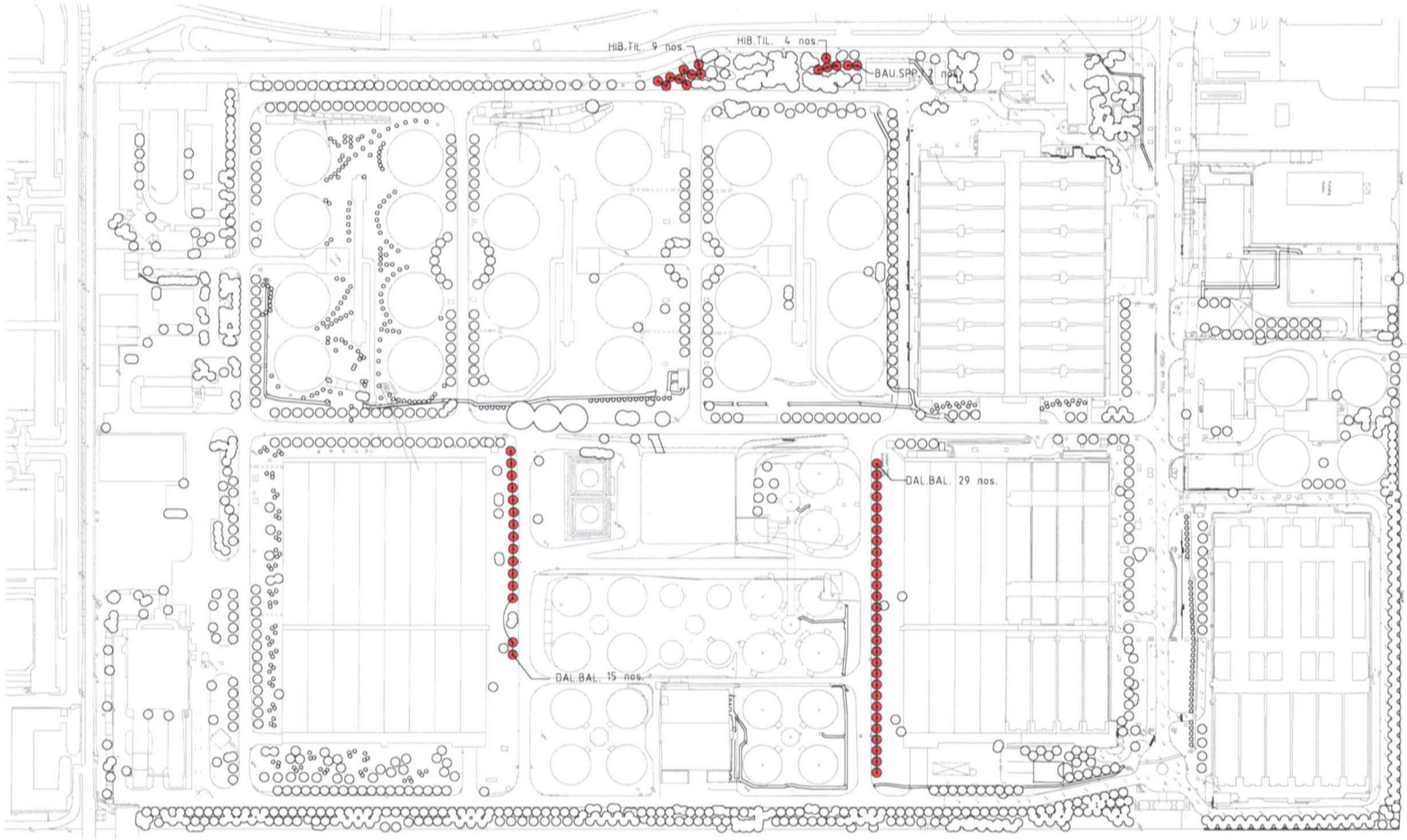
水務署 Water Supplies Department



KEY PLAN SCALE 1:40 000

TRANSPLANTED TREES SCHEDULE

ABB.	SCIENTIFIC NAME	CHINESE NAME	SPACING (MM)	SIZE (MM)	REMARKS	QTY
TREE						
BAU.SPP.	BAUHINIA SPP.	洋紫甲屬植物	As shown	Heavy Std.		2
DAL.BAL.	DALBERGIA BALANSAE	南 獺 黃 檀	As shown	Heavy Std.		44
HIB.TIL.	HIBISCUS TILIACEUS	黃 槿	As shown	Heavy Std.		13



NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2. ALL LEVELS ARE IN METRES ABOVE P.D.H.K.
3. THE LOCATION OF EXISTING TREES ARE INDICATIVE ONLY.
4. THE CONTRACTOR IS REQUIRED TO VERIFY THE SETTING OUT ON SITE AND CONFIRMED WITH THE ENGINEER PRIOR TO COMMENCEMENT ON THE WORKS.

LEGENDS :

- EXISTING TREES
- WSD TRANSPLANTED TREES

no.	date	description	initial
A	30/8/07	GENERAL REVISION	

REVISION

	name	initial	date
designed	Thf		07 AUG 07
drawn	AK		07 AUG 07
checked	Thf		07 AUG 07
endorsed	DK		07 AUG 07
approved			

contract no.

file no.

PWP no. 046 WS

contract

UPRATING OF SHA TIN SALT WATER SUPPLY SYSTEM - MA ON SHAN NO.3 SALT WATER SERVICE RESERVOIR

drawing title

PROPOSED TRANSPLANT TREES RECEPTOR SITE AT SHATIN SEWAGE TREATMENT WORKS

drawing no. WSD4/TW/01

scale 1 : 1000

水 務 署
Water Supplies Department

Appendix E

Agreement e-mail from
Drainage Services Department

附錄 E　渠務署對移植計劃贊同的電子郵件

From: freddietsang@dsd.gov.hk [mailto:freddietsang@dsd.gov.hk]
Sent: Thursday, August 23, 2007 15:27
To: Tuan Huy Tran
Cc: Bonnie Pang; David Morkel; Jan Poon; thomas_hw_chung@wsd.gov.hk; fedrickkan@dsd.gov.hk; kkchoi@dsd.gov.hk; kpip@dsd.gov.hk; wschui@dsd.gov.hk; yklam@dsd.gov.hk; tmyip@dsd.gov.hk; tonychang@dsd.gov.hk; mktsang@dsd.gov.hk; kfwai@dsd.gov.hk; tochan@dsd.gov.hk
Subject: WSD4 - Uprating of Ma On Shan No. 3 Salt Water Service Reservoir - Proposed Receptor Sites for Transplant Trees

Dear Mr. Tran,

Your e-mail of 8.8.2007 refers.

Having considered your responses to our previous queries, our O&M colleagues agree in principle to your proposal of transplanting trees to Shatin STW.

As discussed (Tran/Tsang) today, please provide further details of the tree transplanting such as programme and works arrangement well in advance for comments and agreement by our O&M colleagues. You are also reminded to allow adequate permanent vehicular access when arranging the transplanted trees along PST 9 to AT 9, i.e. (a) at the inlet side of PST 9 with the existing Ferric Chloride Storage Tanks & (b) the area facing to the staircase for accessing to PST and AT No. 9.

Also for your information and planning, three (3) forthcoming contracts involving civil and E&M works in Shatin STW will commence in early 2008. Liaison on works interface will therefore be required.

Regards,

Freddie Tsang
E/S1, Sewerage Projects Division
Drainage Services Department
Tel: 2594 7459
Fax: 2827 8700