

### THE HONG KONG HOUSING AUTHORITY

# Memorandum for Building Committee

Proposed Master Layout Plan,
Scheme Design and Project Development Budget
for the Redevelopment of Un Chau Street Estate Phases 2 and 4

# **PURPOSE**

To seek Member's approval to the proposed Master Layout Plan, Scheme Design and Project Development Budget for the Redevelopment of Un Chau Street Estate (UCSE) Phases 2 and 4.

#### **BACKGROUND**

- 2. UCSE Phases 2 and 4 are parts of the overall UCSE Comprehensive Redevelopment Programme (CRP) that comprises of 4 phases. Phases 1 and 3 were already completed in early 2000. Phase 2 is to be developed for HOS and Phase 4 for public rental housing which is a supplementary reception site for Shek Kip Mei Redevelopment. Phase 4 is a designated NCC site which was released by the Home Affairs Department (HAD) in August 1997 for public housing development on condition that Housing Department (HD) would provide facilities for the elderly and the community.
- 3. Demolition of existing buildings at Phases 2 and 4 is in progress and will be completed by February 2001.

4. Past events relevant to the project are as follows –

Date	Event
10000	

- (a) 19 January 1994 Development Progress Committee approved the Planning Brief for UCSE (Paper No. DPC 10/94 refers).
- (b) 23 February 1995 Client Brief, Control Plan and Project Estimate of all Phases and Scheme Design and Project Budget for Phase 1 approved by BC (Paper No. BC 32/95 refers).
- (c) 23 November 1995 Revised Client Brief, Control Plan and Project Estimate of all Phases and Revised Scheme Design and Project Budget for Phase 1 approved by BC (Paper No. BC 184/95 refers).
- (d) 12 January 2000 Approval of the Development Parameters, Conceptual Layout, and Development Cost Ceiling of Phases 2 and 4 by the Strategic Planning Committee (SPC) (Paper No. SPC 9/2000 refers).
- (e) 3 May 2000 Planning Brief Amendment approved by Tsuen Wan West Kowloon District Planning Conference (DipCon Paper No. 1/2000 refers).
- (f) 21 July 2000 Proposed Master Layout Plan, Scheme Design and Project Development Budget endorsed by PDRC on 21 July 2000. (Paper No. PDRC 22/00 refers).

#### MASTER LAYOUT PLAN AND SCHEME DESIGN

- 5. The proposed Master Layout Plan and Scheme Design at Part I and Part II of the attached Annex follow the endorsed Development Parameters and the Conceptual Layout approved by SPC.
- 6. The proposed development comprises
  - Phase 2: 2 nos. 37-storey and 2 nos. 38-storey New Harmony 1 (Option 4) HOS blocks providing 2400 flats on top of a 2-storey podium carpark providing 600 private car parking spaces and 50 motor-cycle parking spaces.
  - Phase 4: A 17-storey single-aspect Small Households Development (SHD) on top of a 3-storey podium with welfare facilities.
- 7. The main features of the design are
  - (a) Special roof design at both Phases 2 and 4 to add identity to the development.
  - (b) Enlarged bay windows and projecting architectural features to add interest to the gable ends of the Harmony Blocks in Phase 2 and to capture views.
  - (c) A temporary wall inside the existing Phase 3 Commercial Center (CC) at the interface with Phase 4 will be replaced by a glass wall to match the existing atrium glazing. A pedestrian link is also proposed to connect Phase 4's entrance lobbies with the CC.
  - (d) A comprehensive system of covered walkways and canopies will link up all major entrances in Phases 2 & 4 with public transportation and the CC in Phase 3.
  - (e) Landscape design will adopt an 'Urban Oasis' theme thus providing an identity to the external works for this development.

(f) In Phase 2, major open spaces are located adjacent to the covered walkway at ground level and at the podium level where a series of functional areas such as children's play area, fitness station, sitting area, chess table, tai-chi and table tennis are proposed to provide passive and active recreation areas for the residents. In Phase 4, major open space is located at the podium level where sitting area is provided for passive recreation use for the elderly residents.

#### PROJECT DEVELOPMENT BUDGET

8. The proposed Project Development Budget of Un Chau Street Phases 2 and 4 is estimated to be \$1,571.422M. The breakdown of the proposed Project Development Budget is given in Part III of Annex and the key elements are as follows –

	Cost Heads Work Elements		Phase 2	Phase 4	Total
			(\$M)	(\$M)	(\$M)
(a)	Site Development	Site Formation	-	-	-
	Cost	Demolition	10.937	0.942	11.879
		Sub-total:	10.937	0.942	11.879
(b)	<b>Construction Cost</b>	Foundation	192.619	15.407	208.026
		Building	1,009.587	142.517	1,152.104
		Soft Landscape and Others	3.254	0.281	3.535
		Sub-total:	1,205.460	158.205	1,363.665
(c)	Other Project	Civil engineering and	24.328	3.183	27.511
	Costs	geotechnical studies, site			
	[2% on (a) & (b)]	investigation, material			
		testing and the like			
(d)	Total site Developm	ent & Construction costs	1,240.725	162.330	1,403.055
	[(a) + (b) + (c)]:				
(e)	Project	Professional Services and	148.887	19.480	168.367
	Management Cost	Overheads, Consultation			
	[12% on (d)]	Fees and Consultant Site			
		Staff			
(f)	Project Developmen	nt Budget	1,389.612	181.810	1,571.422
	[(d) + (e)]:	-			

Note: Development contingencies of \$13.3618M for the standard block superstructure, as well as \$24.027M and \$7.578M for the non-standard blocks/buildings and elements in Phases 2 and 4 respectively are included in the Site Development and Construction Costs. These contingencies are allowed in accordance with Paper No. SPC 45/2000 to cover for unforeseen development risks and change in client's requirements.

# **Project Development Costs**

9. The Project Development Costs of Un Chau Street Estate Phases 2 and 4 comparing with the Project Development Cost Ceilings as approved in Paper No. SPC 9/2000 are shown as follows –

	(a)	(b)	(c)	(d)	(e)	(f)
	Project Development Cost (\$/m² CFA)	Project Development Cost Ceiling (\$/m² CFA)	Project Development Cost Ceiling updated to June 2000 Cost Yardsticks (\$/m² CFA)	Unit Con- struction Cost (\$/m² CFA)	June 2000 Con- struction Cost Yardsticks (\$/m² CFA)	June 2000 Con- struction Cost Yardsticks Adjusted to Tender-in Date (\$/m² CFA)
Phase 2						
Domestic (HOS)	7,756	9,237	7,787	5,934	4,566	4,732
Private Carpark	7,729	8,562	7,748	5,792	4,888	5,066
Phase 4						
Domestic (PRH)	11,782	13,974	12,070	9,171	7,205	7,468
Welfare	11,577	13,735	11,612	8,995	-	-

Note: For comparing with the Construction Cost Yardstick, external works, soft landscaping and other sundry costs such as drainage, utility connections etc. have been excluded from the Unit Construction Cost.

- 10. The Project Development Costs are below the Project Development Cost Ceilings approved by the Strategic Planning Committee vide Paper No. SPC 9/2000.
- 11. The difference between the Unit Construction Cost (excluding external works) and the June 2000 Cost Yardsticks adjusted to Tender-in-Date is mainly attributable to the followings –

# Phase 2 Domestic (HOS)

(a)	Extra cost for deep foundation.	(+11.9 %)
(b)	Extra cost due to construction of blocks on podium.	(+8.5 %)
(c)	Extra building services cost based on actual estimate on truncated blocks.	(+1.8 %)
(d)	Provisions of A/C units for 1200 flats as noise mitigation measure.	(+1.7 %)
(e)	Design modifications to standard blocks to add identity to the development.	(+0.62 %)

# Private carpark

(a)	Extra superstructure cost due to domestic blocks with	(+11.0 %)
	transfer plate.	
(b)	Extra cost for deep foundation.	(+7.9 %)
(c)	Extra cost for mechanical ventilation.	(+6.4 %)
(d)	Extra cost for feature screen walls to enhance streetscape and podium elevation design.	(+2.5 %)
(e)	Temporary works for pile caps construction and pre-boring for piling within MTR protection zone.	(+1.3 %)

# Phase 4 Domestic (PRH)

(a) (b)	Extra cost for single aspect block.  Extra cost for window enclosure and suspended ceiling to conceal pipeworks.	(+8.7 %) (+6.3 %)
(c) (d)	Extra cost due to construction of blocks on podium.  Extra cost for deep foundation.	(+4.7 %) (+3.0 %)

12. The Project Development Cost for the domestic (PRH/HOS) buildings can be further broken down into cost per flat as follows –

	Flat Type	Project Development Cost per Flat (\$)	Construction Cost per Flat (\$)	June 2000 Construction Cost Yardstick (\$)	June 2000 Construction Cost Yardstick adjusted to Tender-in- Date (\$)
Phase 2	1 B	389,351	297,887	229,213	237,546
	2 B	507,242	388,084	298,616	309,473
	3 B	622,807	476,500	366,650	379,980
Phase 4	1p/2p	543,621	423,150	332,439	344,574

Note: For comparing with the Construction Cost Yardstick, external works, soft landscaping and other sundry costs such as drainage, utility connections, etc. have been excluded from the Construction Cost per Flat.

#### **AVAILABILITY OF FUNDS**

13. The estimated yearly expenditure of the proposed Budget is shown below and would be included in the next capital budget updating of the Authority –

	Estimated Yearly Expenditure (\$/M)				
	2000/01	2001/02	Post 2001/02	Total	
Phase 2	9.995	271.616	1,108.001	1,389.612	
Phase 4	0.861	28.795	152.154	181.810	

- 14. Provision in the Housing Authority's Capital Budget for the year 2000/2001 is \$41.495M for Phase 2 and \$3.131M for Phase 4 (Paper No. FC 2/2000 refers) and is adequate to meet the estimated expenditure.
- 15. SWD confirmed that the construction cost of the Residential Care home for the Elderly (RCHE) will be met from Lotteries Fund.

#### **DEVELOPMENT PROGRAMME**

16. Details of the development programme are in Part IV of the Annex. Key dates are –

(a) Scheme Design	PDRC(2)	07/00
(b) Scheme Design and Budget	BC	09/00
(c) Detailed Design	DDRP	01/01
(d) Piling (Phase 2)	Commencement	05/01
	Completion	04/02
(Phase 4)	Commencement	05/01
` ,	Completion	12/01
(e) Building (Phase 2)	Commencement	04/02
	Completion	12/04
(Phase 4)	Commencement	12/01
` ,	Completion	04/04

#### **RECOMMENDATION**

17. It is recommended that the proposed Master Layout Plan, Scheme Design and Project Development Budget of \$1,571.422M for the Redevelopment of Un Chau Street Estate Phases 2 and 4 as described above and in the Annex to this Paper be approved.

#### **DISCUSSION**

18. At the next meeting of the Building Committee to be held on 21 September 2000, Members will be invited to approve the recommendation in paragraph 17 above.

File Ref.: HD(AR) 7/713/2

Date : 21 September 2000

PART I - MASTER LAYOUT PLAN

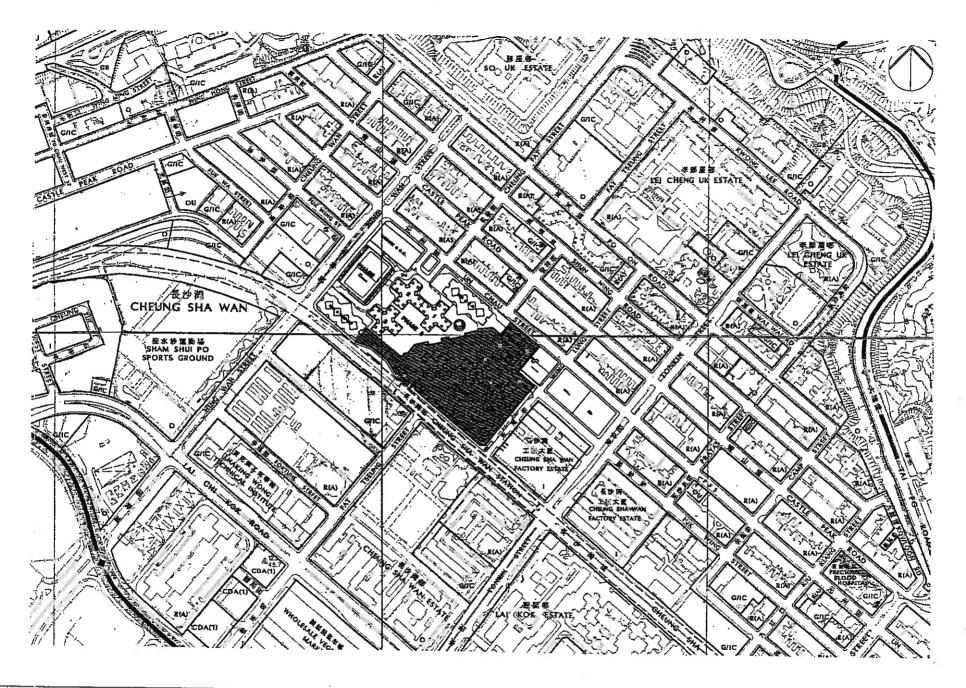
#### 1. INTRODUCTION

#### 1.1 Background

- 1. Un Chau Street Estate (UCSE) Phases 2 and 4 are parts of the overall UCSE Comprehensive Redevelopment Programme which consists of 4 phases. Phases 1 and 3 completed in 2000 comprise of 3 rental blocks, a HSC and a Commercial Centre.
- 2. UCSE Phase 4 is a designated NCC site which was released by the Home Affairs Department (HAD) in August 1997 for public housing development on condition that facilities for the elderly and the community would be provided within the housing development. According to the HOUSCOM's Control List, redevelopment of UCSE Phase 2 will provide 1,920 HOS flats and 138 Public Rental Housing (PRH) flats while Phase 4 will provide 147 PRH flats for completion in 2003/04.
- 3. In January 2000, the Strategic Planning Committee approved the proposal to develop Phase 2 entirely as HOS, and Phase 4 as PRH with welfare facilities. The amended Planning Brief was subsequently approved by Tsuen Wan West Kowloon District Planning Conference on 3 May 2000.
- 4. Phase 2 is presently occupied by four Former Government Low Cost Housing blocks (Blocks 4 to 7) but these will be demolished by February 2001 under the Comprehensive Redevelopment Programme. Some affected tenants had already been rehoused to UCSE Phase 3. Phase 4 was previously occupied by the Ka Ling School of the Precious Blood and the school premises was cleared in September 1999 for demolition.
- 5. The total site area of UCSE 2&4 is about 2.5 hectares and is bounded by Un Chau, Wing Lung and Cheung Sha Wan Streets with UCSE Phase 3 to the north. To maximise the development potential with a better layout, four New Harmony HOS Blocks are proposed in Phase 2 on top of a 2-storey carpark. These will provide 2,400 flats for a design population of 7,680.
- 6. Phase 4 PRH development will comprise of a 17-storey Single-aspect Small Household Block with 331 flats and design population of 514. the domestic block is constructed on top of 3-storey welfare premises containing a Residential Care Home for Elderly (RCHE) with 150 bed spaces and an Outreaching Social Work Base (ORSWB). Funding for reprovisioning of the ORSWB will be borne by the Department as it is affected by our redevelopment, whereas that of the RCHE will be met by the Social Welfare Department.

#### 1.2 Location Plan

Drawing No. KL30/-/SITE/A/SK01/PO



REDEVELOPMENT OF	UN CHAU STREET PHASES 2 &		SCALE : 1 : 4000
LOCATION PLAN		A/78 ST0A/36 DRAWN : T0A/3	DRAWING NO. : KL30/-/SITE/A/SK-01/PO

# 2. EVALUATION OF MASTER LAYOUT PLAN

	Approved Development Parameters/ Planning Brief	Proposed Master Layout	Remarks
2.1	Site and Surroundings		
2.1.1	Site Area Un Chau Street Estate (UCSE) Phases 2&4 measures about 2.51 ha (gross) within the existing vesting order boundary.	The proposed site area of Phases 2&4 has been revised to 2.49 ha.	An area of 0.03 ha is to be handed over to Highways Department to compensate the pavement width taken up by the relocated mini bus layby along Wing Lung Street.
2.1.2	Site Location The site of UCSE Phases 2&4 is bounded by Un Chau Street to the North, Wing Lung Street to the East, Cheung Sha Wan Road to the South and Phases 1 and 3 to the West.	As in approved Conceptual Layout Plan	
2.1.3	Adjacent Land Uses Uses include PRH and commercial center in Phase 3, and a nearby factory at the corner junction of Wing Lung Street and Un Chau Street.	As in approved Conceptual Layout Plan	
2.2	Environmental Constraints		
2.2.1	Noise The site is subject to substantial traffic noise from surrounding major roads, of both direct and indirect mitigation measures such as noise barriers, the use of non-noise sensitive block and podium design to screen away surrounding noise impacts and set back of building blocks from major noise sources etc. are adopted.	In addition to the direct/indirect mitigation measures, residual noise mitigation measures such as air conditioning and/or upgraded windows will also be provided to flat with exceeded noise levels.	Air conditioning and 6mm thick glass to be provided in affected HOS flats. 6mm thick glass to be provided in affected rental flats.

	Approved Development Parameters/ Planning Brief	Proposed Master Layout	Remarks
2.2.2	Air A 7m setback from the adjacent industrial building has been incorporated to minimize any potential industrial - residential interface problem. There are no constraints on the development from vehicular omission impact.	A setback distance of more than 7m from the industrial building is achieved.	
2.3	Land Clearance/Resumption		<u> </u>
	No specific requirement	-	
2.4	Site Formation		
	No specific requirement. Existing site level is maintained in the approved conceptual layout.	As in approved Conceptual Layout, G/F level of Phases 2 and 4 is designed at +5.7mPD to suit the existing pavement levels.	
2.5	Zoning Consideration		
	The planned zoning is R(A)	As in Planning Brief	
2.6	Infrastructure		
2.6.1	Drainage and sewerage It is not anticipated that there would be any insurmountable problem in the provision of drainage and sewerage.	As in Planning Brief.	::
2.6.2	Water Supply It is not anticipated that there would be any insurmountable problem in the supply of water.	As in Planning Brief	
2.6.3	Electricity, Telephone and Gas It is not anticipated that there would be any insurmountable problem in utility provision.	As in Planning Brief	

	Approved Development Parameters/	Proposed Master	Remarks
	Planning Brief	Layout	
	-		
2.6.4	Traffic - Improvement	A ' Dissuine Daief	
	A Traffic Impact Assessment (TIA) has	As in Planning Brief	
	been carried out and demonstrates that		
	the proposed redevelopment would not		
	have significant impact on the adjacent		
	road network. Four junctions are		
	predicated to be operating over capacity		
	by year 2011, mainly due to significant		
	background traffic growth projected in		
	the future. Potential improvement		
	schemes have been developed for		
	relevant government departments'		
	reference, to alleviate the anticipated	21	
	capacity deficiencies. The TIA also		
	concludes that the impact of the		
	redevelopment on the nearby pedestrian		
	facilities would only be minimal.		
0.7	TV 1 L D		
2.7	Height Restriction		
	Nil	As in Planning Brief	

# 3. ACCOMMODATION AND FACILITIES

	Approved Development Parameters/	Proposed Master	Remarks
	Planning Brief	Layout	
3.1	Site Age (I-N		
3.1	Site Areas (ha):		
3.1.1	Gross Site Areas		
	Rental:	Rental Portion	
	Phase 1 ) 2.53	Phase 1 - 0.94	See Remark in item
	Phase 3)	Phase 3 - 1.59	2.1.1.
	Phase 4 - 0.5	Phase 4 - 0.50	
	Sub-total - 3.03	Sub-total - 3.03	
	HOS:	HOS Portion	
	Phase 2 - 2.01	Phase 2 - 1.99	* Exclusive of
	Total 5.04*	Total 5.02*	USD playground in Ph. 1
3.1.2	Net Site Area		
	Rental (Ph. 1, 3 & 4):	Rental (Ph. 1, 3 & 4)	
	26,750m <sup>2</sup>	26,777m <sup>2</sup>	
	HOS (Ph. 2):	HOS (Ph. 2):	
	20,040m <sup>2</sup>	19,904m <sup>2</sup>	
3.1.3	Domestic Gross Floor Area		
	Rental (Ph. 1, 3 & 4):	Rental (Ph. 1, 3 & 4):	
	159,130m <sup>2</sup>	157,715m <sup>2</sup>	GFA reduced as a
			result of as a smaller
			RCHE requested by
	770 G		SWD.
	HOS (Ph. 2):	HOS (Ph. 2):	
	149,330m <sup>2</sup>	149,010m <sup>2</sup>	
3.2	Development Potential		
	Domestic Plot Ratio (P.R.)		
	Rental (Ph. 1, 3 & 4):	Rental (Ph. 1, 3 & 4):	Rental - max
	5.95	5.89	permissible 6.0
	<u>HOS (Ph. 2)</u> :	HOS (Ph. 2):	HOS - max
3.3	7.45	7.49	permissible 7.5
3.3	Population Density Rental: 1.1 person per 1P/2P flat	As in approved	
	Rental: 1.1 person per 1P/2P flat HOS: 3.2 person per flat	As in approved Development	
	1100 . 3.2 person per mar	Parameters	
		1 didilottis	
		<u> </u>	I

3.4	Flat Numbers Rental (Ph. 1, 3 and 4) 3127	Rental Ph. 1:197 Ph. 3:2594*	* Including 197 HSC
		Ph. 3: 2394* Ph. 4: 331 Total: 3122**	** Reduction of 5 No. 1P/2P flats in Phase 4.
	HOS: (Ph. 2): 2400	HOS: (Ph. 2): 2400	
3.5	Designed Population Rental: (Ph. 1, 3 & 4) = 8957*	Rental: Ph. 1 = 197 Ph. 3 = 8210 Ph. 4 = 515 Total = 8922**	* including 180 beds RCHE in Ph. 4  ** Including 150 Beds RCHE in Ph. 4
	HOS: (Ph 2) - 7680	HOS: (Ph 2) - 7680	
3.6	Management Accommodation HOS:		
	a) Management office to be location with HOS Court (110 - 130m <sup>2</sup> )		
	b) Owners Corporation Office (18 - 40 m <sup>2</sup> )		
	c) Office for cleansing contractor (10 - 20m)	As in Development Parameters	Located on podium floor
	d) Artisan workshop (10 - 18m²)		
	Rental None in Phase 4		
3.7	Commercial Center		
	4400m <sup>2</sup> IFA	4400m <sup>2</sup> IFA (already provided in Ph. 1 and 3)	
3.8	Local Open Space		
	16637m <sup>2</sup> (1ha per 10,000 person)	16637m <sup>2</sup> (minimum)	7

	Approved Development Parameters/ Planning Brief	Proposed Master Layout	Remarks
3.9	Recreation Facilities		
	3.9.1 Children's Play Area 1331m <sup>2</sup>	1331m <sup>2</sup>	HKPSG: 400m <sup>2</sup> per 5000 person
3.10	Education Facilities		
3.10.1	Kindergarten		
	6 Classrooms	6 Classrooms already provided in Ph. 3	
3.10.2	Primary School Nil	Nil	
3.11	Social Welfare/Community Facilities		
3.11.1	Residential Care Home for the Elderly 150 places to be provided in Ph. 4	As in Planning Brief	
3.11.2	1 No. Out Reaching Social Work Base	As in Planning Brief.	

# 4. CIRCULATION AND TRANSPORTATION MATTERS

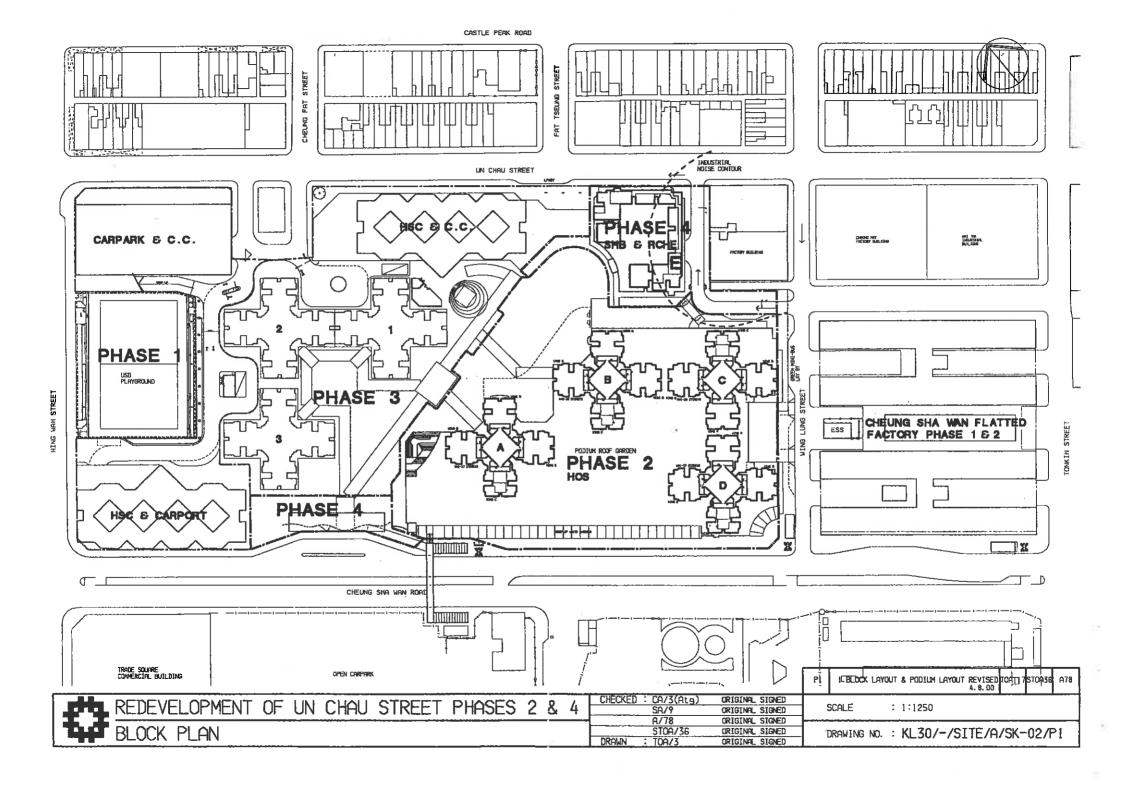
	Approved Development Parameters/ Planning Brief	Proposed Master Layout	Remarks
4.1	Vehicular Access		
	Ingress for one-way estate road from Wing Lung Street and egress along Un Chau Street	As in the approved conceptual layout	
4.2	Pedestrian Access No special requirement	Main entrance lobby of each tower is provided at G/F connected with covered walkways	
4.3	Control of Ingress/Egress No special requirement	Drop bars to be provided at the vehicular ingress/egress	
4.4	Emergency Vehicular Access (EVA) No special requirement	As indicated in the Master Layout Plan	
4.5	Pedestrian Network No special requirement	As indicated in the Master Layout Plan	
4.6 4.6.1	Parking Requirements Car Parking Spaces Rental (Ph. 4): No provision is made to serve the 1P/2P rental flats in Phase 4.	Rental (Ph. 4): As in approved Planning Brief	
	HOS (Ph. 2): 600	600*	* including 3 No. disabled car park at G/F
4.6.2	Motorcycle Parking (HOS): 50	50	
4.6.3	LGV Parking:	0	

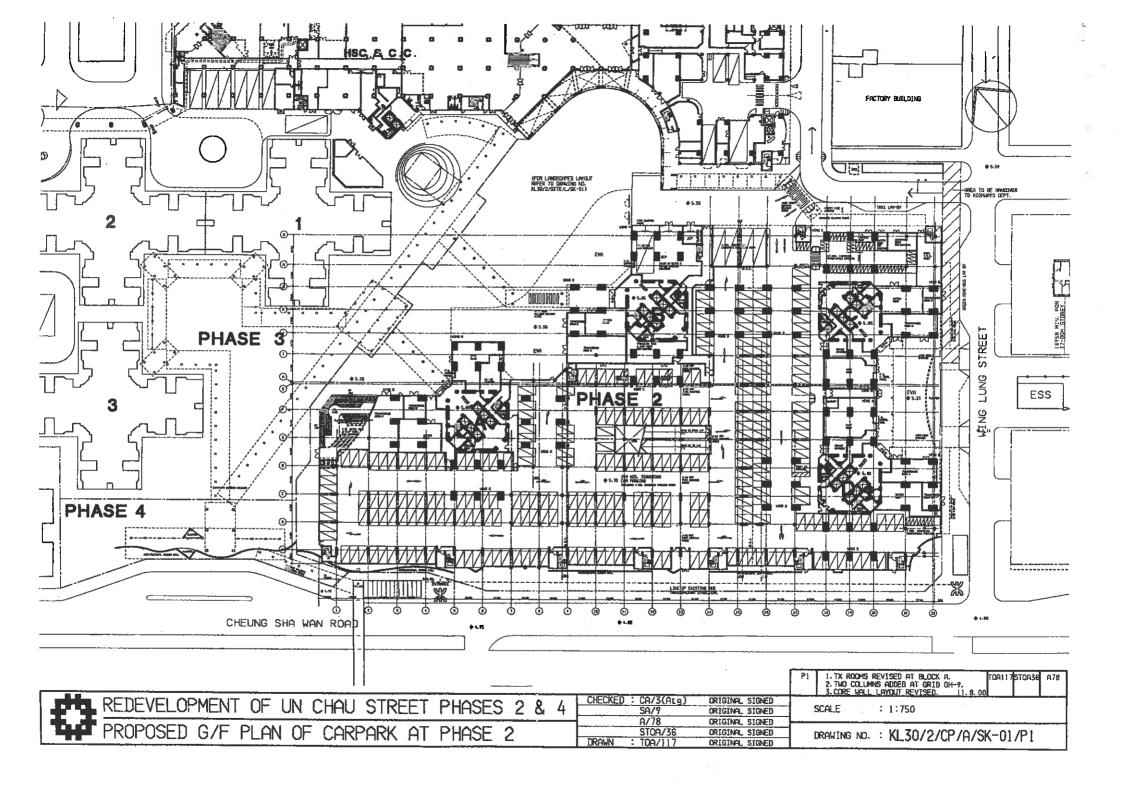
	Approved Development Parameters/ Planning Brief	Proposed Master Layout	Remarks
4.6.4	Loading/unloading spaces (Domestic) 1 per housing block in Ph. 2 & 4.	As in approved Planning Brief	
4.6.5	Parking/loading spaces (RCHE)		
	1 No. 16 seater van space	1 No.	SWD agreed that the communal loading
	1 No. ambulance bay	1 No.	space (item 4.6.4)
	1 No. loading space for wheelchair users.	Nil	wheelchair loading.

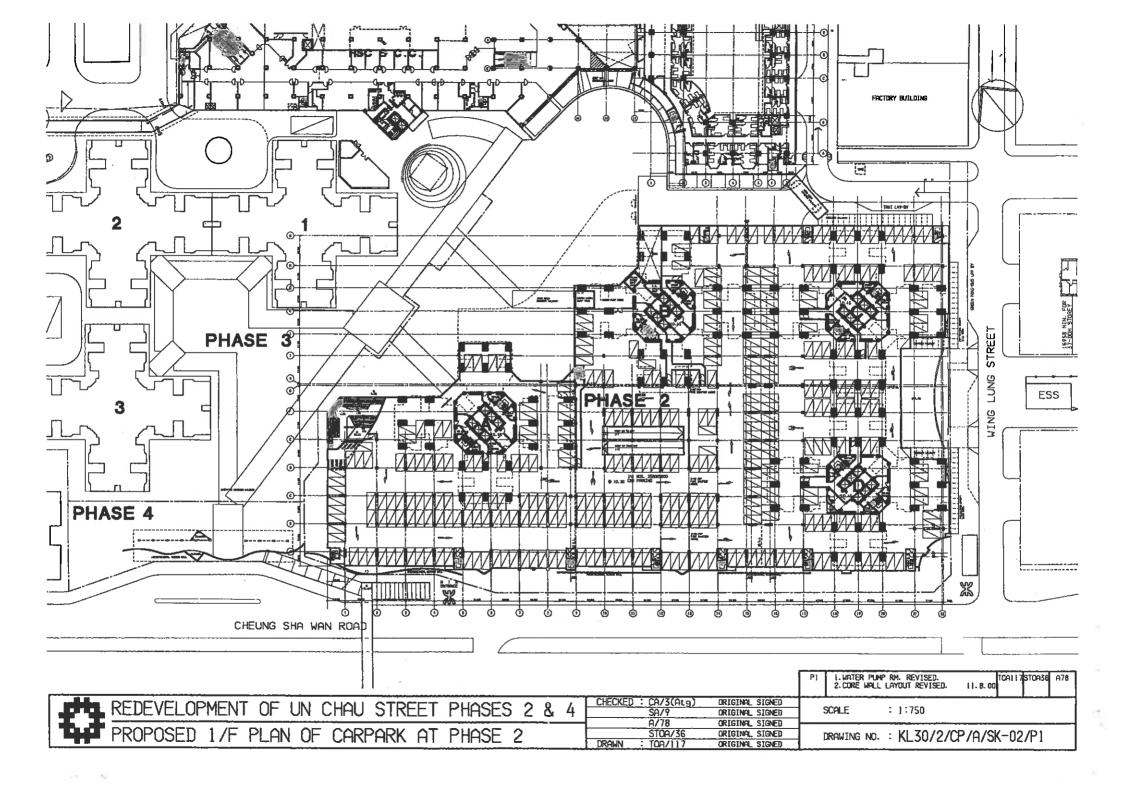
# 5. DESIGN CONSIDERATIONS

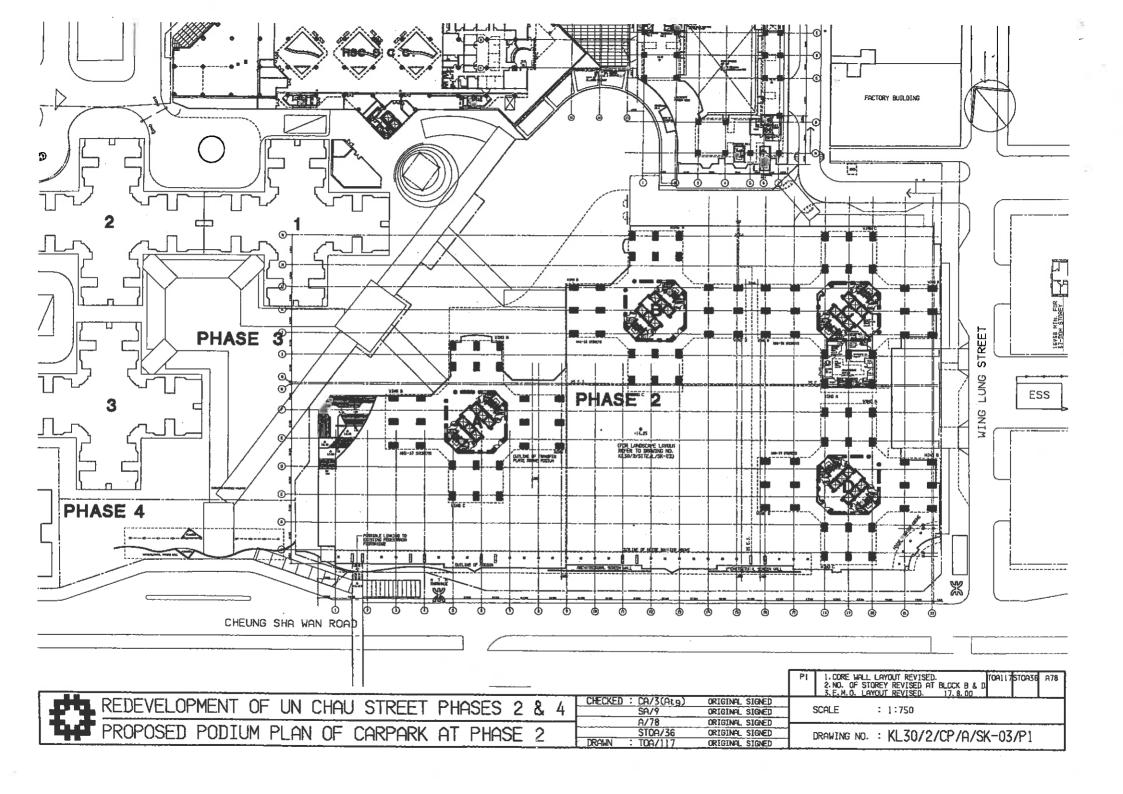
Approved Development Parameters/ Planning Brief	Proposed Master Layout	Remarks
5.1 Block Types, Disposition and Orientation	As per approved Conceptual Plan	

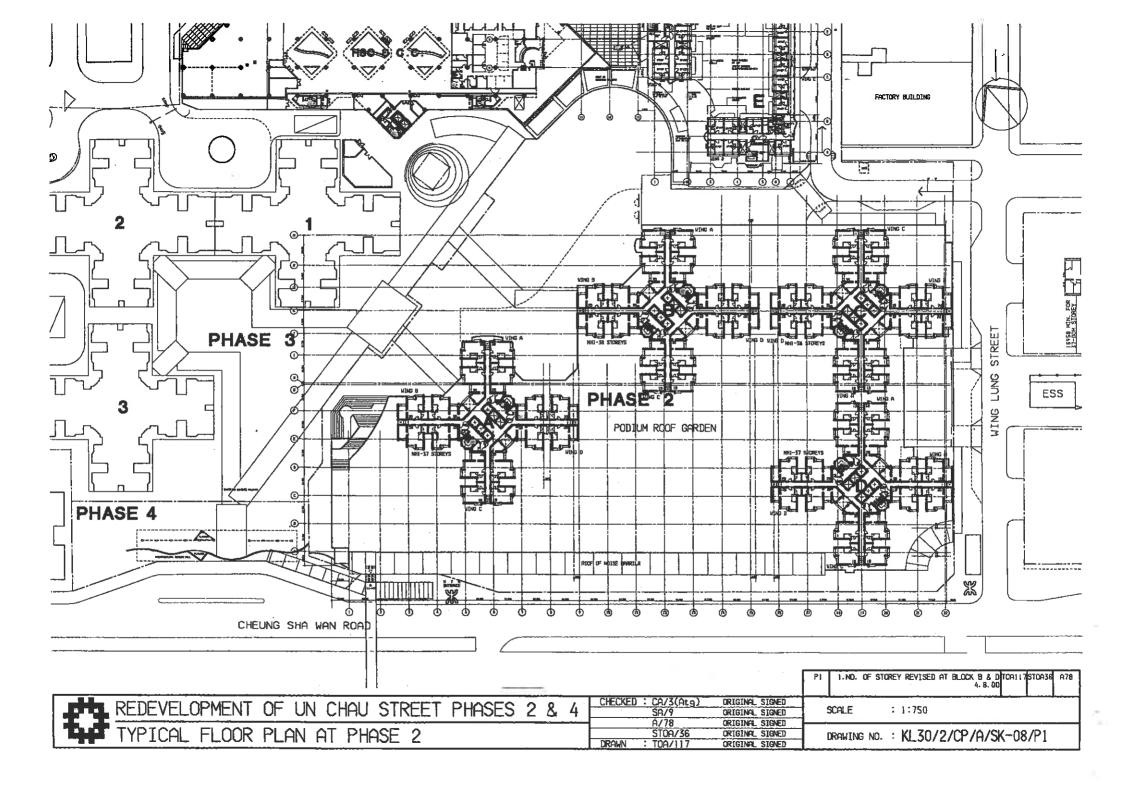
PART II - MASTER LAYOUT DRAWINGS

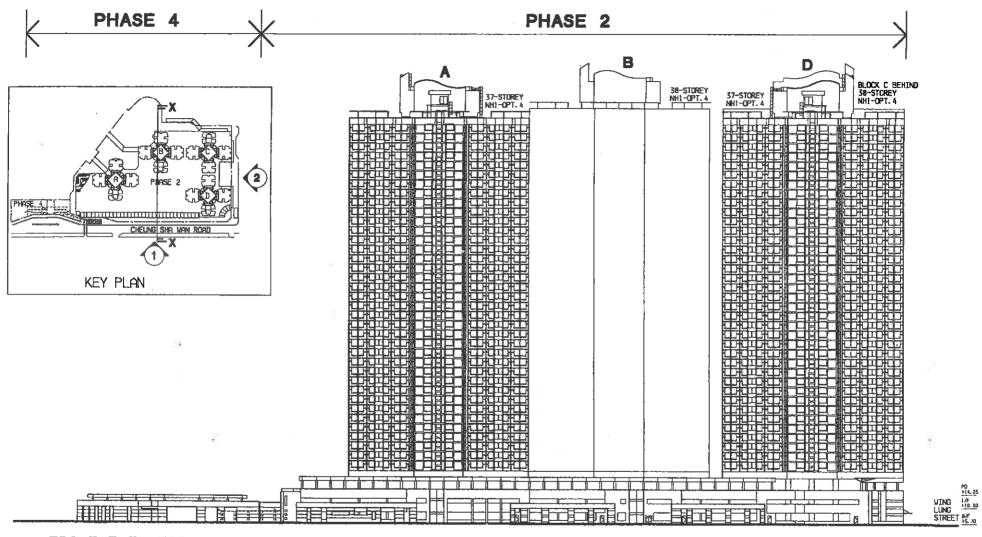






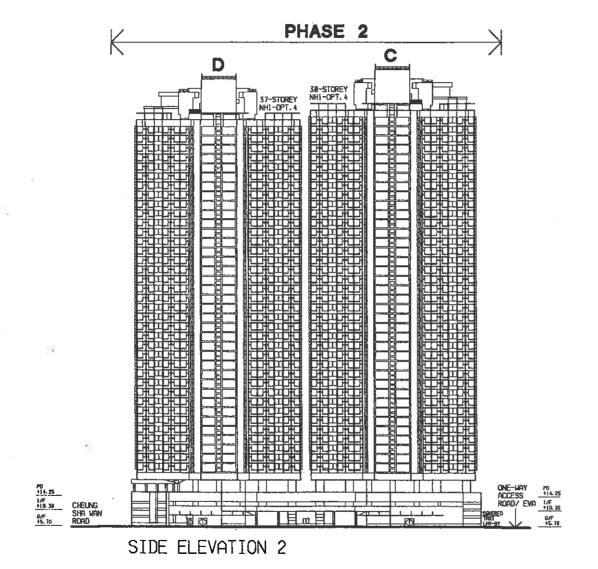


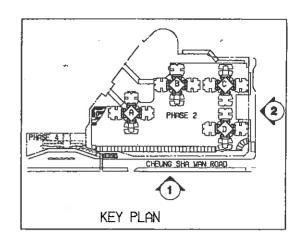




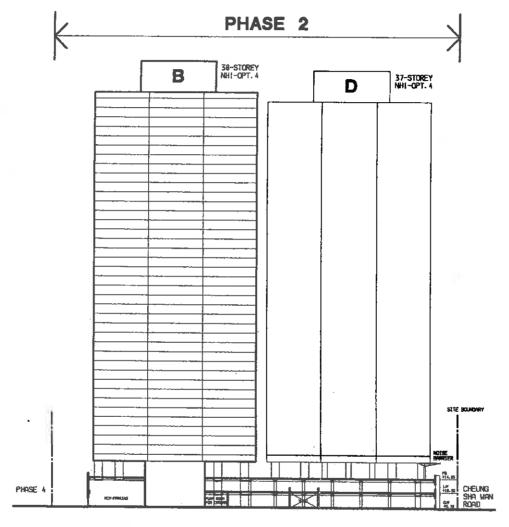
FRONT ELEVATION 1

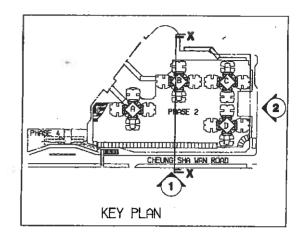
	P1 1-NO. OF STOREY REVISED AT BLOCK B & DITOA117STOA36 A78
REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4 CHECKED : CA/3(Atg) ORIGINAL SIGNED	SCALE : 1:750
FRONT ELEVATION OF CARPARK AT PHASE 2  A/78 STOA/36 ORIGINAL SIGNED DRAWN : TOA/117 ORIGINAL SIGNED	DRAWING NO. : KL30/2/CP/A/SK-04/P1





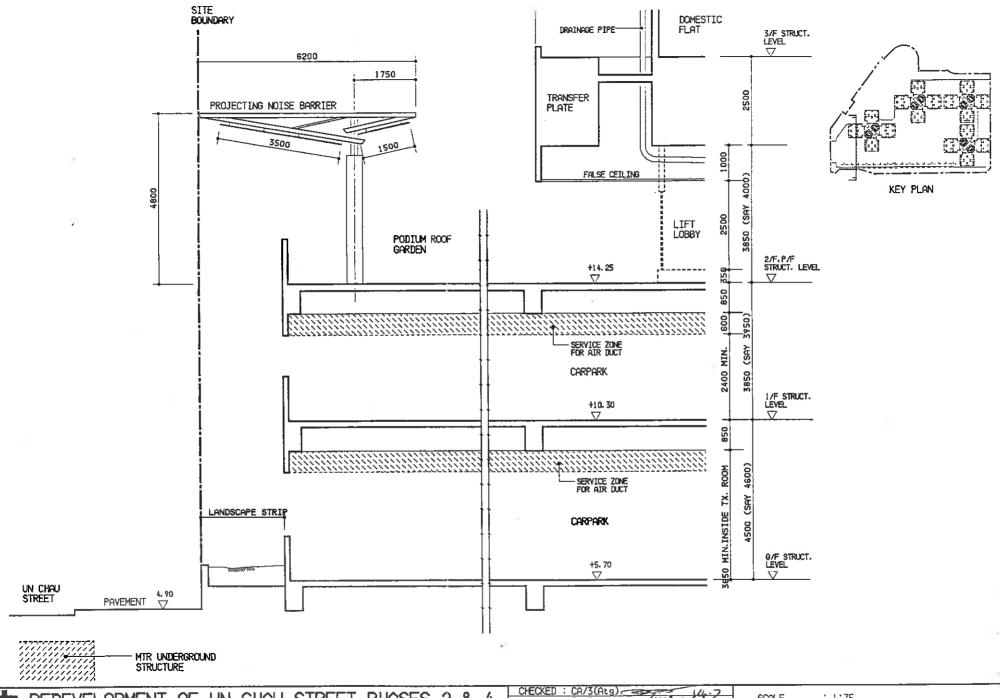
						P1 I-NO- OF S	STOREY REVISED AT BLOCK D. 4.8.00	0A117ST0A36 A7	18
44	REDEVELOPMENT OF UN CHAU STREET P	PHASES 2 &	4	CHECKED : CA/3(Atg) SA/9 A/78	ORIGINAL SIGNED ORIGINAL SIGNED ORIGINAL SIGNED	SCALE	: 1:750		
Ph.	SIDE ELEVATION OF CARPARK AT PHAS	E 2		STOA/36 DRAWN : TOA/117	ORIGINAL SIGNED ORIGINAL SIGNED	DRAWING NO	.: KL30/2/CP/A/SK	-06/P1	





SECTION X-X

	P1 1.NO. OF STOREY REVISED AT BLOCK B & DTOA117STOA36 A78
REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4 CHECKED : CA/3(Atg) ORIGINAL SIGNED SA/9 ORIGINAL SIGNED	SCALE : 1:750
SECTION X-X OF CARPARK AT PHASE 2  A/78 ST0A/36 ORIGINAL SIGNED DRAWN: T0A/117 ORIGINAL SIGNED	DRAWING NO. : KL30/2/CP/A/SK~05/P1



REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4

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REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4

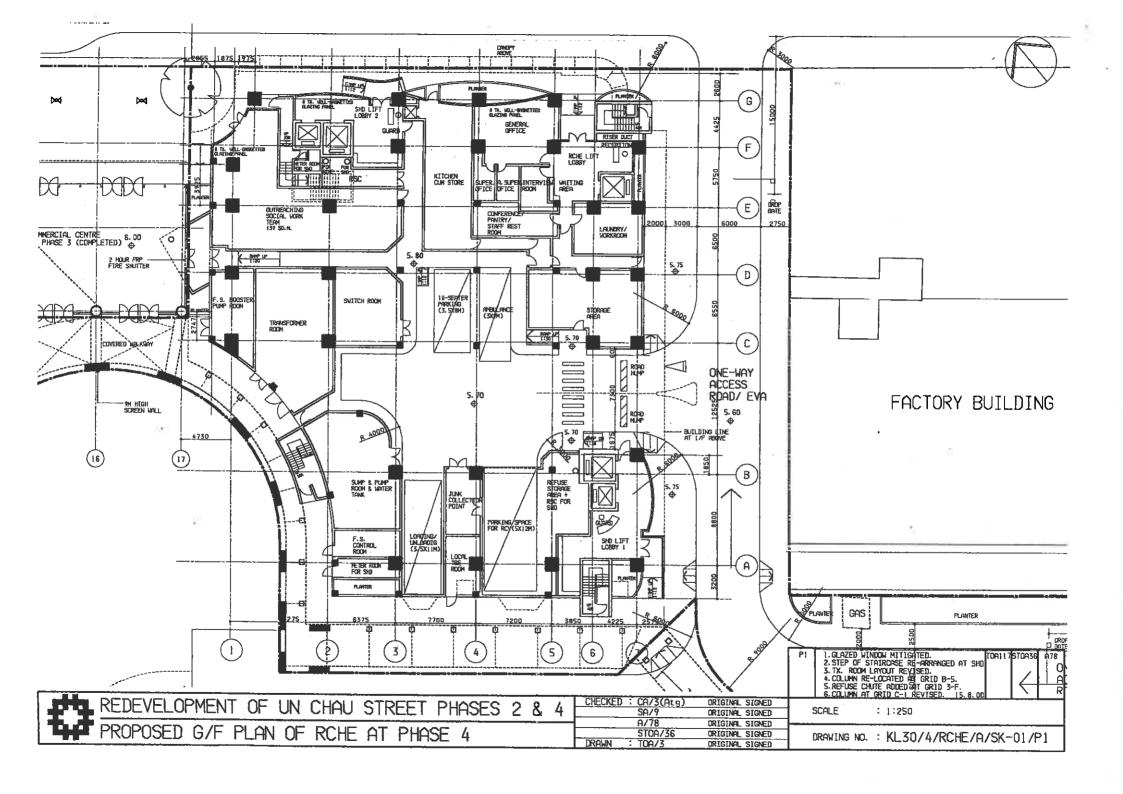
REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4

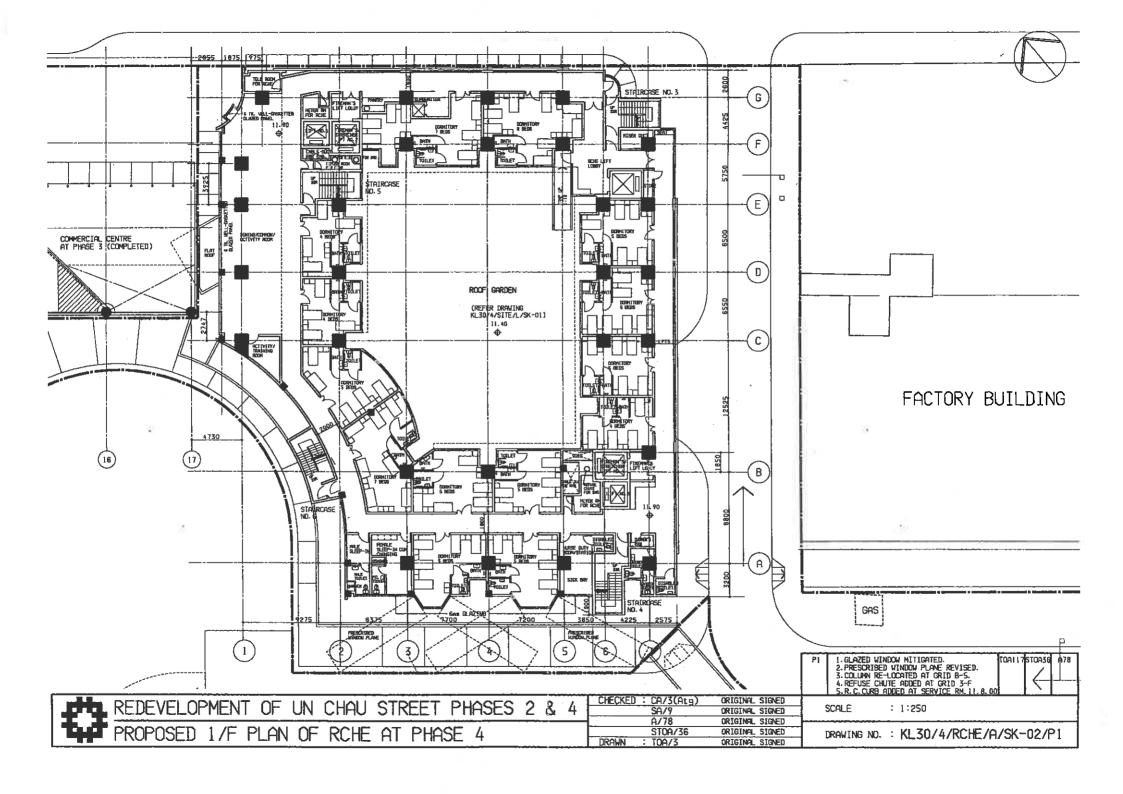
REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4

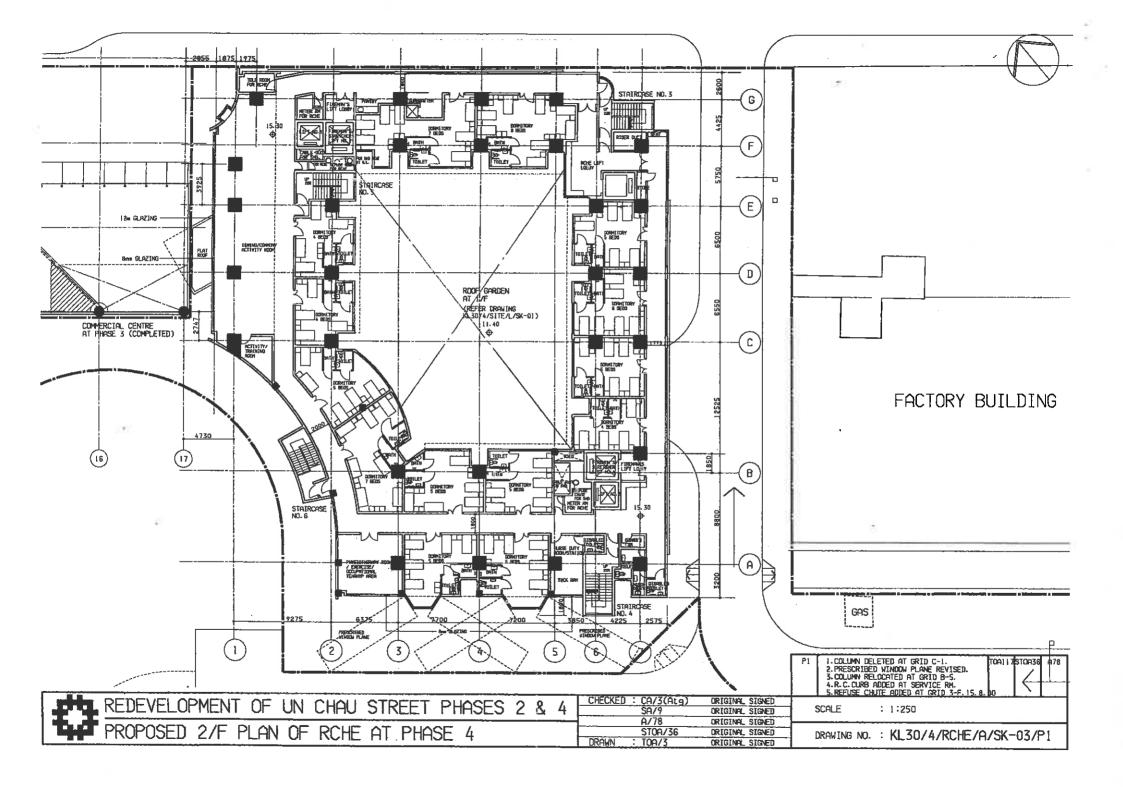
REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4

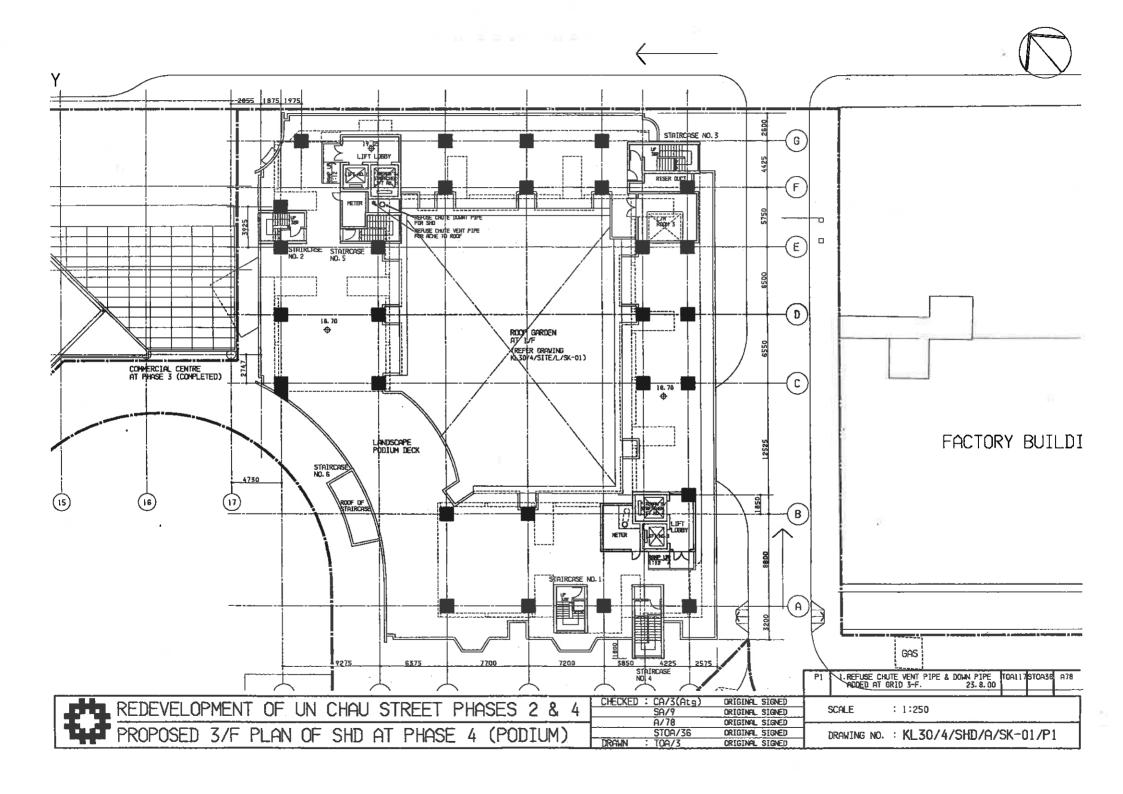
REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4

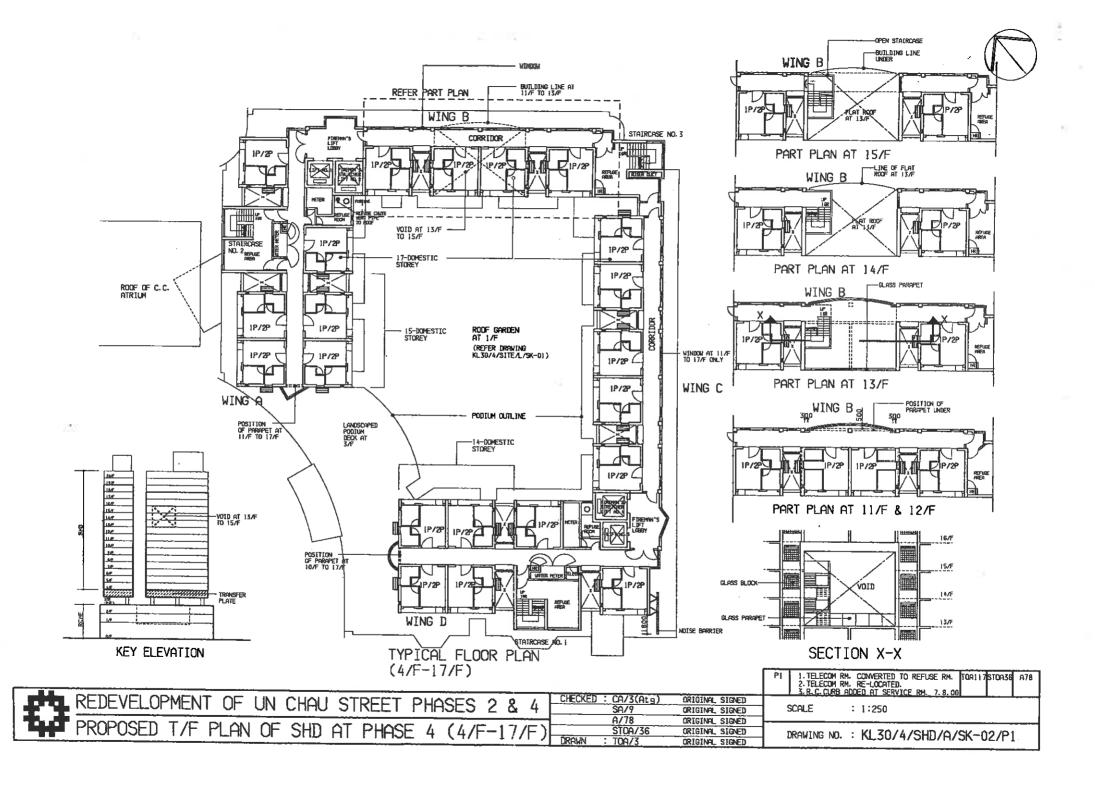
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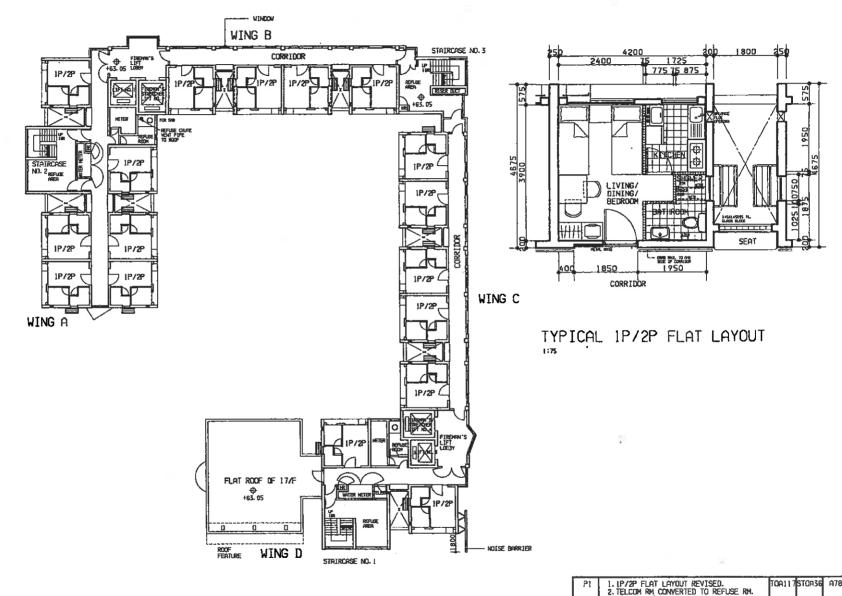






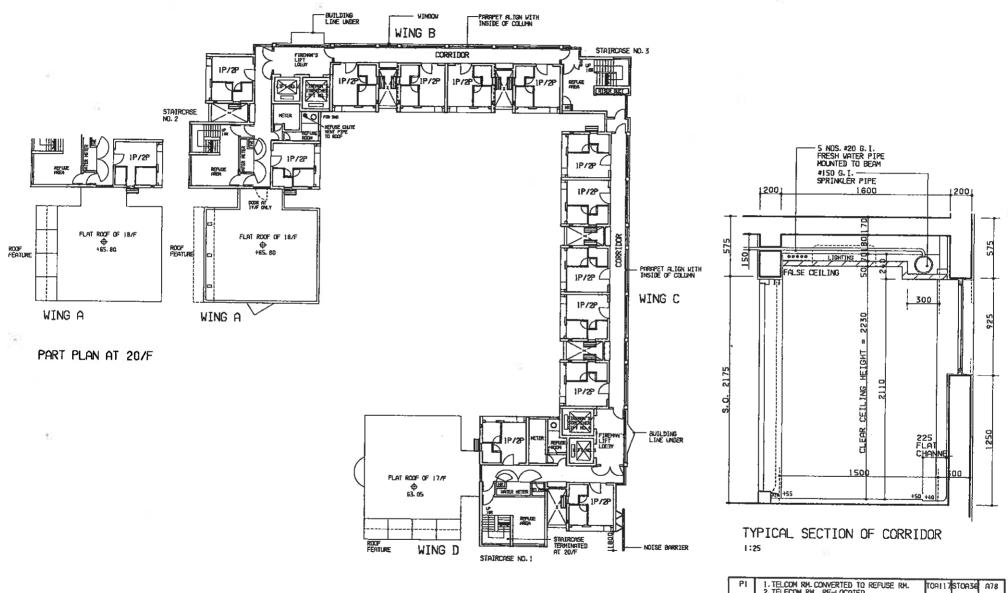






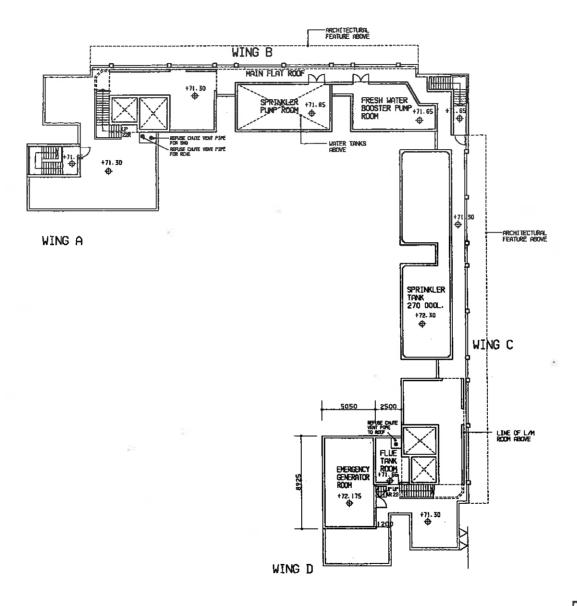
	3. TÉLECOM RN. RE-LOCATED. 4. FLOOR LEVEL REVISED. 7. 8. 00
REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4 CHECKED: CA/3(Atg) ORIGINAL SIGNED SA/9 ORIGINAL SIGNED A/78 ORIGINAL SIGNED	SCALE : 1:250
PROPOSED 18/F PLAN OF SHD AT PHASE 4  PROPOSED 18/F PLAN OF SHD AT PHASE 4  DRAWN: TOA/3 DRIGINAL SIGNED  DRAWN: TOA/3 DRIGINAL SIGNED	DRAWING NO. : KL30/4/SHD/A/SK-03/P1



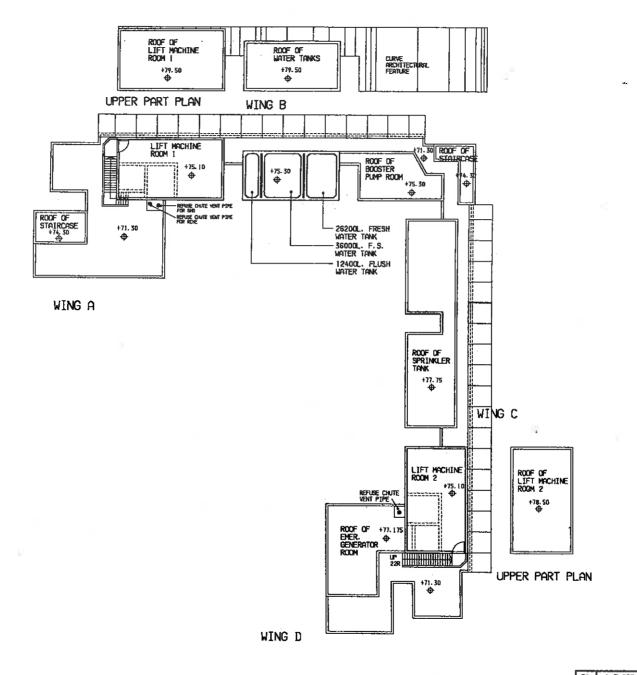


	3. R. C. CURB ADDED AT SERVICE RM. 4.FLOOR LEVEL REVISED. 7. 8. 00
REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4 CHECKED : CA/3(Atg) ORIGINAL SIGNED SA/9 ORIGINAL SIGNED	SCALE : 1:250
PROPOSED 19/F & 20/F PLAN OF SHD AT PHASE 4 STOA/36 ORIGINAL SIGNED	DRAWING ND. : KL30/4/SHD/A/SK-04/P1
DRAWN : TOA/3 ORIGINAL SIGNED	24 Mills 16: 1 142307 47 31 127 147 1



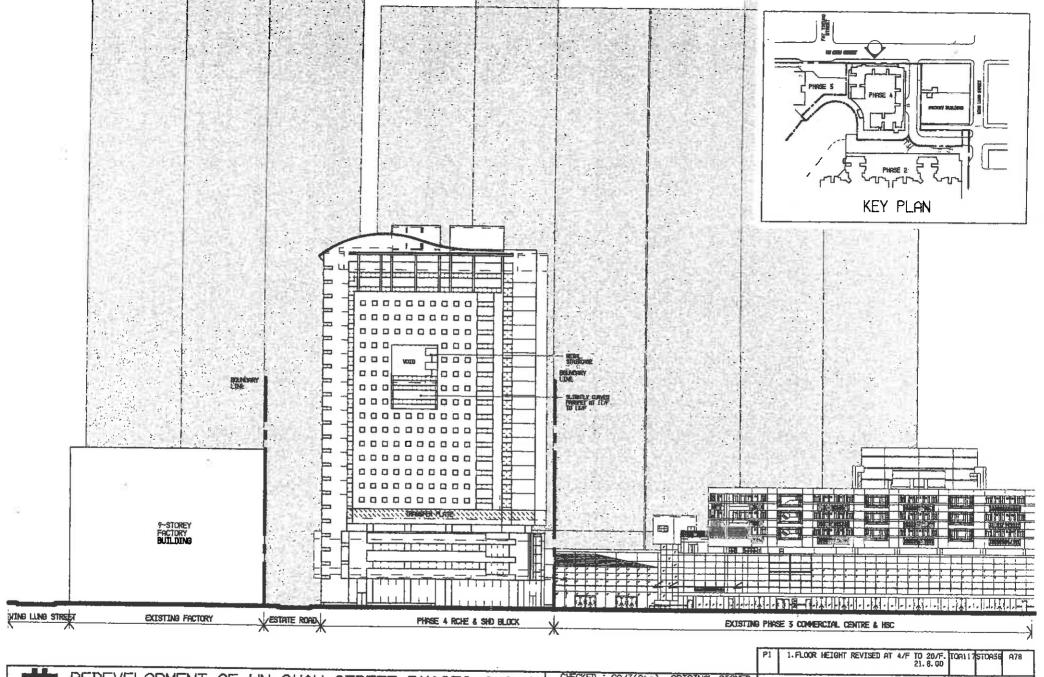


	PI 1. REFUSE CHUTE VENT PIPE ADDED. TOALL7STOA38 A78 2. FLOOR LEVEL REVISED. 16. 8. 00
REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4 CHECKED: CA/3(Atg) ORIGINAL SIGNED SA/9 ORIGINAL SIGNED	SCALE : 1:250
PROPOSED MAIN ROOF PLAN OF SHD AT PHASE 4    A/78   ORIGINAL SIGNED   STOA/36   ORIGINAL SIGNED   ORIG	DRAWING NO. : KL30/4/SHD/A/SK~05/P1

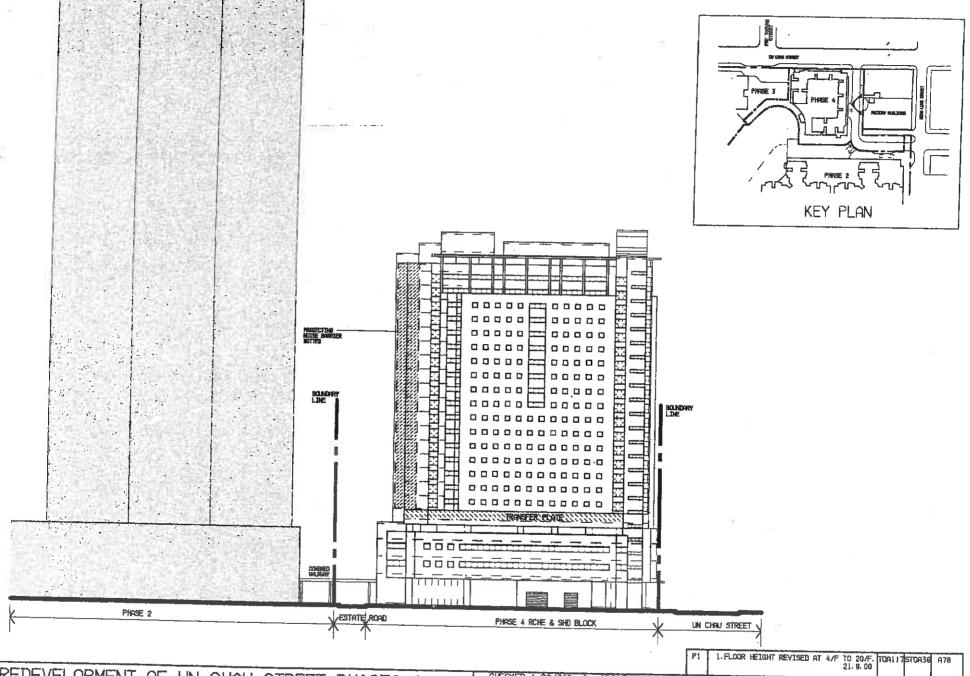


	PI IFLOOR LEVEL REVISED. TOAIL/75T0A36 A78 2FLUSH & F.S. WATER TANK EXCHANGED. 3. REFUSE CHUTE YENT PIPE ADDED. 16. 8. 00
REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4 CHECKED : CA/3(AL9) ORIGINAL STOKED SA/9 ORIGINAL STOKED	SCALE : 1:250
PROPOSED UPPER ROOF PLAN OF SHD AT PHASE 4  RATE OF STOA/36  REGINAL SIGNED  DRAWN : TOA/3 ORIGINAL SIGNED	DRAWING NO. : KL30/4/SHD/A/SK-06/P1



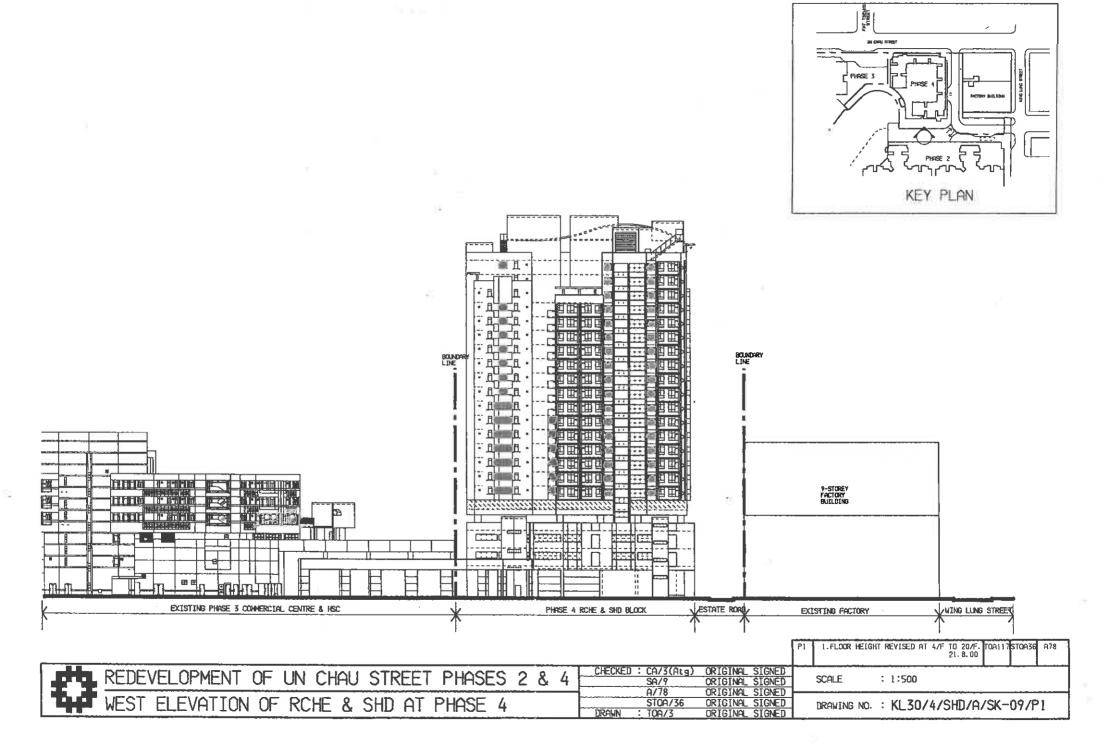


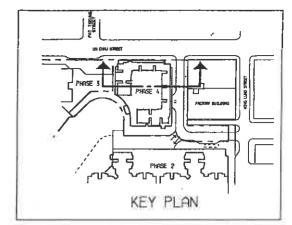
		21. 8. 00
REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4 CHECKED: CA/3(ALS) ORIGINAL SIGNED SA/9 ORIGINAL SIGNED	SCALE	: 1:500
EAST ELEVATION OF RCHE & SHD AT PHASE 4  A/78 ORIGINAL SIGNED STOA/36 ORIGINAL SIGNED	DRAWING NO	D.: KL30/4/SHD/A/SK-07/P1
DRAWN : TOA/3 ORIGINAL SIGNED		1250, 17 0187117 017 0771 1

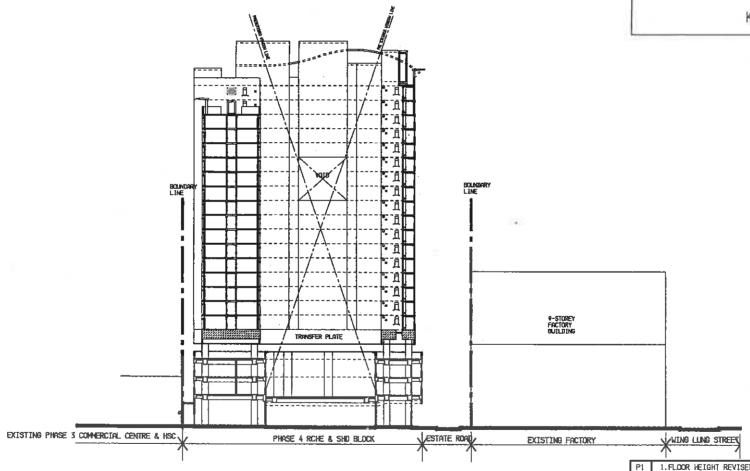


REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4 CHECKED: CA/3(At.9) ORIGINAL SIGNED SCALE : 1:500

SOUTH ELEVATION OF RCHE & SHD AT PHASE 4 DRAWN: TOA/3 ORIGINAL SIGNED DRAWN: TOA/3 ORIGINAL SIGNED DRAWN TOA/3 ORIGINAL SIGNED TOA/3 ORIGINAL SIGN







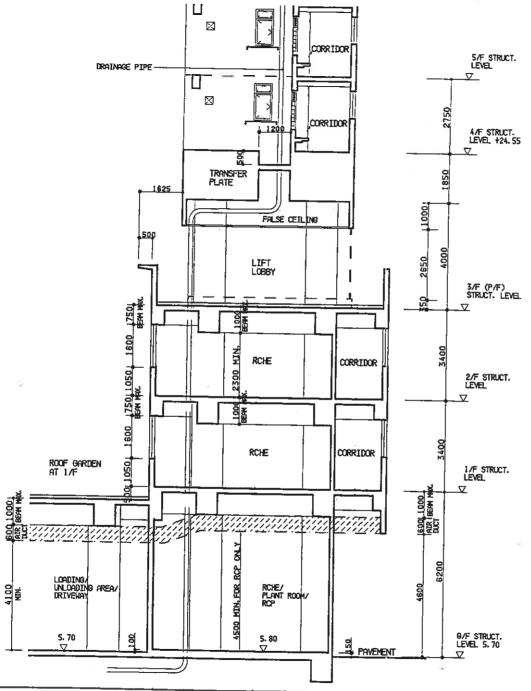
444	REDEVELO	OPMENT	OF	UN C	HAU	STREET	PHASES	2	&	4
THE	SECTION	OF RCH	E &	SHD	AT	PHASE 4				

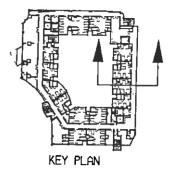
_			я.
٦	CHECKED : CA/3(Atg)	ORIGINAL SIGNED	Γ
	SA/9	ORIGINAL SIGNED	1
+	A/78	ORIGINAL SIGNED	ŀ
1	ST0A/36	ORIGINAL SIGNED	1
	DRAWN : TOA/3	ORIGINAL SIGNED	l

1 1.FLOOR HEIGHT REVISED AT 4/F TO 20/F. TOALL / STOA36 A78

SCALE : 1:500

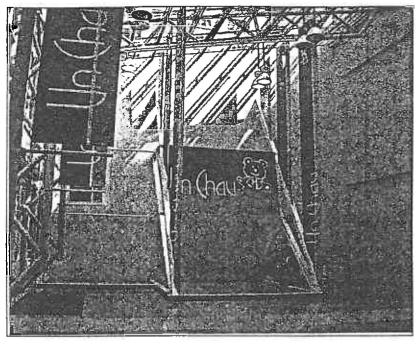
DRAWING NO. : KL30/4/SHD/A/SK-10/P1



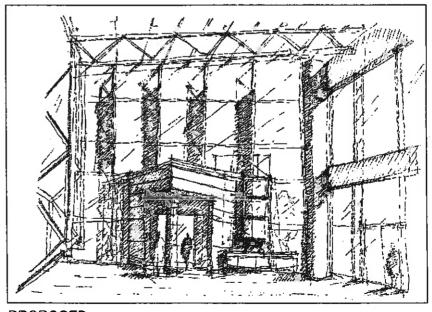


		SOUTTING NO	. 1/1 70 // #	NO. 100			
$\neg$		CALE	: 1:100				
			<del></del>				
	PI	1 HEADROOM	OF SHD REVISED.	14. 8. 00	T0AL17	STOA36	A78

REDEVELOPMENT OF UN CHAU STREET PHASES 2 & 4 CHECKED : CA/3(Atg ORIGINAL SIGNED SA/9 ORIGINAL SIGNED DETAIL SECTION OF RCHE AT PHASE 4 A/78 ORIGINAL SIGNED ST0A/36 ORIGINAL SIGNED DRAWING NO. : KL30/4/RCHE/A/SK-04/P01 DRAWN : T0A/3 ORIGINAL SIGNED



**EXISTING** 



SCALE

PROPOSED



	CHECKED :	CA/3(Atq)	14-7	Γ
		SA/9	MW 1417/00	1
_		A/78 ·//	). 0	7-
		STOA/36	17.10	]
	DRAWN :	TOA/3		1

DRAWING NO. : KL30/4/SHD/A/SK-11/P0

: NIL

PART III - PROJECT DEVELOPMENT BUDGET

## ANALYSIS OF SITE DEVELOPMENT & CONSTRUCTION COST BUDGET NO. 4 (For Financial Viability Assessment Purpose)

PROJECT : Redevelopment of Un Chan Street Estate Phases 2 & 4. PHDP Code :

Bud	get Costs (Incl. common elements				COST P	ORTIONS				
	ortioned across all phases within the Whole	PRH	HOS	CC	CP	WEL	WEL	UN	GN	Total
$\overline{}$	clopment Site)		ļ			(ORSWB)	(RCHE)			
^-	Phase 2 (Budget no. 4 )	m²	m²	m²	m <sub>s</sub>	m <sup>1</sup>	m²	m²	m²	m <sup>2</sup>
<u> </u>	CFA of Cost Portions (m2)	0	156,674	-	22,367		-	210		179,251
1.0	Site Development Costs		· <			Cost in (	, (000' a	·	<u>.                                    </u>	>
1	1.1 Demolition	ľ	9,559		1,365		ľ	13	1	10,937
l	1.2 Site Formation				-	!		-		l - i
2.0	Construction Costs	i			İ	1				
1	2.1 Foundation (incl. caps)	ŀ	171,879		20,510		<b>!</b>	230		192,619
ı	2.2 Building (incl. building services)	ŀ	784,224		115,524			1,418	i	901,166
l	2.3 Transfer Structures		27,553		3,934			37		31,524
l	2.4 External Works		67,212		9,595			90		76,897
	2.5 Automated Refuse Collection System		•		•			-	ļ	-
	2.6 Public Transport Interchange 2.7 Other Separate Contracts (Incl. soft landscape).							•		0
	2.7 Ombi Separate Contracts (Inc.: sott landscape)	Ī	2,844		406			4		3,254
3.0	Other Project Costs									
1	3.1 Other Project Costs		21,265		3,027	1 1		36		24,328
l			,		,	1		50		27,526
					1	!				
					1	1				
Bud	get of Phase 2 (Budget no. 4 )									<del></del>
	ected to Date of Tenders (A)		1,084,536		154,361	ŀ		1.828		1,240,725
(Unit	Cost in terms of \$/m2 CFA) :-		6.922		6.901			8,705		6.922
B.	Phase 4 (Budget no. 4 )	m²	m²	m²	m²	12)2	m²	m²	m <sup>2</sup>	m²
ļ <sup>—</sup>	CFA of Cost Portions (m2)	15,271	0	- 114	"	163		лı	m	m- 15,434
10	Site Development Costs	10,000	\- <u> </u>		<del>-</del>				<u> </u>	13,434
1.0	1.1 Demolition	932	I I		I .	Cost in (5	(000) ——		i .	` I
	1.2 Site Formation	732				10				942
		_								-
2.0	Construction Costs 2.1 Foundation (incl. caps)									
	2.2 Building (incl. building services)	15,244 131,805				163				15,407
	2.3 Transfer Structures	2,685				1,377 29				133,182
	2.4 External Works	6,551		i		70			ĺ	2,714
	2.5 Automated Refuse Collection System	-				′′				6,621
	2.6 Other Separate Contracts (Incl. soft landscape)	278				3				281
3.0	Other Project Costs						,			
	3.1 Other Project Costs	3,150				33				3,183
			1							
Bud	get of Phase 4 (Budget no. 4 )						-			
	ected to Date of Tenders (B)	160.645				1.685		i		162,330
	Cost in terms of \$/m2 CFA) :-	10.520				10.337				102,330
CD 4	ND TOTAL = (A) to (B)	160.647	1.054.517		15105					
	Cost in terms of S/m2 CFA):-	160,645 10.520	1,084,536 6.922		154,36I 6.901	1,685		1,828		1,403,055
	Split % pro-rate on cost values) :-	11.45%	77,30%		11.00%	10.337 0.12%		1.441 0.13%		7.207
,- was	The second secon	F			11.0070	0.1476		U.1376 -		100.00%

SWD Funded Items						
ORSWB	RCHE					
m²	m²					
Cost in	(\$'000)					
m²	m² 3,217					
Cost in	(\$,000)					
	196 -					
	3,211					
	22,556 566					
	1,380					
	58					
	559					
	28,526 8.867					
	:					

/.....Cont'd

## ANALYSIS OF SITE DEVELOPMENT & CONSTRUCTION COST BUDGET NO. 4 (For Financial Viability Assessment Purpose)

PHASES 2 & 4

PROJECT : Redevelopment of Un Chau Estate Phases 2 & 4 PHDP Code :

### Legend for Cost Portions:

PRH - Public Rental Housing RCHE - Residential Care Home for the Elderly
HOS - Home Ownership Scheme UN - Unallocable
CC - Commercial (Shopping) Centre GN - Government Non-reimbursable
WEL - Welfare Facilities ORSWB - Out-reaching Social Work Base

#### Notes :

- (1) All prices are at June 00 price level and adjusted for tender price inflation to tender in dates of contracts based on 0 % per annum for period 6/00 to 12/00 and 6% from 01/01 onwards.
- (2) Special External Works cost comprises both foundation and building costs of those items classified as special external works included in building contract.
- (3) Apportionment of the Site Development and Construction Costs are in accordance with relevant DCMBI.
- (4) The entire construction & fitting-out costs for the SWD and HAD Businesses are presented in this budget as under separate funding, subject to the funding arrangement to be confirmed by
- (5) Development Contingencies are set at 2% for all standard blocks superstructure and 5% for all non-standard blocks and all standard block elements other than superstructure.
- (6) Other Project Costs (e.g. traffic and environmental studies, land surveying studies, site potential and other engineering studies, site investigation, geotechnical advisory services, construction material test, piling test carried out by direct testing contractor, etc.) are set at 2% on Site Development Costs, Construction Costs and Development Contingencies.

### Exclusions:

(1) Project Management Costs, e.g. professional services & overheads, consultant fees, etc.

### Basis of the Estimate:

Refer Summary Sheet of each Phase

Prepared by: Michael Ching (D.G.Jones & Partners)

Date: 4 September 2000

Béres) (29/6/3090)

## <u>Summary of Cost Apportionment of Commonly Shared Elements in Construction and Site Development Cost</u> <u>Budget No. 4</u>

	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6	Total
Total CFA (m2)		179,251	-	18,651	-	-	197,902
Total CFA excluding PWP items (m2)	-	-	-		-	- 1	
CFA of buildings/portions served by ARCS (m2)	-	•	-	-	-	-	-

COST ELEMENTS		Estimated Cost in \$,000 (excluding provisions for fluctuations)						
A Cost Items (incl. tender price inflation) expended under different phases before Cost Apportionment	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6		
1 Site Formation		-	-	_		_	_	
2 Demolition	-	10,937	_	1,138	-	-	12,075	
3 External Works		55,693	-	29,205	_	_	84,898	
4 Transfer Structures	-	29,318	_	5,486	-		34,804	
5 Automated Refuse Collection System	-			-	_	- 1	-	
6 Other Separate Contracts (incl. Softlandscape)	-	2,798	-	795	-	-	3,593	
Total :-		98,746		36,624	-	-	135,370	

B. Construction Cost Budget (Inc., tender price			<u> </u>			1	1
inflation) to respective Tender-in dates						ľ	
i Foundation	.	192,619	_	18,618	_	_	211,237
2 Building (excl. building services)	l .	750,202		122,596	_	l .	872,798
3 Building Services	l .	150,964	_	33,142	_	_	184,106
4 External Works for Specific Businesses			l <u>.</u>	35,1.5	_		] 104,100
5 Public Transport Interchange	-	_	l <u>-</u>	l -		l <u>-</u>	
6 Others (please specify)		-	-	-	-	_	-
Construction Cost Budget :-	-	1,093,785	-	174,356		-	1,268,141
(excl. commonly shared elements)							
C. Adjustment for Costs of Common Elements							
Apportioned to each Phases within the Whole	- 1	ļ					
Development Site	- 1	İ		ľ		1	
(see Note 1 and 2))				ľ		i	
1 Demolition		10,937	_	1,138	_	_	12,075
2 Site Formation				-	_		,
3 Transfer Structures		31,524	-	3,280	_	_	34,804
4 External Works for Commonly shared elements		76,897	_	8,001	_	1 _	84,898
5 Automated Refuse Collection System			_		_	i .	
6 Other Separate Contracts (incl. Softlandscape)	-	3,254	-	339	-	-	3,593
Total of Common Apportioned Elements:-		122,612	-	12,758		-	135,370
(Phase split in %)	0.00%	90.58%	0.00%	9.42%	0.00%	0.00%	100.00%
D. Total Cost Budget (incl. common elements							
apportioned across all phases within the		i I					
Whole Development Site)						,	
(Item D = Item B + Item C)	Į.						
1 Demolition		10,937	_	1,138	_	_	12,075
2 Site Formation	-	-	-	-	-	-	
3 Foundation		192,619	-	18,618	_		211,237
4 Building (excl. building services)	-	750,202	-	122,596	-	_	872,798
5 Building Services	١.	150,964	-	33,142	-	-	184,106
6 Transfer Structures	-	31,524	-	3,280	-	_	34,804
7 External Works		76,897	_	8,001	-	-	84,898
8 Public Transport Interchange	-	] [ ]	_	-	-	_	,
9 Automated Refuse Collection System			_	_	-		
10 Other Separate Contracts (incl. Soft landscape)	-	3,254	-	339	-	-	3,593
Total Cost Budget for Financial Viability:-	-	1,216,397	-	187,114	-	-	1,403,511
(excl. Provisions for Fluctuations)	1						

### Notes

<sup>(1)</sup> The costs of commonly shared items expended under each phase are identified from the Cost Budget of respective phases and the total cost apportioned across all phases of the same Development Site (in Item C above) pro-rate on CFA basis

### SUMMARY OF SITE DEVELOPMENT & CONSTRUCTION COST BUDGET NO. 4

PROJECT : Redevelopment of Un Chan Street Estate

PHASE: \_2 PHDP Code: \_\_\_\_

			COST FORTIONS Common items									
		PRH	HOS	cc	CP	WEL	PTI	UN	GN	TS	EW	Total
A of Cost Portions (m2)			156,674	-	22,367			210				179,251
COST ITEMS						Es	timated Cost	in \$,000				
Site Development & Construction Cost Budget At June 00												
(Excluding Other Project Costs & Tender Price Inflation)												
Site Development Costs     Site Formation Contract												
1.1 Site Formation Contract 1.2 Demolition Contract		1	9,559		1,365			13				10,937
419- Sudmistidistration discharite mean			""		1,505			"-				10,737
O Construction Costs										ľ	,	ľ
2.1 Foundation Contract			171,024		20,408			229		]	-,	191,661
2.2 Building Contract			1		·							ļ
2.21 Building (excl. building services)		1	622,681		97,388			1,279				721,348
2.22 Building Services 2.23 External Works for commonly shared elements		1	131,381		13,692			85		1		145,158
2.24 External Works for Specific Businesses			1 1							l	53,551	53,551
2.25 Automated Refuse Collection System												
2.26 Transfer Structures		1			i l					28,190		28,190
2.27 Public Transport Interchange		1			1							
2.3 Other Separate Contracts (incl. Sofitlandscape)											2,690	2,690
et Budget At June 99 Price Level	(	4)	934,645		132,853			1,606		28,190	56,241	1,153,53
Site Development & Construction Cost Budget At June 90 (incl. Tender Price Inflation)												
(Cost in Item (A) plus Cost x (v), (w), (y) or (z))						Ì						
	Contract		1									
0 Site Development Costs	Total (S'M)	1							i			
1.1 Site Formation Contract	-											
1.2 Demolition Contract	\$10.937	1	9,559	i	1,365			13	1	i e		10,937
0 Construction Costs		1						1		l		
2.1 Foundation Contract	\$192.619		171,879		20,510	'	İ	230		l	ŀ	192,619
2.2 Building Contract	\$986.177				1					1		
2.21 Building (excl. building services)	-		647,588		101,284			1,330				750,202
2.22 Building Services	152		136,636		14,240			88	!			150,964
2.23 External Works for commonly shared elements 2.24 External Works for Specific Businesses	. 65	1									55,693	55,693
2.25 Automated Refuse Collection System									1			1
2.26 Transfer Structures	E2	1								29,318		29,318
2.27 Public Transport Interchange					-							
2.3 Other Separate Contracts (incl. Softtlandscape)	\$2,798						<u></u>				2,798	2,798
	\$1,192.531				}							
Cost Budget Projected To Proposed Dates Of Tenders		В)	965,662		137,399			1,661		29,31B	58,491	1,192,53
ypes of Contract				Ten	der In Dates		Adjustment	for months	after Dec 00	1		
ite Formation					Ć.			Months x 6	%/12=	N/A		(v)
emolition				02/00			0	Months x 6		0.00000		(w)
oundation uilding & Footing ( for inflation adjustment, "External Works", "Ot	here" etc			01/01			1	Months x 6	76 / 12 =	0.00500		_(y)
mong a roomg ( or minimum adulation, excilin works , Or	Allera , Cit.,											

For the basis, exclusions and notes of this Cost Budget, please refer to information shown on Page 2.

### SUMMARY OF SITE DEVELOPMENT & CONSTRUCTION COST BUDGET NO. 4 (cont'd)

PROJECT: Redevelopment of Un Chau Street Estate PHASE: \_2\_ PHDP Code: \_\_\_\_\_

#### Legend for Cost Portions:

PRH	Public Rental Housing	CP		Private Car Carpark	TS	•	Transfer structure
HOS	Home Ownership Scheme	UN		Unallocable	EW		External Works
CC	Commercial (Shopping) Centre	PTI	-	Public Transport Interchange			
WEI	Welfare Englisher	Cal		Comment Non-ministration			

#### Notes :

- (1) All prices are at June 00 price level and adjusted for tender price inflation to tender in dates of contracts based on 0 % per annum for period from 06/00 to 12/00 and 6% per annum from 01/01 onwards.
- (2) Apportionment of the Construction Costs are in accordance with the existing cost apportionment guidelines set out in relevant DCMBL

### Inclusions:

#### Exclusions:

- (1) Project Management Costs, e.g. professional services & overheads, consultant fees, etc.
- (2) Development Contingencies.
- (3) Other Project Costs (e.g. traffic and environmental studies, land surveying studies, site potential and other engineering studies, site investigation, geotechnical advisory services, construction material test, piling test carried out by direct testing contractor, etc.) are set at 2% on Site Development Costs, Construction Costs and Development Costingencies.

#### Assumptions:

### Basis of the Budget :

(1) Project information included in the following documents: Noise Barrier design received from A/78 on 21/6/00 Phase 2 podium plans received from A/79 on 22/6/00 Plans and CFA diagrams received from A/78 on 22/6/00 CFA for typical floors received from A/78 on 26/6/00 Foundation information received from SE/63 on 26/6/00 Preliminary framing plans from SE/63 on 11/8/00 Steel ratio from SE/63 on 18/8/00.
B.S. estimate from SE8/C23 on 31/8/00

Prepared by: Michael Ching (D.G.Jones & Partners)

Date: 4 September 2000

Construction Cost Budget No.\_4\_ ( Integrated Domestic/Carpark Building: Domestic (HOS) Portion

Project: Redevelopment of Un Chau Street Estate Phase 2 (PHDP Code: \_\_\_\_)

Domestic Blocks:

4 No. New Harmany Blocks (Type 1, Option 4). 38 Storeys (2 No. of Blocks) and 39 storeys (2 No. of Blocks)

			Cost pe	e m2	
	Cost at June 00 Price Level	m2 CFA	Foundation (Incl Caps)	Building (Excl Caps)	TOTAL
1.0 (a)	Standard Blocks New Harmony Block (Type 1 Option 4)	156,674	466	4,100	4,566
	- 1 B Flat 604 - 2 B Flat 1,200 - 3 B Flat 596 - 2,400				
_			<	\$,000.00	<u> </u>
	Cost per Flat x Flat No. = Sub-Total (A) (Total CFA = 156,674 m2)		73,010	642,363	715,373
					(\$4,566/m2 CFA) (\$298,072 per flat)
2.0	Additional to the State 1.0. Alternative		<	\$,000.00	<del></del> >
(a) (b) (c) (d) (e)	Adjustments to Item 1.0 Above  Adjust for deep foundation Adjust for extra costs due to constaction of blocks on podia Adjust B.S. cost based on actual estimate on truncated bloc Adjust B.S. cost for provision of A/C units Adjust for temporary works for pile caps construction and pfor piling within MTR protective zone Add cost for fluctuation Add cost for mod features	85,469 - - - 4,500	60,813 12,452 12,240 - 3,765 2,200	85,469 60,813 12,452 12,240 4,500 3,765 2,200	
	Add cost for enlarged bay windows Add cost for thickened glass for 1,200 flats as noise mitigal Add cost for projecting architectural features	Add cost for thickened glass for 1,200 flats as noise mitigation measures Add cost for projecting architectural features Deduct construction cost of carcass to accommodate ancillary			1,796 1,320 153 -693
	Sub-Total (B)		89,870	based on	(\$1,175/m2 CFA) (\$76,673 per flat) over that calculated Standard Yardsticks
3.0	Non-standard Blocks		<	\$,000.00 	<u> </u>
	N/A				
	Sub-Total (C)		-	-	
4.0	Development Contingency		<	\$,000.00	
(a) (b)	All standard blocks superstructure only All non-standard blocks and all standard block elements of superstructure	ner than	- 8,144	12,847 4,707	12,847 12,851
	Sub-Total (D)		8,144	17,554	25,698 (\$164/m2 CFA) (\$10,708 per flat)
Г			<	\$,000.00	>
	Total Cost of Domestic Block - Home Ownership Schem Portion at June 00_ Price Level $= (A) + (B) + (C) + (D)$ (including Provisions for Contract Fluctuations)		171,024	754,062	925,086 (\$5,905/m2 CFA) (\$385,453 per flat)

## Construction Cost Budget No. 4 (Unallocable Portion)

PHASE 2

Project:

Redevelopment of Un Chau Street Estate

Phase 2 (PHDP Code: \_\_\_\_)

	Cost at June 00 Price Level		Cost per		
Cost at June <u>0</u>	O Price Level	CFA (m2)	Foundation (Incl. Caps)	Building (Excl Caps)	TOTAL
1.0 Ancillary/Welf (G/F)	are Facilities in Domestic Boock				
(a) Ancillary facilit	ies (no fitting out included)	210	470	2,830	3,300
		<del> </del>	<	\$'000	<u></u>
Cos	t per m2 CFA x m2 CFA		99	594	693
(b) Fitting Out for A	Ancillary/Welfare Facilities e fitted out = 210 m2 GFA)	210	0	587	587
2.0 Other Adjustm	ents for Item 1.0 Above				,
(a) Adjust for deep	foundation		119	0	119
	cost to domestic blocks on podium level		0	118	118
3.0 <u>Development C</u>	ontingency		11	65	76
			<	\$'000	
Price Level = '	nallocable Portion at June 00  Total of Items in 1.0 to 3.0  risions for Contract Fluctuations)		229	1,364	1,593 (\$7,586/m2 CFA)

### Remarks

L.	Unallocable Portion includes the fo	ollowing:	
	Management Office	150	m2 CFA
	Owner's Corporation Office	31	m2 CFA
	Cleansing Contractor's Office	15	m2 CFA
	Artisan Workshop	14	m2 CFA
	Total	210	m2 CFA

## Construction Cost Budget No. 4 (Carpark Portion)

PHASE 2

Project:

Redevelopment of Un Chau Street Estate

Phase 2 (PHDP Code: \_\_\_

**Building:** 

Carpark Podium (2 storeys)

		Estimated	l Cost	
Cost at June 00 Price Level	Space	Foundation	Building	TOTAL
	(No.)	(Incl.	(Excl.	
	` ´	Caps)	Caps)	
1.0 Estimated cost for Carpark under Podium of Domestic Buildings  (a) Carpark Portion  - Private - Motorcycle	600 50 650	19,436	92,750	112,186
(b) Building Services		¥	13,040	13,040
	<	_	\$,000.00	
Sub-total (A) :-		19,436	105,790	125,226
(Total CFA based on Actual Design = 22,367 m2) & Average CFA per carparking space = 36.73 m2)			1	(\$5,599/m2 CFA) (\$205,626/ space) 5% over that calculated on Standard Yardsticks
		<	\$,000.00	>
2.0 <u>Development Contingency</u>		972	5,290	6,262
Total Cost of Carpark Portion at June 00 Price Leve = (A) + Item 2.0 (including Provisions for Contract Fluctuations)	el	20,408	111,080	131,488 (\$5,879/m2 CFA) (\$215,908/ space)
3.0 Difference between Actual Design (Item 1.0 above) and Cost Yardsticks due to the following:		<	\$,000.00 	>
(a) Adjust for extra superstructure cost due to transfer plate blocks above (b) Adjust for deep foundation (c) Add cost for mechanical ventilation	of domestic	- 8,670	12,026 7,000	12,026 8,670 7,000
(d) Add cost for feature screen walls to enhance streetscape	and	8	2,750	2,750

### Remark:

1. The 50 No. of motorcycle carparking space is regarded as 9 No. of private carparking space

(e) Adjust for temporary works for pile caps construction and pre-boring

podium elevation design

(f) Adjust for efficiency ratio

for piling within MTR protective zone

1,404

-1,598

-14,342

1,404

-15,940

## Construction Cost Budget No. 4

(Transfer Structures - Commonly Shared Across Phases of the Development and Amongst Various HA Businesses)

Project: Redevelopment of Un Chau Street Estate PHASE 2 (PHDP Code: \_\_\_\_)

	Estimate	ed Cost	
Cost at June 00 Price Level	Building	Others	TOTAL
Transfer Plate based on Actual Design     Transfer structure for domestic blocks	26,848	\$,000.00	26,848
			25,0.0
		_	
Sub-Total (A)	26,848	-	26,848
	<	\$,000.00	·>
2.0 <u>Development Contingency</u>	1,342	(40)	1,342
Sub-Total (B)	1,342	-	1,342
	<	- \$,000.00	L
Total Cost of Commonly Shared Transfer Structures at June 00 Price Level = (A) +(B) (including Provisions for Contract Fluctuations)	28,190	0	28,190

PILASE 2

Project :

Redevelopment of Un Chau Street Estate Phase 2. (PHDP Code: \_\_\_\_)

Total CEA =

Total CEA=

GEA: CFA = 1: 9.01

Tot	al GEA ≃	19,904 m2	Total CFA=	179,251	_ m2	GEA: CFA = 1	: 9.01
_					Estimate	ed Cost	T
	Cost at June 00	Price Level			Foundation	Building	TOTAL
				Estimated Cost   Foundation   (Excl   (Incl   Caps)   Caps)   Caps)   Caps	1		
					Caps)	Caps)	28,980 13,415 4,240  46,635 (\$2,500/m2 CFA) (\$2,343/m2 GEA)  3,039 337 220 550 220  4,366 (\$24/m2 CFA) (\$219/m2 GEA)  2,550  (\$14/m2 CFA) (\$128/m2 GEA)  53,551 (\$2,590/m2 GEA)  TOTAL  2,562 128  2,690
					6	\$,000.00	·
1.0		s based Cost Yardstic	ks (incl. Contract Price		,		<b>1</b>
	Fluctuation)						
					1,22	20.000	
						1 '	
(b)	Cost at June 00 Price Level  External Works based Cost Yardsticks (incl. Contract Price		559	1 '			
(c)	Add for Contrac	t Fluctuation				4,240	4,240
			Sub-total (A)		0	46,635	46,635
					1		(\$260/m2 CFA)
	•				-		(\$2,343/m2 GEA)
					<b>(</b>	£ 000 00	
2.0	Special Externa	il Works based on Act	tual Design (incl. Contrac	t Price Fine	tration)	3,000.00	T
	Girciat Externa	I TOTAL	nai praign (inter Contrac		I		
(a)	Projected noise l	parrier				3,039	3,039
(b)	Apportioned cos	t of road works for Wi	ng Lung Street			l .	337
(c)	Add cost for glas	ss canopy					220
(d)							
(c)	Allow cost for rele	ocation of mini-bus layby	·		-	220	220
_							
		Sub	-total (B)		0	4,366	
					,		1 '
							(\$219/m2 GEA)
	<del></del>				ć	\$ 000 00	
3.0	Development C	ontingency			0	2,550	2,550
	<del></del>						
			O. S. W. and CO.		1 ,	2.550	2.552
			Sub-Total (C)		l "	2,330	2,330
					1	!	(\$14/m2 CFA)
						İ	
						<u> </u>	
	Total Cost of Co	ommonly Shared Eyte	ernal Works at June 00		l 0	53.551	53,551
			I MAN TO THE BE CHILD TO		`	,	,
			uctuations)				(\$299/m2 CFA)
	,						(\$2,690/m2 GEA)
	_	···				'	.'
					<	\$,000.00	<u>&gt;</u>
4.0		ted Refuse Collection	System at June 00				
	Price Level						
5.0	Development C	ontingency					
				-			
					i		
	(including prov	isions for Contract Fi	actuation)	:	<u> </u>	1	(\$ /m2 GEA)
					Estimate	d Cost	T
	Cost at June 00 I	rice Level					TOTAL
					Landscape	Others	***
e 11	0-4-500 - 0		-1 C.M1	A		\$,000.00 I	> I
o.V			cL-Softlandscaping Work	4)	1 422	1 130	2 562
	at June <u>00</u> Price	: TEAG!			1,423	1,139	2,302
7 A	Development C	ontingency			71	57	128
/ .V	Severohment C	ontingenty.			1 "	] "	""
			cl. Softlandscaping Work	4)	1,494	1,196	2,690
		: Level = Total of Iten isions for Contract Fl				1	(\$15/m2 CFA)
	THIS MOUNT PROV	IN TORTHOLF TOLERONS	CALAGRADONS I		-		

(including Provisions for Contract Fluctuations)

(\$135/m2 GEA)

Site Development Cost Budget No. 4

(Demolition)

PHASE 2

Project:

Redevelopment of Un Chau Street Estate

Phase 2 (PHDP Code: \_\_\_\_)

	Estimate	ed Cost	
Cost at June 00 Price Level	Demolition	Others	TOTAL
		(Relocation of gas kiosk)  \$,000.00	
	<		
1.0 Estimated Cost for Demolition			
230 Mateu Cost to Demonation			
			1
(a) Demolition of existing buildings	9,963	453	10,416
			1
Sub-Total (A)	9,963	453	10,416
			l .
	<	\$,000.00	>
		l .	
2.0 Development Contingency	498	23	521
			İ
~			
		1	<del>                                     </del>
Sub-Total (B)	498	23	521
, ´			
		0.000.65	<u> </u>
	<	\$,000.00 	> I
Total Cost of Demolition at June 00 Price Level	10,461	476	10,937
= (A) + (B)			
(including Provisions for Contract Fluctuations)			
<u> </u>		<u> </u>	<u> </u>

### SUMMARY OF SITE DEVELOPMENT & CONSTRUCTION COST BUDGET NO. 4

PHASE 4

PROJECT: Redevelopment of Un Chau Street Estate PHASE: 4 PHDP Code: COST PORTIONS Common Items PRH HOS CC CP WEL UN GN Others WEL. TS EW Total (ORSWB) (RCHE) CFA of Cost Portions (m2) 15.271 163 3.217 18,651 COST ITEMS Estimated Cost in \$.000 A. Site Development & Construction Cost Budget At June 00 (Excluding Other Project Costs & Tender Price Inflation) 1.0 Site Development Costs 1.1 Site Formation Contract 1.2 Demolition Contract 932 10 196 1.138 2.0 Construction Costs 2.1 Foundation Contract 15,168 162 3.195 2,770 21,295 2.2 Building Contract 2.21 Building (excl. building services) 97,577 1,193 19,111 117,881 2.22 Building Services 29.159 131 2,578 31.868 2.23 External Works for commonly shared elements 25,405 25,405 2.24 External Works for Specific Businesses 2.25 Automated Refuse Collection System 2.26 Transfer Structures 5,275 5,275 2.27 Public Transport Interchange 2.3 Other Separate Contracts (incl. Sofitlandscape) 764 764 Cost Budget At June 00 Price Level 142,836 1,496 25,080 5,275 28,939 203,626 B. Site Development & Construction Cost Budget At June 00 finci. Tender Price Inflation) ( Cost in Item (A) plus Cost x (v), (w), (y) or (z)) Contract I.0 Site Development Costs Total (S'M) 1.1 Site Formation Contract 1.2 Demolition Contract \$1,138 932 10 196 1,138 2.0 Construction Costs 2.1 Foundation Contract 15,244 163 3.211 2,784 21,402 2.2 Building Contract \$209,047 2.21 Building (excl. building services) 101,480 1.241 19,875 122,596 2.22 Building Services 30,325 136 2,681 33,142 2.23 External Works for commonly shared elements 26,421 26,421 2.24 External Works for Specific Businesses 2.25 Automated Refuse Collection System 2.26 Transfer Structures 5.486 5.486 2.27 Public Transport Interchange 2.3 Other Separate Contracts (Incl. Sofftlandscape) \$0.795 795 795 Cost Budget Projected To Proposed Dates Of Tenders \$210,980 (B) 147,981 1,550 25,963 0 5,486 30,000 210.980

Types of Contract	Tender In Dates	Adjustment for months after Dec 00
Site Formation	<u> </u>	Months x 6.0 % / 12 = (v)
Demolition .	02/00	0 Months x 6.0 % / 12 = 0.00000 (w)
Foundation	01/01	1 Months x 6.0 % / 12 = 0.00500 (y)
Building and piling ( for inflation adjustment, "External Works", "Others", etc.,		
Tender-In Dates to be taken the same as "Building")	08/01	8 Months x 6.0 % / 12 = 0.04000 (z)

For the basis, exclusions and notes of this Cost Budget, please refer to information shown on Page 2.

Phase 4

Transfer Structure External Works

SUMMARY OF CONSTRUCTION COST BUDGET NO. 4 (cont'd)									
PROJECT	: Redevelopment of Un Chau Street Estate PHASE ;	4 PHDP Code:							
HOS - Ho CC - Co CP - Ca  Notes : (1) All price	ublic Rental Housing ome Ownership Scheme ommercial (shopping) Centre	RCHE ORSWB UN GN to tender in dates of contracts based on g cost apportionment guidelines set out i	0 % per an n relevant	Residential Care Home for the Elderly Out-reaching Social Work Base Unallocable Government Non-reimbursable unum for period 06/00 to 12/00 and 6% per annum DCMB1.	TS EW a from 01/01 onwards.				
<u> Inclusions :</u>									
Exclusions:									
<ul><li>(2) Develope</li><li>(3) Other Proservices,</li></ul>	Anagement Costs, e.g. professional services & overheads, consulta- ment Contingencies.  joict Costs (e.g. traffic and environmental studies, land surveying at construction material test, piling test carried out by direct testing or ment Contingencies.	tudies, site potential and other engineeri	ng studies, elopment (	site investigation, geotechnical advisory Costs, Construction Costs and					
Assumptions :	i								
CFA diag Developm Foundation Prelimina Steel ration B.S. estin	udget 1 Iformation included in the following documents: grams from A/78 received on 23/6/00 nent site area from A/79 received on 27/6/00 on information received from SE/63 on 26/6/00 by framing plans from SE/63 on 11/8/00 o from SE/63 on 18/8/00 mate from BSE/C23 on 31/8/00 on for modification to existing Atrium Glazing in UCS3 from A/78	3 on 16/5/00							

Prepared by :	Michael Ching	(D.G.Jones & Partners)

Date: 4 September 2000

DQ\$2-F21

## Construction Cost Budget No. 4 ( Domestic Blocks: Public Rental Housing Portion)

Project: Redevelopment of Un Chau Street Estate Phase 4 (PHDP Code: \_\_\_\_)

			Cost pe		
	Cost at June 00 Price Level	CFA m2	Foundation (Incl Caps)	Building (Excl Caps)	TOTAL
	Estimated cost for Domestic Flats  Small Household Flats  - 1P/2P Flat Flat No. 331	15,271	946	7,080	8,026
	Cost per Flat x Flat No. = Sub-Total (A) (Total CFA = 15,271 m2)		14,446	108,119	122,565 (\$8,026/m2 CFA) (\$370,287 per flat)
$\vdash$			<	\$,000.00	>
(a) (b) (c) (d) (e)	2.0 Adjustments to Item 1.0 Above  (a) Adjust for extra costs due to construction of block on podium  (b) Add cost for window enclosure at corridors as per DCMBI No.  (c) Add cost for suspended ceiling at corridors as per DCMBI No.  (d) Add cost for noise barrier to small household flats  (e) Add cost for thickened glass for noise mitigation measure  (f) Add cost as per DCMBI No. DCB58/00 for revised Model Clie Brief for Small Households Development		**	5,198 4,178 2,729 243 147 87	5,198 4,178 2,729 243 147 87
⊢			<	\$,000.00	>
	Sub-Total (B)		0	12,582	12,582 (\$824/m2 CFA) (\$38,012 per flat)
H			<	\$,000.00	>
(a)	Development Contingency  All standard blocks superstructure only All non-standard blocks and all standard block elements of superstructure	her than	- 722	6,035	- 6,757
Γ	Sub-Total (C)		722	6,035	6,757
	Total Cost of Domestic Block - Public Rental Housing Portion at June 00 Price Level = (A) + (B) + (C)		15,168	126,736	141,904 (\$9.292/m2 CFA)
	(including Provisions for Contract Fluctuations)				(\$9,292/m2 CFA (\$428,713 per fla

			_		
P	HA	S	E	4	

## Construction Cost Budget No. 4 (Welfare Portion - Out-reaching Social Work Base)

Project: Redevelopment of Un Chau Street Estate Phase 4 (PHDP Code: \_\_\_\_)

			Cost per m2			
1	Cost at June <u>00</u> Price Level	CFA	Foundation	Building	TOTAL	
1		m2	(Incl	(Excl		
H			Caps)	Caps)		
1.0	Estimated Cost for Out-reaching Social Work Base				İ	
			1			
(a)	Ancillary/Welfare facilities - Out-reaching Social Work Base (no fitting out included)	163	946	5,572	6,518	
1	Dase (no mang out metaded)					
L					L	
	Cost non Flot w CEA		<	\$,000.00	>	
	Cost per Flat x CFA (Total CFA = 163 m2)		154	908	1,062	
					(\$6,515/m2 CFA)	
(b)	Add for fitting out cost of ancillary/welfare facilities			202	202	
	(total area to be fitted out = 163 m2 CFA)		ļ <del>-</del>	293	293	
	<u> </u>		1			
20	Adimeter and to The . 10 All	<del></del>	<	\$,000.00	>	
(a)	Adjustments to Item 1.0 Above Adjust for extra costs on podium and congested site			60	60	
ľ	, and the property and conference pro-		T)	00	00	
3.0	Development Contingency			63	g.	
	2010 Smell Contingency		8	63	71	
				(0)		
			l			
			ŀ			
			<	\$,000.00	<u> </u>	
	Total Cost of Welfare Portion - Out-reaching Social				1	
	Work Base at June <u>00</u> Price Level = Total of Items 1.0 (including Provisions for Contract Fluctuations)	to 3.0	162	1,324	1,486	
	Countact Lincingtons)				(\$9,117/m2 CFA)	
					(52,7211112 52717)	

	_	_	_	_	_
P	HA	۱s	E	4	

## Construction Cost Budget No. 4 (Welfare Portion - RCHE) (SWD Funded Item)

Project: Redevelopment of Un Chau Street Estate Phase 4 (PHDP Code: \_\_\_\_)

Building: Residential Care Home for the Elderly

Cost per m2					
	Cost at June 00 Price Level	CFA	Foundation	Building	TOTAL
		m2	(Incl	(Excl	
			Caps)	Caps)	
1.0	Estimated Cost for Residential Care Home for Elderly				
	·	2.017	046	6 115	7.061
(a)	Residential Care Home for Elderly	3,217	946	6,115	7,061
ı					
H			<	\$,000.00	>
-	Cost per Flat x CFA		3,043	19,672	22,715
1	(Total CFA = 3,217 m2)				(\$7,061/m2 CFA)
					(01,001.11.00.1.1)
10	Adjustments to Item 1.0 Above				
	Adjust for extra costs on podium and congested site		15	984	984
		,	,		•
3.0	Development Contingency		152	1,033	1,185
				,	Í
1					
1					- 55
1				·	
-			<	\$,000.00	<u> </u>
1	Total Cost of Welfare Portion - Residential Care Home f		2 105		24 694
	Elderly Portion at June 00 Price Level = Total of Items (including Provisions for Contract Fluctuations)	in 1.0 to 3.0	3,195	21,689	24,884
1	(incinding 1 10 Appings for Court act Linetnations)				(\$7,735/m2 CFA)

## Construction Cost Budget No. 4

(Transfer Structures - Commonly Shared Across Phases of the Development and Amongst Various HA Businesses)

Project: Redevelopment of Un Chau Street Estate PHASE 4 (PHDP Code: \_\_\_\_)

Estimated Cost					
Cost at June 00 Price Level					
In this you I thou hove	Building	Others	TOTAL		
		m 000 00			
10 The S. D. ( )	<	\$,000.00	1		
1.0 Transfer Plate based on Actual Design					
(a) Transfer structure for Small Household Domestic Block	5,024	-	5,024		
	1				
			1		
1					
	1				
	ı				
	1				
		1			
Sub-Total (A)	5,024	-	5,024		
			1		
	<u> </u>				
	K	\$,000.00	>		
2.0 <u>Development Contingency</u>	051				
22 Elopment Countingency	251	0 <b>%</b> 3	251		
l ·	· ·	1			
	1				
	1				
	4	-	•		
	1				
		1			
			ļ		
U.					
	1				
		ĺ	l		
Sub-Total (B)	251	-	251		
	1				
The state of the s	<	- \$,000.00	>		
Total Cost of Commonly Shared Transfer Structures	1				
at June 00 Price Level = $(A) + (B)$	5,275	0	5,275		
(including Provisions for Contract Fluctuations)					

Construction Cost Budget No. 4 (External Works - Commonly Shared Across Phases of the Development and Amongst Various HA Busiesses)

Project:	Redevelopment of U	n Chau Street Estate	Phase 4 (	PHDP Code:	)	
Total GEA =		Total CFA=	18,651	_m2	GEA: CFA ≈1:	3.26
Cont at lun	o 00 Price Level			Estimate Foundation	d Cost Building	

		Estimate		
	Cost at June 00 Price Level	Foundation (Excl Caps)	Building (Incl Caps)	TOTAL
1.0	External Works based Cost Yardsticks (incl. Contract Price Fluctuation)	¢	\$,000.00	····
<b>(b)</b>	Hard Landscape Works (Amenities) Underground Drainage Add for Contract Fluctuation	:	8,320 3,851 1,095	8,320 3,851 1,095
	Sub-total (A)	0	13,266	13,266 (\$711/m2 CFA) (\$2,322/m2 GEA)
2.0	Special External Works based on Actual Design (Incl. Contract Price Flu	← ← − − − − − − − − − − − − − − − − − −	\$,000.00	
(a) (b) (c) (d)	Ancillary structure at the entrance Apportioned cost of road works for Wing Lung Street	1,004	2,322 37 1,191 295 4,702 2,382	3,326 37 1,191 295 6,336 2,382
	Sub-total (B)	2,638	10,929	13,567 (\$727/m2 CFA) (\$2,374/m2 GEA)
_		<	\$,000.00	>
3.0	Development Contingency	132	1,210	1,342
	Sub-Total (C)	132	1,210	1,342 (\$72/m2 CFA) (\$235/m2 GEA)
	Total Cost of Commonly Shared External Works at June 00 Price Level = (A) + (B) + (C) (Including Provisions for Contract Fluctuations)	2,770	25,405	28,175 (\$1,511/m2 CFA) (\$4,931/m2 GEA)
4.0	Cost of Automated Refuse Collection System at June 00 Price Level	<	\$,000.00	
5.0	Development Contingency			
	Total Cost of Automated Refuse Collection System at June 00 Price Level = Total of Items 4.0 to 5.0 (including provisions for Contract Fluctuation)			(\$ /m2 CFA) (\$ /m2 GEA)

4.0	Cost of Automated Refuse Collection System at June 00 Price Level	<	\$,000.00	> '
5.0	Development Contingency	·		
Г	Total Cost of Automated Refuse Collection System at June 00 Price Level = Total of Items 4.0 to 5.0 (including provisions for Contract Fluctuation)			(\$ /m2 CFA) (\$ /m2 GEA)

	·-	Estimate	Estimated Cost		
	Cost at June 00 Price Level	Soft Landscape	Fees & Others	TOTAL	
		<	\$,000.00	>	
5.0	Cost of Other Separate Contracts (InclSoftlandscaping Work) at June_00_Price Level	404	324	728	
7.0	Development Contingency	20	16	36	
	Cost of Other Separate Contracts (Incl. Softlandscaping Work) at June 00 Price Level = Total of Items 6.0 to 7.0 (Including Provisions for Contract Fluctuations)	424	340	764 (\$41/m2 CFA) (\$134/m2 GEA	

Site Development Cost Budget No. 4

( Demolition )

PHASE 4

Project:

Redevelopment of Un Chau Street Estate

Phase 4 (PHDP Code: \_\_\_\_)

	Estimat	Estimated Cost		
Cost at June 00 Price Level	Demolition	Others (Relocation of gas kiosk)	TOTAL	
1.0 Estimated Cost for Demolition	<	\$,000.00	>	
(a) Demolition of existing buildings	1,037	47	1,084	
Sub-Total (A)	1,037	47	1,084	
	<	\$.000.00	>	
2.0 <u>Development Contingency</u>	52	2	54	
Sub-Total (B)	52	2	54	
	<	\$,000.00	>	
Total Cost of Demolition at June 00 Price Level = (A) + (B) (including Provisions for Contract Fluctuations)	1,089	49	1,138	

# B.S. Cost Estimation for Redevelopment of Un Chau Street Phases 2 & 4

## **Summary of Estimation**

	Phase 2	Phase 4					
Installations	Estimated Amount (\$)	Estimated Amount (\$)					
Electrical	81,230,000	14,099,000					
Lift	33,873,000	6,932,000					
Mechanical Ventilation	7,280,000	ě					
Fire Services & Water Pump	13,042,000	9,119,000					
Term Contract Air Conditioner	125,000	-					
Gas Water Heater (Welfare Premises)	7,000	-					
Gas Water Heater (HOS Flats)	1	=					
Subscription Television Network	3,000	12,000					
Security Alarm Installation	36,000	(2)					
Services Charge for Security and Doorphone Installation for EMSD	106,000	31,000					

Total:

135,702,001

30,193,000

## Note:

i) Estimate is as at June 2000 including contingency & provisional sum for fluctuation adjusted to tender-in date of main contract.

PART IV - DEVELOPMENT PROGRAMME

## DEVELOPMENT PROGRAM - UN CHAU STREET ESTATE PHASES 2 & 4

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### LEGEND :

- ♦ TENDER INVITATION
- ◆ TENDER AWARD

PHASE 2

ZZZZ PHASE 4