$\label{eq:Agreement No.CE 35/2012 (CE) Planning and Engineering Study for Housing Sites in Yuen Long South - Investigation$

Job No. 228228 Sheet No. Rev. Made by Date March-17 Checked

ESTIMATION OF Water Demand
Based on WSD's Departmental Instruction No. 1309 (DI1309)

Accommodation Type		Fresh Water	Salt Water	
Residential - Public Housing				
Population		53,100	53,100	
Unit flow factor (m3/person/day)		0.230	0.070	
Daily Flow, (m3/day)		12,213	3,717	
Residential - Private Housing (R1)				
Population		2,100	2,100	
Unit flow factor (m3/person/day)		0.230	0.070	
Daily Flow, (m3/day)		483	147	
2any 1 1011, (1116/4ay)		.00	1	
Residential - Private Housing (R2)				
Population		15,900	15,900	
Unit flow factor (m3/person/day)		0.300	0.070	
Daily Flow, (m3/day)		4,770	1,113	
Residential - Private Housing (R3)				
Population		14,400	14,400	
Unit flow factor (m ³ /person/day)		0.390	0.070	
Daily Flow, (m³/day)		5,616	1,008	
Daily Flow, (III /day)		0,010	1,000	
Residential - EDA				
Population		2,340	2,340	
Unit flow factor (m ³ /person/day)		0.300	0.070	
Daily Flow, (m ³ /day)		702	164	
		-	-	
Primary School				
No. of School		8	8	
No. of Student per school		765	765	
Total Student and Staff No.		6,624	6,624	
Unit flow factor (m ³ /person/day)		0.025	0.025	
Daily Flow, (m ³ /day)		166	166	
Storage and Workshop				
G.F.A. (ha)		38.3	38.3	
Population		1,636	1,636.0	
Unit flow factor (m³/employee/day)		0.13	0.050	EPD's guidelines
Daily Flow, (m ³ /day)		213	82	2. De galdolineo
Daily Flow, (III /day)		210	32	
G & IC				
G.F.A. (ha)		4.6	4.6	
Population		904	904	
Unit flow factor (m ³ /employee/day)		0.23	0.050	
Daily Flow, (m ³ /day)		208	45	
Irrigation*				
G.F.A. (ha)		38.0	_	
Unit flow factor (m³/ha/day)		50.00	_	Daily requirement of 10mm. Assuming
Daily Flow, (m ³ /day)		1,900	_	50% of area is landscape
		1,000		Total Caracoapo
Commercial Uses				
G.F.A. (ha)		5.5	5.5	
Population		7,640	7,640	
Unit flow factor (m³/employee/day)		0.23	0.050	EPD's guidelines
Daily Flow, (m³/day)		1,757	382	
Service Trades				
Population		85,500	-	
Unit flow factor (m³/person/day)		0.040	_	
Daily Flow, (m³/day)		3,420	_	
Daily Flow, (III /day)		5,720		
Total daily demand (m	n ³ /day)	30,745	6,660	
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 $[\]ensuremath{^{\star}}$ Include the irrigation demand for agricultural, district open space and local open space