

## **APPENDIX – 9-1**

Fill and Surplus Materials Forms

Fill and Surplus Materials Data Form

Project Title :		KCRC Kowloon Southern Link														
Contract Title :		Design Consultancy for Kowloon Southern Link (North Section)			Contract No. :		KDC200		Contract Start Date :		17/12/2002 Actual (delete as appro.)		Contract Completion Date		N/A Planned (delete as appro.)	
Current PWP Status:		RAE: approved N/A (delete as appro.)			PWP Project Code:		N/A		PWP Category A Approval Date:		N/A		PWP Category B Approval Date:		N/A	
Client Department:		N/A			Works Department :		N/A		Consultant :		Atkins China Ltd		Contractor :		N/A	
CALENDER YEAR		ANNUAL FILL REQUIREMENTS										OTHER MATERIALS ANNUAL REQUIREMENTS				
		General Fill			Special Rock Fill							Concrete		Asphalt		
		Marine Fill	Public Fill	PFA	Armour	Rock Fill (Grade 700 & below)	Road Sub-base	Pipe Bedding	Filter	Ballast	Others (Please Specify)	Above Grade 20	Grade 20 & below			
In-Situ Volume (Million m <sup>3</sup> ) (after construction) (to the nearest thousandths)																
Actual :-		1997														
		1998														
		1999														
		2000														
		2001														
		2002														
Estimate :-		2003														
		2004														
		2005														
		2006														
		2007														
		2008														
		2009														
		2010														
		2011														
		2012														
		2013														
Total Quantity:-																
FILL DETAILS																
Requirement Start Date (dd/mm/yyyy):-																
Requirement Finish Date (dd/mm/yyyy):-																
Materials Unit Weight (tonnes/m <sup>3</sup> ):-																
Fill Sources & Amount		Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount
Imported from Other Places Outside Hong Kong																
Local Marine Borrow Area																
Local Land Borrow Area																
Quarry Site																
Public Filling Area																
Project(s)																
Others (Please Specify) :																
Places of the Sources or Project Title(s) :-																
Fill Usage & Amount		Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount
Reclamation																
Seawall Foundation																
Surcharge																
Drainage Blanket																
Other Uses (Please Specify) :																
Remarks :-		No fill is required to be imported as suitable excavated materials will be used as backfill for KDB200 North (WKN Station)														



Fill and Surplus Materials Data Form

Project Title : KCRC Kowloon Southern Link		Contract No. : KDC300		Contract Start Date : 17/12/2002		Actual (delete as appro.)		Contract Completion Date : N/A		Planned (delete as appro.)				
Contract Title : Design Consultancy for Kowloon Southern Link (North Section)		PWP Project Code : N/A		PWP Category A Approval Date : N/A		PWP Category B Approval Date : N/A								
Current PWP Status : RAE: approved N/A (delete as appro.)		Works Department : N/A		Consultant : Atkins China Ltd		Contractor : N/A								
Client Department : N/A														
		ANNUAL FILL REQUIREMENTS									OTHER MATERIALS ANNUAL REQUIREMENTS			
		General Fill			Special Rock Fill						Concrete		Asphalt	
		Marine Fill	Public Fill	PFA	Armour	Rock Fill (Grade 700 & below)	Road Sub-base	Pipe Bedding	Filter	Ballast	Others (Please Specify)	Above Grade 20		Grade 20 & below
CALENDER YEAR		In-Situ Volume (Million m <sup>3</sup> ) (after construction) (to the nearest thousandths)												
Actual :-	1997													
	1998													
	1999													
	2000													
	2001													
	2002													
Estimate :-	2003													
	2004													
	2005													
	2006													
	2007													
	2008													
	2009													
	2010													
	2011													
	2012													
	2013													
Total Quantity:-														
FILL DETAILS														
Requirement Start Date (dd/mm/yyyy):-														
Requirement Finish Date (dd/mm/yyyy):-														
Materials Unit Weight (tonnes/m <sup>3</sup> ):-														
Fill Sources & Amount		Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount
Imported from Other Places Outside Hong Kong														
Local Marine Borrow Area														
Local Land Borrow Area														
Quarry Site														
Public Filling Area														
Project(s)														
Others (Please Specify) :														
Places of the Sources or Project Title(s) :-														
Fill Usage & Amount		Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount
Reclamation														
Seawall Foundation														
Surcharge														
Drainage Blanket														
Other Uses (Please Specify) :														
Remarks :-		No fill is required to be imported as suitable excavated materials will be used as backfill for Contract No. KOB300.												

Fill and Surplus Materials Data Form

CALENDAR YEAR	ANNUAL SURPLUS																											
	Soft Material		Rock												Broken Concrete		Broken Asphalt		Others (Please Specify)		#1 Dredged / Excavated Sediment							
	Total Generated	Surplus	Granite			Volcanics			Others (Please Specify) (e.g. Sedimentary Rock, Marble etc)	Total Generated	Surplus	Total Generated	Surplus	Total Generated	Surplus	Total Generated	Surplus	Total Generated	Surplus	Total Generated	Surplus	Type 1 Open Sea Disposal	Type 1 Open Sea Disposal (Dedicated Sites)	Type 2 Confined Marine Disposal	Type 3 Special Treatment / Disposal			
			Grade II or better	Grade III	Mixed Grades I, II & III	Grade II or better	Grade III	Mixed Grades I, II & III																				
Actual :-	In-Situ Volume (Million m <sup>3</sup> ) (before excavation) (to the nearest thousandths)																											
1997																												
1998																												
1999																												
2000																												
2001																												
2002																												
Estimate :-																												
2003																												
2004																												
2005	0.070	0.061																										
2006	0.196	0.078					0.002	0.002										0.006	0.006	0.003	0.003				0.034			
2007							0.000	0.000																				
2008																												
2009																												
2010																												
2011																												
2012																												
2013																												
Total Quantity:-	0.266	0.138					0.003	0.003										0.006	0.006	0.003	0.003				0.034			
<b>SURPLUS DETAILS</b>																												
Surplus Start Date (dd/mm/yyyy) :-	07/11/05						07/11/05										07/11/05		07/11/05				07/11/05					
Surplus Finish Date (dd/mm/yyyy) :-	11/06/06						11/06/06												11/06/06		11/06/06				11/06/06			
Materials Unit Weight (tonnes/m <sup>3</sup> ) :-	2.0						2.0												2.4		2.0				2.0			
Ways of Disposal & Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	
Exported to Other Places Outside Hong Kong																												
Mud Dumping Area																												
Landfill	0.001																								0.034			
Quarry Site																												
Public Filling Area	0.138							0.003										0.006	0.003									
Project(s)																												
Others (Please Specify) :																												
Places of the Disposal Areas or Project Title(s) :-																												
Usage of the Generated Materials within Own Site & Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	
Reclamation																												
Seawall Foundation																												
Surcharge																												
Drainage Blanket																												
Other Uses (Please Specify) : backfilling after tunnel construction	0.141																											
Remarks :-	Value of soft material surplus in 2006 takes into account 0.044Mm <sup>3</sup> required for backfill in 2007. Above details are for Kowloon Southern Link - Contract KDB300.																											
Notes :- #1 Based on laboratory test results [ Y/N (delete as appropriate) ] : Yes																												
Checked by (Project Engineer or above) :-	Name : Bruce Maney (Atkins China Ltd)	Post : Project Manager	Office : KCR Hung Hom Office	Phone No. : 2163-6198	Fax No. : 2334-5403	Email : bmaney@kcr.com	Date : 19/9/03																					
To be completed by MFC Secretariat :-	PID :	CID :	File No. : GCFM S/2/20-1E	Office : Fill Management Division	Contact Person : Geotechnical Engineer (GE/FR2)	Contact : Phone - 2762 5398	Email : get2_fm@ced.gov.hk																					

Fill and Surplus Materials Data Form

Project Title : KCR/Kowloon Southern Link		Contract No. : KDC200		Contract Start Date : 17/12/2002		Actual (delete as appro.)		Contract Completion Date		N/A		Planned (delete as appro.)	
Contract Title : Design Consultancy for Kowloon Southern Link (North Section)				PWP Project Code: N/A		PWP Category A Approval Date: N/A		PWP Category B Approval Date: N/A					
Current PWP Status: RAE: approved		N/A (delete as appro.)		Works Department : N/A		Consultant : Atkins China Ltd		Contractor :		N/A			
Client Department: N/A													
CALENDAR YEAR	ANNUAL FILL REQUIREMENTS										OTHER MATERIALS ANNUAL REQUIREMENTS		
	General Fill			Special Rock Fill							Concrete		Asphalt
	Marine Fill	Public Fill	PFA	Armour	Rock Fill (Grade 700 & below)	Road Sub-base	Pipe Bedding	Filter	Ballast	Others (Please Specify)	Above Grade 20	Grade 20 & below	
In-Situ Volume (Million m <sup>3</sup> ) (after construction) (to the nearest thousandths)													
Actual :-	1997												
	1998												
	1999												
	2000												
	2001												
	2002												
Estimate :-	2003												
	2004												
	2005												
	2006												
	2007												
	2008												
	2009												
	2010												
	2011												
	2012												
	2013												
Total Quantity:-													
<b>FILL DETAILS</b>													
Requirement Start Date (dd/mm/yyyy):-													
Requirement Finish Date (dd/mm/yyyy):-													
Materials Unit Weight (tonnes/m <sup>3</sup> ):-													
<b>Fill Sources &amp; Amount</b>	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount
Imported from Other Places Outside Hong Kong													
Local Marine Borrow Area													
Local Land Borrow Area													
Quarry Site													
Public Filling Area													
Project(s)													
Others (Please Specify) :													
Places of the Sources or Project Title(s) :-													
<b>Fill Usage &amp; Amount</b>	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount
Reclamation													
Seawall Foundation													
Surcharge													
Drainage Blanket													
Other Uses (Please Specify) :													
Remarks :-	No fill is required to be imported as suitable excavated materials will be used as backfill for Contract No. KDB400.												



Fill and Surplus Materials Data Form

CALENDER YEAR	ANNUAL SURPLUS														#1 Dredged / Excavated Sediment								
	Soft Material		Granite				Rock				Volcanics		Others		Broken Concrete		Broken Asphalt		Others (Please Specify) (CRD waste)		Type 1 Open Sea Disposal	Type 2 Confined Marine Disposal	Type 3 Special Treatment / Disposal
	Total Generated	Surplus	Total Generated	Surplus	Total Generated	Surplus	Total Generated	Surplus	Total Generated	Surplus	Total Generated	Surplus	Total Generated	Surplus	Total Generated	Surplus	Total Generated	Surplus	(Please Specify)	(Please Specify)	(Please Specify)	(Please Specify)	
	Grade II or better		Grade III		Mixed Grades I,II&III		Grade II or better		Grade III		Mixed Grades I,II&III		Others (Please Specify) (e.g. Sedimentary Rock, Marble etc)										
Actual :-	In-Situ Volume (Million m <sup>3</sup> ) (before excavation) (to the nearest thousandths)																						
1997																							
1998																							
1999																							
2000																							
2001																							
2002																							
Estimate :-																							
2003																							
2004																							
2005	0.117	0.063			0.102	0.100							0.001	0.001	0.001	0.001	0.003	0.018					
2006	0.087	0.071			0.075	0.075							0.001	0.001	0.001	0.001	0.003	0.010					
2007					0.001	0.001											0.001						
2008																							
2009																							
2010																							
2011																							
2012																							
2013																							
Total Quantity:-	0.204	0.134			0.177	0.176							0.002	0.002	0.002	0.002	0.007	0.028					
<b>SURPLUS DETAILS</b>																							
Surplus Start Date (dd/mm/yyyy) :-	01/10/2004				01/10/2004								01/10/2004		01/10/2004		01/10/2004		01/10/2004				
Surplus Finish Date (dd/mm/yyyy) :-	31/12/2007				31/12/2006								31/12/2006		31/12/2006		31/12/2007		31/12/2006				
Materials Unit Weight (tonnes/m <sup>3</sup> ) :-	1.9				2.6								2.4		2.0				2.0				
<b>Ways of Disposal &amp; Amount</b>	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	
Exported to Other Places Outside Hong Kong																							
Mud Dumping Area																							
Landfill																							
Quarry Site																							
Public Filling Area																							
Project(s)																							
Others (Please Specify) :																							
Places of the Disposal Areas or Project Title(s) :-																							
<b>Usage of the Generated Materials within Own Site &amp; Amount</b>	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount	
Reclamation																							
Seawall Foundation																							
Surcharge																							
Drainage Blanket																							
Other Uses (Please Specify) :- bedding / backfilling after tunnel construction	0.070				0.002																		
Remarks :-																							
Notes : #1 Based on laboratory test results [ Y (delete as appropriate) ]																							
Checked by (Project Engineer or above) :-	Name : Jeremy T. Hall (Maunsell Consultants Asia Ltd.)	Post : Project Manager	Office : KCR Hung Hom Office	Phone No. : 2163 6166	Fax No. : 2334 5406	Email : jhall@kcr.com.hk	Date : 14/01/2014																
To be completed by MPC Secretariat :-	PID :	CID :	File No. :	Office :	Contact Person :	Contact Phone :	Email :																

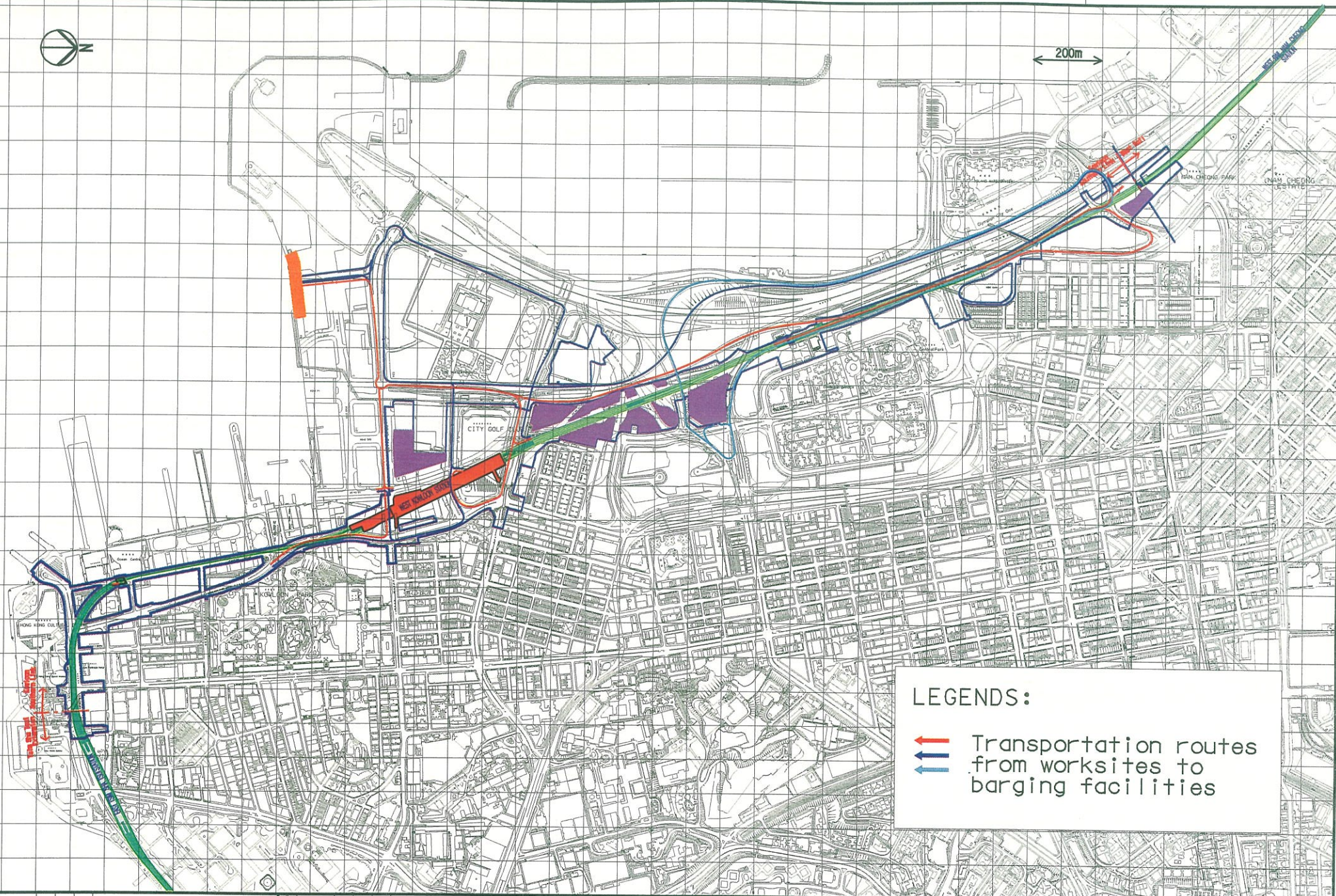


## **APPENDIX – 9-2**

Traffic Routes from Worksites to Barging Facilities



200m



**LEGENDS:**

- Transportation routes from worksites to barging facilities
- Transportation routes from worksites to barging facilities

FILENAME: G:\env\project\23273\drawings\3rd EIA-V8\Alignment & Engineering\Appendix 9-2.dgn  
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REV	DATE	BY	SUB	APP	DESCRIPTION

▲	DEC2003	SW	FC	ST	EIA REPORT
▲	NOV2003	SW	FC	ST	EIA REPORT
▲	JUNE2003	SW	FC	ST	EIA REPORT
▲	TMAR2003	SW	FC	ST	EIA REPORT (2ND DRAFT)
▲	11OCT2002	SW	FC	ST	EIA REPORT (1ST DRAFT)

DESIGNED BY	SW
DRAWN BY	JF
CHECKED BY	FC
IN CHARGE	ST
DATE	5 DEC 2003

**New Railway Projects**  
 新鐵路策劃  

 Ove Arup & Partners Hong Kong Limited

**KOWLOON SOUTHERN LINK KSL GSA-5100**  
**EIA & ASSOCIATED SERVICES**  
**TRAFFIC ROUTES FROM WORKSITES TO BARGING FACILITIES**

CAAD FILENAME	CAAD DATE
SCALE	5 DEC 2003
DRAWING NUMBER	1 : 10000 @ A3
<b>APPENDIX 9-2</b>	
SHEET NO	STAGE CODE REV
<b>1</b>	<b>P E</b>