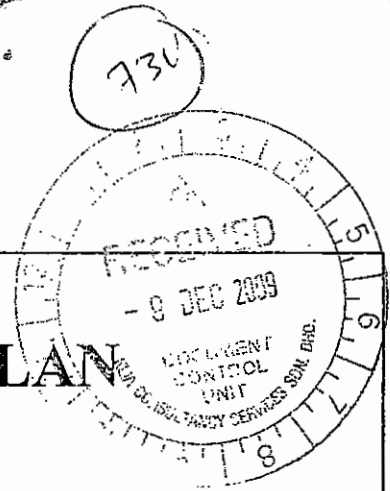




Traffic Management



PROJECT SAFETY PLAN

FOR

PROPOSED DEVELOPMENT OF NEW LCC TERMINAL AND ASSOCIATED WORKS AT

KL INTERNATIONAL AIRPORT, SEPANG, SELANGOR DARUL EHSAN

PACKAGE EW01 - SITE PREPARATION, EARTHWORKS AND MAIN DRAINAGE

Reply c1(c8)
(W367)
dated 22/12/09

additional
air side
requirements

	REVISION DESCRIPTION		Name / Signature
Revision No. (Refer to Revision Description)	Refer Project Safety Plan Master List	<u>Prepared by</u> Senior Project Manager	 Mr. Lim Swee Hock
		<u>Checked By</u> Assistant Manager - Safety & Health	 En. Abdul Rahim Senin
Effective Date 1 st December 2009		<u>Approved By</u> Project Director	 En. Mohd Roslan Sarip

WCT-PSP

REV : 0

WCT Berhad (66538-K) (formerly known as WCT Engineering Berhad)

No. 12, Jalan Majistret U1/26, Seksyen U1, HiCom-Glenmarie Industrial Park,
40150 Shah Alam, Selangor D.E., Malaysia.

Tel: +(603) 7805 2266 Fax: +(603) 7804 9877

Email: enquiries@wct.com.my www.wct.com.my



CERTIFIED TO ISO 9001:2000
CERT. NO.: AR 2274

CERTIFIED TO CH&S 18001:2007
CERT. NO.: SA 0256



CERTIFICATE



SIRIM QAS International Sdn. Bhd. hereby certifies that

WCT BERHAD
(INCLUDING WCT CONSTRUCTION SDN. BHD.)
NO. 12, JALAN MAJISTRET U1/26
SEKSYEN U1, LOT 44
HICOM-GLENMARIE INDUSTRIAL PARK
40150 SHAH ALAM
SELANGOR DARUL EHSAN
MALAYSIA



has implemented an Occupational Health and Safety Management Systems complying with

OHSAS 18001:2007

Occupational Health and Safety Management Systems - Requirements

Scope of Certification

PROVISION OF CONSTRUCTION SERVICES FOR BUILDING AND CIVIL ENGINEERING WORKS INCLUDING TURNKEY PROJECTS (EXCLUDING JV WORKS).



Original Certification Date : 12 August 2005

Issue Date : 14 August 2008

Expiry Date : 03 May 2010

Certification No. : SR 0256

Dato' Mariani Mohammad
Managing Director
SIRIM QAS International Sdn. Bhd.

Ir. Hj. Yahaya Ahmad
Chairman
SIRIM QAS International Sdn. Bhd.

SIRIM QAS International Sdn. Bhd.
(Company No. 410334-X)
1, Persiaran Dato' Menteri
Section 2, P. O. Box 7035
40911 Shah Alam
Selangor Darul Ehsan
MALAYSIA

Tel : 06-3-55446400
Fax : 60-3-55109439

<http://www.sirim-qas.com.my>
<http://www.malaysiancertified.com.my>

TABLE OF CONTENTS**NO DESCRIPTION****1.0 Policy**

- 1.1 Safety & Health Policy
- 1.2 Safety & Health Objective

2.0 Project Details

- 2.1 Project Description
- 2.2 Project Location
- 2.3 Project Site Layout Plan

3.0 Organisation and Responsibility

- 3.1 Project Organisation Chart
- 3.2 List of Key Site Personnel
- 3.3 List of Sub-contractors
- 3.4 Responsibility and Authority

4.0 Hazard Identification, Risk Assessment And Determining Control

- 4.1 Hazard Identification, Risk Assessment And Determining Control Procedure
- 4.2 Hazard Identification And Risk Assessment

5.0 Implementation

- 5.1 Procedures and Work Instructions
 - 5.1.1 Site Safety Induction ✓
 - 5.1.2 Tool box Meeting ✓
 - 5.1.3 Personal Protective Equipments ✓
 - 5.1.4 Safety And Health Committee ✓
 - 5.1.4.1 Safety And Health Committee Organisation Chart ✓
 - 5.1.5 Site Clearance ✓
 - 5.1.6 Excavation And Trenching ✓
 - 5.1.7 Heavy Lifting ✓
 - 5.1.8 Chemical Handling
 - 5.1.8.1 Register of Chemical Hazardous to Health ✓
 - 5.1.9 Electrical Safety ✓
 - 5.1.10 Welding And Cutting ✓
 - 5.1.11 Working At Height ✓
 - 5.1.12 Confined Space Entry ✓
 - ~~5.1.13 Radiography~~
 - 5.1.14 Dismantling Formwork ✓
 - 5.1.15 Guardrail and Barricade ✓
 - 5.1.16 Occupational Diseases ✓
 - 5.1.17 Piling Works ✓
 - 5.1.18 Pre-Task Planning ✓
 - 5.1.19 Lockout / Tagout ✓

5.2 Emergency Preparedness And Response**5.2.1 Emergency Preparedness and Response Procedure****5.2.1.1 Emergency Exit Route And Assembly Area****5.2.2 Emergency Response Team****5.2.2.1 Emergency Contact Persons And Telephone Numbers****5.2.2.2 List of First Aid Personnel****5.2.2.3 Location of Emergency First Aid Equipment****5.2.2.4 Location of Fire Extinguishers****5.2.3 Emergency Drills****6.0 Checking And Corrective Action****6.1 Incident Investigation And Reporting****6.2 Incident Register****6.3 Safety And Health Statistics****6.4 Site Safety And Health Inspection****6.5 Document And Data Control****7.0 Safety And Health Review****7.1 Safety and Health Review****8.0 Appendixes****8.1 Safety And Health Forms And Inspection Checklist****8.1.1 Safety Induction Record****8.1.2 Safety and Health Induction Attendance Record****8.1.3 Toolbox Talk Record****8.1.4 Safety and Health Toolbox Talk Attendance Record****8.1.5 Personal Protective Equipment (PPE) Record****8.1.6 Hazard Identification, Risk Assessment Form****8.1.7 Planned Site Safety Inspection Checklist****8.1.8 Crane Inspection Checklist for operator (entry)****8.1.9 Inspection Checklist for Mobile Crane (Crawler Crane)****8.1.10 Inspection Checklist for Mobile Crane (Truck Mounted)****8.1.11 Crane Operation Checklist (daily)****8.1.12 Sling Wire Monthly Inspection Report (lifting tackle)****8.1.13 Monthly Inspection Record for Earth Moving Equipment (material moving)****8.1.14 Monthly Inspection Record For Construction Vehicle****8.1.15 Generator Set Inspection Checklist****8.1.16 Air Compressors Inspection Checklist****8.1.17 Electrical Tools Inspection Checklist****8.1.18 Inspection Checklist for Scaffold Erection (Internal)****8.1.19 Checklist for Scaffolding****8.1.20 Inspection Checklist for Scaffold Dismantling (Internal & External)****8.1.21 Incident Report And Investigation Form****8.1.22 Monthly Safety Statistics Form****8.1.23 Confined Space Entry Log****8.1.24 Confined Space Entry Permit**

- /8.1.25 Hot Work Permit
- /8.1.26 Deep Trench Excavation Permit
- ~~/8.1.27 Radiation/Radiography~~
- 8.1.28 Dismantling Formwork Permit
- 8.1.29 Daily Workplace Safety ~~Audit~~ Checklist *for sup.*
- 8.1.30 ~~Plant Construction Safety~~ Piling Frame Inspection *Reg*
- X ~~8.1.31 Blasting Work Permit~~
- 8.1.32 Non-Conformance Report
- 8.1.33 Corrective and Preventive Action Request (CPAR)
- 8.1.34 Gas Cylinder Inspection Checklist - *Ref to FMR (Revised)*
- 8.1.35 Welding Generator Inspection Checklist
- 8.1.36 Electrical Tools Register *4 new Tools*
- 8.1.37 Pre-Task Planning Worksheet *Hand*

9.0 Reference

- 9.1 Safety And Health Manual *WCT*
- 9.2 Project Safety Plan Master List *h*

Appendix I

Organization Chart Of The ERT

Appendix II

Emergency Contact Persons And Telephone Numbers

Appendix III

Safety Drills & Critique

Appendix IV

Self-Assessment Checklist

Appendix V

Evacuation Map

Appendix VI

List of Safety Violation & Penalty

Appendix VII

Reward System for Best Worker and Best Project In Term of Safety and Health

1.0 POLICY

1.1 SAFETY & HEALTH POLICY

1.2 SAFETY & HEALTH OBJECTIVE

1.1 SAFETY & HEALTH POLICY



SAFETY & HEALTH POLICY

WCT Management philosophy towards safety and health is "SAFETY FIRST". We are committed to continual improvement and will comply with current applicable Occupational Safety & Health legislation and regulatory requirements.

Prevention of injury and ill health to all persons at our work place shall be our major responsibility.

We shall also ensure that appropriate plan are in place to deal with any possible emergency.

TAING KIM HWA
MANAGING DIRECTOR
20 JUNE 2008

WCT Berhad (66538-K) (formerly known as WCT Engineering Berhad)

No. 12, Jalan Majistret U1/26, Seksyen U1, Hicom-Glenmarie Industrial Park,
40150 Shah Alam, Selangor D.E., Malaysia.
Tel: +(603) 7805 2266 Fax: +(603) 7804 9877

Email: enquiries@wct.com.my www.wct.com.my



CERTIFIED TO ISO 9001:2000
CERT. NO.: AP 5274

CERTIFIED TO OHSAS 18001:2007
CERT. NO.: SR 0255

1.2 SAFETY & HEALTH OBJECTIVE



1.5 mil

SAFETY & HEALTH OBJECTIVE

To achieve an initial target five million man hours without Lost Time Injury (LTI).

WCT Berhad (66538-K) (formerly known as WCT Engineering Berhad)

No. 12, Jalan Majistret U1/26, Seksyen U1, HiCom-Glenmarie Industrial Park,
40150 Shah Alam, Selangor D.E., Malaysia.

Tel: +(603) 7805 2266 Fax: +(603) 7804 9877

Email: enquiries@wct.com.my www.wct.com.my



2.0 PROJECT DETAILS

2.1 PROJECT DESCRIPTION

2.2 PROJECT LOCATION

2.3 PROJECT SITE LAYOUT PLAN

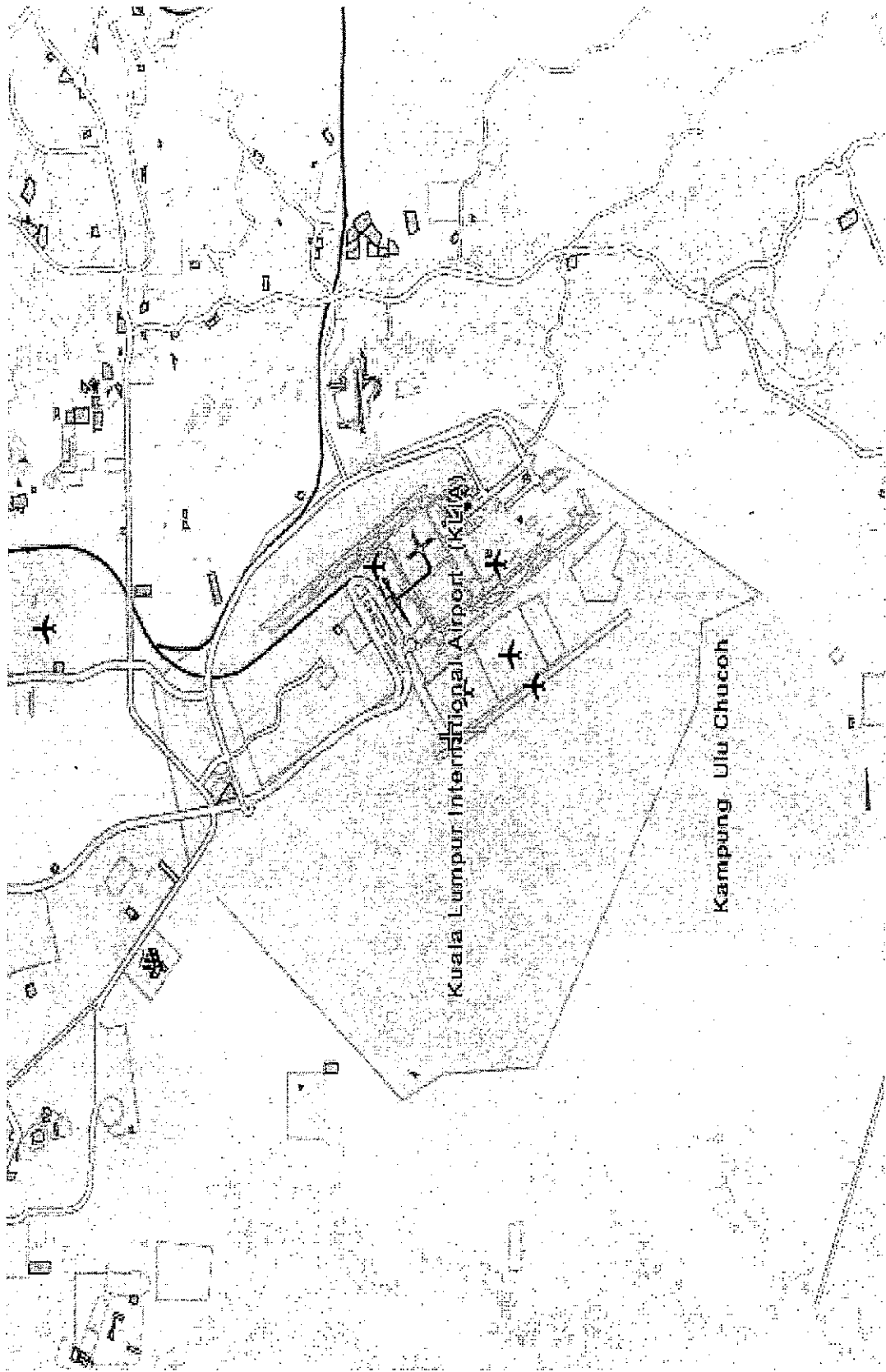
2.1 PROJECT DESCRIPTION

PROJECT DESCRIPTION

- **Project Title** : Proposed Development of New LCC Terminal and Associated Works at KL International Airport, Sepang, Selangor Darul Ehsan.
Package EW01 – Site Preparation, Earthworks and Main Drainage.
- **Scope of Works** : The scope of works comprises the following :-
 - a) Site Clearance
 - b) Excavation and Earthworks
 - c) Instrumentations
 - d) Turfing and Slope Protection
 - e) Prefabricated Vertical Drain and Surcharge
 - f) Drainage
- **Employer** : **MALAYSIA AIRPORTS HOLDINGS BERHAD**
Lapangan Terbang Sultan Abdul Aziz Shah,
47200 Subang,
Selangor Darul Ehsan.
- **Project Manager (PMC)** : **KLIA CONSULTANCY SERVICES SDN BHD**
Wisma KLIA Holdings,
No. 12, Jalan 6/7A, Seksyen 6,
43650 Bandar Baru Bangi,
Selangor.
- **Engineer** :
 - 1) **STRAITS CONSULTING ENGINEERS SDN BHD**
D-12-3, Plaza Glomac, 6,
Jalan SS 7/19, Kelana Jaya,
47304 Petaling Jaya,
Selangor Darul Ehsan.
 - 2) **RPM ENGINEERS SDN BHD**
34A, Jalan SS 21/39,
Damansara Utama,
47400 Petaling Jaya,
Selangor Darul Ehsan.
- **Quantity Surveyor** : **JURUKUR BAHAN ANTARA**
25 Pent, Jalan SS 15/8A,
47500 Subang Jaya,
Selangor Darul Ehsan.

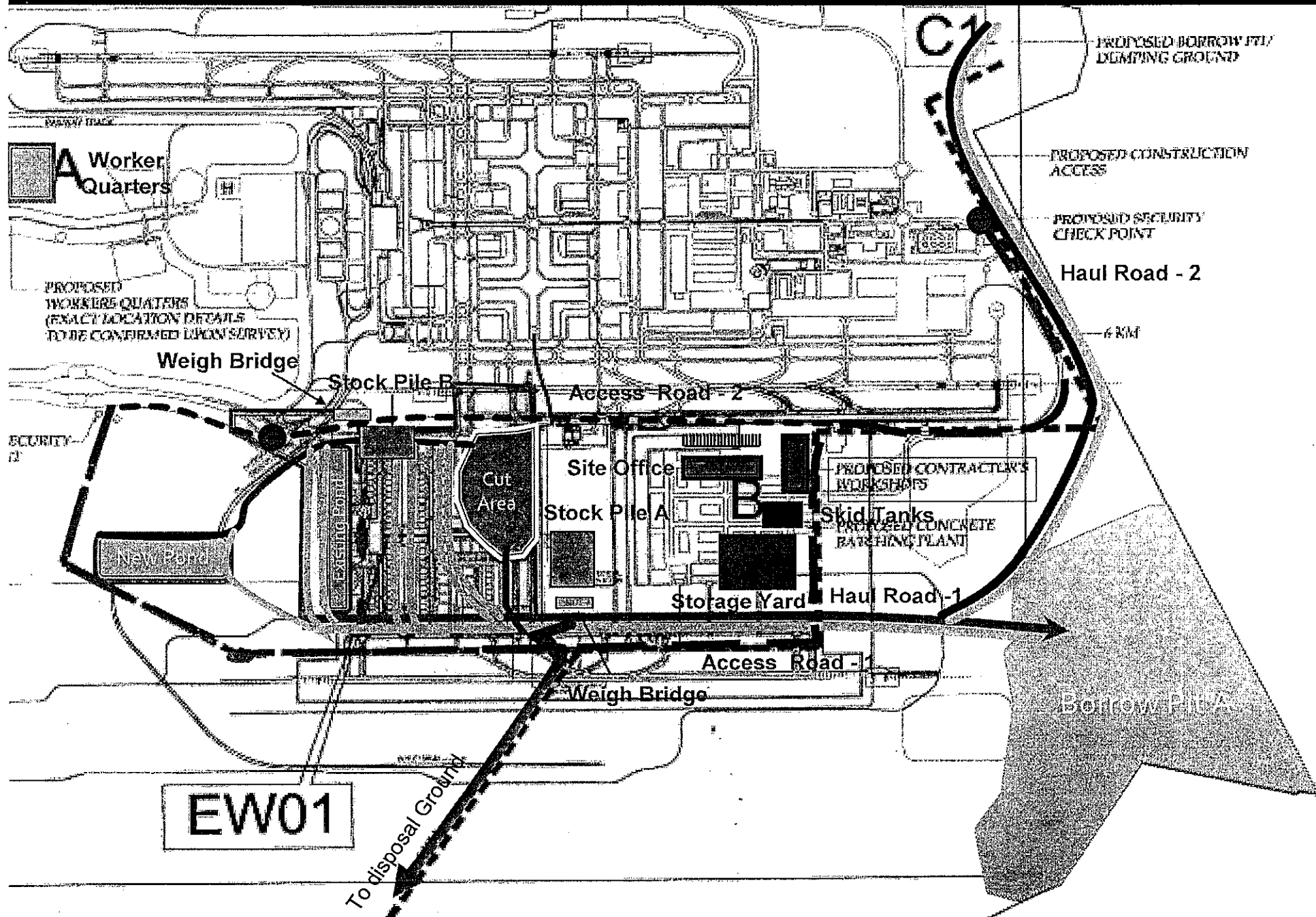
- **Contract Sum** : RM 363, 000, 000.00
- **Date of Site Possession** : 2nd January 2010
- **Completion Date** : 1st January 2011
- **Liquidated Damages for delay to the Works** : RM 69, 616.14 per calendar day
- **Defects Liability Period** : Twelve (12) months from Date of Substantial Completion as certified in the Certificate of Practical Completion for the whole of the Works.
- **Senior Project Manager : In-charge** : Mr. Lim Swee Hock
- **Contract Manager : In-charge** : Mr. Ooi Bok Thian
- **Project Director : In-charge** : En. Mohd. Roslan Sarip

2.2 PROJECT LOCATION



2.3 PROJECT SITE LAYOUT PLAN

Overall Logistic Layout



3.0 ORGANISATION AND RESPONSIBILITY

3.1 PROJECT ORGANISATION CHART

3.2 LIST OF KEY SITE PERSONNEL

3.3 LIST OF SUB-CONTRACTORS

3.4 RESPONSIBILITY AND AUTHORITY

PROPOSED DEVELOPMENT OF NEW LCC TERMINAL AND ASSOCIATED WORKS AT KL INTERNATIONAL AIRPORT, SEPANG, SELANGOR
WORK PACKAGE EW01 - SITE PREPARATION, EARTHWORK AND MAIN DRAINAGE

PROPOSED ORGANISATION CHART

