

# DEPARTMENT OF BUILDING SURVEYING FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING UNIVERSITI TEKNOLOGI MARA CAWANGAN PERAK KAMPUS SERI ISKANDAR

# CONSTRUCTION OF RETAINING WALL FOR RESIDENTIAL AT BUKIT MAHKOTA, BANGI

MUHAMMAD AKMAL BIN AZMAN (2014212322)
DIPLOMA IN BUILDING SURVEYING

PRACTICAL TRAINING REPORT DECEMBER 2016 – MARCH 2017

## BSR 360 INDUSTRIAL PRACTICAL TRAINING

DECLARATION:	
I hereby admit that this report is the result of my own e certain parts that are attached from sources that specified	
Prepared By:	
(MUHAMMAD AKMAL BIN AZMAN)	Date: 03/04/2017
Approved By:	
(SR NAZHATULZALKIS JAMALUDIN)	Date:

#### **ACKNOWLEDGEMENT**

# I SEEK PROTECTION IN ALLAH, FROM THE ACCURSED SATAN IN THE NAME OF ALLAH, THE BENEFICENT, THE MERCIFUL

Praise be to Allah, Lord of the worlds. Pease and blessings be upon Great Prophet Muhammad S.A.W, all his family, his companions and his descendants.

Alhamdulillah, during my practical training in firms T.J Civil and Structural Contractor Sdn. Bhd (TJCSC) in five months, I gained a lot of knowledge and I have learned a lot. My experience is very valuable addition to recognizing the many people involved in this field.

By this, I would like to thank Mr Md Nasir Bin Md Daud and Mr Aliff Mustaqim Bin Mohd Shah as surveyor and site engineer at TJCSC, I also were thankful and indebted to other staffs who helped me a lot and their services for sharing knowledge I will never forget.

Thanks also goes to my family members who often provide support and encouragement, especially my father Azman Bin Mohd Ali and also my mother Nurhaizan Binti Hussin and my other siblings.

iν

## BSR 360 INDUSTRIAL PRACTICAL TRAINING

### TABLE CONTENT

CONTENT		PAGES
TITLE		i-ii
STUDENT		
DECLARATION		iii
ACKNOWLEDG	SEMENT	iv
CONTENTS		v-vi
LIST OF		
TABLES		vii
LIST OF FIGUR	ES	viii
LIST OF APPEN	DICES	ix
ABSTRACT		X
CHAPTER 1	INTRODUCTION OF INDUSTRIAL TRAINING	
	1.1 INTRODUCTION	2
	1.2 COMPANY BACKGROUND	4
	1.2.1 MISSION OF TJSC	6
	1.2.2 BUSSINESS ACTIVITIES OF TJSC	7
	1.3 KEY PLAN, LOCATION MAP AND SITE MAP	8
	1.4 ORGANIZATION CHART	9
	1.5 PROJECT INFORMATION	
	1.5.1 PROJECT TITLE	10
	1.5.2 LIST OF CURRENT	
	PROJECT	11
CHAPTER 2	LITERATURE REVIEW	
	2.1 INTRODUCTION	31
	2.2 DEFINITION OF RETAINING WALL	31
	2.3 TYPES OF RETAINING WALL	
	2.3.1 GRAVITY RETAINING	
	WALL	34
	2.3.2 CANTILEVERED RETAINING WALL	35
	2.3.3 SHEET PILING RETAINING WALL	36
	2.3.4 BORED PILING RETAINING WALL	37

#### **ABSTRACT**

Practical Training (BS 360) is the main core subject for the Final Year Student of Diploma in Building Surveying, in UiTM Perak. This course was consisting of 8.0 credit hours, semester 6. Practical Training refers to experience that is relevant to professional development prior to graduation. One of the requirements for students of Diploma in Building Surveying to complete the program is the students must complete at least 14 weeks of Practical Training. It started on 1st Dec 2016 until 31th Mar 2017, which means it is 4 months doing the Practical Training. Student can have more knowledge the aspects of organizational management, technology, design, property, building economic and financing, law, communications, project planning and management and I have learnt many thing during practical training.

This practical training makes the student experience the real work situation at the company of their practical.