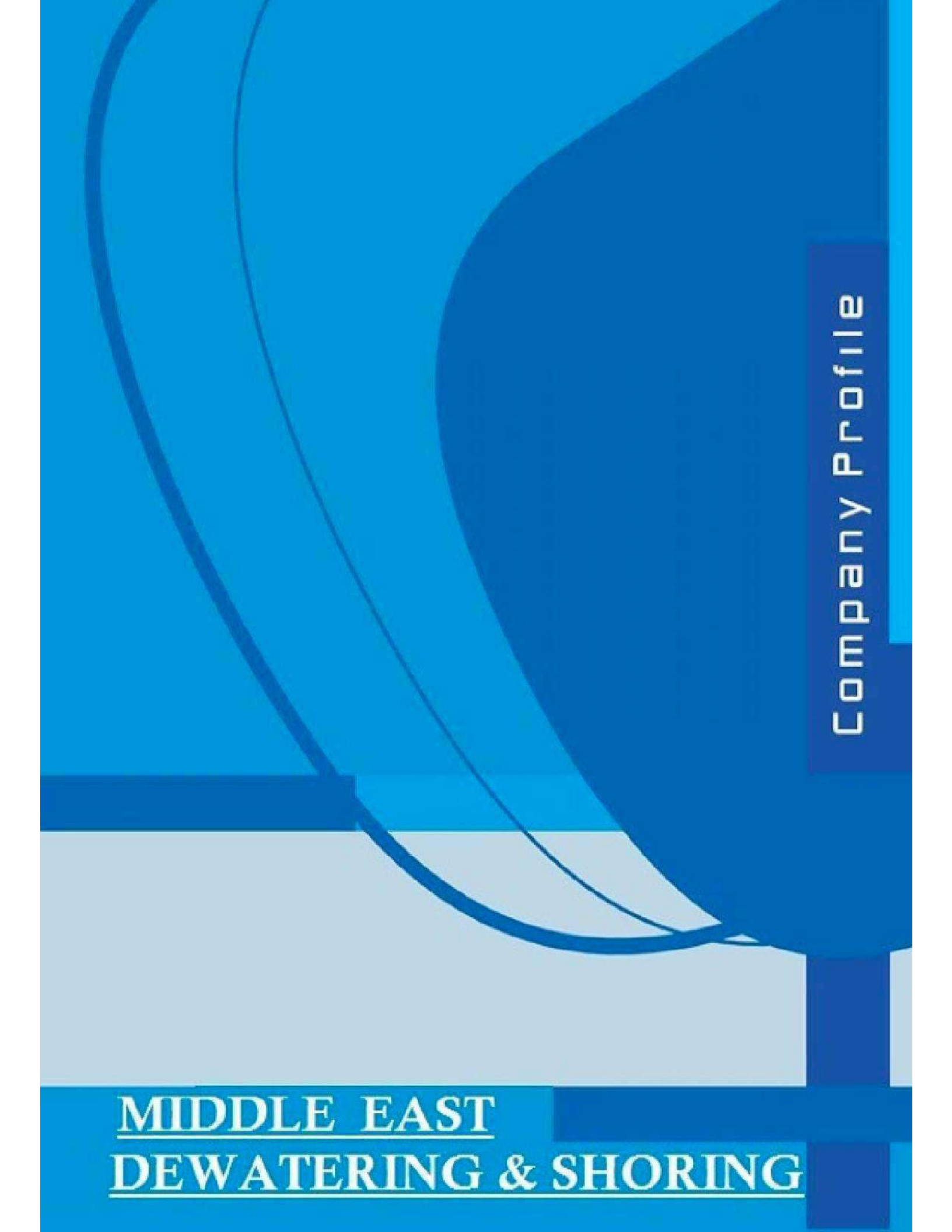


The background is a solid blue color. It features several large, overlapping, curved shapes in different shades of blue, creating a sense of depth and movement. A horizontal band of a lighter blue color runs across the middle of the page. The text 'Company Profile' is written vertically on the right side, and the company name is at the bottom.

Company Profile

MIDDLE EAST
DEWATERING & SHORING

INTRODUCTION :

We are one of the leading dewatering & shoring companies in the UAE.

Our company was established in 1996 in the Sharjah emirate then we expanded our activities to the rest of the UAE in 2004 and opened our Dubai branch.

In 2011 we started our shoring works in Sharjah and Ajman since then we successfully carried out numerous projects with high profile clients.

MED prides itself on providing a quality professional service catering to the construction of all our projects.

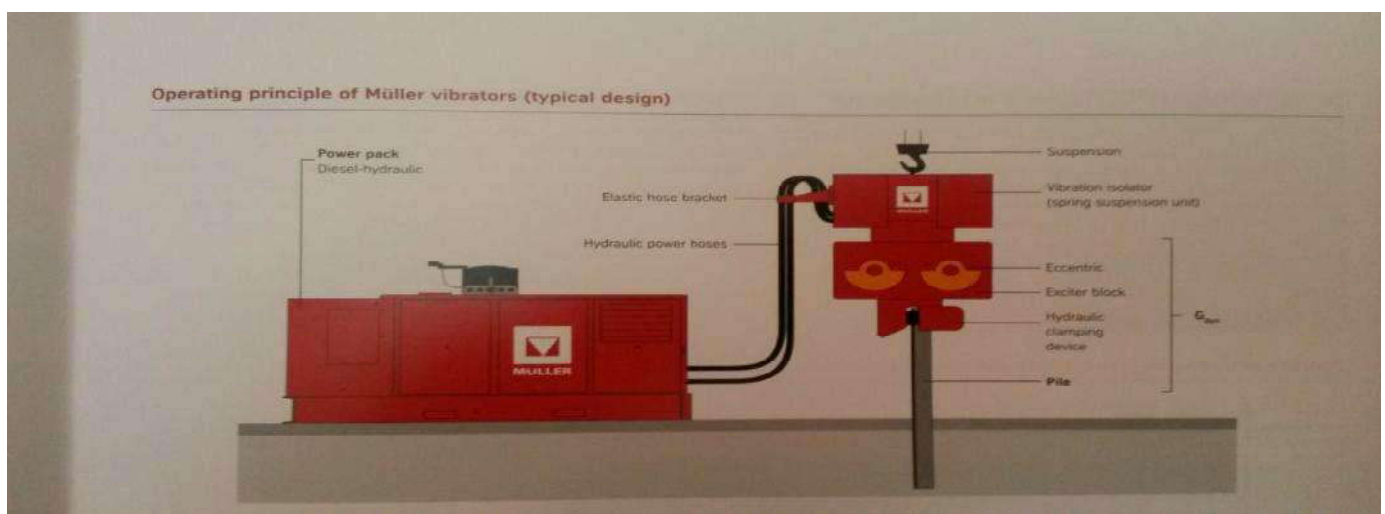
MED team uses the latest tech and our very long experience to complete the most difficult dewatering and shoring works with efficiency and considerable speed which gained us the reputation and legacy we are known of today.

THE MIDDLE EAST DEWATERING TEAM

SHORING

MACHINERY DETAILS:-

MED using Muller excavator-mounted vibrators for shoring. This machine is compact, lightweight and can easily attach excavators. The power comes from the on-board hydraulics and the units are controlled by the excavators control levers. Generally used for driving, extracting and compacting work. This machine is suitable for sheet piling and H-Beam piles. This machine can be used for vibration-sensitive projects, jobs in heavy soils. This machine also works with pile section picked up and set down directly with the clamp.











218280



رخصة تجارية Trading License



License Details تفاصيل الرخصة

Issue Date	23-03-1996	تاريخ الإصدار	License No.	218280	رقم الرخصة
Expiry Date	20-03-2027	تاريخ الإنتهاء	Registration No.	44889	رقم السجل
ميدل ايست لسحب المياه ذ.م.م					الاسم التجاري
Trade Name	MIDDLE EAST DEWATERING LLC				
Legal status	Limited Liability Company	شركة ذات مسؤولية محدودة			الشكل القانوني

License Members أطراف الرخصة

الحصص Shares	الصفة Type	رقم الهوية / الجواز ID \ Passport No	الجنسية Nationality	اسم المستثمر Investor Name	رقم المستثمر Investor No
50.0 %	شريك Partner	784195616579280	مصر Egypt	حسنى مصطفى عدلى سلطان HOSNY MOUSTAFA ADLY SULTAN	51277
49.0 %	شريك Partner	784196327916423	مصر Egypt	عليه شهدى احمد فرج ALIA SHOHDY AHMED FARAG	4997864
1.0 %	شريك Partner	784198986808214	مصر Egypt	محمود حسنى مصطفى سلطان MAHMOOD HOUSNI MUSTAFA SULTAN	4997865

حسنى مصطفى عدلى سلطان, حسنى مصطفى عدلى سلطان, عليه شهدى احمد فرج					المدير
مقاولات فئة سادسة, سحب المياه الجوفية					أنشطة الرخصة
الشارقة-الصجعة صناعية/الشارقة-شارع الذيد أرض مسورة ملك ماجد احمد عبدالله الشامسي					العنوان
coastmiddleeast@gmail.com		البريد	0506464745		الهاتف المتحرك:
		الموقع الإلكتروني:	الشارقة 23705		صندوق البريد:



1 / 3



تاريخ الطباعة / : Printing Date 18-05-2026
رقم المستخدم / : User Name 39838

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- يلزم استخراج تصريح عند إجراء أي عروض ترويجية.



طباعة شهادة عضوية الغرفة

Professional License / رخصة مهنية

Regular License - رخصة عادية

License No. 136971 رقم الرخصة



الإطلاع على الرخصة الاقتصادية

License Details		License Issue / إصدار رخصة		تفاصيل الرخصة	
Trade Name	COAST MIDDLE EAST FOR FOUNDATIONS EXCAVATION AND PROPS INSTALLATION (S.P.S - L.L.C)	الاسم التجاري كوست ميدل ايست لإعمال حفر الأساسات و تثبيت الركائز ودق الخوازيق (ذ.م.م - ش.ش.و)		الشكل القانوني ذ.م.م (شركة الشخص الواحد)	
Legal Form	L.L.C (SOLE PROPRIETORSHIP)	تاريخ الانتهاء 2027-01-21		تاريخ الإصدار 2026-01-22	
Expire Date	2027-01-21	رقم السجل التجاري 201840665		رقم الغرفة 212063	
Register No.	201840665	ACCI No.		212063	

ICP Card Establishment Data		بيانات بطاقة المنشأة لدى الهوية والجنسية	
Expiry Date.	تاريخ الانتهاء	Start Date	تاريخ البداية
Card Number 0		رقم بطاقة 0	

MOHRE Card Establishment Data		بيانات بطاقة المنشأة لدى الموارد البشرية والتوطين	
Approved Qouta	عدد الحصص الفورية	Card Number	رقم بطاقة
Expiry Date.	تاريخ الانتهاء	Start Date	تاريخ البداية

Role / الصفة	Passport / رقم الجواز	Nationality / الجنسية	Member Name / اسم صاحب التراخيص
مالك Owner - Proprietor	A40605421	مصر Egypt.Arab Republic of Egypt	حسنى مصطفى عدلى سلطان HOSNY MOUSTAFA ADLY SULTAN

Passport / رقم الجواز	Nationality / الجنسية	Manager Name / اسم المدير
A40605421	مصر Egypt.Arab Republic of Egypt	حسنى مصطفى عدلى سلطان HOSNY MOUSTAFA ADLY SULTAN

Activites	الانشطة
Foundations Excavation and Props Installation	إعمال حفر الأساسات و تثبيت الركائز ودق الخوازيق

صندوق البريد P.O. Box	تاريخ انتهاء عقد الإيجار Contract Expiry Date	اسم المؤجر / Lessor	العنوان / Address
	2026-12-21	- جيه انش كيه انفستمنتنس ليمتد	محل رقم 3، الجرف 2 Shop No. 3, Jurf 2

ملاحظات

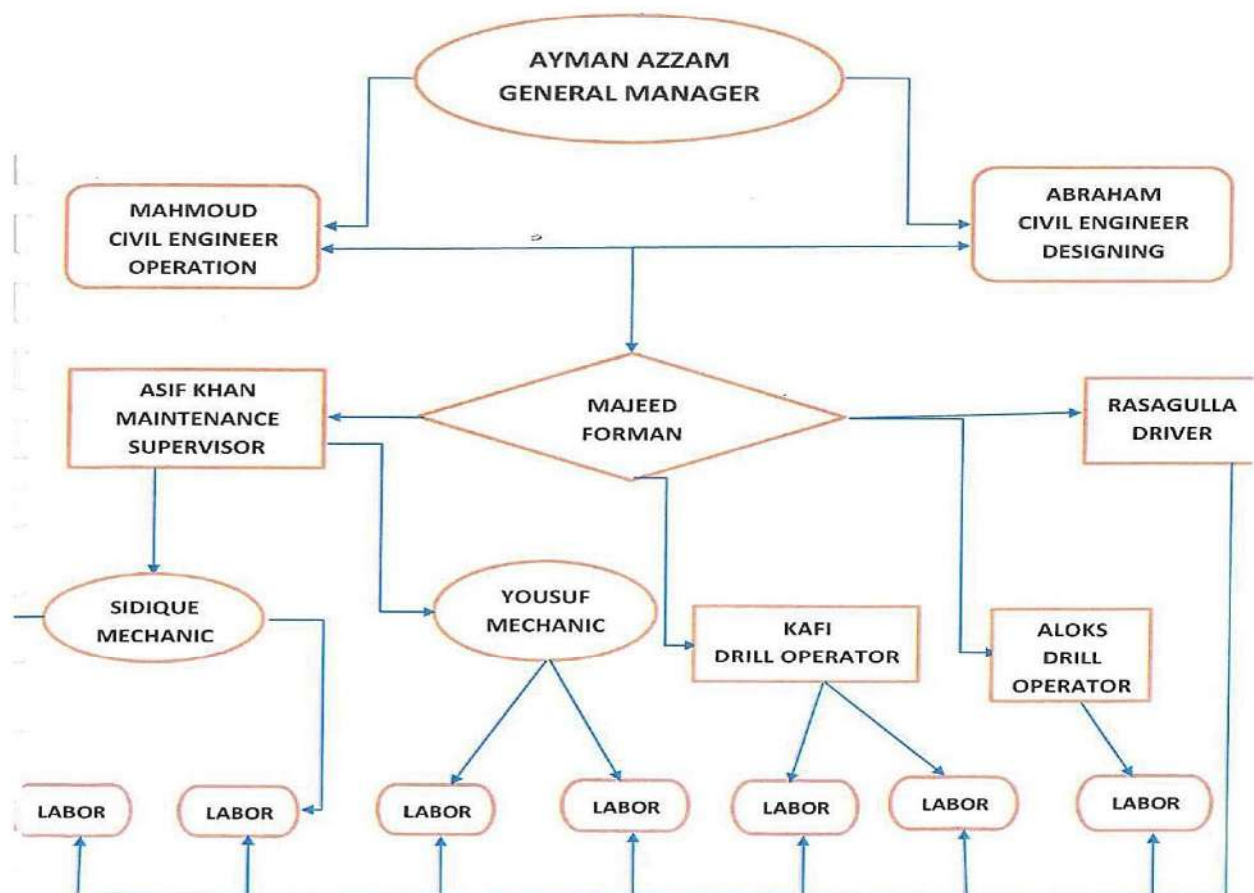
Emp No.	رقم الموظف	Voucher Date.	تاريخ الإيصال 2026-01-22	Voucher No. 0	رقم الإيصال 0
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Print Date 2026-01-22 تاريخ الطباعة

وثيقة الكترونية معتمدة وصادرة بدون توقيع من دائرة التنمية الاقتصادية - عجمان. لمراجعة صحة البيانات الواردة في الرخصة يمكنك مسح الباركود
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OUR ORGANZATION :

COMPANY ORGANIZATION CHART



LIST OF WORKERS

NAME	JOB
AYMAN ALI ELSAYED	PROJECTS MANGER
MAHMOOD HOUSNI	PROJECTS ENGINEER
ABDUL MAJEED RASOOL	GENERAL FOREMAN
YOUSEF KHAN	MAIN MECHANIC
ABDUL BAREK MOHAMMED	ORDINARY LABOURER
RAYZULLAH NASIRI	DRILL OPERATOR
ASIF SO GHANAM	MECHANIC
AJMAL SO NOOR	MECHANIC
MD ABUL KASHAM	ORDINARY LABOURER
ALOKS BISWAS	DRILL OPERATEOR
ANOWAR HOSSAIN	ORDINARY LABOURER
SIBGHAT ULLAH SHAH	HEAVY VEHC. DRIVER
MEZAN CHARU	ORDINARY LABOURER
KAFI PAIKAR	DRILL OPERATOR
AHMED SALAH	FILLING CLERK

MIDDLE EAST DEWATERING WORK DONE & YEAR

SARCO CONT. CO.	SHARJAH— COUNSULTANT	G+4+13	ALMAJAZ/SHARJAH	2023
SARCO CONT. CO.	MAZAYA— COUNSULTANT	G+5+15	AL KHAN/SHARJAH	2023
VENUS CONT. CO.	INVESTMENT— COUNSULTANT	G BUILDING	AL MAJAZ 2/SHARJAH	2023
TAWAZUN CONT. CO.	ARCHCORP— COUNSULTANT	SHOWROOM	SOUQ AL HARAJ/SHARJAH	2023
TAWAZUN CONT. CO.	SEWA— COUNSULTANT	SEWA SUBSTATION	REHMINYA/SHARJ AH	2023
AL SERAH AL KABEER CONT. CO.	MAZAYA— COUNSULTANT	G+4P+14	AL MAHATTA/SHARJA H	2024
FLAMINGO CONT. CO.	INVESTMENT — COUNSULTANT	G+1 VILLA	AL SUYOOH/SHARJAH	2024
ABDUL AZIZ AL MAJED CONT. CO.	CANDIAN— COUNSULTANT	G+5P+19	AL KHAN/SHARJAH	2024
AL SERAH AL KABEER CONT. CO.	AL ALM— COUNSULTANT	G+5P+15	AL KHAN AL TAWWON/SHARJA H	2024
DANWAY CONT. CO.	EDF— COUNSULTANT	UMM AL QUAIN INDUSTRIAL EWA HQ	UMM AL QUIAN	2024
ABINYA CONT. CO.	SHARJAH— COUNSULTANT	G SHEDS	INDUST. AREA 6/SHARJAH	2024
AL SERAH AL KABEER CONT. CO.	SHARJAH— COUNSULTANT	G+5	MUWILLAH /SHARJAH	2024
TOHAMA CONT. CO.	ENMAA— COUNSULTANT	G+3	MUWILLAH/SHARJ AH	2024
AL JAZEERA CONT. CO.	AL MUKAB AL FUDHI— COUNSULTANT	G+5P+15	AL KAHN AL TAWOON/SHARJAH	2024
AL SERAH CONT. CO.	MAZAYA— COUNSULTANT	G+4P+14	AL MAHATTA/SHARJA H	2024
DANWAY CONT. CO.	EDF— COUNSULTANT	IMPOWER STATION	DUBAI	2024
SYRIAN ITALIAN CONT. CO.	INVESTMENT— COUNSULTANT	G+5	MUWILLAH/SHARJ AH	2024

MIDDLE EAST DEWATERING WORK DONE & YEAR

AL JAZEERA CONT. CO.	AL BAIT— COUNSULTANT	G+5P+15	AL QASIMIA/SHARJAH	2024
AL JAZEERA CONT. CO.	MAZAYA— COUNSULTANT	B+G+5	MUWILLAH/SHARJAH	2024
ARABIAN EUROPEAN CONT. CO.	ROWAAD AL TASMEEM— COUNSULTANT	B+G+1 VILLA	AL ZAHIA/SHARJAH	2024
SYRIAN ITALIAN CONT. CO.	AL AMARA AL ARABIA— COUNSULTANT	G+1 VILLA	JURANIA/SHARJAH	2024
SONDOS CONT. CO.	ENMAA— COUNSULTANT	B+G+1	SAJAA/SHARJAH	2024
AL SERAH CONT. CO.	LACECO— COUNSULTANT	TOWER A & B PLOT 5 & 6	MARYAM ISLAND/SHARJAH	2024
BAZALT CONT.	SMART VISION CONSULTANT	VILLA + SERVICE B. + BW	RAHMINYA / SHARJAH	2024
BAZALT CONT.	ENMMA CONSULTANT	G+4	TILAL/ SHARJAH	2024
AL SERAH CO.	SHARJAH CONSULTANT	G+1	AL DAHID/SHARJAH	2024
NEJMAT AL SARQ CONT.	ORICID CONSULTANT	B+G+M+1	INDUSTRIAL 4/SHARJAH	2024
DPW	QHC CONSULTANT	VIS SCHOOL	KALBA/SHARJAH	2024
NEJMAT AL SARQ CONT.	AL ALM CONSULTANT	G+4	MUWILLAH/SHARJAH	2024
NEJMAT AL SARQ CONT.	DIEMENSIONS CONSULTANT	G+1 VILLA	AL ZORAH/AJMAN	2025
ABINYA CONT.	ENMMA	B+G+M+1	INDUSTRIAL 18/SHARJAH	2025
AL MAYAR AL DAHBI CONT.	AFAQ AL MUSTAQBAL CONSULTANT	BLOCK+BW	INDUSTRIAL 4/SHARJAH	2025
AL JAZEERA CONT.	CUBIC CONSULTANT	2B+G+6	MUWILLAH/SHARJAH	2025
AL MARAFQ CONT.	ARCHCORE CONSULTANT	B+G+1 VILLA	AL ZAHIA/SHARJAH	2025
BAWBAT AL KALIJ CONT.	SHARJAH CONSULTANT	G+4	MUWILLAH	2025
AL JAZEERA CONT. CO.	AL BAIT— COUNSULTANT	G+5P+15	AL QASIMIA/SHARJAH	2025

MIDDLE EAST DEWATERING WORK DONE & YEAR

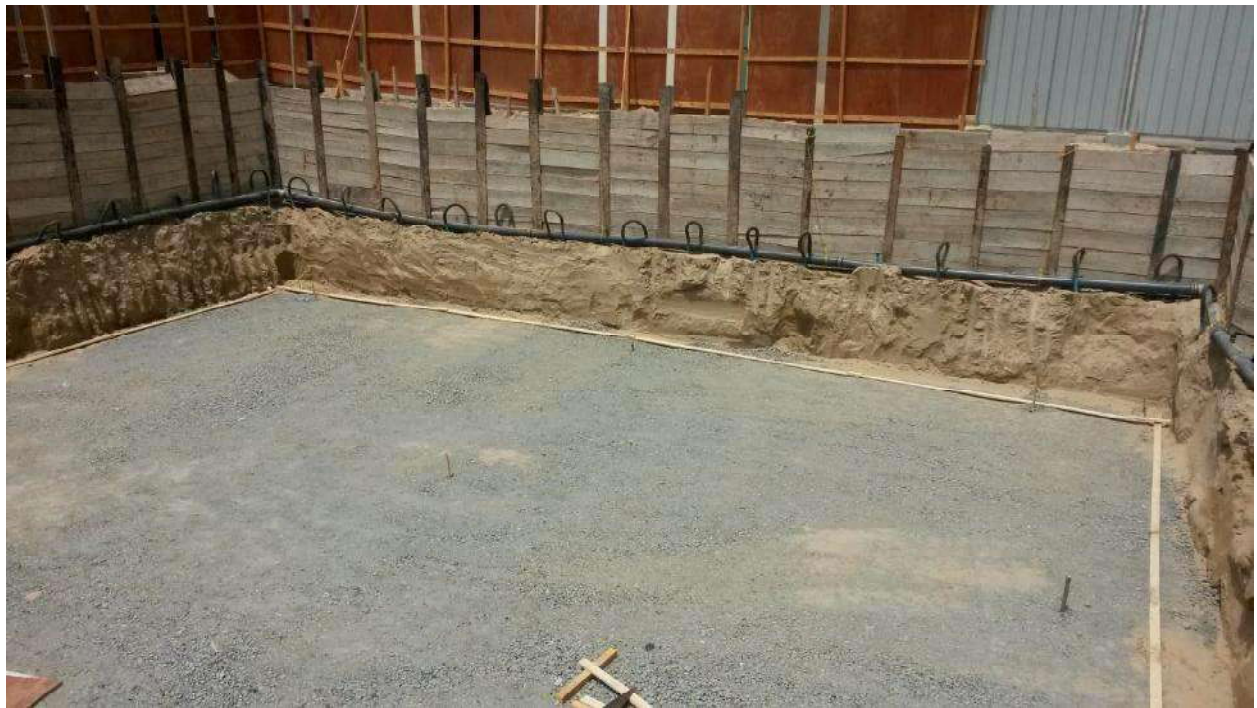
SEVEN STARS CONT.	INTERNATIONAL CONSULTANT	G+5	MUWILLAH/SHARJAH	2025
AL SAUD CONT.	AL ALM CONSULTANT	G+5P+15TYP	AL TAWOON/SHARJAH	2025
AL SERAH CONT.	ROWAD AL TASMEEM CONSULTANT	G+2P+10TYP (1)	AL SHAWHEEN/SHARJAH	2025
AL SERAH CONT.	ROWAD AL TASMEEM CONSULTANT	G+2P+10TYP (2)	AL SHAWHEEN/SHARJAH	2025
BAWBAT AL KALIJ CONT.	AL ALM CONSULTANT	G+4	MUWILLAH/SHARJAH	2025
AL SERAH CONT.	AL ALM CONSULTANT	G+5	AL KHAN/SHARJAH	2025
AL SERAH CONT.	SHARJAH CONSULTANT	G+4	TILAL/SHARJAH	2025
AL JAZEERA CONT.	CUBIC CONSULTANT	G+2P+11TYP	BUTINA/SHARJAH	2025
AL RUKN CONT.	INTERNATIONAL CONSULTANT	G+3	TILAL/SHARJAH	2025
AL RUKN CONT.	INTERNATIONAL CONSULTANT	G+4	TILAL/SHARJAH	2025
AL RUKN CONT.	AL NAHDA CONSULTANT	G+2P+5	MUWILLAH/SHARJAH	2025
AL SERAH CONT.	ADNAN SAFARANII CONSULTANT	PLO7	MARYAM ISLAND/SHARJAH	2025
AL SERAH CONT.	CUBIC CONSULTANT	B+G+5P+48TYP	AL MAMZAR/SHARJAH	2025
AL SERAH CONT.	MASAR DEVELOPMENTS	MOSAQ	TILAL/SHARJAH	2025
BELRASEED CONT.	AL ROYA AL MOTKAMLA CONSULTANT	G+2P+8	AL MAJAZ3/SHARJAH	2025
LOYAL CONT.	SEWA	SUBSTATION	MARYAM ISLAND/SHARJAH	2025
STROMAK CONT.	ARTIUM CONSULTANT	B+G+7P+40	AL KHAN/SHARJAH	2025

MIDDLE EAST DEWATERING WORK DONE & YEAR

[illegible]

SITE WORK PHOTOS IN DIFFERENT STAGES:-









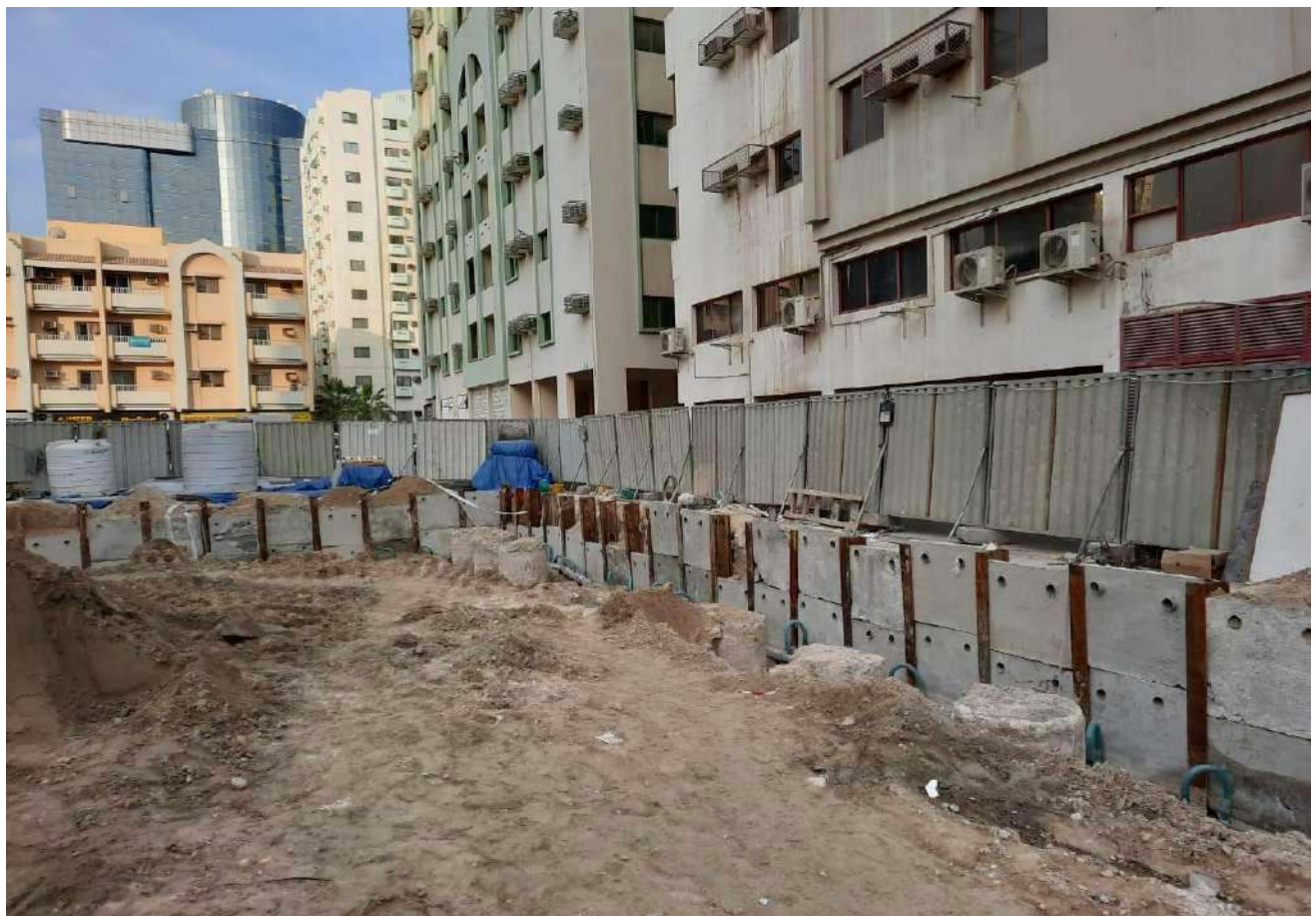


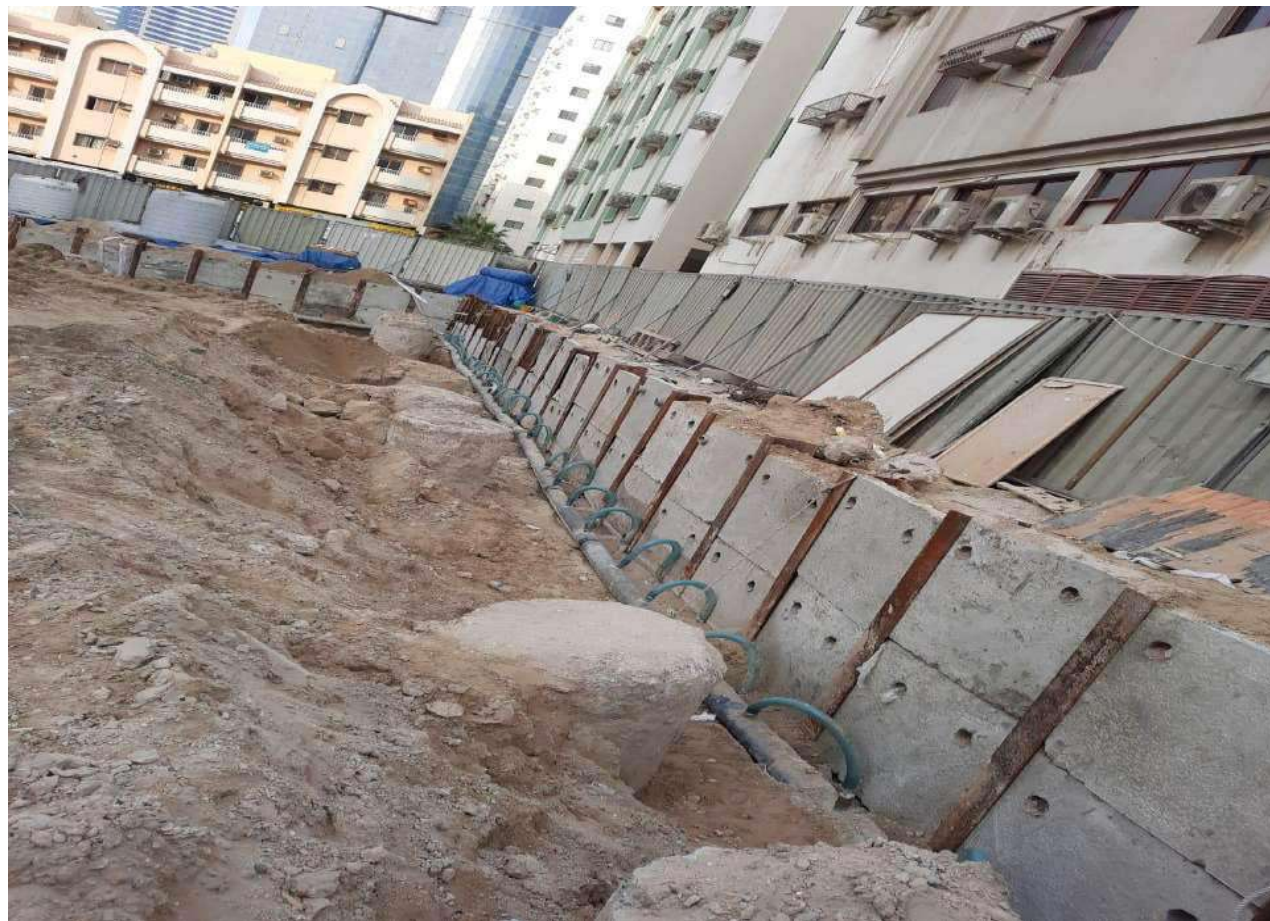


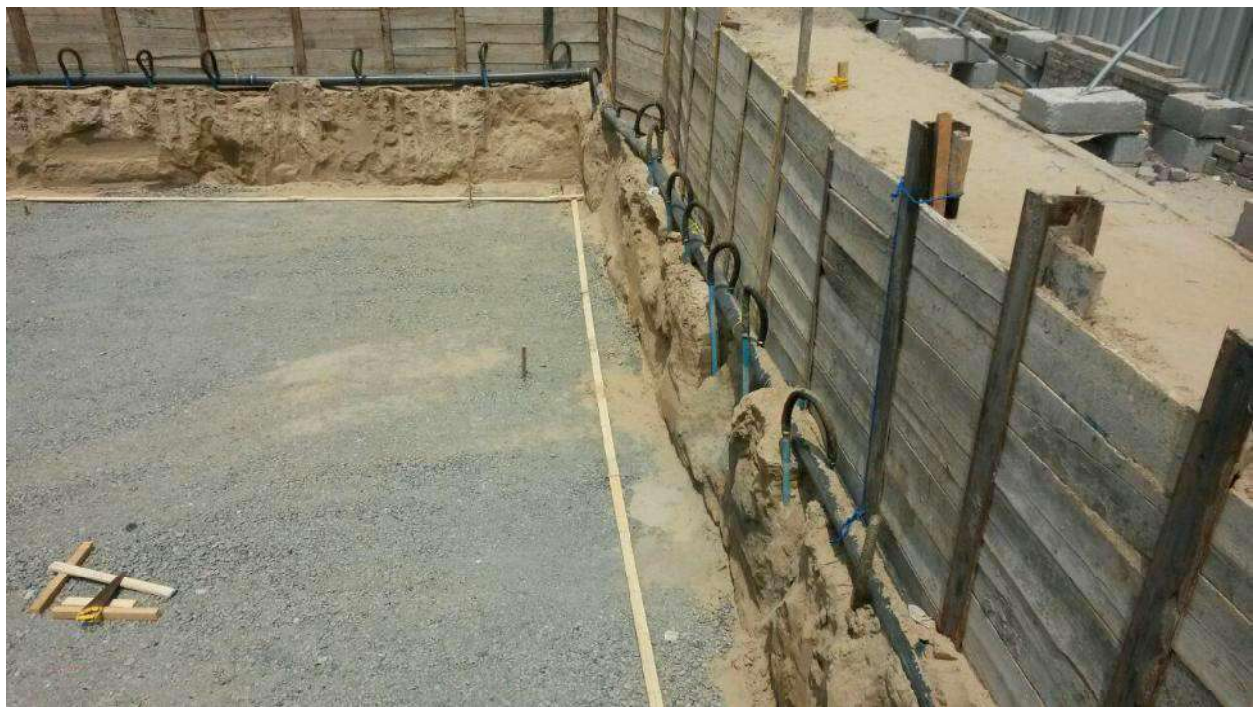


















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RELEVANT SECTIONS OF THE SPECIFICATIONS.

KEY PLAN



SUB CONTRACTOR :

MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

REV. No	DATE	DESCRIPTION	CHECKED
---------	------	-------------	---------

CLIENT:

M/S AL MIDFA
ESTMENTS GROUP LLC

PROJECT NAME:

PROPOSED RESIDENCIAL BUILDING
GROUND + 3 TYPICAL + ROOF
PLOT NO : 4922
TILAL / AL SUYOH - SHARJAH

ARCHITECT:



Atrium
ARCHITECTURAL & ENGINEERING CONSULTANCY

P O BOX 78308
DUBAI
UNITED ARAB EMIRATES

TEL: +971 (0) 4 5540100, FAX: +971 (0) 4 4310470
Web site : www.atrimumae.com
E-mail : admin@atrimumae.com

DRAWING NAME:

SHORING LAYOUT

AUTHORIZED BY		DATE	DATE FEB-2023
DESIGNED BY	M.H	STAGE	
DRAWN BY	M.H	SHEET SIZE	A2
CHECKED BY	M.H	SCALE	1:100

1 UNIT = 10 mm WHEN PRINTED AT A2 SHEET SIZE

DIVISION	SUB.GROUP	SHEET NUMBER	PROJECT No.
		0	701

ISSUED FOR:	
-------------	--



M. B. Bates

Excavation Side

earth side

AREA SURCHARGE , q = 30kpa

EL. ± 0.00 GL = (+63.14 SMD)

(L - 1)
LOOSE SILTY SAND

Concrete Panel
(See Detail of CP)

EL. - 2.70 = (+60.44 SMD) Max. Exca. Level

(L - 2)
VERY LOOSE SILTY SAND

(L - 3)
LOOSE SILTY SAND

203x203x52kg/m UB

(L - 4)
MEDIUM DENSE SILTY SAND

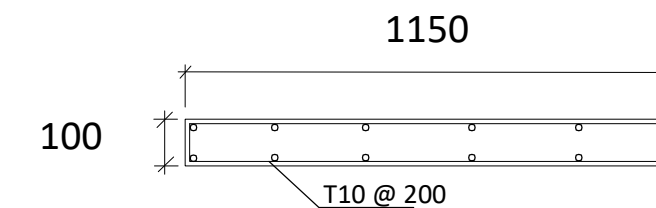
(L - 5)
DENSE SILTY SAND

Pile Toe Level
EL. -08.00

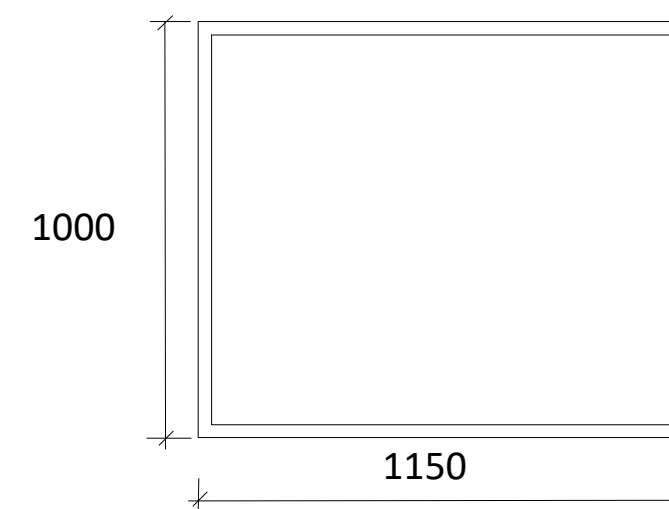
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		

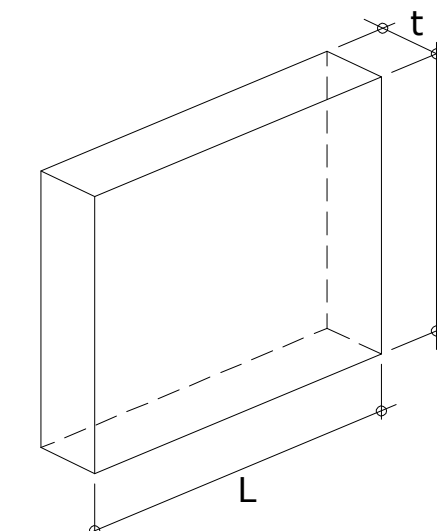


PLAN



ELEVATION

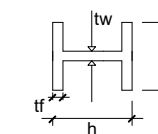
DETAIL OF CP



ISOMETRIC

DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 08.00m
SECTION	203x203x52kg/M
MASS (kg/m)	52
DEPTH,h (mm)	206.2
WIDTH,b (mm)	204.3
FLANGE,tf (mm)	12.5
WEB,tw (mm)	7.9
MODULUS, Zx	
PLASTIC (cm ³)	510



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KEY PLAN



SUB CONTRACTOR :

MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

REV. No DATE DESCRIPTION CHECKED

CLIENT:

M/S AL MIDFA
INVESTMENTS GROUP LLC

PROJECT NAME:

PROPOSED RESIDENCIAL BUILDING
GROUND + 3 TYPICAL + ROOF
PLOT NO : 4922
TILAL / AL SUYOH - SHARJAH

ARCHITECT:



P O BOX 78308 TEL: +971 (0) 4 5540100 FAX: +971 (0) 4 4310470
DUBAI Web site : www.atriumuae.com
UNITED ARAB EMIRATES E-mail : admin@atriumuae.com

DRAWING NAME:

SHORING SECTION

AUTHORIZED BY M.BALAAWI DATE DATE FEB-2023

DESIGNED BY M.SH.&O.BA. STAGE

DRAWN BY A.R. SHEET SIZE A2

CHECKED BY M.SH.&O.BA. SCALE 1:100

1 UNIT = 10 mm WHEN PRINTED AT A2 SHEET SIZE

DIVISION SUB.GROUP SHEET NUMBER PROJECT No.

S 400 701

ISSUED FOR:

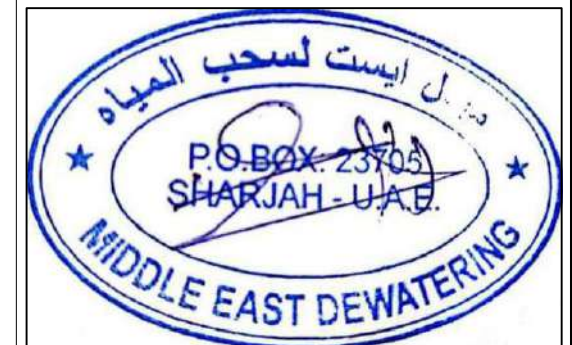


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2. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED.
3. ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION.
4. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.
5. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT SEPARATE WRITTEN PERMISSION FROM THE ARCHITECT.
6. ALL WORK AS OUTLINED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES.
7. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.

NOTES:

1. ALL EXTERNAL WALLS ARE THERMAL BLOCK INSULATION
2. ALL WINDOWS ARE DOUBLE GLAZING
3. +0.00 IS STREET LEVEL
4. ALL WINDOW & BALCONY DOORS SHOULD BE EQUIPPED WITH WINDOW OPENING CONTROL DEVICE (W.O.C.D) TO HAVE MAXIMUM OPENING LIMIT OF 10 CM TO HELP IN THE PREVENTION OF ACCIDENTAL FALLS FROM WINDOWS & BALCONIES BY CHILDREN AS PER SHARJAH MUNICIPALITY REGULATIONS.



SUB CONTRACTOR :

**MIDDLE EAST DEWATEIRNG
& FOUNDATION L.L.C**



CLIENT NAME:

**Muna Ahmed
Mohammed Al Maaini**

PROPOSED PROJECT:

**PROPOSED BUILDING
(G+1)**

PROJECT LOCATION:

HOSHI

GOV. NO.: 197 MULK

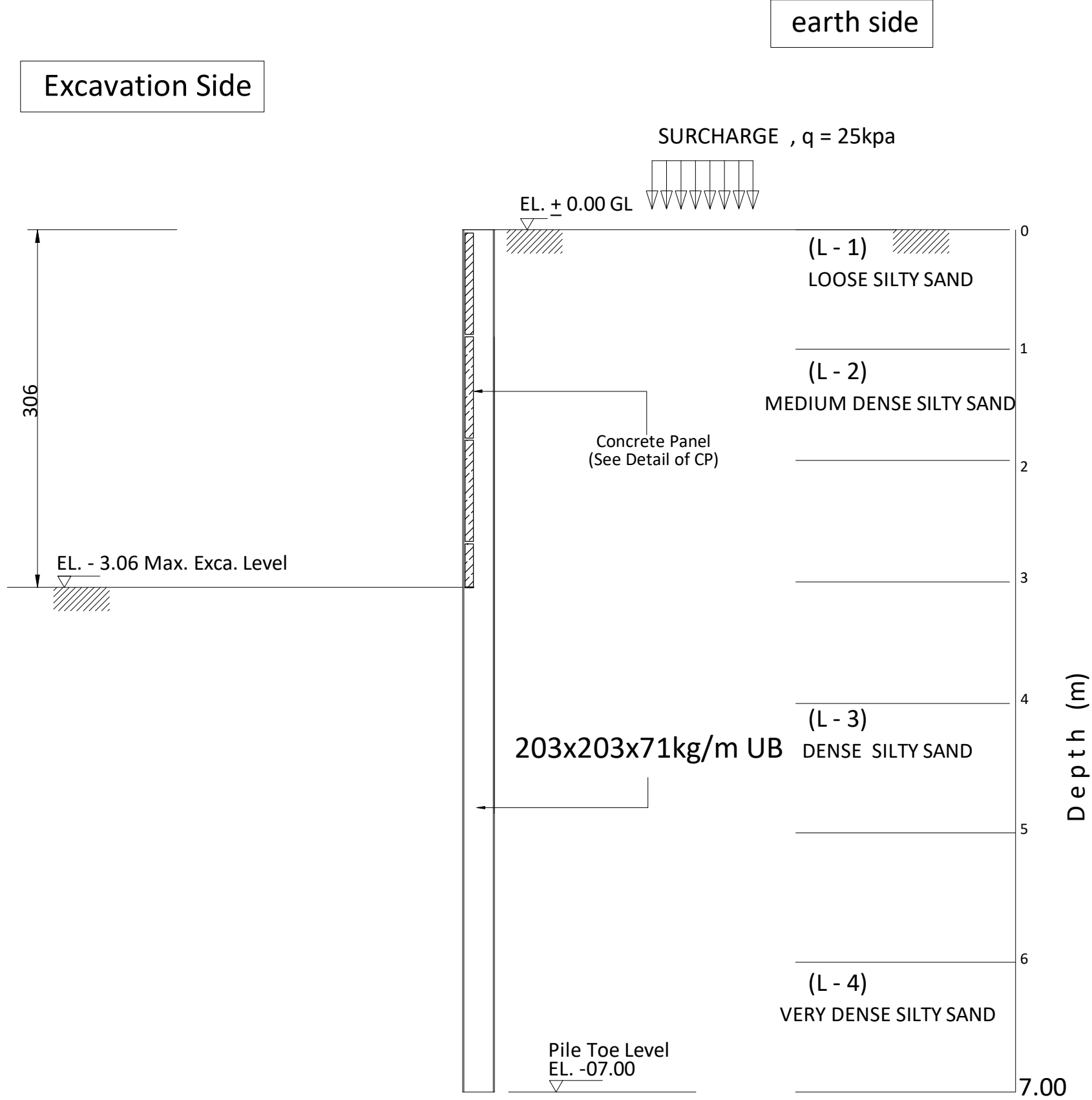
PLOT NO.: 198

SHEET CONTENT:

SHORING LAYOUT

HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY REVIT	
STRUCT. DESIGNED BY			
ELEC. DESIGNED BY		MUN. CREATED BY REVIT	
SERVICES DESIGNED BY			
Project NUMBER: 3749		DRAWING NUMBER: S-04	
DATE 21-Apr-23		SCALE 1 : 100	REF. NO.
NO.	DATE	REVISIONS	

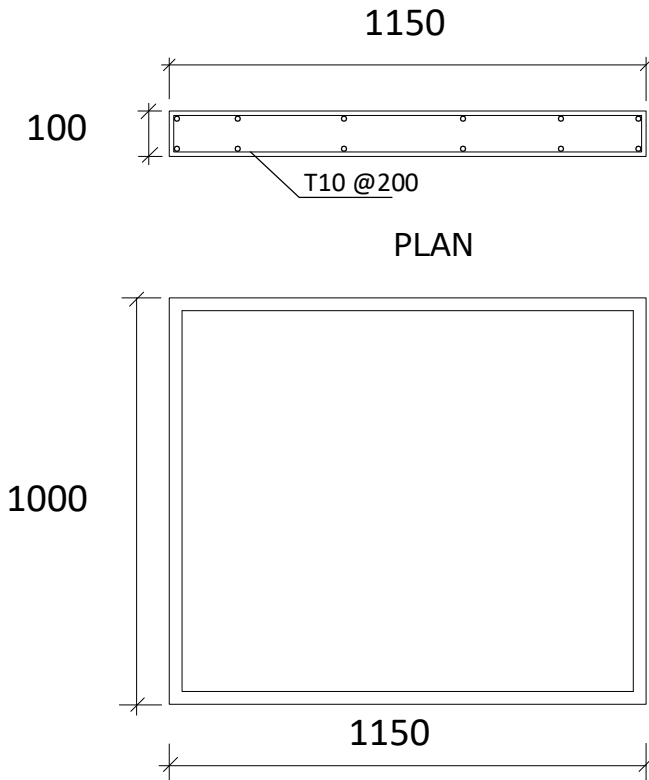




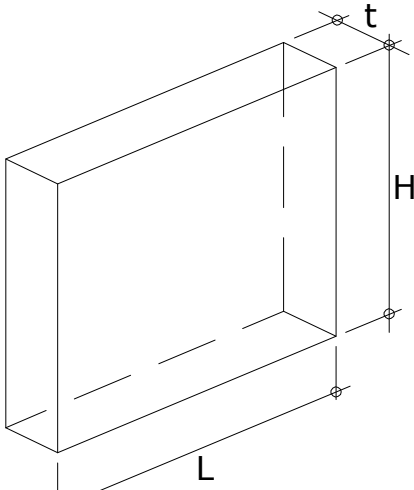
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



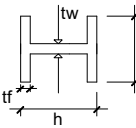
DETAIL OF CP



ISOMETRIC

DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 07.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



- GENERAL NOTES:-
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 - IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.

- NOTES:
- ALL EXTERNAL WALLS ARE THERMAL BLOCK INSULATION
 - ALL WINDOWS ARE DOUBLE GLAZING
 - +0.00 IS STREET LEVEL
 - ALL WINDOW & BALCONY DOORS SHOULD BE EQUIPPED WITH WINDOW OPENING CONTROL DEVICE (W.O.C.D) TO HAVE MAXIMUM OPENING LIMIT OF 10 CM TO HELP IN THE PREVENTION OF ACCIDENTAL FALLS FROM WINDOWS & BALCONIES BY CHILDREN AS PER SHARJAH MUNICIPALITY REGULATIONS.



SUB CONTRACTOR :
MIDDLE EAST DEWATEIRNG & FOUNDATION L.L.C



CLIENT NAME:
**Muna Ahmed
Mohammed Al Maaini**

PROPOSED PROJECT:
**PROPOSED BUILDING
(G+1)**

PROJECT LOCATION:
HOSHI

GOV. NO.: 197 MULK

PLOT NO.: 198

SHEET CONTENT:
**RAFT FOUNDATION
LAYOUT**

HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY	REVIT
STRUCT. DESIGNED BY			
ELEC. DESIGNED BY		MUN. CREATED BY	REVIT
SERVICES DESIGNED BY			
Project NUMBER: 3749	DRAWING NUMBER: S-04		
DATE 21-Apr-23	SCALE 1 : 100	REF. NO.	
NO.	DATE	REVISIONS	



Excavation Side

SURCHARGE , $q = 25\text{kpa}$

EL. + 0.00 GL

(1 - 1)

LOOSE SILTY SAND

(L - 2)

MEDIUM DENSE SILTY SAND

Concrete Panel
(See Detail of CP)

(L - 3)

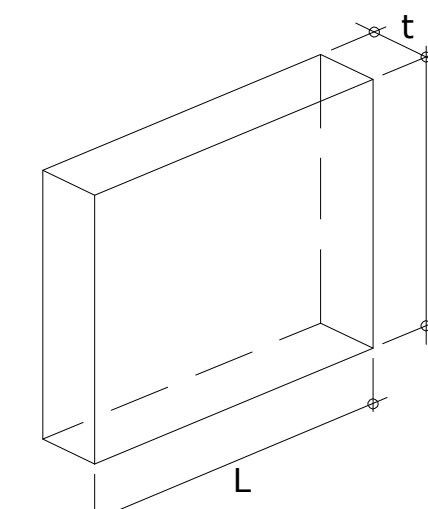
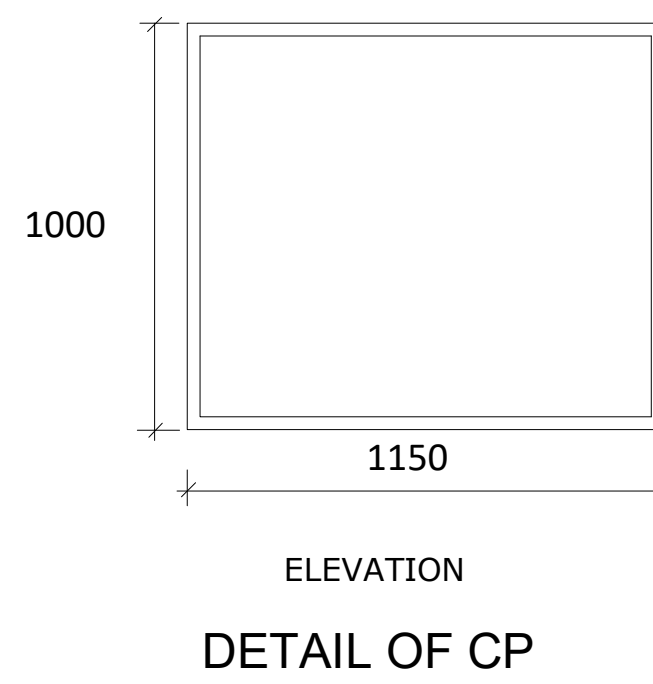
DENSE SILTY SAND

203x203x71kg/m UB

Pile Toe Level
EL. -06.00

EL. -06.00

THK(mm)	SECTION			REMARKS
100	1000x1150			



ISOMETRIC

DETAIL OF CP

	H-BEAM L = 06.00m Fy = 275 N/mm ²	
	SECTION 203x203x71kg/M	
	MASS (kg/m)	71
	DEPTH,h (mm)	215.8
	WIDTH,b (mm)	206.4
	FLANGE,tf (mm)	17.3
	WEB,tw (mm)	10
	MODULUS, Zx PLASTIC (cm ³)	706

شارقة للاستشارات الهندسية ذ م
SHARJAH ENG. CONSULTANTS L.L.C
مخططات هندسية

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SUB CONTRACTOR:

**MIDDLE EAST DEWATEIRNG
& FOUNDATION L.L.C**



CLIENT NAME:

**Muna Ahmed
Mohammed Al Maaini**

PROPOSED PROJECT:

**PROPOSED BUILDING
(G+1)**

PROJECT LOCATION:

HOSHI

GOV. NO.: 197 MULK

PLOT NO.: 198

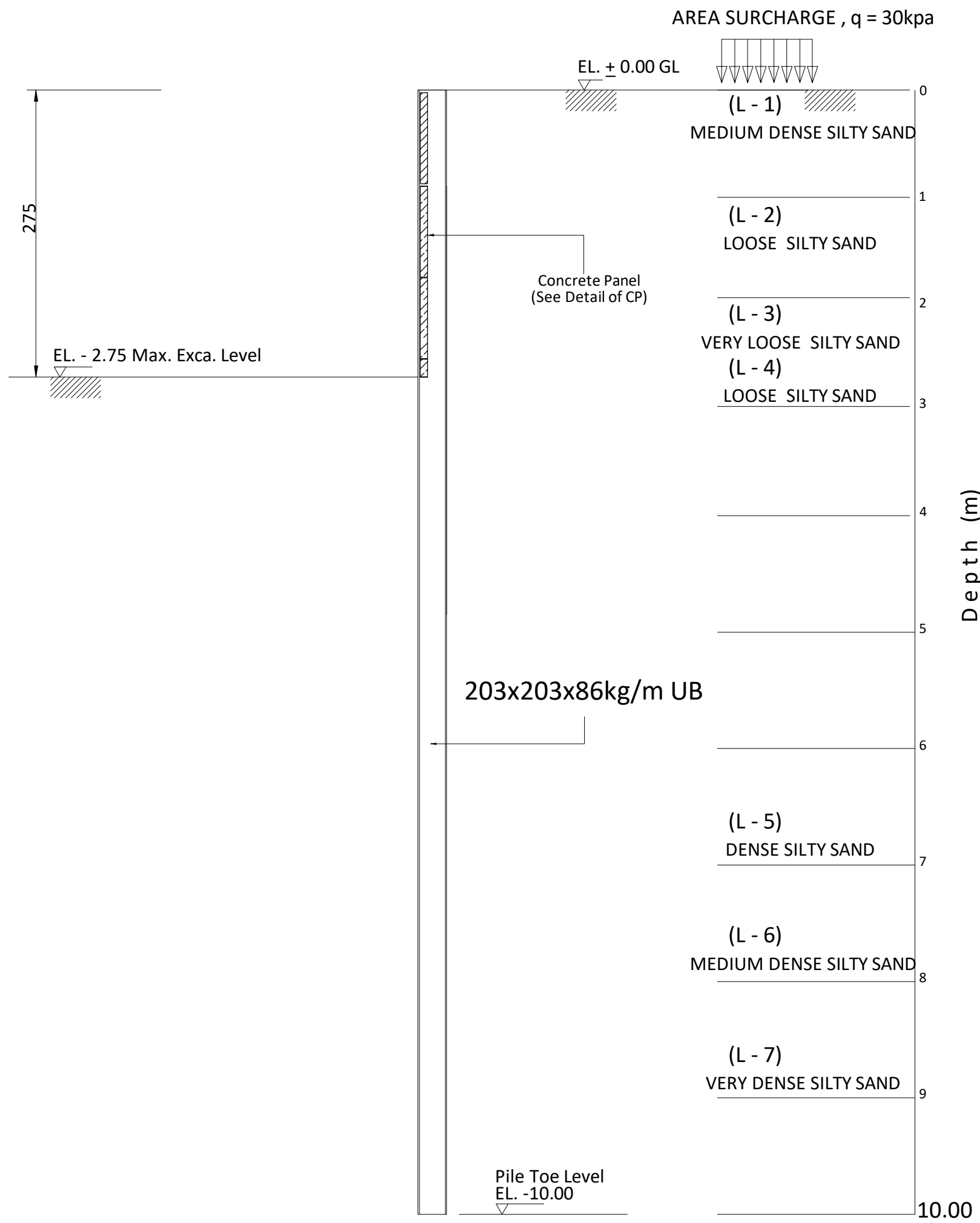
SHEET CONTENT:

RAFT FOUNDATION LAYOUT

HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY REVIT	
STRUCT. DESIGNED BY			
ELEC. DESIGNED BY		MUN. CREATED BY REVIT	
SERVICES DESIGNED BY			
Project NUMBER: 3749		DRAWING NUMBER: S-04	
DATE 21-Apr-23		SCALE 1 : 100	REF. NO.
NO.	DATE	REVISIONS	

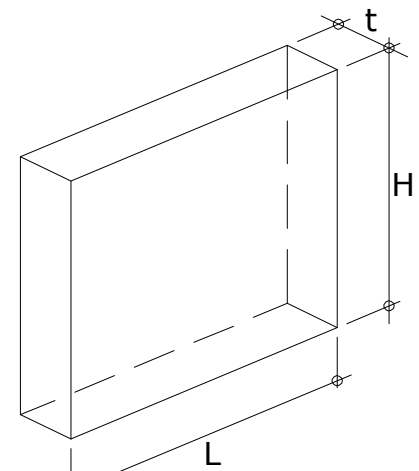
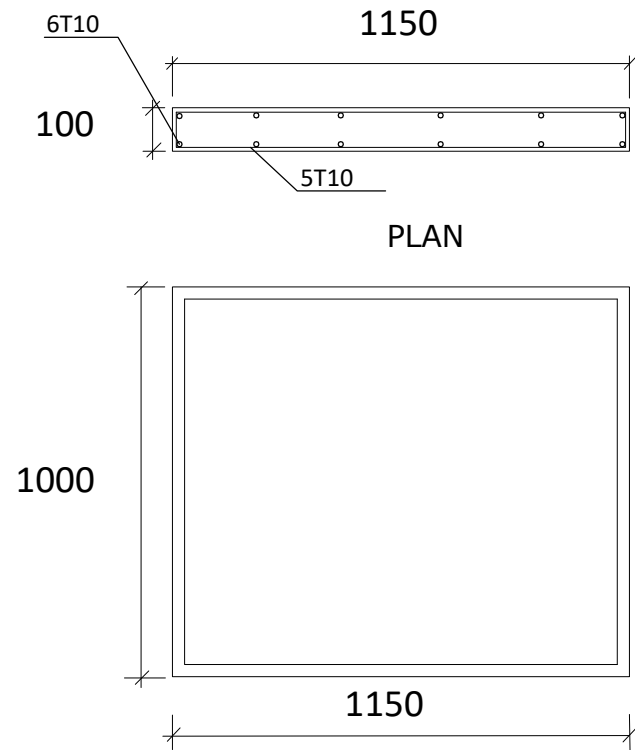
Excavation Side

earth side



SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	QTY (nos)	REMARKS
100	1000x1150		

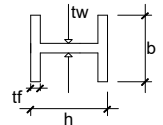


ISOMETRIC

DETAIL OF CP

DETAIL OF CP

SECTION PROPERTIES



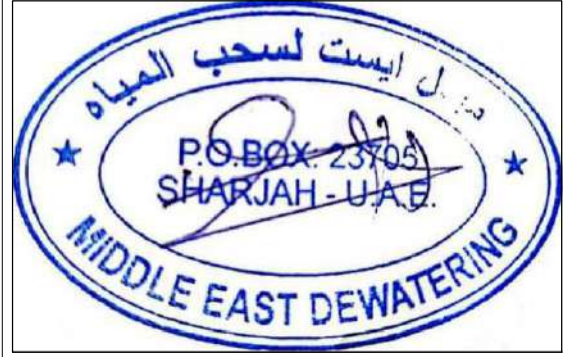
H-BEAM	L = 10.00m	Fy = 275 N/mm ²
SECTION	203x203x86kg/M	
MASS (kg/m)	86.1	
DEPTH,h (mm)	222.2	
WIDTH,b (mm)	209.1	
FLANGE,tf (mm)	20.5	
WEB,tw (mm)	12.7	
MODULUS, Zx		
PLASTIC (cm ³)	850	

SECTION A - A



GENERAL NOTE

(1) THIS DRAWING IS THE PROPERTY OF :
ENG. ADNAN SAFFARINI OFFICE P.O.BOX: 4000, DUBAI, U.A.E
IT IS NOT ALLOWED TO REPRODUCE ITS CONTENTS IN ANY
FORM EXCEPT FOR THE PURPOSE FOR WHICH IT IS INTENDED.
(2) THIS DRAWING IS NOT TO BE SCALED. WRITTEN DIMENSIONS
ONLY ARE TO BE CONSIDERED.
(3) ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION
OF THE ENGINEER AND RESOLVED BEFORE COMMENCEMENT
OF ANY WORK.



REVISION :

NO.	DATE	REVISED	APPROVED
07			
06			
05			
04			
03			
02			
01			

S.CONTRACTOR

MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

PROJECT

PROPOSED BUILDING
(G+5P+15 TYP.) FLOORS

CLIENT

RUQAYYA FAWZI ALALAMI & CO.

TITLE

SHORING SECTION DETAILS



المهندس عبدالعزیز سافارینی

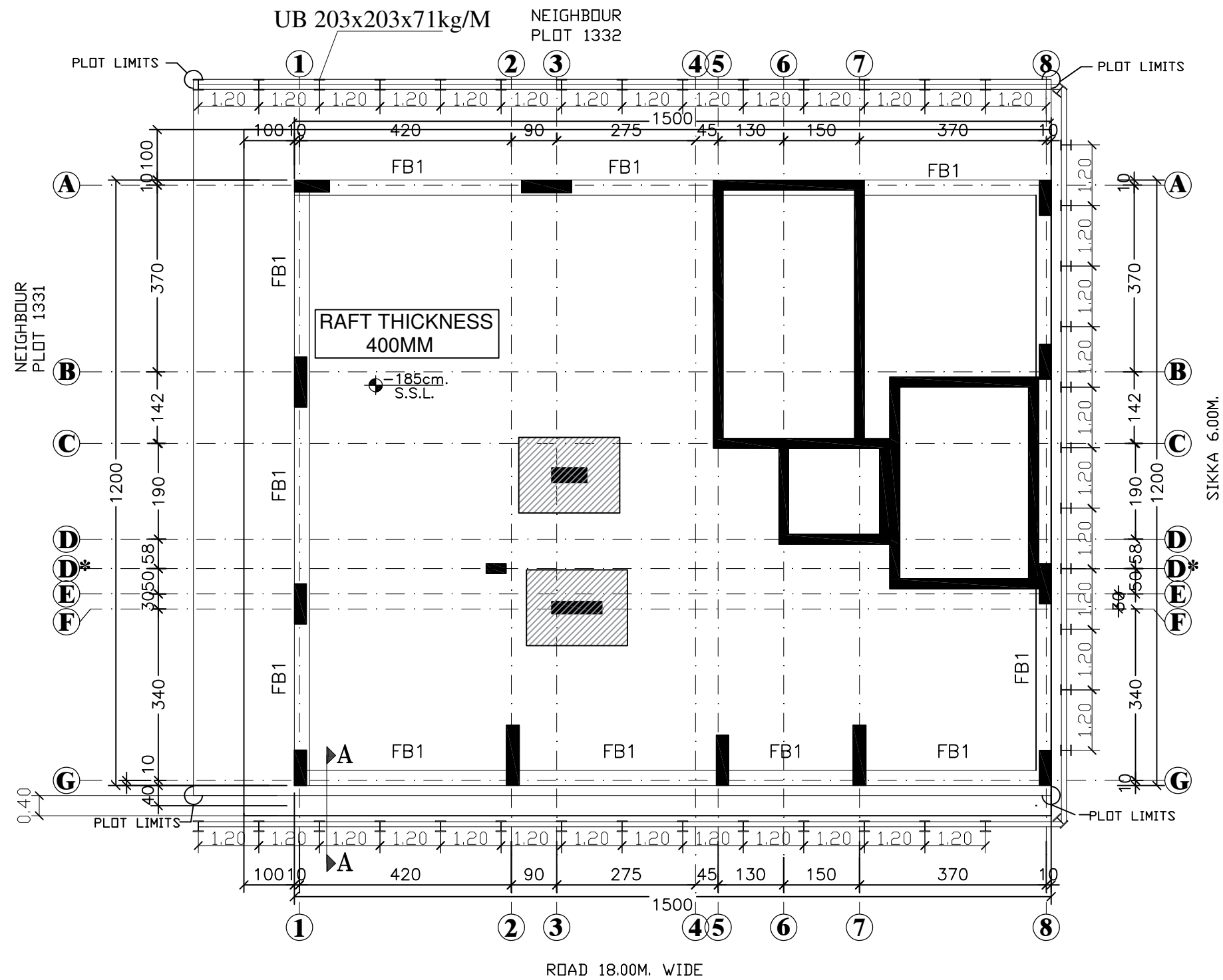
ENG. ADNAN SAFFARINI

DESIGN, SUPERVISION, & CONSULT
HEAD OFFICE : POST BOX - 4000 DUBAI - 04-2222002
ABU DHABI: 02-6260501 SHJ: 06-5733100 ALAIN: 03-7668970

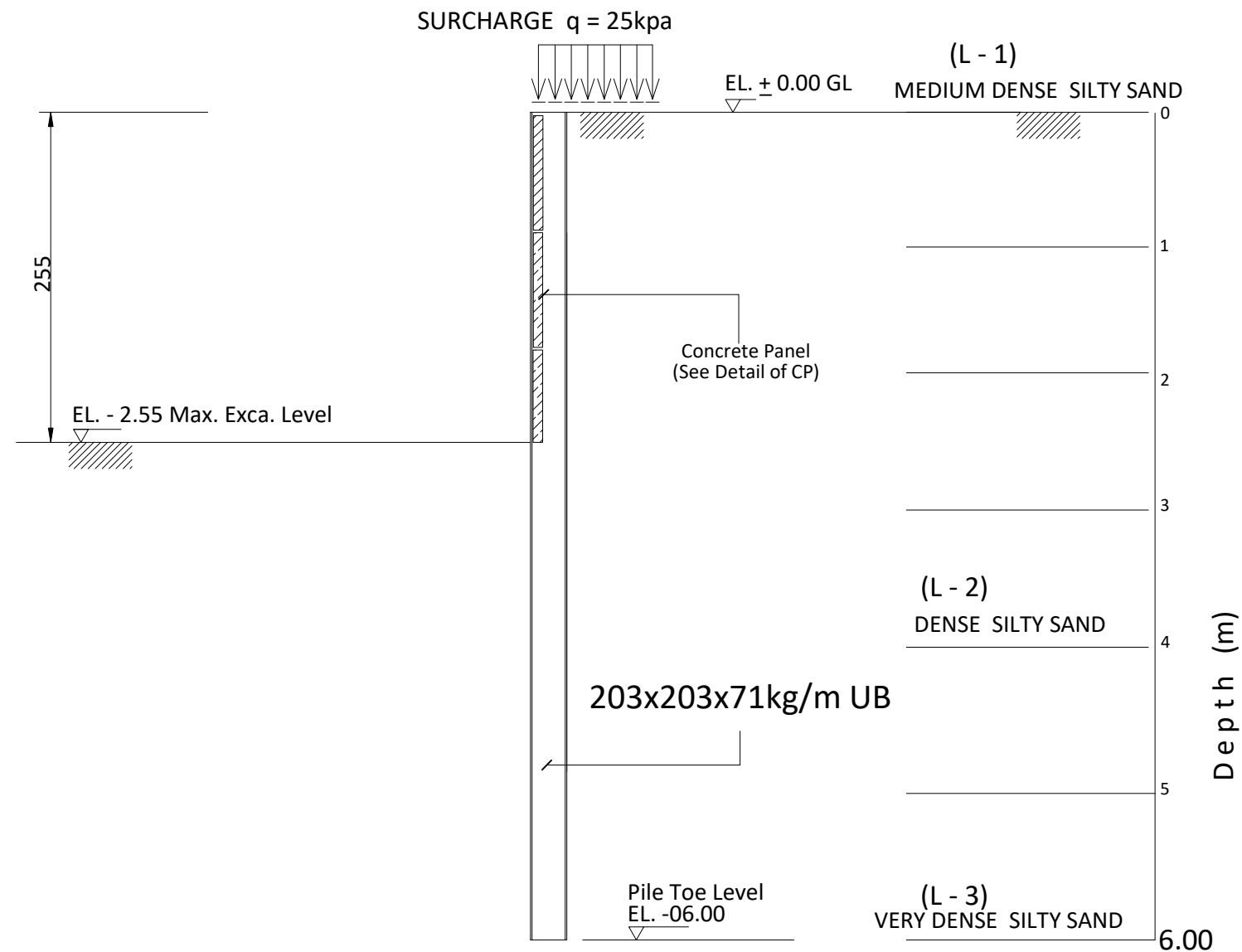
ARCHITECT		REG.NO	
STRUCTURE ENG.		REG.NO	
ELECTRICAL ENG.		SIGN	
MECH. ENG.		SIGN	
DESIGN / CAD BY	E. MAHMOOD.H	DATE	11 JAN 2023
CHECKED BY:		DATE	

SHEET	EMIRATES	CITY	LOCATION	PLOT NO.
A2	SHARJAH	AL MAJAZ	AL MAJAZ /3	877

SCALE :		PROJECT NO.
1 : 100		601



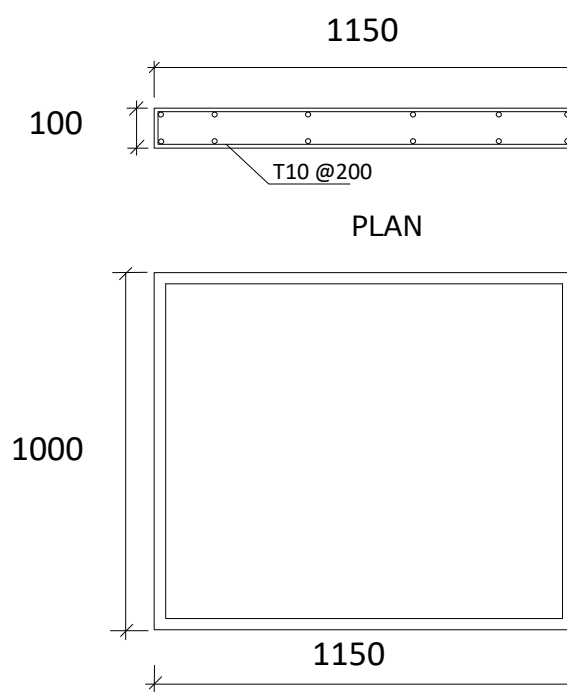
Excavation Side



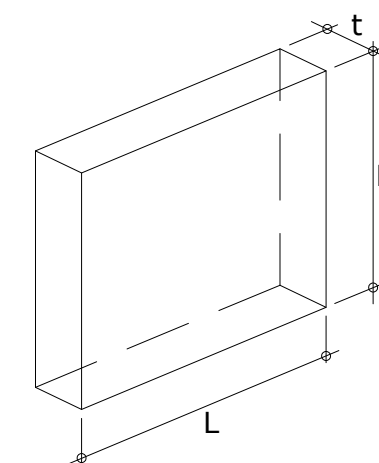
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



DETAIL OF CP



ISOMETRIC
DETAIL OF CP

SECTION PROPERTIES

H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



SUB CONTRACTOR
MIDDLE EAST DEWATERING & FOUNDATION L.L.C
PROJECT
PROPOSED (G+3) BUILDING

OWNER
Mr.ABDULLA MOH'D ABDULLA ALMEHYAS

PLOT NO. 1333
SECTOR 3191(MULK) AL MUALIH COMMERCIAL

TITLE RAFT LAYOUT & SECTION

الذروة
AL ZARWA

للإستشارات الهندسية
ENG. CONSULTANTS

TEL.NO. 06/5668333 FAX NO. 06/5668282
P.O.Box: 40180 SHJ - U.A.E.

DRAWN	SCALE 1:100	JOB NO.
ARCH.ENG KARRAR	DRE NO. S/1	
CIVIL ENG. HIBAH	ELECT. ENG.	DATE



التاريخ : 2023/10/26
المحترمين
السادة / بلدية الشارقة
تحية طيبة و بعد

المشروع مبنى (أرضي + ثلاث طوابق) قطعة رقم 1333 - مخطط التجارية - الشارقة

الموضوع : تعمد

بالإشارة إلى الموضوع أعلاه ، نتعمد نحن شركة ميدل إيست ديمتيرينج و فاونديشن ل.ل.سي بتأمين سلامة المنشآت و الطرق المجاورة للمشروع نتيجة أعمال سند جوانب الحفر و تصميمها و أنها تحت مسؤوليتنا بالكامل .

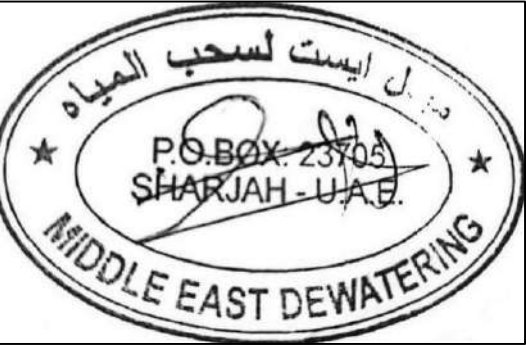
ميدل إيست ديمتيرينج و فاونديشن ل.ل.سي



MIDDLE EAST DEWATERING & FOUNDATION L.L.C.

Tel.: 04-2369962 , Fax: 04- 2369964, Mob.: 050-3093519, 050-6464745
P.O. Box 113488, Dubai / Abu Dhabi - U.A.E., E-mail: coastmiddleeast@gmail.com

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SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



CLIENT NAME:

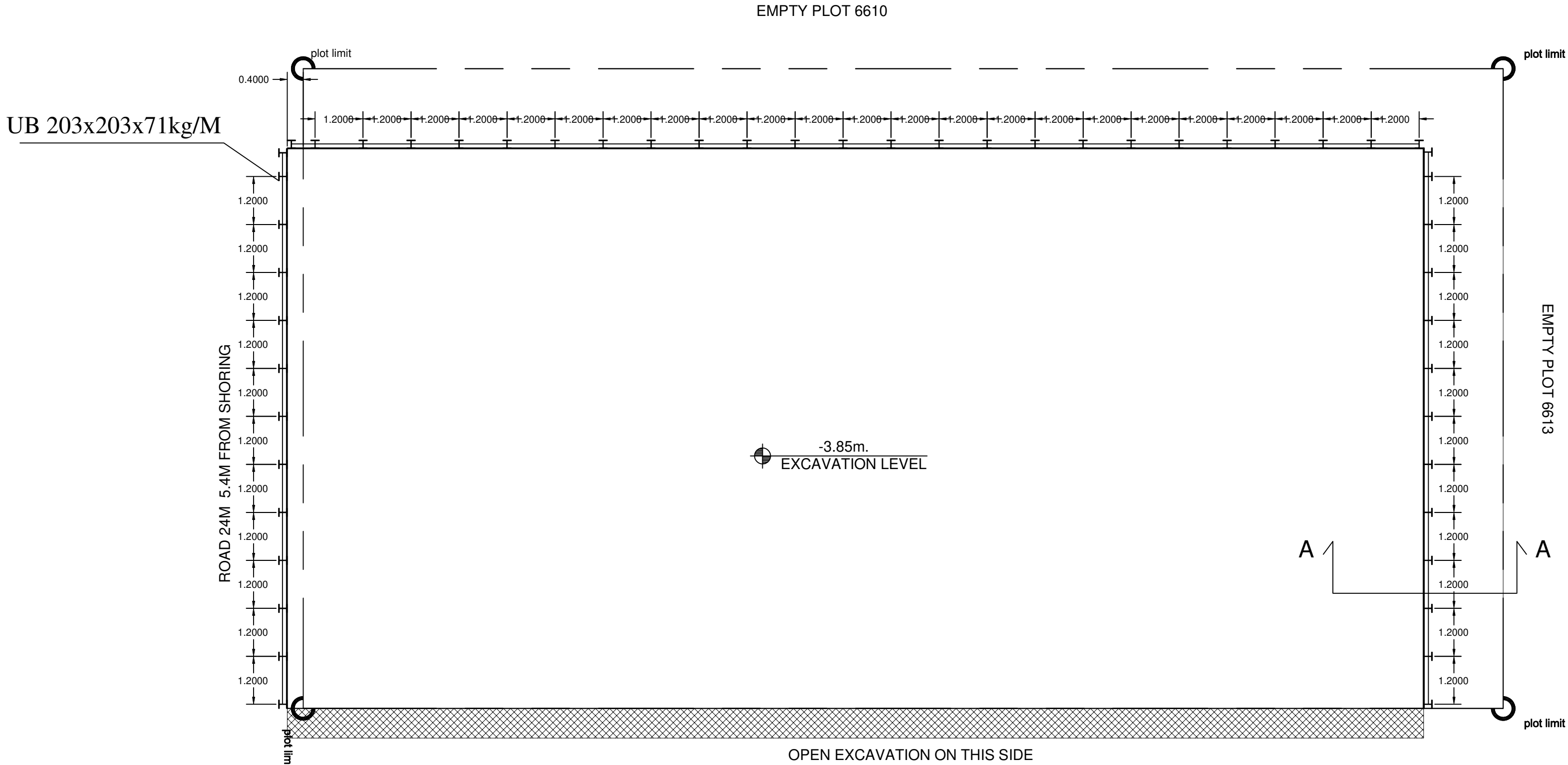
Mr. Ali Jassim Ali Abdulla Almazrouei .
Mr. Mohammed Ateeq Alzafna Khamis Almarar.

PROPOSED PROJECT:
PROPOSED BUILDING (G+4+50%)

PROJECT LOCATION: GOV NO. 6612
MUWAILIH - COMMERCIAL MULK NO. 233/3197

SHEET CONTENT:
SHORING AND EXCAVATION LAYOUT

HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY REVIT	
STRUCT. DESIGNED BY ENG. MAHMOOD HOUSNI		MUN. CREATED BY REVIT	
ELEC. DESIGNED BY			
SERVICES DESIGNED BY			
Project NUMBER: 4101		DRAWING NUMBER: S-07	
DATE 20/07/2023		SCALE 100	REF. NO.
NO.	DATE	REVISIONS	

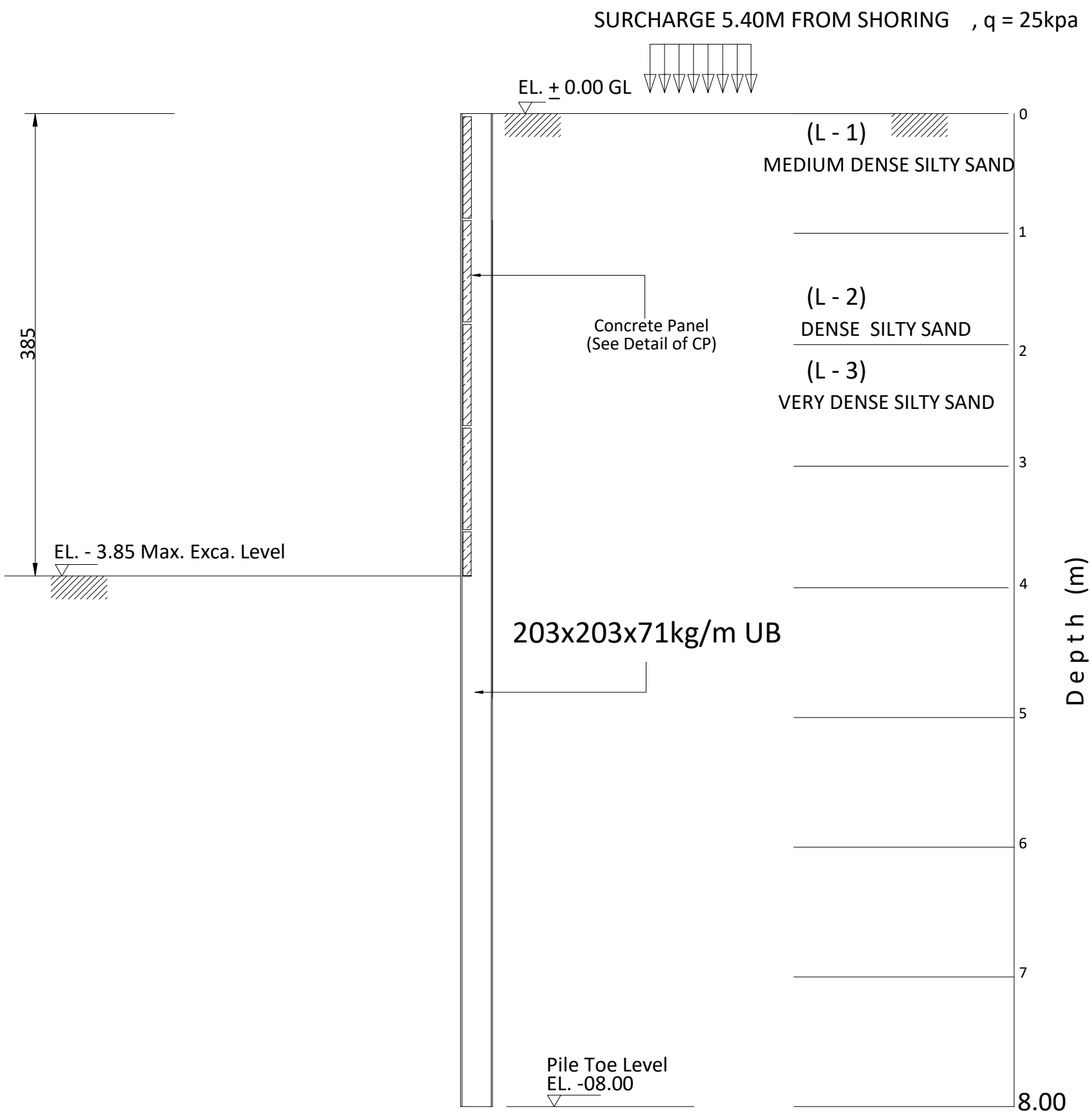


SHORING & EXCAVATION LAYOUT
SCALE : 1-100



Excavation Side

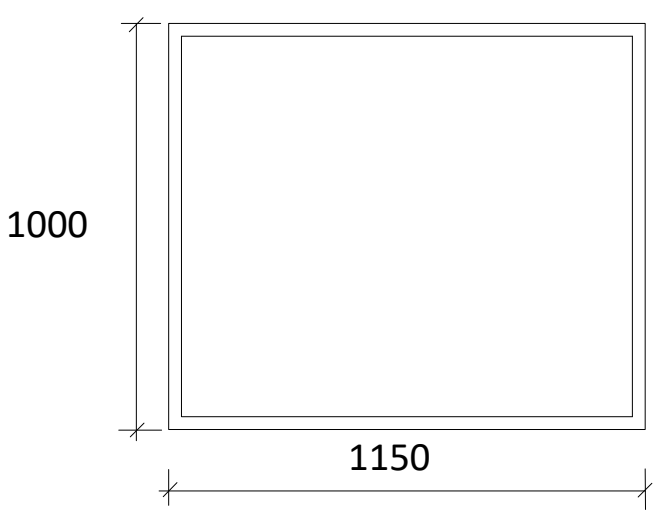
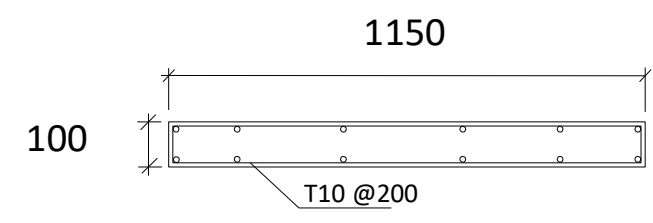
earth side



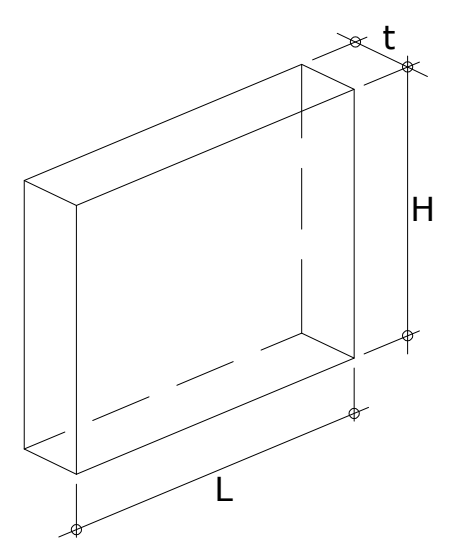
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



DETAIL OF CP



DETAIL OF CP

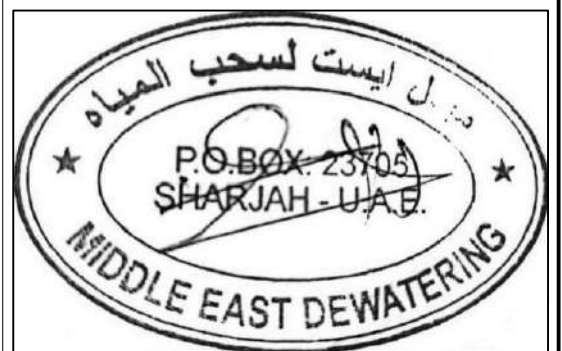
SECTION PROPERTIES

H-BEAM	L = 08.00m	Fy = 275 N/mm^2
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,t _f (mm)	17.3	
WEB,t _w (mm)	10	
MODULUS, Z _x		
PLASTIC (cm ³)	706	



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SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



CLIENT NAME:

Mr. Ali Jassim Ali Abdulla Almazrouei .
Mr. Mohammed Ateeq Alzafna Khamis Almarar.

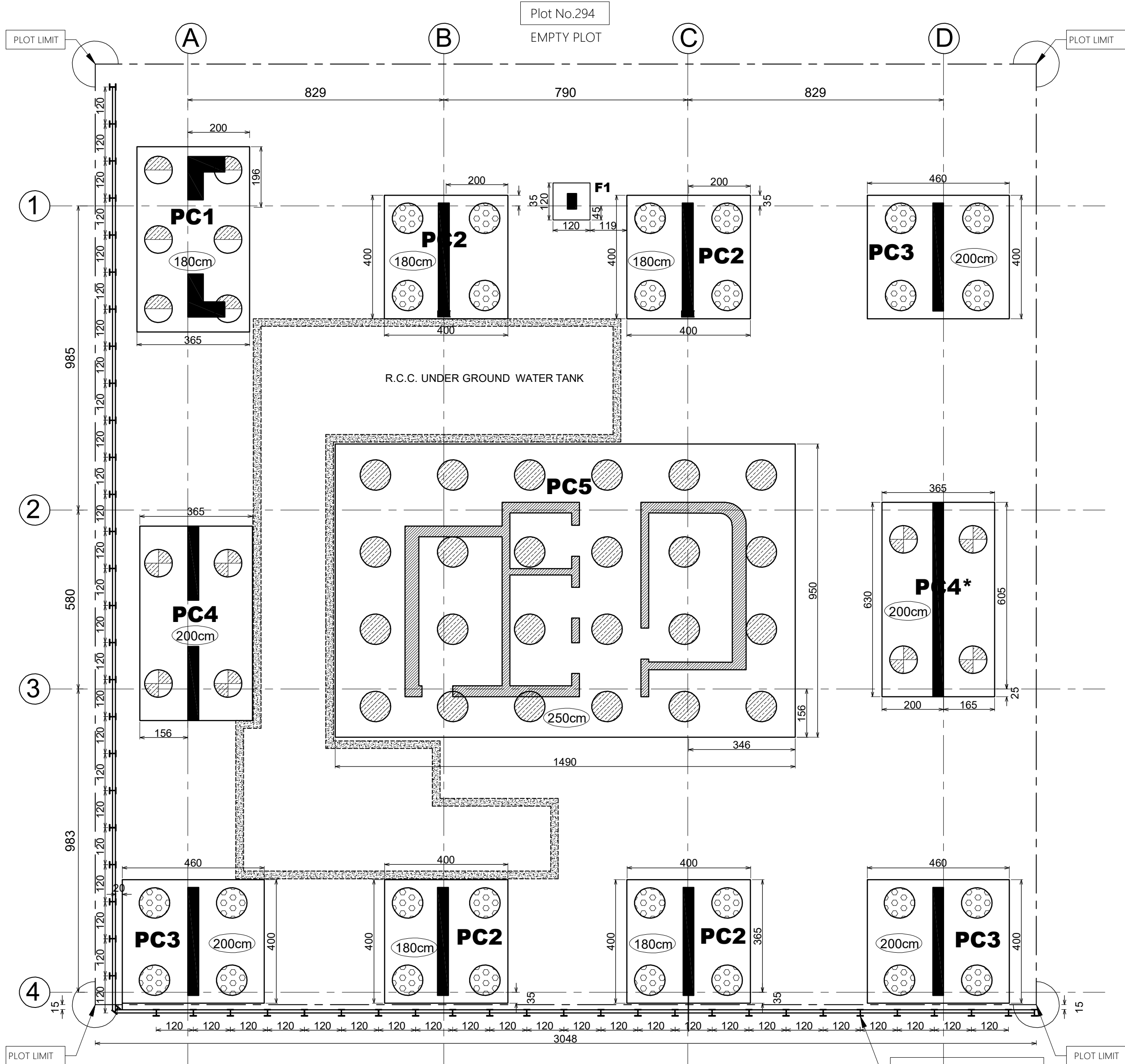
PROPOSED PROJECT:
PROPOSED BUILDING (G+4+50%)

PROJECT LOCATION: GOV NO. 6612
MUWAILIH - COMMERCIAL MULK NO. 233/3197

SHEET CONTENT:
SHORING SECTION DETAIL

HEAD OF DESIGN SECTION	HEAD OF ENGINEERING SECTION
ARCH. DESIGNED BY	T. P. CREATED BY REVIT
STRUCT. DESIGNED BY ENG. MAHMOOD HOUSNI	
ELEC. DESIGNED BY	MUN. CREATED BY REVIT
SERVICES DESIGNED BY	
Project NUMBER: 4101	DRAWING NUMBER: S-07
DATE 20/07/2023	SCALE 100
NO.	DATE
	REF. NO.
	REVISIONS

Plot No.293
G+5P+15 EXISTING BUILDING
PILE FOUNDATIONS



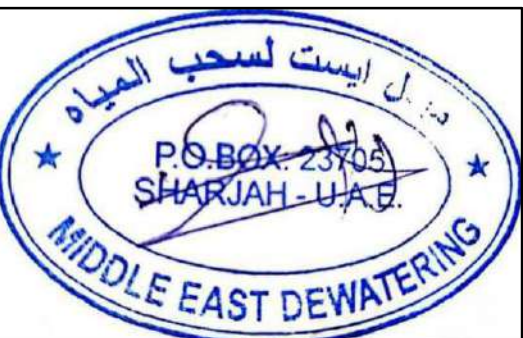
SHORING LAYOUT

SCALE: 1/100

UB 203x203x71kg/M

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SUB CONTRACTOR
MIDDLE EAST DEWATERING &
FOUNDATION L.L.C.

CLIENT
MR:YAQOOB ABDUL RAHIM
MUHAMED BIN KARAM AL FARSI

PROPOSED PROJECT
PROPOSED BUILDING G+5 PARKING
+ 15 TYPICAL+H.C

PLOT LOCATION SECTOR : Al Nahda
PLOT NO : 120 MULK | PLOT GOV : 295

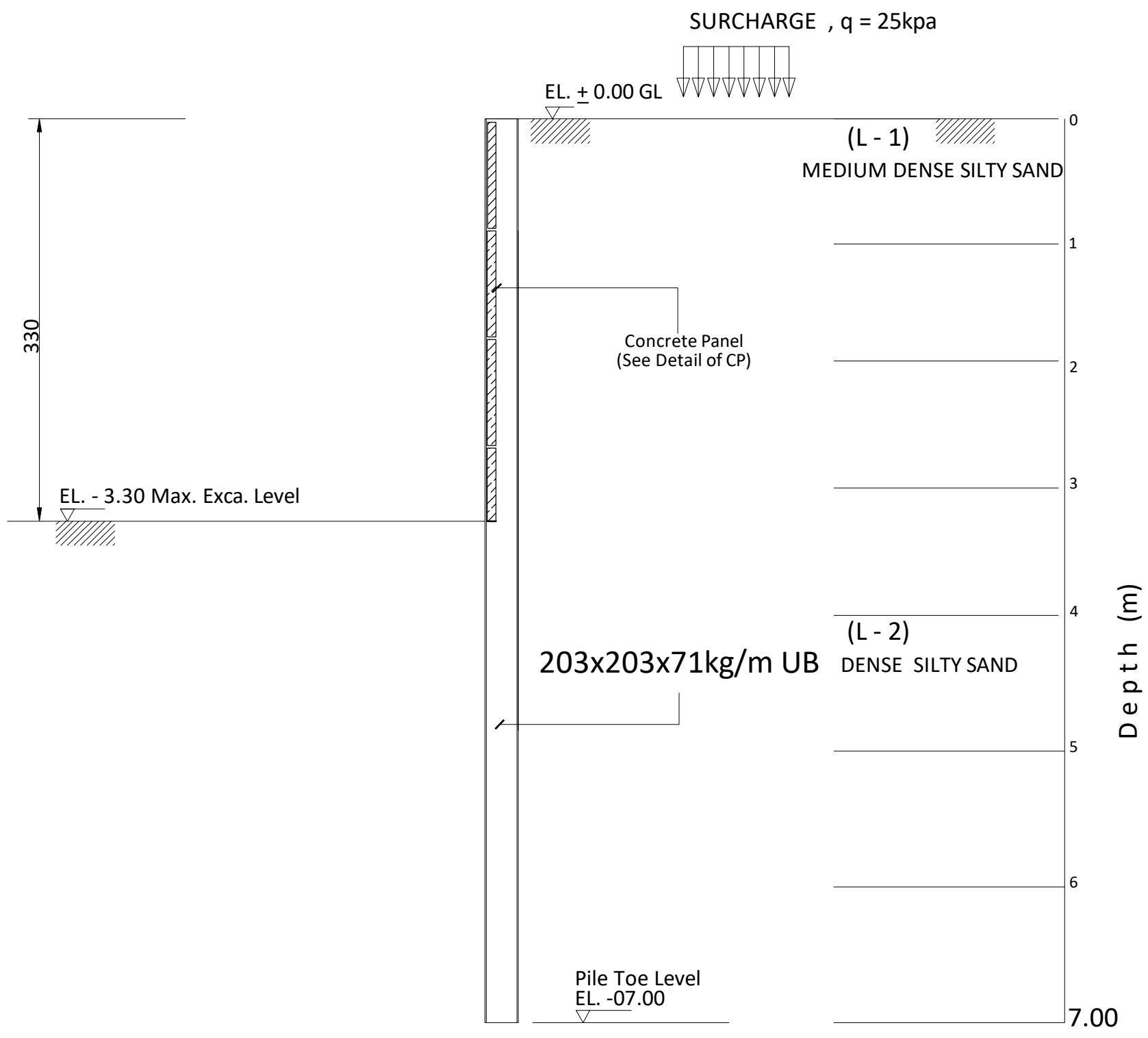
SHEET CONTENT
SHORING LAYOUT

HEAD OF SEC:		
ARCH.DESIGNED BY: ENG.	DRAW BY: ENG.	T.P.DRAW BY: ENG.
STRUCT. DESIGN BY: ENG. M.H	DRAW BY: ENG. M.H	ENG.
ELECTRICAL DESIGN BY: ENG.	DRAW BY: ENG.	MUN.DRAW BY: ENG.
SERVICES DESIGN BY: ENG.	DRAW BY: ENG.	ENG.

JOB NO:		DRWG. NO :	
DATE	SCALE	REF. NO.	
07-05-2023	1:100		
NO.	DATE	R E V I S I O N S	

Excavation Side

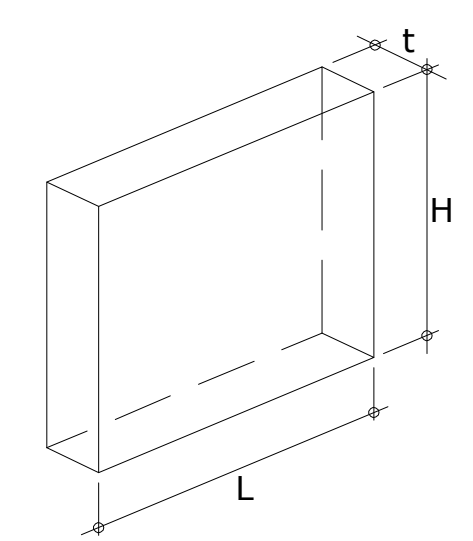
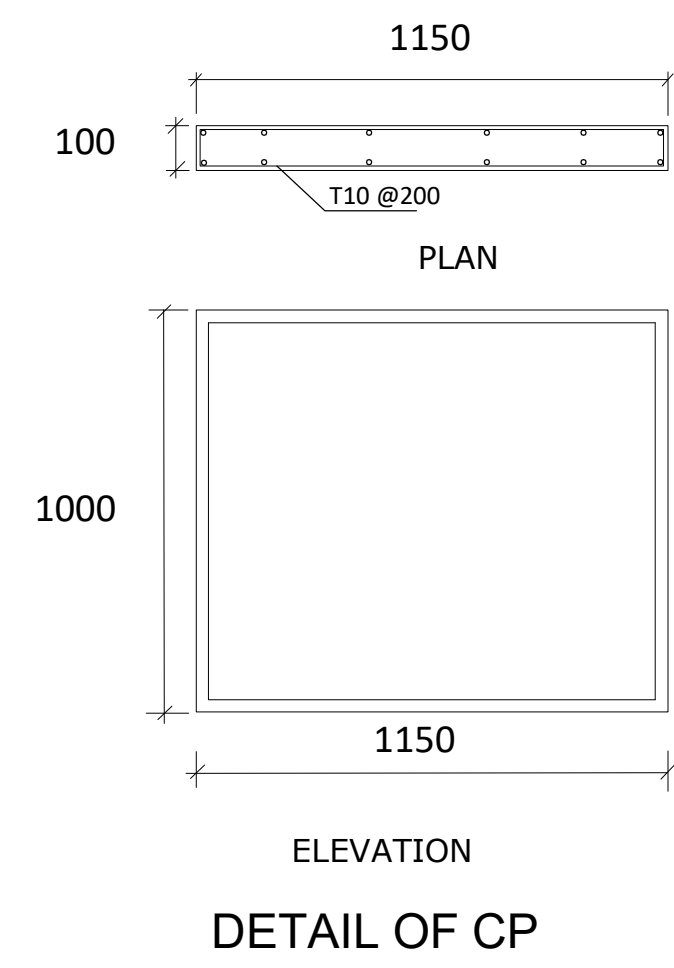
earth side



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



SECTION PROPERTIES

H-BEAM	L = 07.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,t _f (mm)	17.3	
WEB,t _w (mm)	10	
MODULUS, Z _x		
PLASTIC (cm ³)	706	

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02/08/2023

Structural Modification

التوقيع

م. ل. ا. ب. س. ل. س. ح. ب. الم. ي. ا. ه.

P.O. Box 237003

SHARJAH - U.A.E.

MIDDLE EAST DEWATERING

HARMONY ART

Engineering Consultants

P.O. Box : 71343

info@harmonyart.ae

www.harmonyart.ae

هارموني آرت

الاستشارات الهندسية

Tel : 00971635091608

Mob : 00971539663730

SUB CONTRACTOR

MIDDLE EAST DEWATERING & FOUNDATION L.L.C.

CLIENT

MR:YAQOOB ABDUL RAHIM MUHAMED BIN KARAM AL FARSI

PROPOSED PROJECT

PROPOSED BUILDING G+5 PARKING + 15 TYPICAL+H.C

PLOT LOCATION SECTOR : Al Nahda

PLOT NO : 120 MULK | PLOT GOV : 295

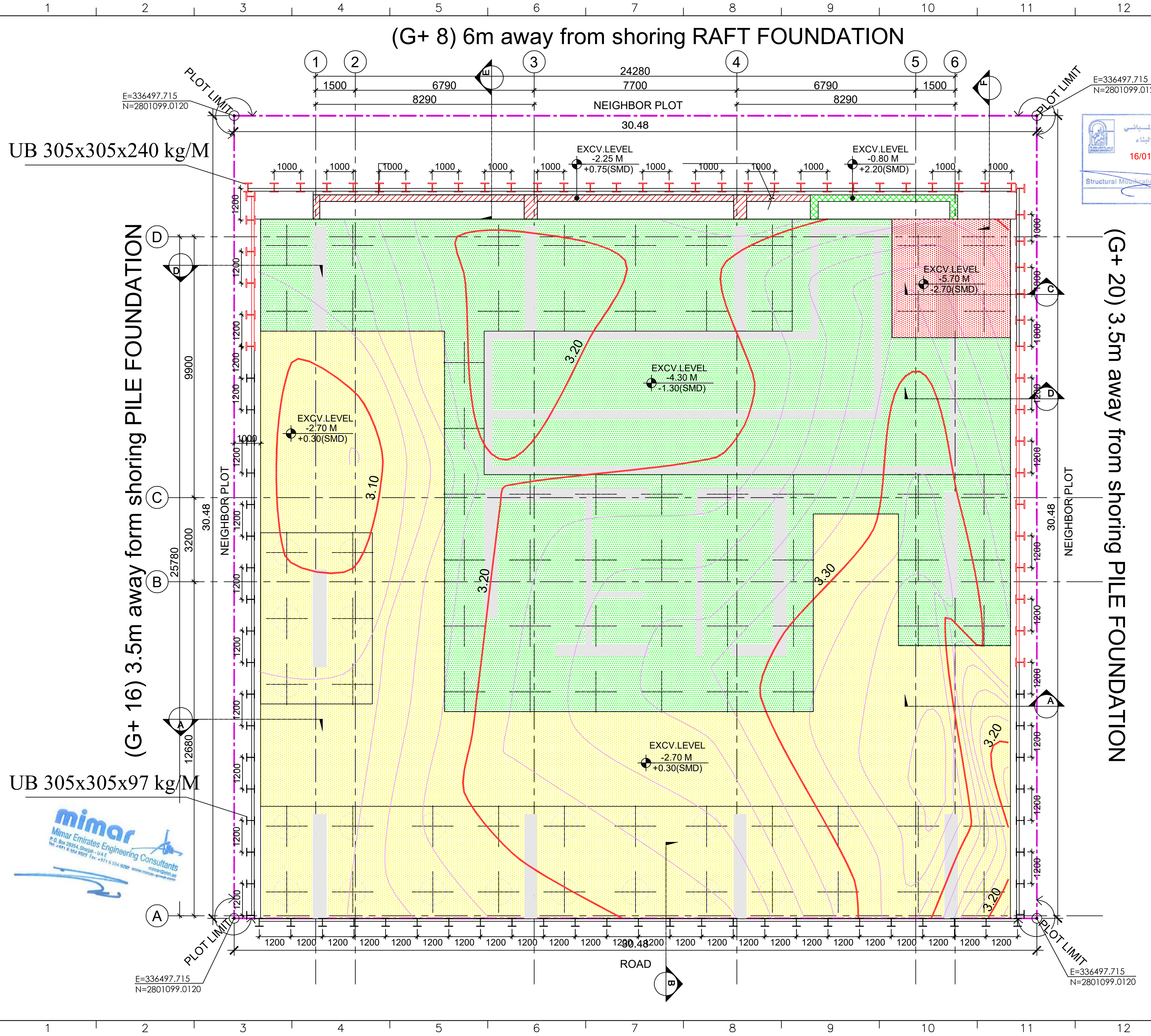
SHEET CONTENT

SHORING SECTION

HEAD OF SEC:

ARCH. DESIGNED BY:	DRAW BY:	T.P. DRAW BY:
ENG.	ENG.	ENG.
STRUCT. DESIGN BY:	DRAW BY:	
ENG. M.H	ENG. M.H	
ELECTRICAL DESIGN BY:	DRAW BY:	MUN. DRAW BY:
	ENG.	ENG.
SERVICES DESIGN BY:	DRAW BY:	
ENG.	ENG.	

JOB NO:	DRWG. NO :	
DATE	SCALE	REF. NO.
07-05-2023	1:100	
NO.	DATE	REVISIONS

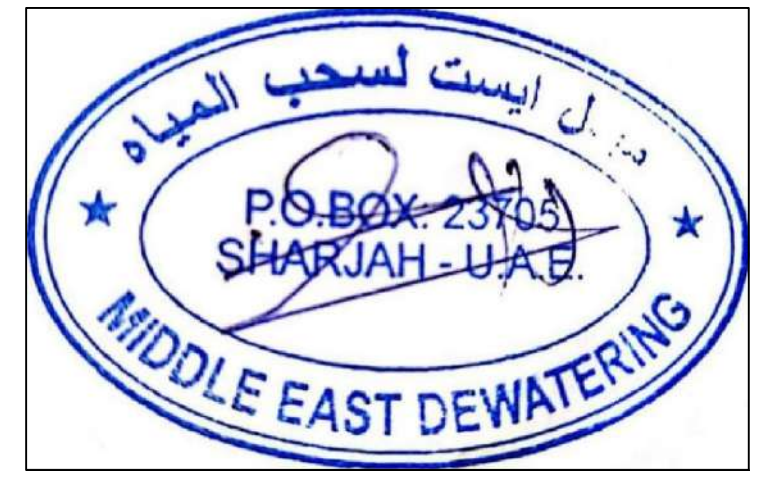


GENERAL NOTES :

- DO NOT SCALE FROM THIS DRAWING, IF IN DOUBT, ASK
- ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE NOTED.
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ARCH. $\pm 0.00 = +3.00$ SMD



SUB CONTRACTOR:		
MIDDLE EAST DEWATERING & FOUNDATION L.L.C		
T	08-03-2022	ISSUE FOR TENDER
REV. NO.	DATE	DESCRIPTION : APPROVAL.
		APVD BY

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CLIENT:

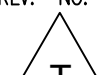
DEPARTMENT OF AWQAF

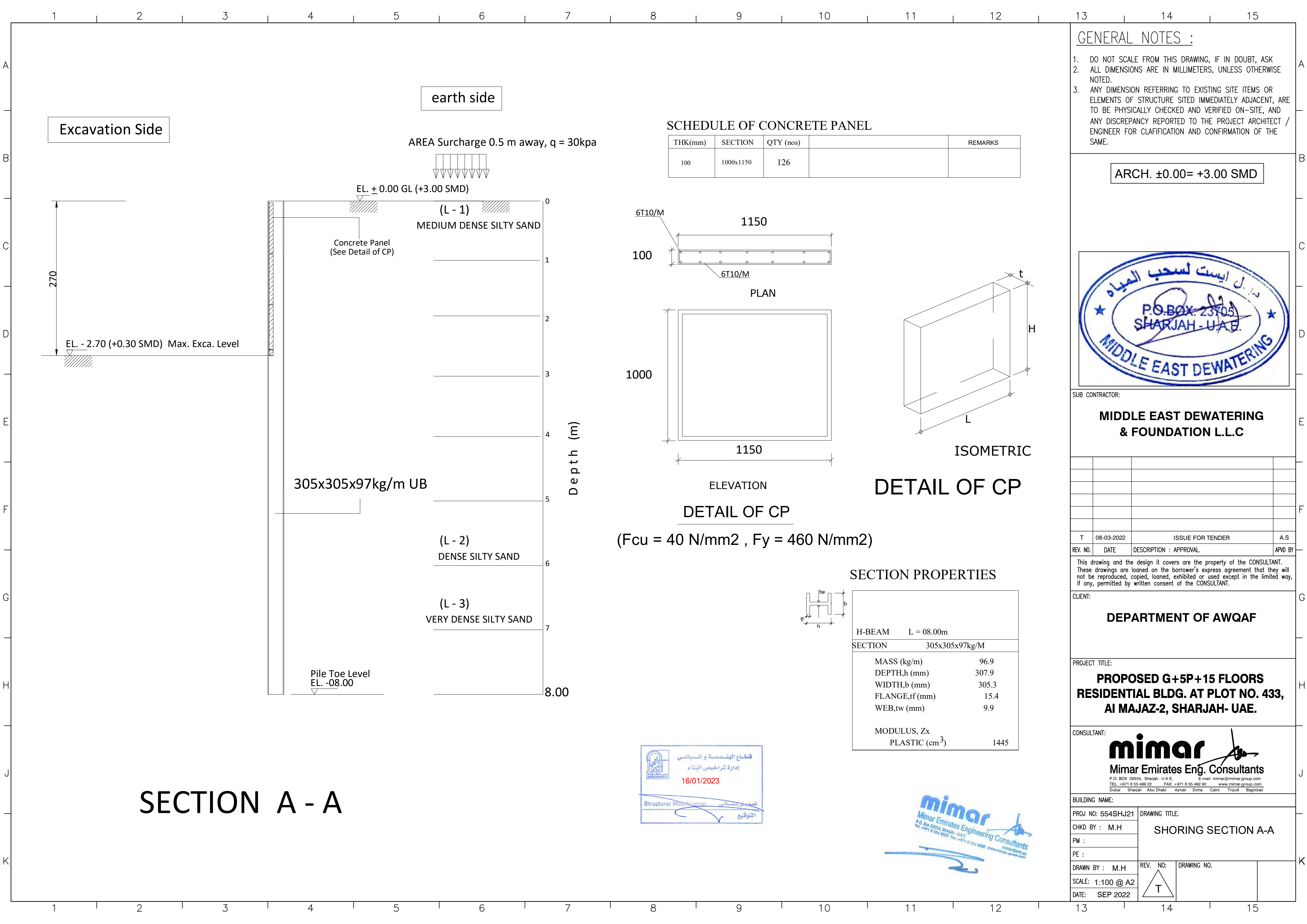
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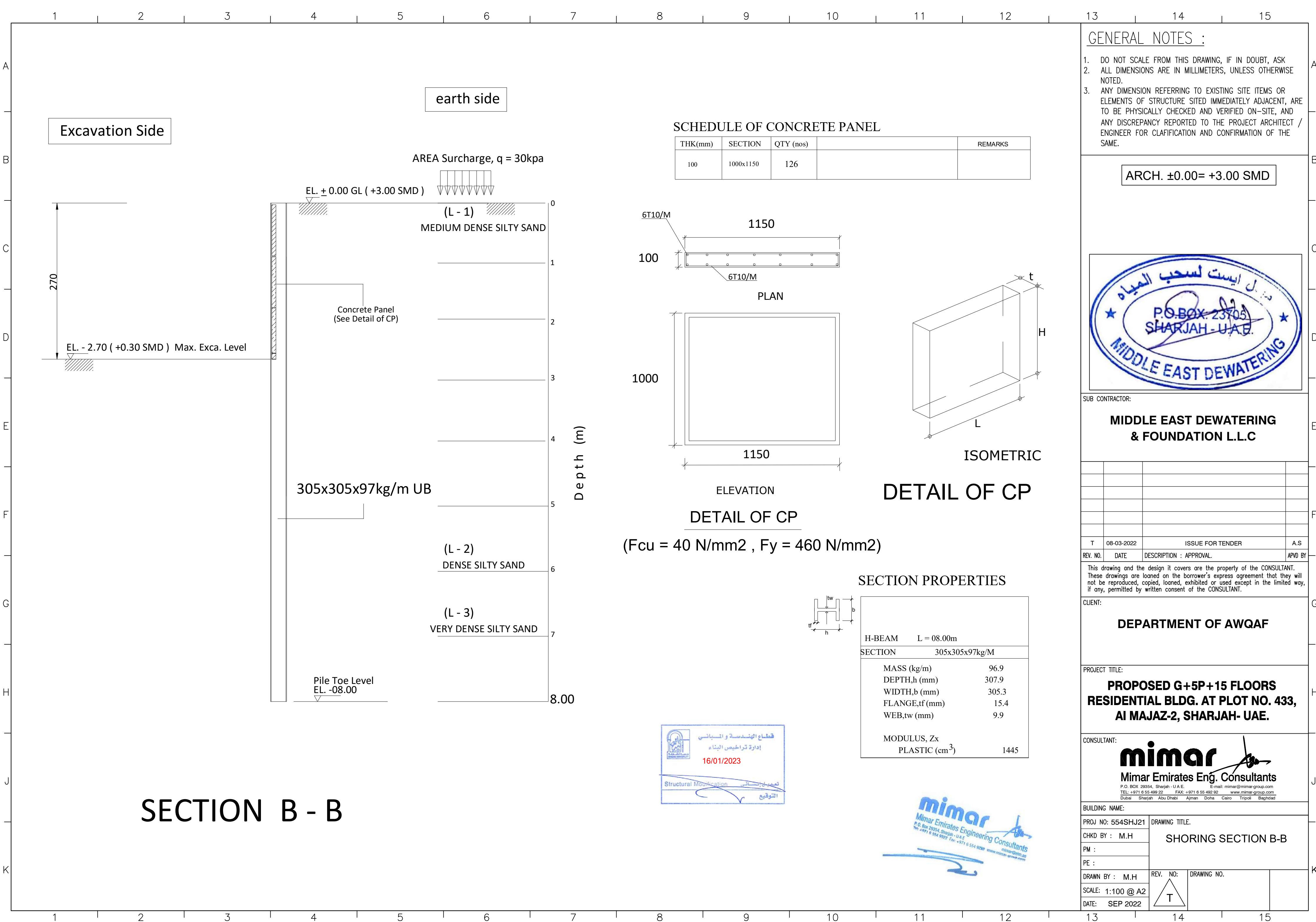
PROPOSED G+5P+15 FLOORS
RESIDENTIAL BLDG. AT PLOT NO. 433,
AI MAJAZ-2, SHARJAH- UAE.

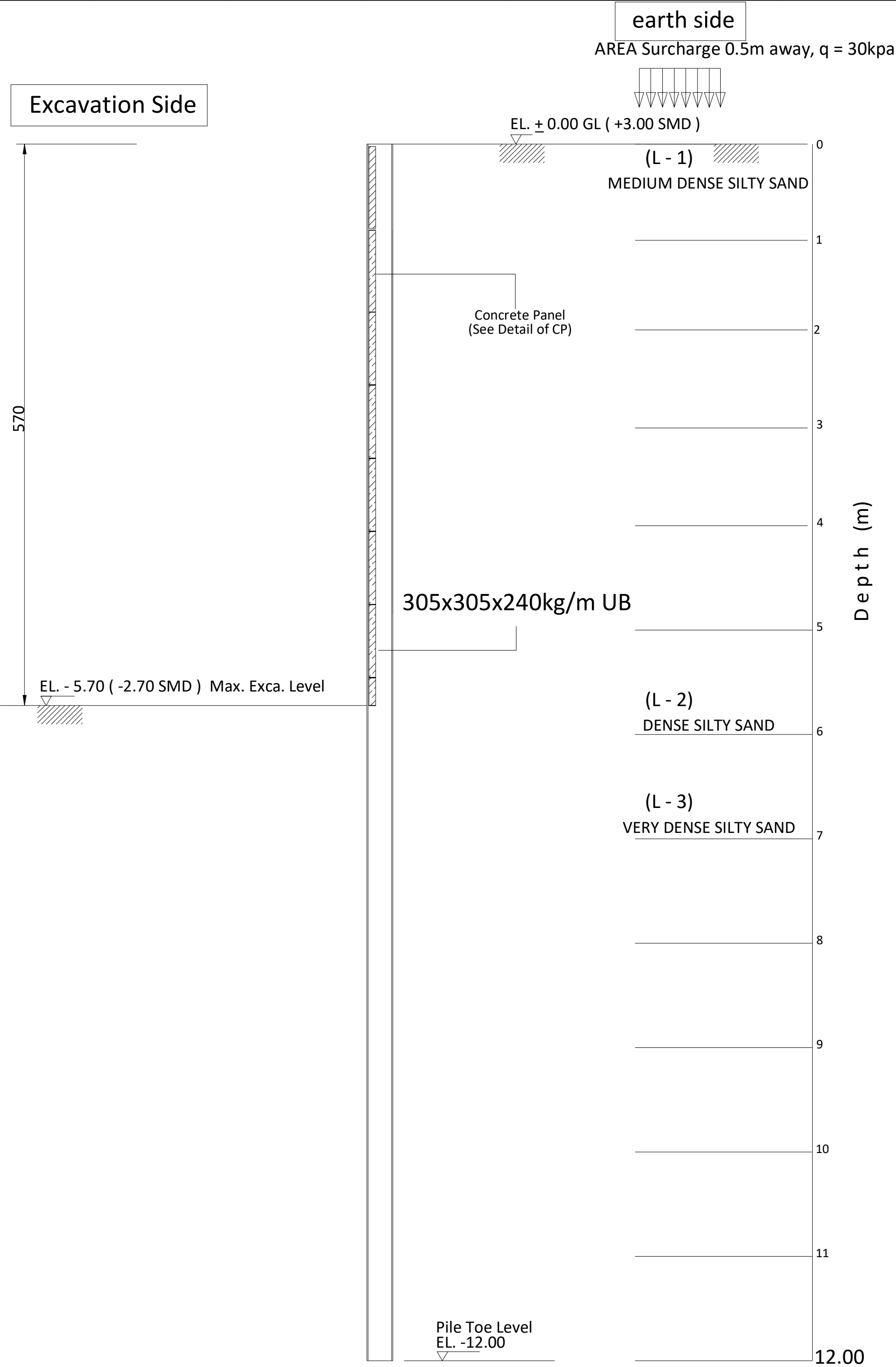
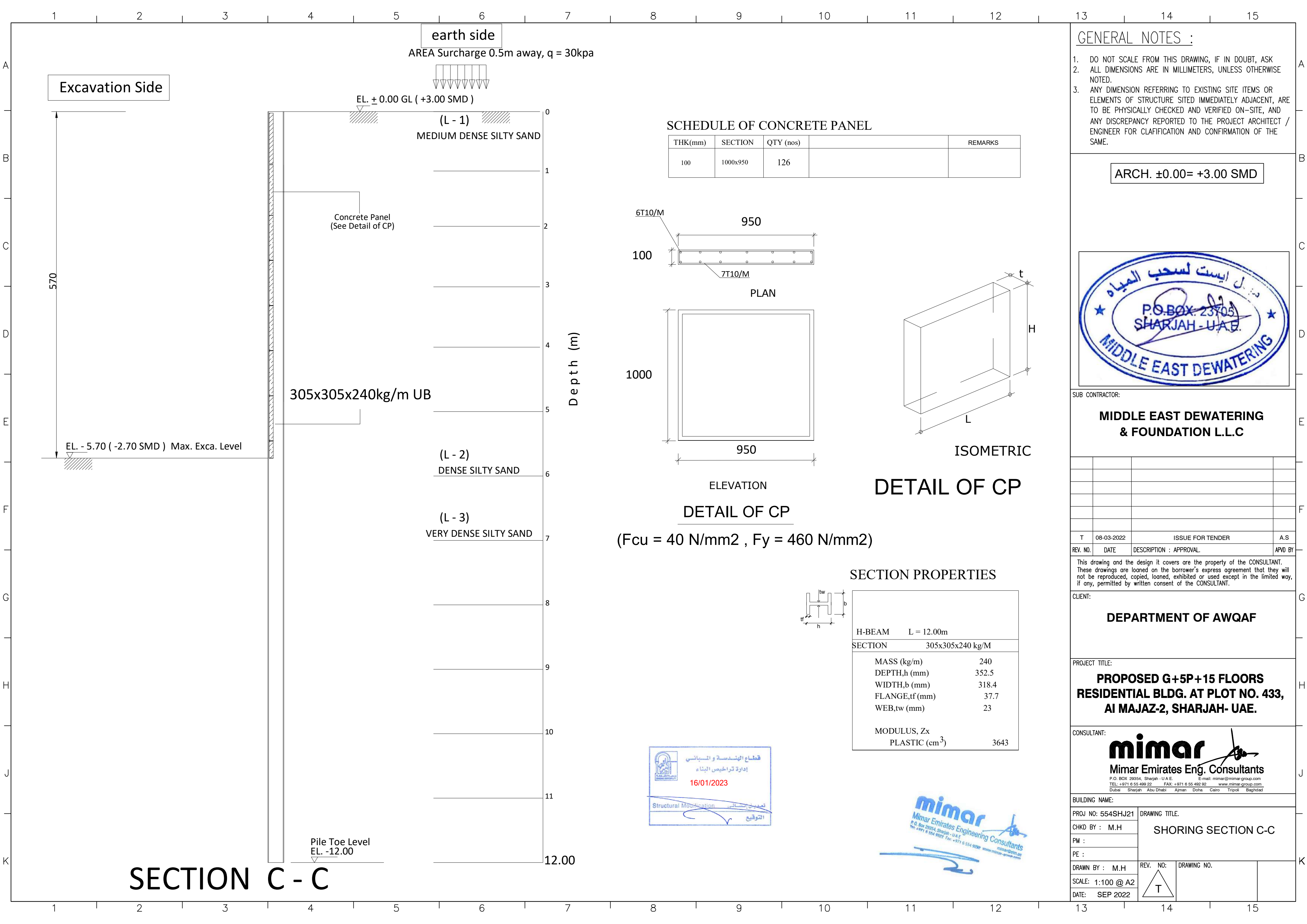
CONSULTANT:

mimar
Mimar Emirates Eng. Consultants
P.O. BOX: 28954, Sharjah - U.A.E. E-mail: mimar@mimar-group.com
TEL: +971 6 55 498 22 FAX: +971 6 55 492 92 www.mimar-group.com
Dubai Sharjah Abu Dhabi Ajman Doha Cairo Tripoli Baghdad

BUILDING NAME:		DRAWING TITLE:	
PROJ NO: 554SHJ21		SHORING LAYOUT	
CHKD BY : M.H			
PM :			
PE :			
DRAWN BY : M.H		REV. NO:	DRAWING NO.
SCALE: 1:100 @ A2			
DATE: SEP 2022			

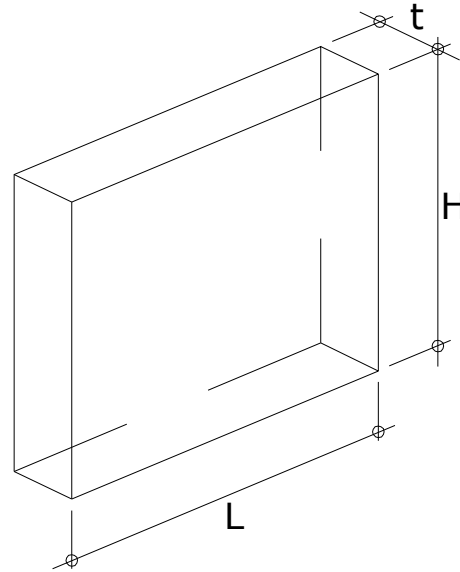
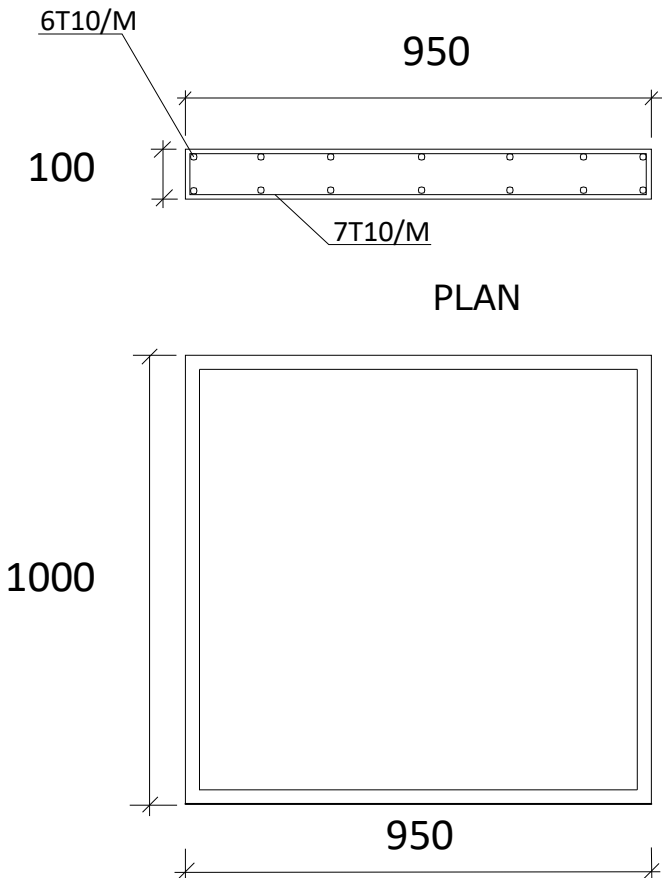






SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	QTY (nos)		REMARKS
100	1000x950	126		

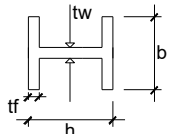


DETAIL OF CP

DETAIL OF CP

(Fcu = 40 N/mm2 , Fy = 460 N/mm2)

SECTION PROPERTIES



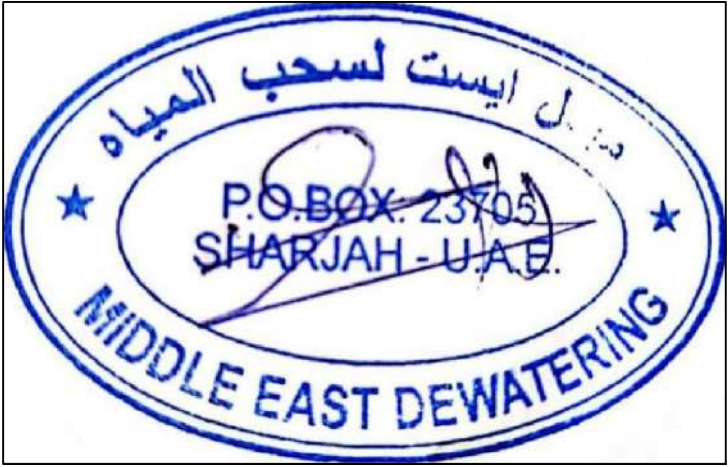
H-BEAM	L = 12.00m
SECTION	305x305x240 kg/M
MASS (kg/m)	240
DEPTH,h (mm)	352.5
WIDTH,b (mm)	318.4
FLANGE,tf (mm)	37.7
WEB,tw (mm)	23
MODULUS, Zx	
PLASTIC (cm ³)	3643



GENERAL NOTES :

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ARCH. ±0.00= +3.00 SMD



SUB CONTRACTOR:

MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

T	08-03-2022	ISSUE FOR TENDER	A.S
REV. NO.	DATE	DESCRIPTION : APPROVAL.	APVD BY

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CLIENT:

DEPARTMENT OF AWQAF

PROJECT TITLE:

PROPOSED G+5P+15 FLOORS
RESIDENTIAL BLDG. AT PLOT NO. 433,
AI MAJAZ-2, SHARJAH- UAE.

CONSULTANT:

mimar
Mimar Emirates Eng. Consultants
P.O. BOX 28354, Sharjah - U.A.E E-mail: mimar@mimar-group.com
TEL: +971 6 55 499 22 FAX: +971 6 55 492 92 www.mimar-group.com
Dubai Sharjah Abu Dhabi Ajman Doha Cairo Tripoli Baghdad

BUILDING NAME:

PROJ NO: 554SHJ21

CHKD BY : M.H

PM :

PE :

DRAWN BY : M.H

SCALE: 1:100 @ A2

DATE: SEP 2022

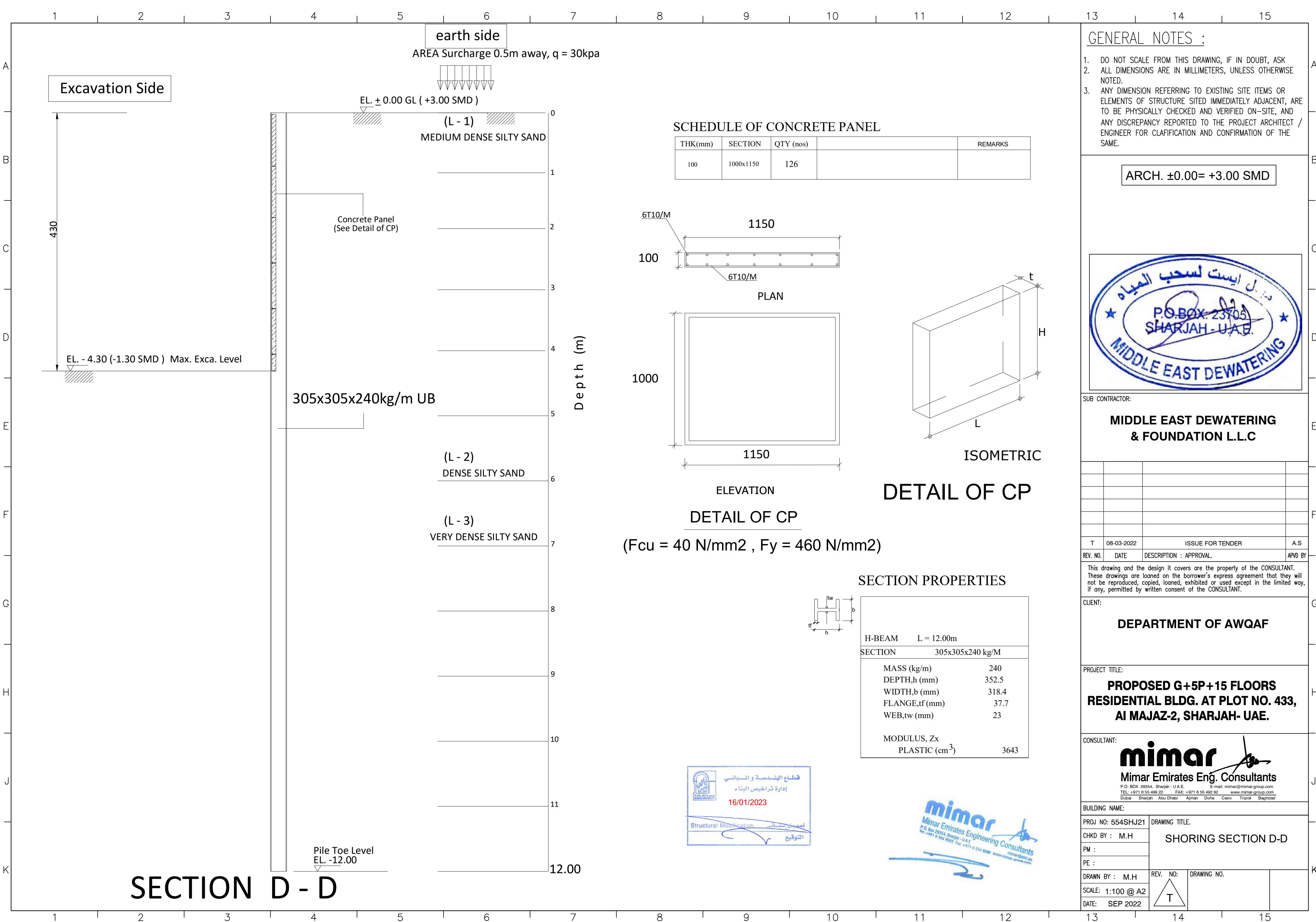
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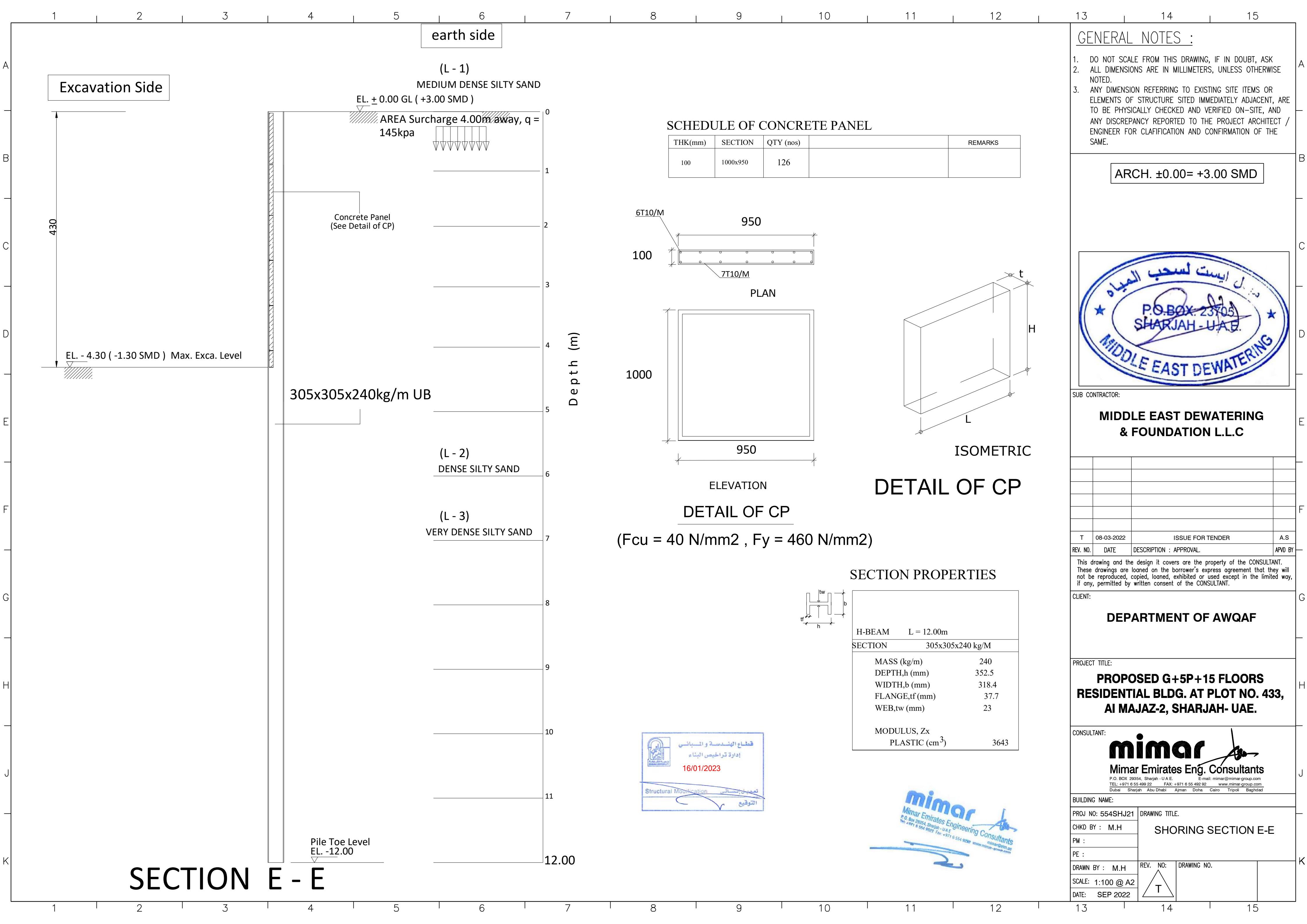
SHORING SECTION C-C

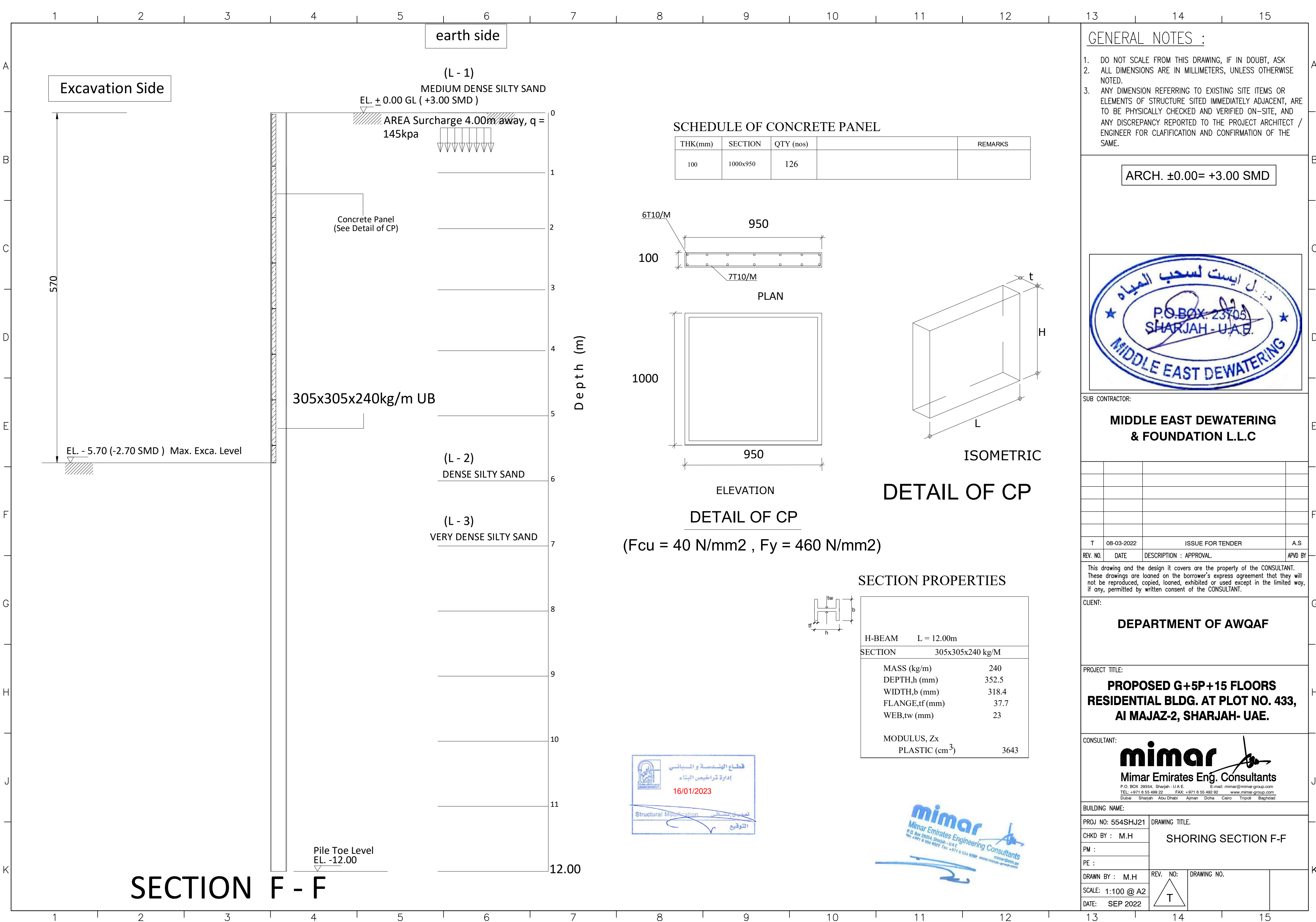
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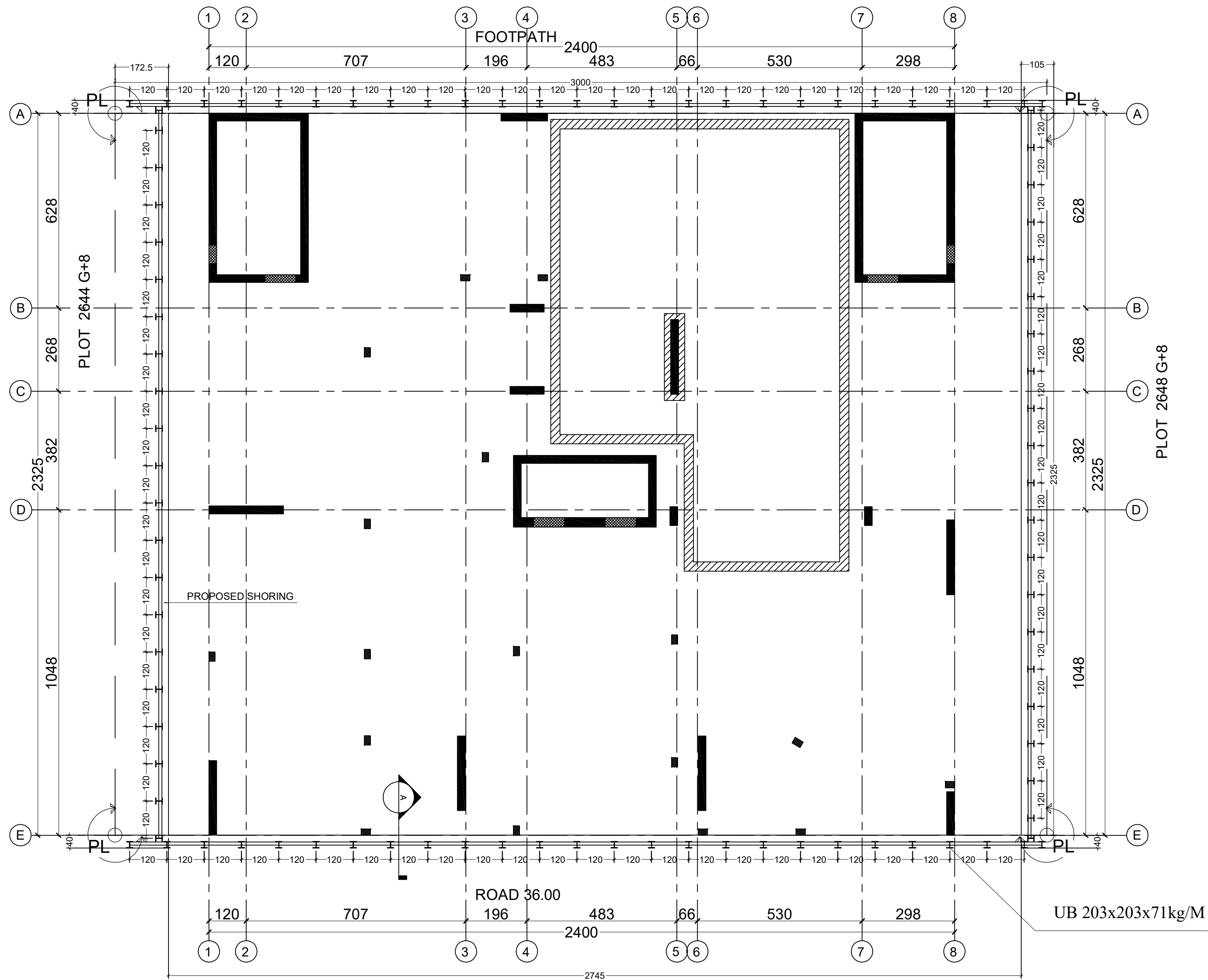
DRAWING NO.

T









SHORING LAYOUT

NOTES:-

- 1) DO N'T SCALE FROM THE DRAWING. FOLLOW THE WRITTEN DIMENSION ONLY.
- 2) ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED AT SITE AND REFER TO THE CONSULTANT ON ANY DISCREPANCY BEFORE STARTING THE WORK.
- 3) THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL & SERVICE DRAWINGS.
- 4) OVERLAPPING FOR TOP STEEL MUST BE AWAY FROM SUPPORT MOR THAN L/3.
- 5) OVERLAPPING FOR BOTTOM STEEL MUST BE ON SUPPORT ONLY.
- 6) PROVIDE 3T16 TOP & BOTTOM IN THE EDGES OF SLAB WHERE THERE ARE NO BEAMS OR EXTRA REINF.
- 7) T = TOP STEEL
B = BOTTOM STEEL
L=L1 OR L2(WHICH BIGGER)
FY=460N/mm2
Fcu=45N/mm2 STRENGTH AFTER 28 DAYS
- 8) COPY RIGHT FOR THESE PLANS, SKETCHES, DRAWINGS, GRAPHIC REPRESENTATIONS AND SPECIFICATIONS ARE RESERVED FOR AL ALAM ENGINEERING CONSULTANT.SHOULD BE NOT USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE CONSULTANT. VIOLATION OF ABOVE WILL TAKE INTO LEGAL ACTION.



SUB CON. : MIDDLE EAST DEWATERING & FOUNDATION L.L.C



AREA : COMMERCIAL / MUWAILAH

PLOT NO: GOVERNMENTAL 2646 PROPERTY 423

PROJECT: PROPOSED (G+2P+5+R)

CLIENT: MR. SALEM ISMAIL FAIROUZ ALHARTHI

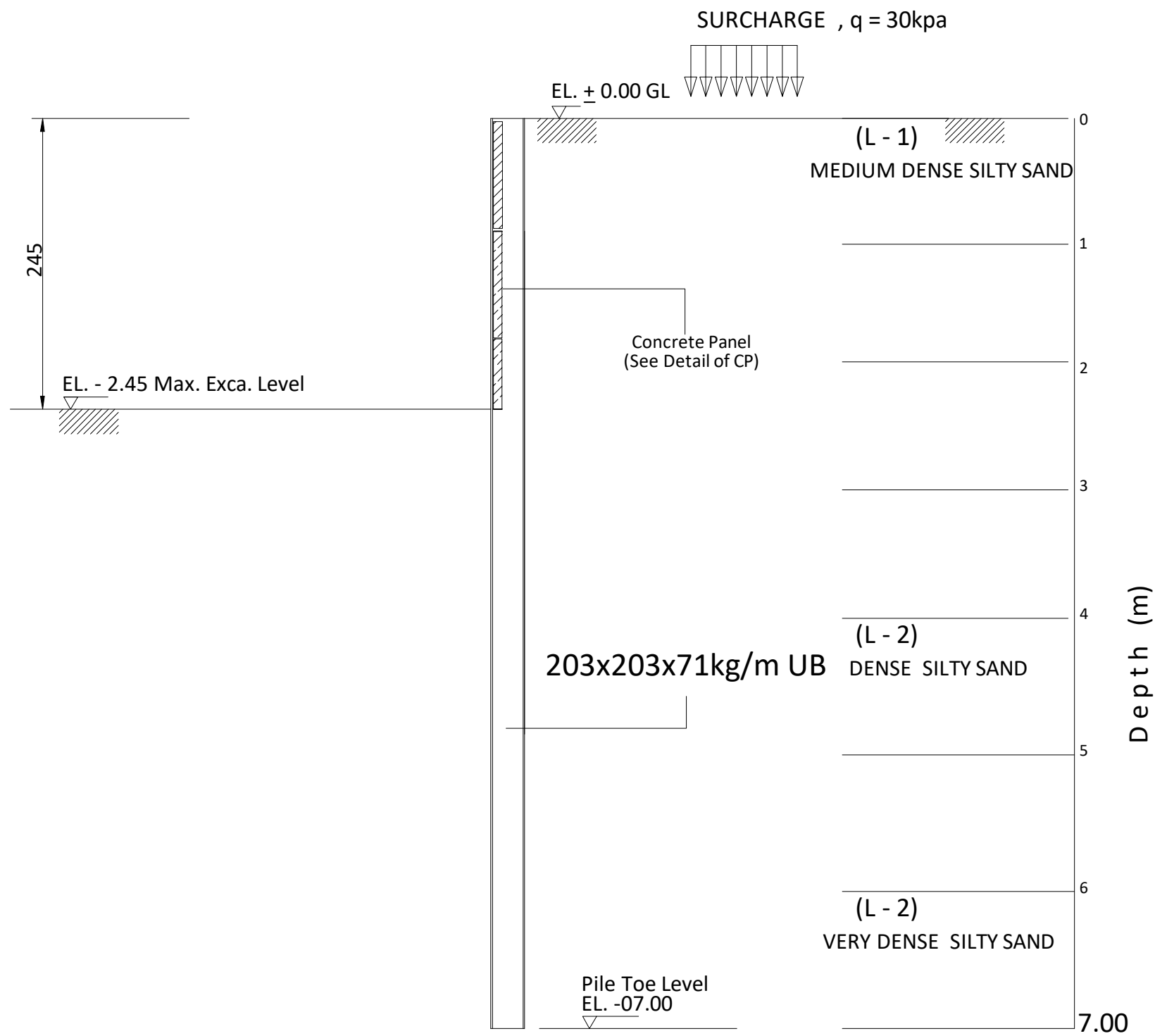
DRAWING TITLE: SHORING LAYOUT



Date: 03/2023 Drawn By: M.H
Scale: 1:100 Design By: M.H
Sheet No: ST 06 Checked By: H.S
JOB No: 648

Excavation Side

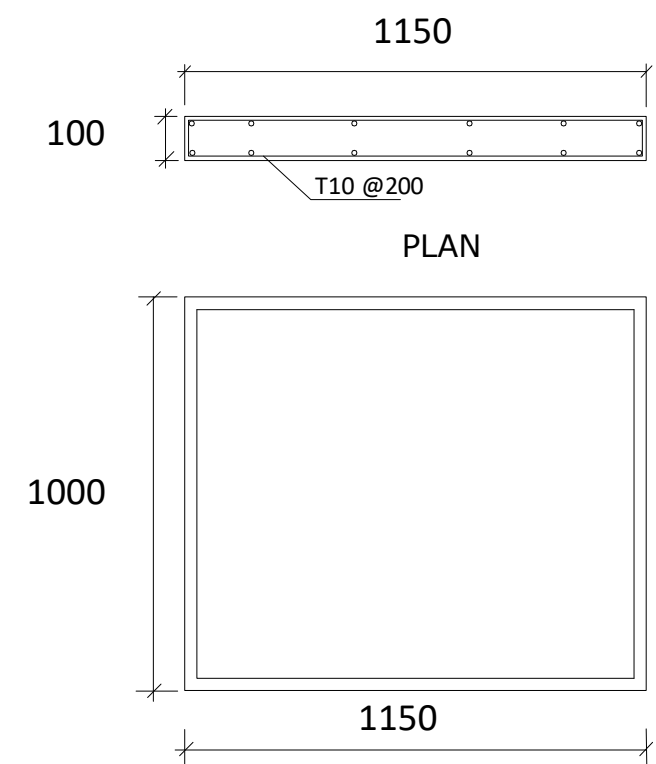
earth side



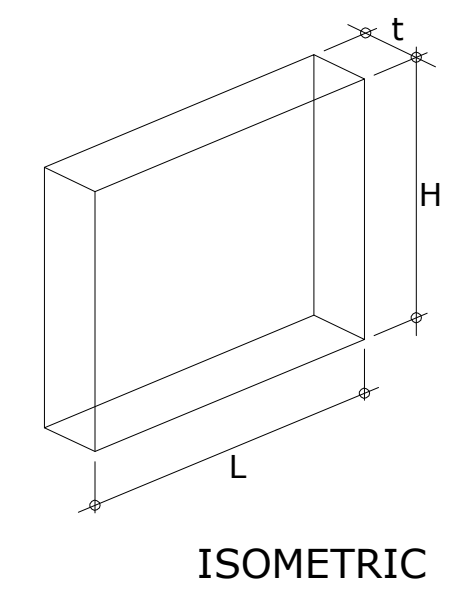
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		

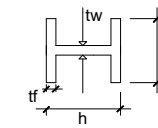


DETAIL OF CP



DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 07.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	

NOTES:-

- DO N'T SCALE FROM THE DRAWING. FOLLOW THE WRITTEN DIMENSION ONLY.
- ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED AT SITE AND REFER TO THE CONSULTANT ON ANY DISCREPANCY BEFORE STARTING THE WORK.
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- OVERLAPPING FOR BOTTOM STEEL MUST BE ON SUPPORT ONLY.
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- T = TOP STEEL
B = BOTTOM STEEL
L=L1 OR L2(WHICH BIGGER)
FY=460N/mm2
Fcu=45N/mm2 STRENGTH AFTER 28 DAYS
- COPY RIGHT FOR THESE PLANS, SKETCHES, DRAWINGS, GRAPHIC REPRESENTATIONS AND SPECIFICATIONS ARE RESERVED FOR AL ALAM ENGINEERING CONSULTANT.SHOULD BE NOT USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE CONSULTANT. VIOLATION OF ABOVE WILL TAKE INTO LEGAL ACTION.



SUB CON. : MIDDLE EAST DEWATERING & FOUNDATION L.L.C



AREA : COMMERCIAL / MUWAILAH

PLOT NO: GOVERNMENTAL 2646 PROPERTY 423

PROJECT: PROPOSED (G+2P+5+R)

CLIENT: MR. SALEM ISMAIL FAIROUZ ALHARTHI

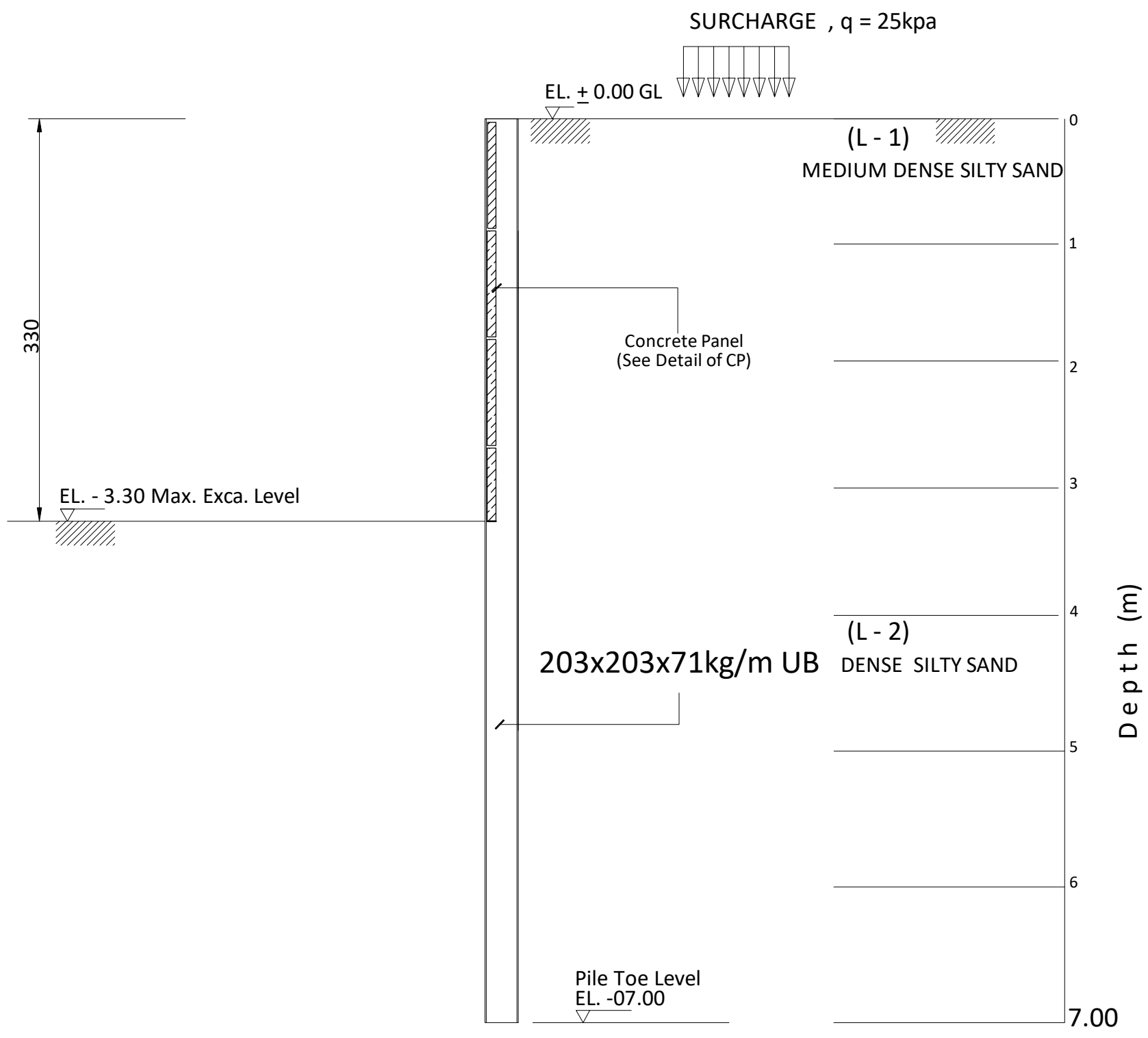
DRAWING TITLE: SHORING SECTION A



Date: 03/2023 Drawn By: M.H
Scale: 1:100 Design By: M.H
Sheet No: ST 06 Checked By: H.S
JOB No: 648

Excavation Side

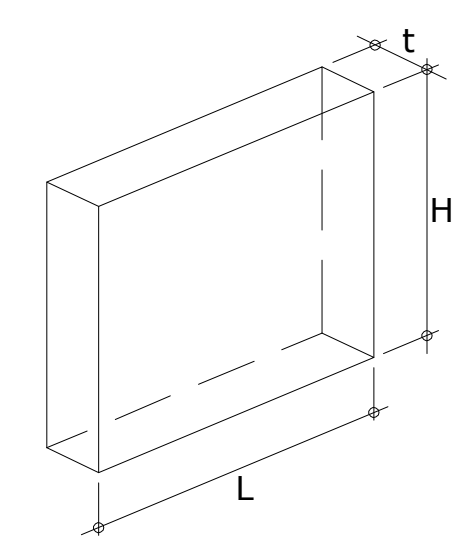
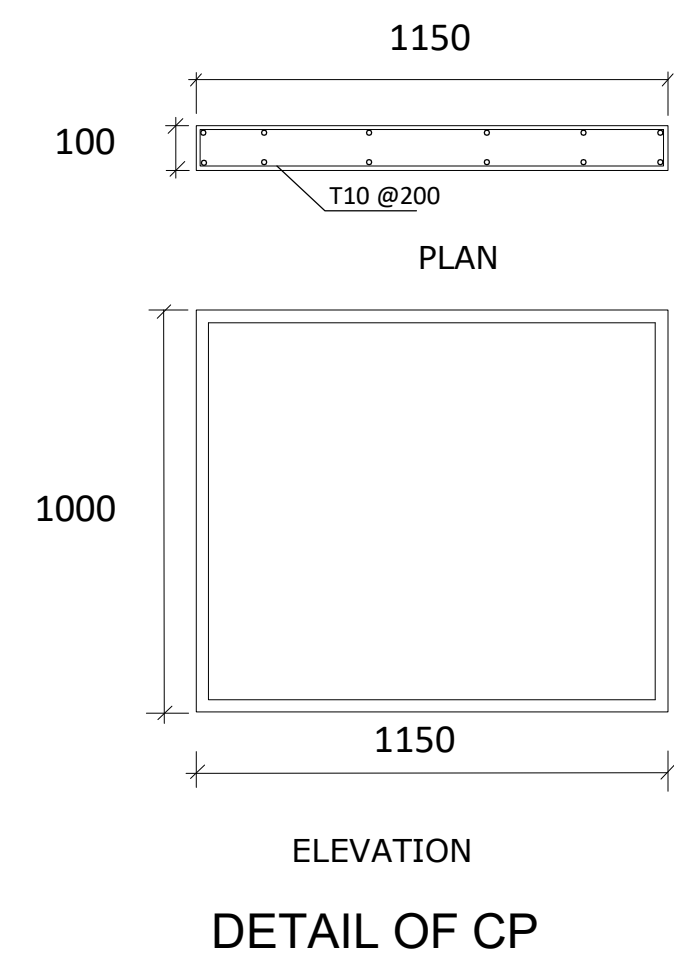
earth side



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



SECTION PROPERTIES

H-BEAM	L = 07.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,t _f (mm)	17.3	
WEB,t _w (mm)	10	
MODULUS, Z _x		
PLASTIC (cm ³)	706	

GENERAL NOTES:-

1. IT IS NOT ALLOWED TO REPRODUCE THIS SHEET'S CONTENTS IN ANY FORM EXCEPT FOR THE PURPOSE FOR WHICH IT IS INTENDED.
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3. ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.
4. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT SECURING WRITTEN PERMISSION FROM THE ARCHITECT.
5. ALL WORK AS OUTLINED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.

قطاع الهندسة والمباني
إدارة تراخيص البناء
02/08/2023
تعديل انشائي
التوقيع

م. ل. ابيست لسحب المياه
P.O. Box 23703
SHARJAH - U.A.E.
MIDDLE EAST DEWATERING

HARMONY ART
Engineering Consultants
P.O. Box : 71343
info@harmonyart.ae
www.harmonyart.ae

هارموني آرت
الاستشارات الهندسية
Tcl : 0097163501608
Mob : 00971539663730

SUB CONTRACTOR
MIDDLE EAST DEWATERING & FOUNDATION L.L.C.

CLIENT
MR:YAQOOB ABDUL RAHIM
MUHAMED BIN KARAM AL FARSI

PROPOSED PROJECT
PROPOSED BUILDING G+5 PARKING
+ 15 TYPICAL+H.C

PLOT LOCATION SECTOR : Al Nahda
PLOT NO : 120 MULK | PLOT GOV : 295

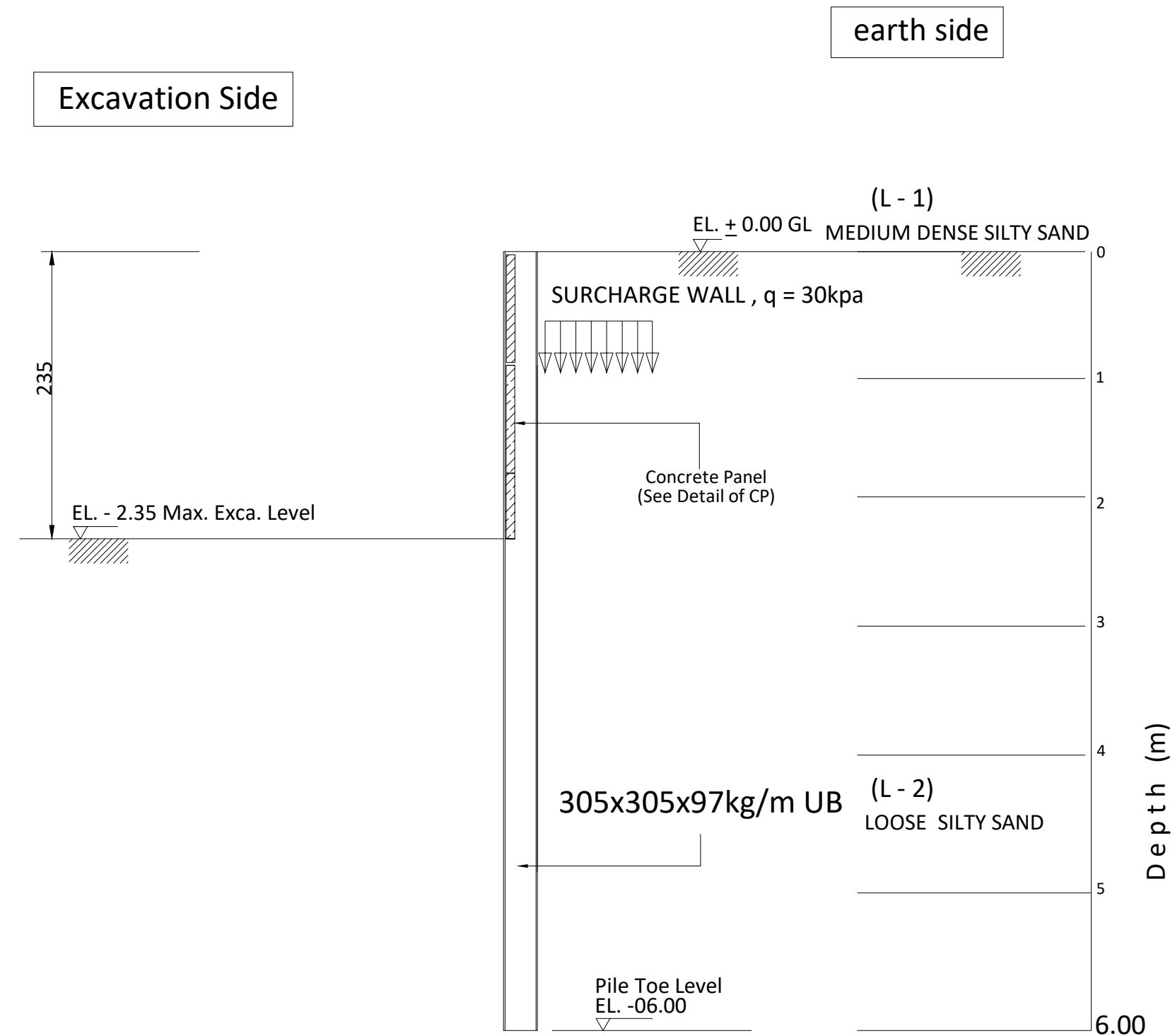
SHEET CONTENT
SHORING SECTION

HEAD OF SEC:

ARCH. DESIGNED BY: ENG.	DRAW BY: ENG.	T.P. DRAW BY: ENG.
STRUCT. DESIGN BY: ENG. M.H	DRAW BY: ENG. M.H	
ELECTRICAL DESIGN BY: ENG.	DRAW BY: ENG.	MUN. DRAW BY: ENG.
SERVICES DESIGN BY: ENG.	DRAW BY: ENG.	

JOB NO:	DRWG. NO :
DATE 07-05-2023	SCALE 1:100
REF. NO.	
NO.	DATE

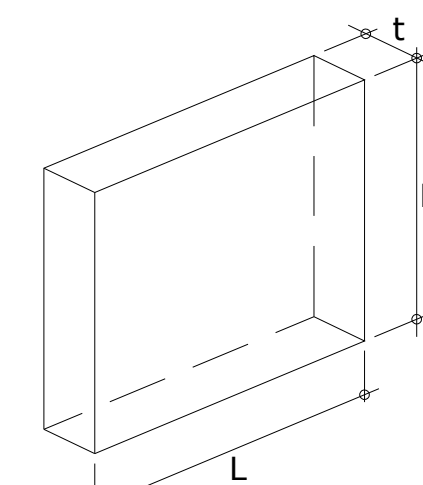
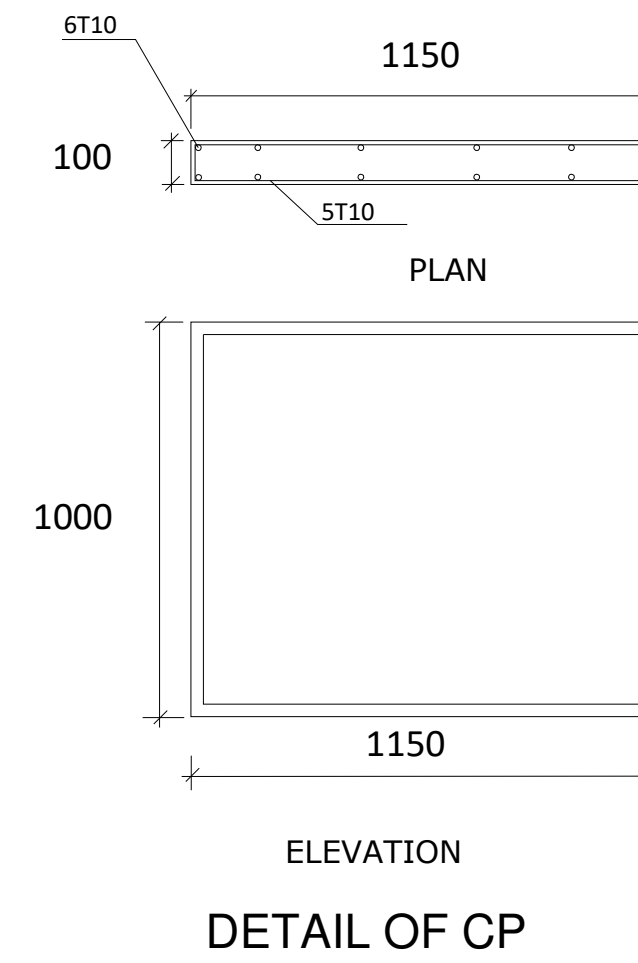
R E V I S I O N S



SECTION A - A

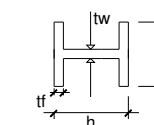
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



ISOMETRIC
DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



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- READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL, STRUCTURAL AND SERVICES, ID, LANDSCAPING DRAWINGS, SPECIFICATIONS, DETAILS AND CONTRACT DOCUMENTS.
- PREPARE WORKING DETAILED DRAWING FOR APPROVAL IF REQUIRED BY CONSULTANT.
- VERIFY ALL DIMENSIONS PRIOR TO EXECUTION.
- THE CONTRACTOR AND HIS SUBCONTRACTORS ARE TO VERIFY ALL DIMENSIONS ON SITE BEFORE MAKING ANY SHOP DRAWINGS AND BEFORE EXECUTING THE WORKS.
- ANY DISCREPANCIES EITHER BETWEEN WRITTEN DIMENSIONS OR BETWEEN THIS DRAWING AND OTHER CONSULTANTS OR SUPPLIERS DRAWING SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF ALL CONCERNED BEFORE EXECUTING THE WORKS.
- FOR ELEMENTS WITH INDICATIVE DESIGN, THE CONTRACTOR(S) SHALL PREPARE CONSTRUCTION DETAILS FOR CONSULTANT APPROVAL PRIOR TO EXECUTION OF WORKS.

IMPORTANT NOTE :
THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS CONTAINED IN TENDER AND CONTRACT DOCUMENTS .
VOLUME - THE CONTRACTOR SHALL ENSURE COMPLIANCE TO DRAWINGS AND SPECIFICATIONS IN HIS LUMP SUM TENDER PRICE AND THE PRICED B.O.Q. THE WORK SHALL BE EXECUTED ACCORDINGLY IN COMPLETE COMPLIANCE.



SUB CONTRACTOR :
MIDDLE EAST DEWATERING & FOUNDATION
L.L.C

REV.	DESCRIPTION	DATE
0	FOR MUNICIPALITY	25-08-2022
...	...	...
...	...	...

THIS DRAWING IS ISSUED FOR:

☐ CLIENT REVIEW / APPROVAL	☐ TOWN PLANNING
☐ COORDINATION	☐ SEWA
☐ TENDER	☐ ETISALAT
☐ CONSTRUCTION	☐ CIVIL DEFENSE
☐ AUTHORITY	☒ MUNICIPALITY

CLIENT:
DAMAS REAL ESTATE (SHARJAH BRANCH)
LLC

CONSULTANT



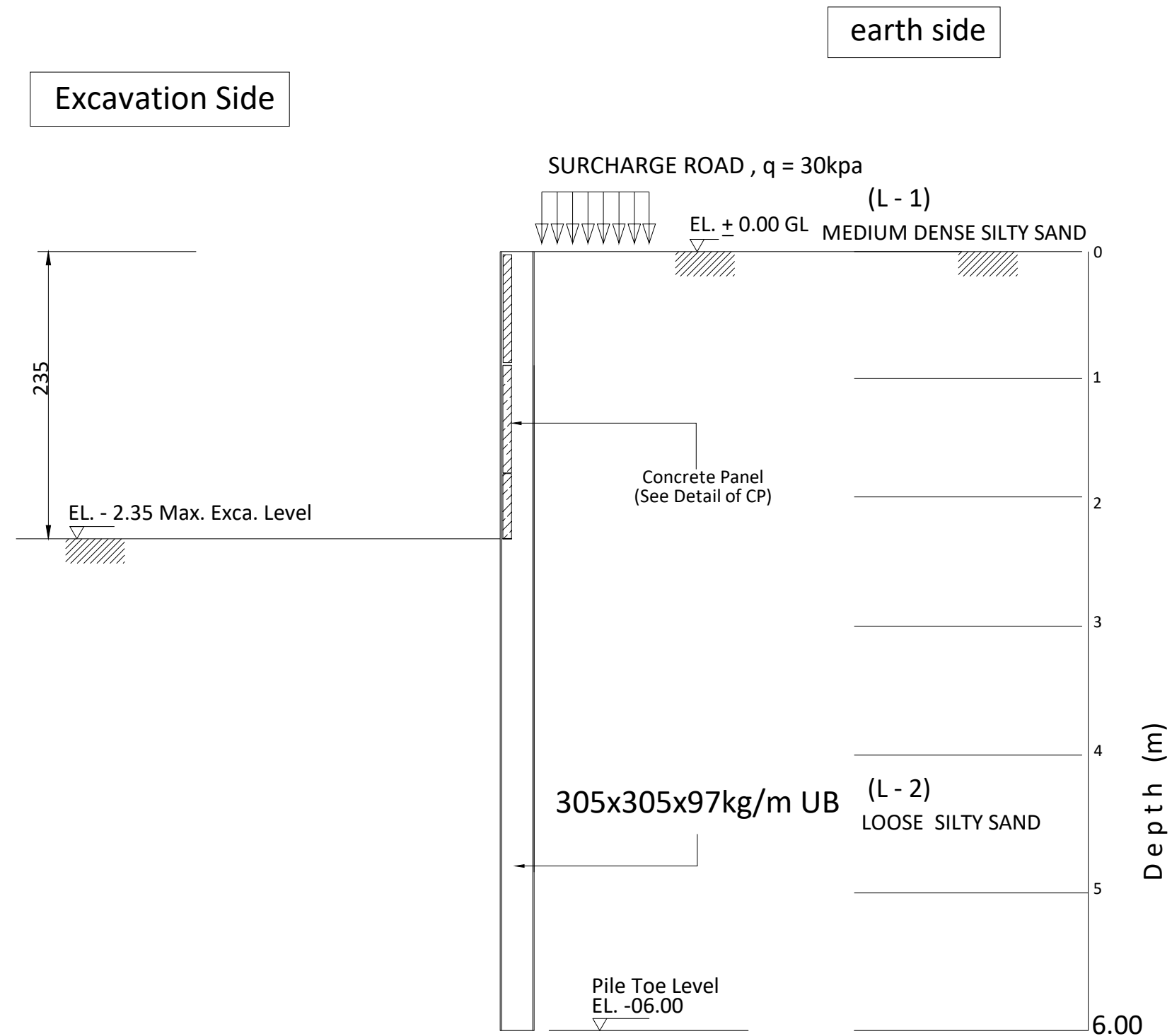
LOCATION	BLOCK NAME	PLOT NO
AL - FISHT DAHEYAT AL HAYRA		3, 4, 9, 10

PROJECT :
MODIFICATION OF 2 NO.S OF
G+1 VILLAS (HOTEL) TO RESTAURANTS
+ PROPOSED : 2 G SERVICE BLOCKS
+ CAR PARKING + BOUNDARY WALL

DRAWING TITLE:
SHORING SECTION A-A

DESIGN ARCH.		CHECKED BY
PROJECT ARCH.		KHALID
STRUC.	KHALID	SCALE:
MEP		
DRAWN	M. RASHID	

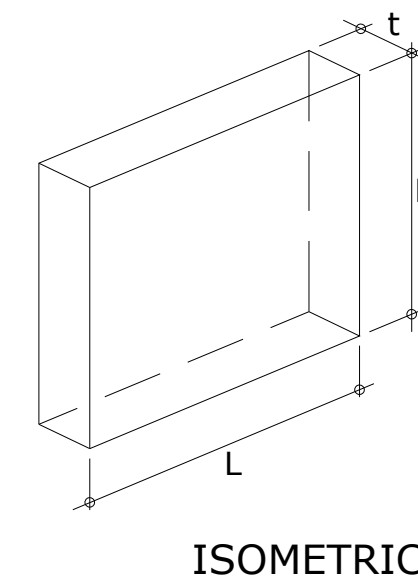
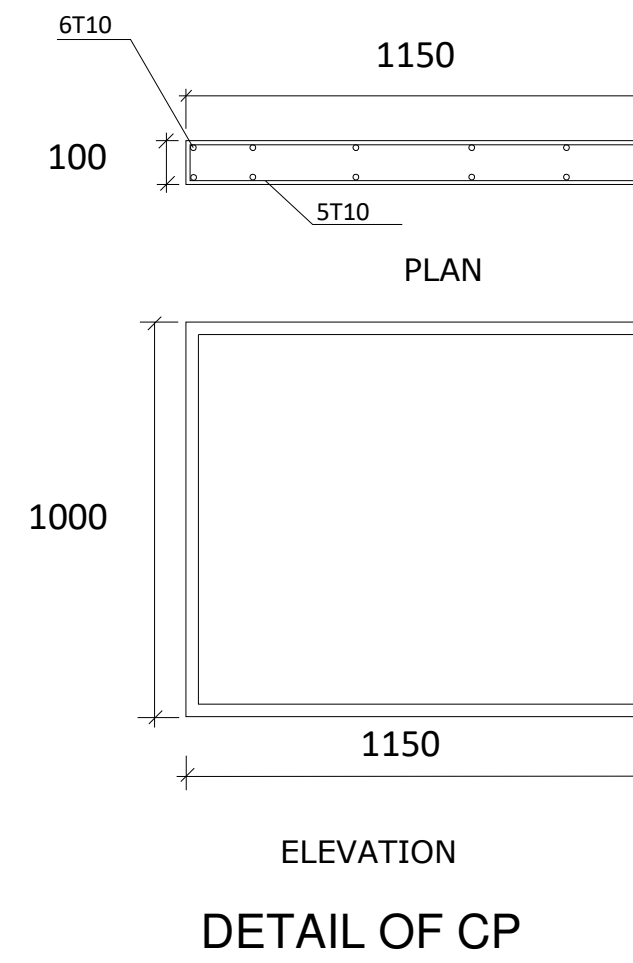
JOB NO:	DWG NO:	REV. NO.
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SECTION B - B

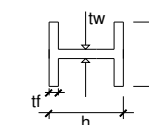
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



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SUB CONTRACTOR :
MIDDLE EAST DEWATERING & FOUNDATION
L.L.C

REV.	DESCRIPTION	DATE
0	FOR MUNICIPALITY	25-08-2022
...	...	...
...	...	...

THIS DRAWING IS ISSUED FOR:

☐ CLIENT REVIEW / APPROVAL	☐ TOWN PLANNING
☐ COORDINATION	☐ SEWA
☐ TENDER	☐ ETISALAT
☐ CONSTRUCTION	☐ CIVIL DEFENSE
☐ AUTHORITY	☒ MUNICIPALITY

CLIENT:
DAMAS REAL ESTATE (SHARJAH BRANCH)
LLC

CONSULTANT



LOCATION	BLOCK NAME	PLOT NO
AL - FISHT DAHEYAT AL HAYRA		3, 4, 9, 10

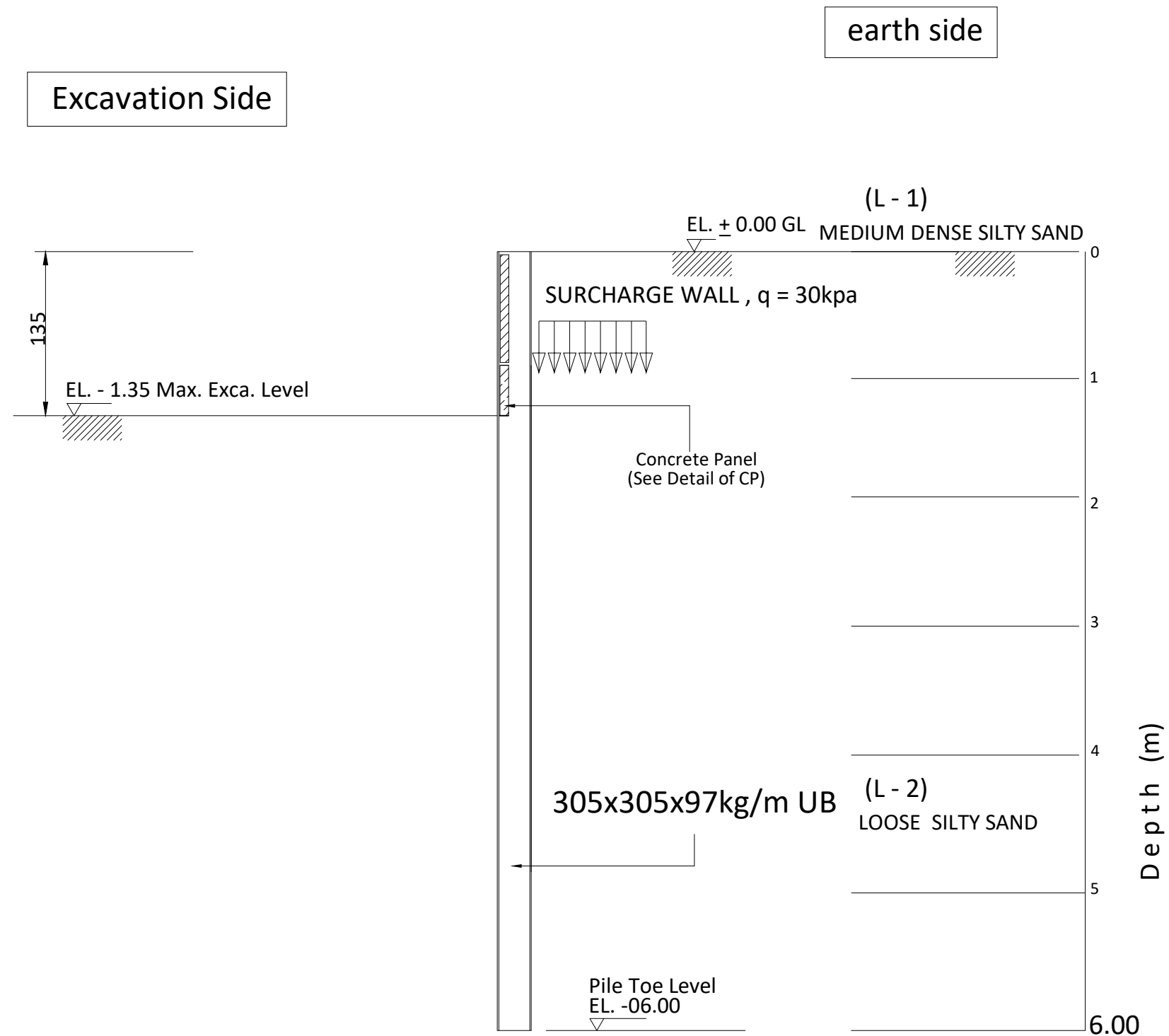
PROJECT:
MODIFICATION OF 2 NO.S OF
G+1 VILLAS (HOTEL) TO RESTAURANTS
+ PROPOSED: 2 G SERVICE BLOCKS
+ CAR PARKING + BOUNDARY WALL

DRAWING TITLE:
SHORING SECTION B-B

DESIGN ARCH.		CHECKED BY
PROJECT ARCH.		KHALID
STRUC.	KHALID	SCALE:
MEP		
DRAWN	M. RASHID	

JOB NO:	DWG NO:	REV. NO.
---	S-05	

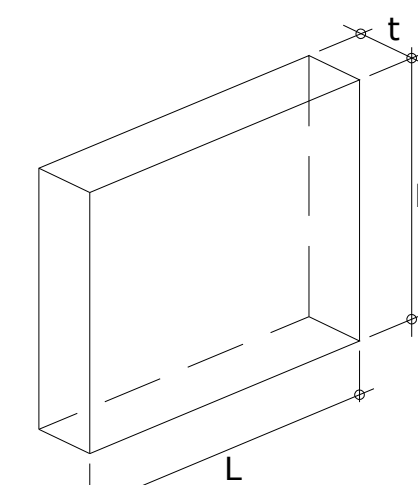
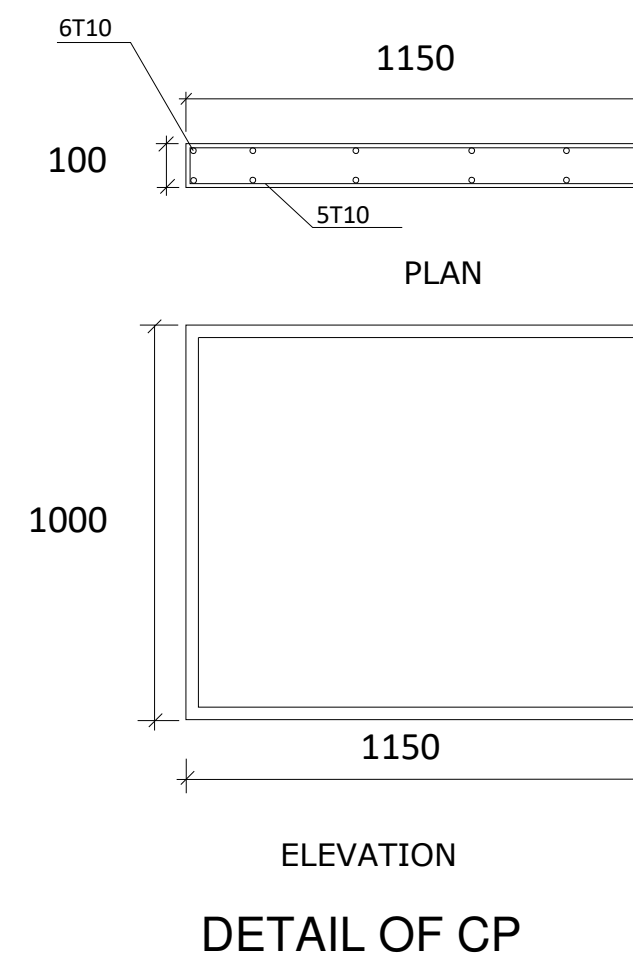
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SECTION C - C

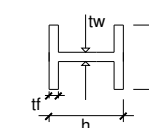
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



ISOMETRIC
DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



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- DO NOT SCALE THIS DRAWING.
- READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL, STRUCTURAL AND SERVICES, ID, LANDSCAPING DRAWINGS, SPECIFICATIONS, DETAILS AND CONTRACT DOCUMENTS.
- PREPARE WORKING DETAILED DRAWING FOR APPROVAL IF REQUIRED BY CONSULTANT.
- VERIFY ALL DIMENSIONS PRIOR TO EXECUTION.
- THE CONTRACTOR AND HIS SUBCONTRACTORS ARE TO VERIFY ALL DIMENSIONS ON SITE BEFORE MAKING ANY SHOP DRAWINGS AND BEFORE EXECUTING THE WORKS.
- ANY DISCREPANCIES EITHER BETWEEN WRITTEN DIMENSIONS OR BETWEEN THIS DRAWING AND OTHER CONSULTANTS OR SUPPLIERS DRAWING SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF ALL CONCERNED BEFORE EXECUTING THE WORKS.
- FOR ELEMENTS WITH INDICATIVE DESIGN, THE CONTRACTOR(S) SHALL PREPARE CONSTRUCTION DETAILS FOR CONSULTANT APPROVAL PRIOR TO EXECUTION OF WORKS.

IMPORTANT NOTE :
THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS CONTAINED IN TENDER AND CONTRACT DOCUMENTS .VOLUME -- THE CONTRACTOR SHALL ENSURE COMPLIANCE TO DRAWINGS AND SPECIFICATIONS IN HIS LUMP SUM TENDER PRICE AND THE PRICED B.O.Q. THE WORK SHALL BE EXECUTED ACCORDINGLY IN COMPLETE COMPLIANCE.



SUB CONTRACTOR :
MIDDLE EAST DEWATERING & FOUNDATION
L.L.C

REV.	DESCRIPTION	DATE
0	FOR MUNICIPALITY	25-08-2022
...	...	...
...	...	...

THIS DRAWING IS ISSUED FOR:

☐ CLIENT REVIEW / APPROVAL	☐ TOWN PLANNING
☐ COORDINATION	☐ SEWA
☐ TENDER	☐ ETISALAT
☐ CONSTRUCTION	☐ CIVIL DEFENSE
☐ AUTHORITY	☒ MUNICIPALITY

CLIENT:
DAMAS REAL ESTATE (SHARJAH BRANCH)
LLC

CONSULTANT



LOCATION	BLOCK NAME	PLOT NO
AL - FISHT DAHEYAT AL HAYRA		3, 4, 9, 10

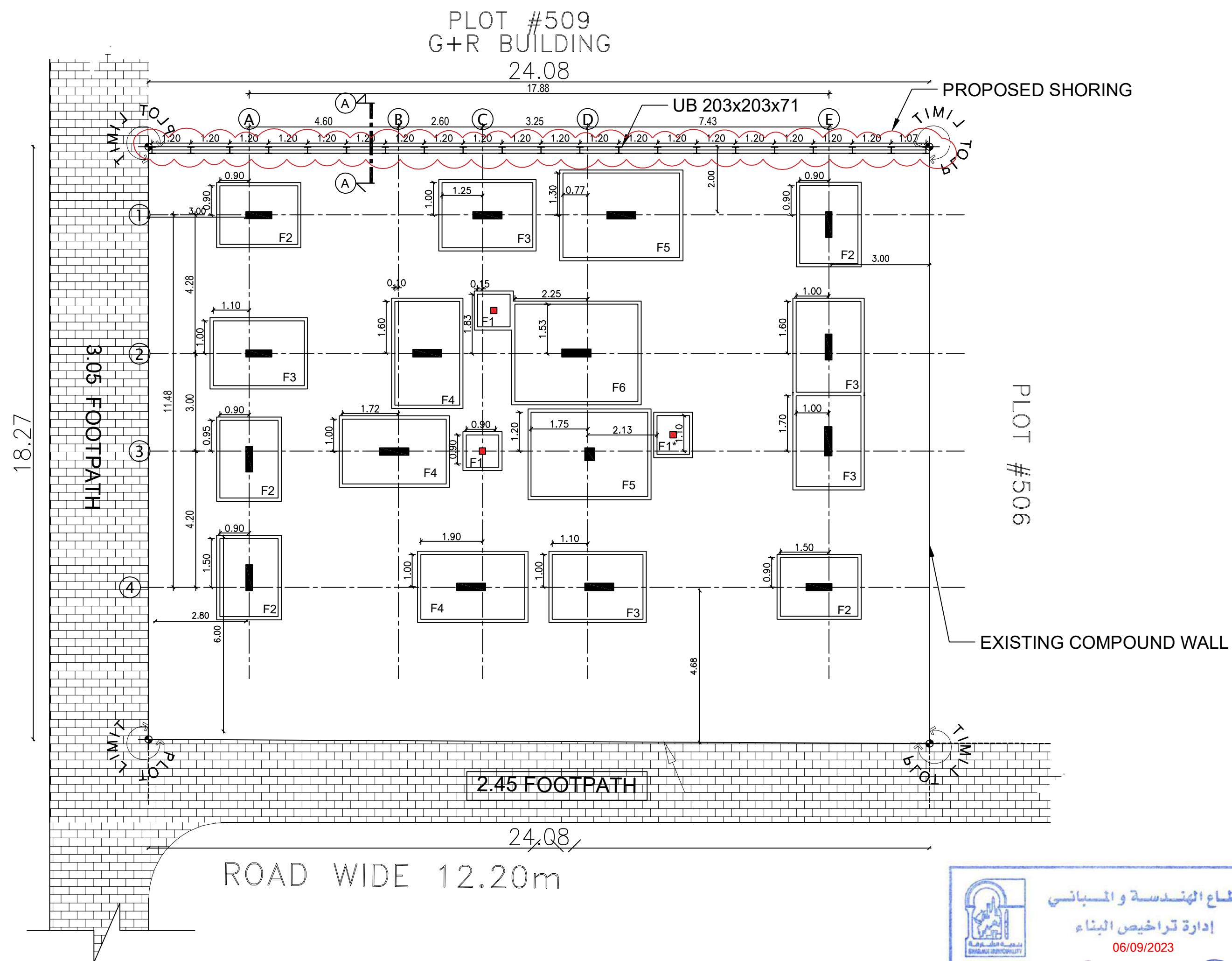
PROJECT :
MODIFICATION OF 2 NO.S OF
G+1 VILLAS (HOTEL) TO RESTAURANTS
+ PROPOSED : 2 G SERVICE BLOCKS
+ CAR PARKING + BOUNDARY WALL

DRAWING TITLE:
SHORING SECTION C-C

DESIGN ARCH.		CHECKED BY
PROJECT ARCH.		KHALID
STRUC.	KHALID	SCALE:
MEP		
DRAWN	M. RASHID	

JOB NO:	DWG NO:	REV. NO.
---	S-05	

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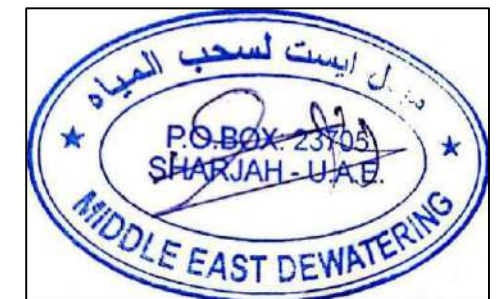


SHORING LAYOUT PLAN
(SCALE = 1 : 100)



GENERAL NOTES :-

1. ALL DIMENSIONS IN M.
2. DO NOT SCALE FROM DRAWING.
3. ALL DIMENSIONS TO BE VERIFIED
4. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH. STRUC. MEP. DETAIL AND SPECIFICATIONS. CONTRACTOR SHALL CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
5. ALL MATERIAL TO BE APPROVED BY ARCHITECT/ENGINEER.
6. CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
7. LIFT DIMENSIONS ,OVER HEAD HEIGHT AND PIT DEPTH TO BE COORDINATED WITH LIFT SUPPLIER & SUPPORTED WITH SHOP DWG.
8. HOSE REEL CABINET IN CLEAR GLASS & STAINLESS STEEL FRAME TO CIVIL DEFENCE APPROVAL.



SUB CONTRACTOR

**MIDDLE EAST DEWATERING
& FOUNDATION L.L.C**



CONSULTANT



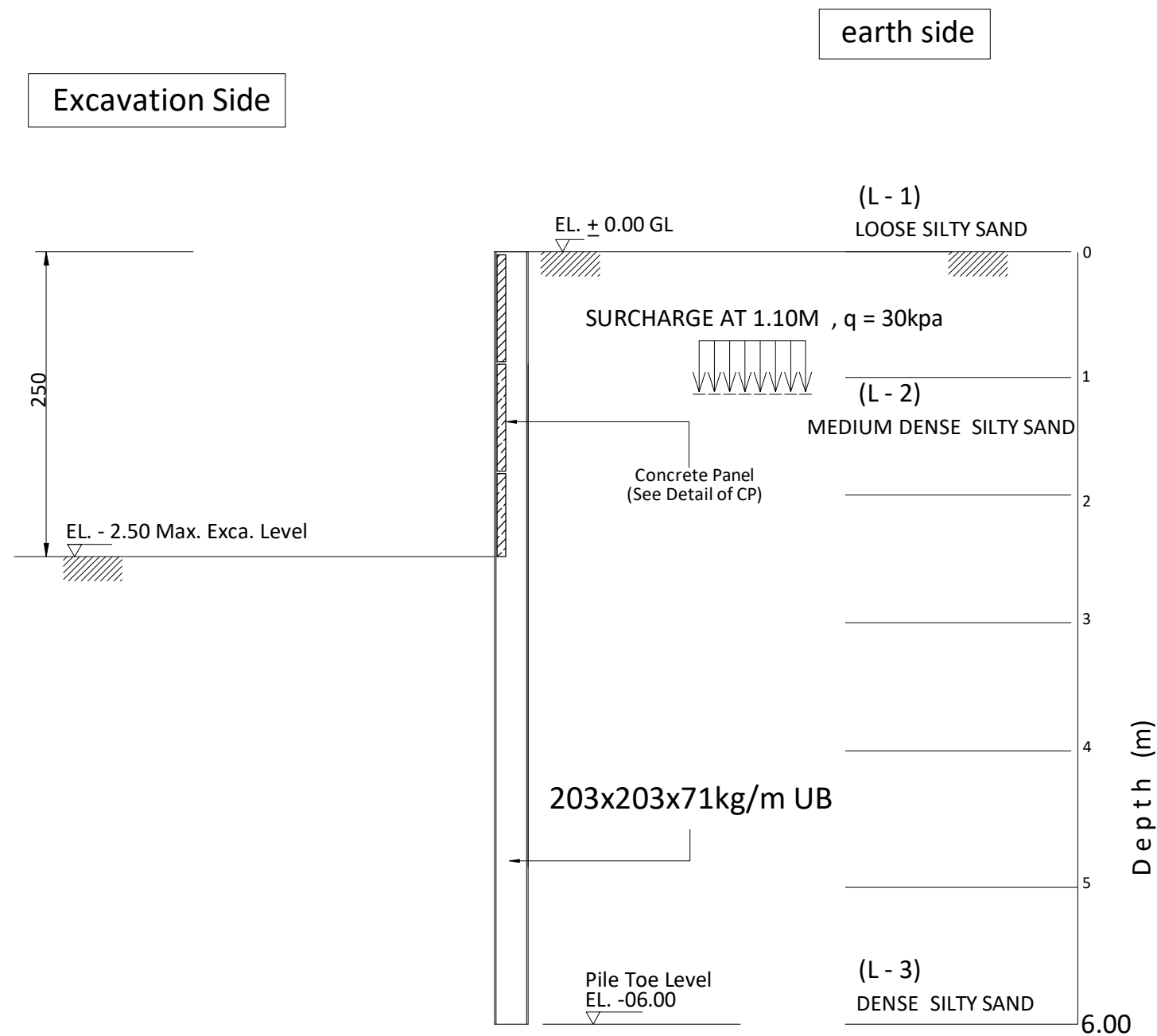
CLIENT:
Nasir Bakhit Nasir Humaid Almuheiri And His Partners

PROJECT:
PROPOSED VILLA (G+1)

SHEET TITLE:
SHORING LAYOUT

ARCHITECT Arch.	TYPE	STRUCTURE
STRUCTURAL Eng : M.H	SHEET No.	
CHECKED BY Eng : h.s	Location :	Al Khalidiyah
SCALE 1:100	Plot No :	628
DATE AUG - 2023	Project No.	

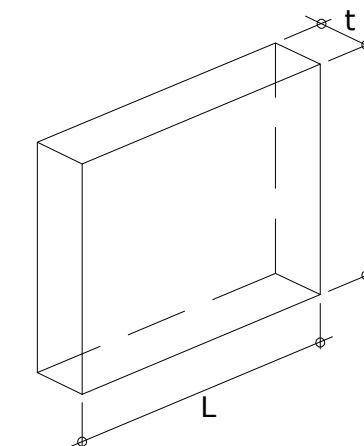
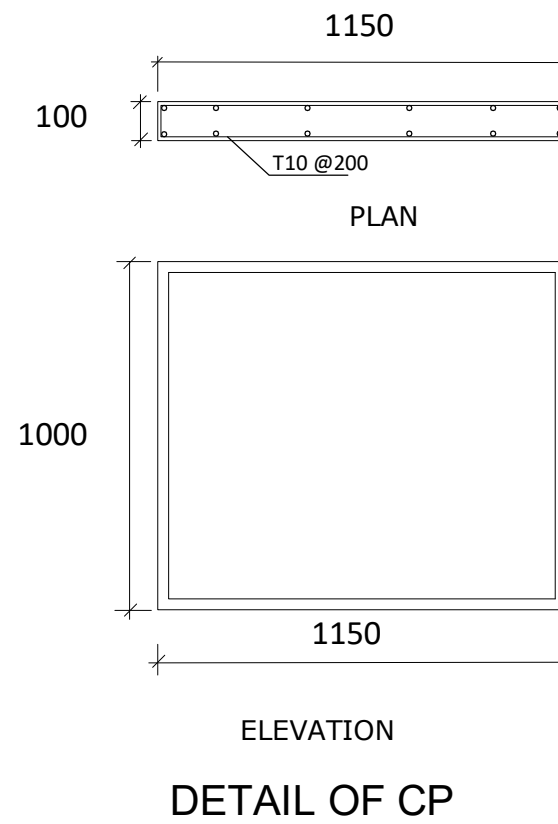
Excavation Side



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



ISOMETRIC
DETAIL OF CP

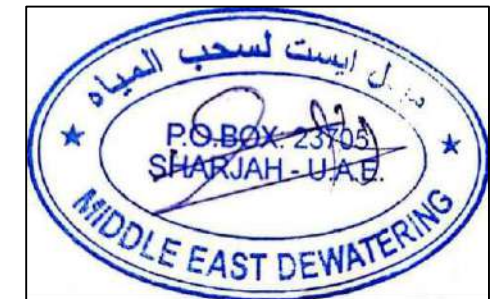
SECTION PROPERTIES

H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,t _f (mm)	17.3	
WEB,t _w (mm)	10	
MODULUS, Z _x		
PLASTIC (cm ³)	706	



GENERAL NOTES :-

- ALL DIMENSIONS IN M.
- DO NOT SCALE FROM DRAWING.
- ALL DIMENSIONS TO BE VERIFIED
- THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH. STRUC. MEP. DETAIL AND SPECIFICATIONS. CONTRACTOR SHALL CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
- ALL MATERIAL TO BE APPROVED BY ARCHITECT/ENGINEER.
- CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
- LIFT DIMENSIONS ,OVER HEAD HEIGHT AND PIT DEPTH TO BE COORDINATED WITH LIFT SUPPLIER & SUPPORTED WITH SHOP DWG.
- HOSE REEL CABINET IN CLEAR GLASS & STAINLESS STEEL FRAME TO CIVIL DEFENCE APPROVAL.



SUB CONTRACTOR

MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

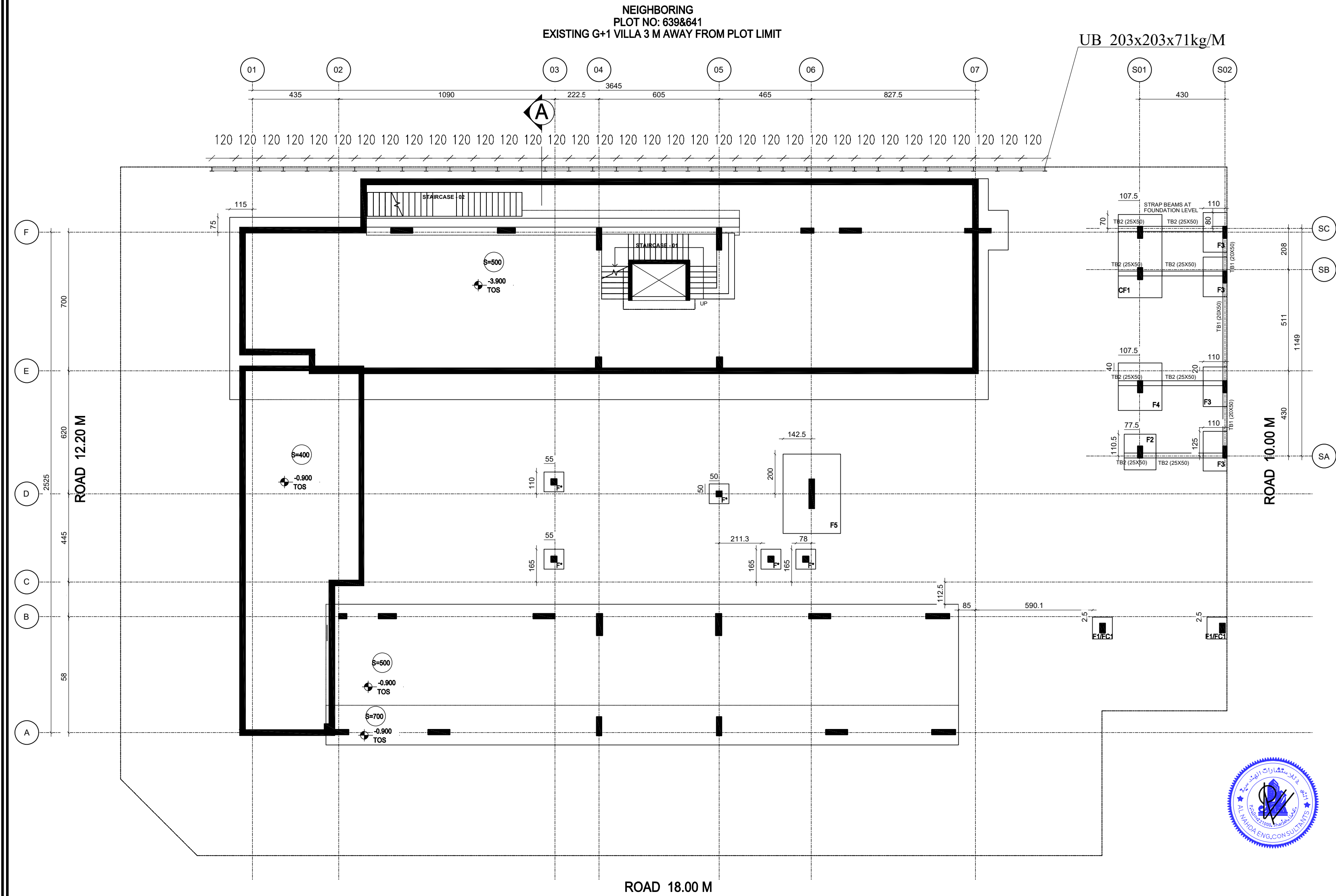


CLIENT:
Nasir Bakhit Nasir Humaid Almuheiri And His Partners

PROJECT:
PROPOSED VILLA (G+1)

SHEET TITLE:
SHORING SECTION DETAILS

ARCHITECT Arch.	TYPE	STRUCTURE
STRUCTURAL Eng : M.H	SHEET No.	
CHECKED BY Eng : H.S	Location :	Al Khalidiyah
SCALE 1:100	Plot No :	628
DATE AUG - 2023	Project No.	



LEAD CONSULTANT:

WSA

Bays Water Tower, Business Bay Office 1910
P.O. Box 57004 Dubai-UAE
Tel: +971(0)44516868
Fax: +971(0)44516969
E-mail: mail@whitespace.ae
URL: www.whitespace.ae



يجب تنفيذ أعمال سند جوانب الحفر بطريقة سليمة وأمنة ولا
تؤثر على استقرار وسلامة العناصر الإنشائية للجوار مع
تحمل الاستشاري والمقاول المسؤولية عن كفاءة التنفيذ



SUB CONTRACTOR
MIDDLE EAST DEWATERING
& FOUNDATION L.L.C



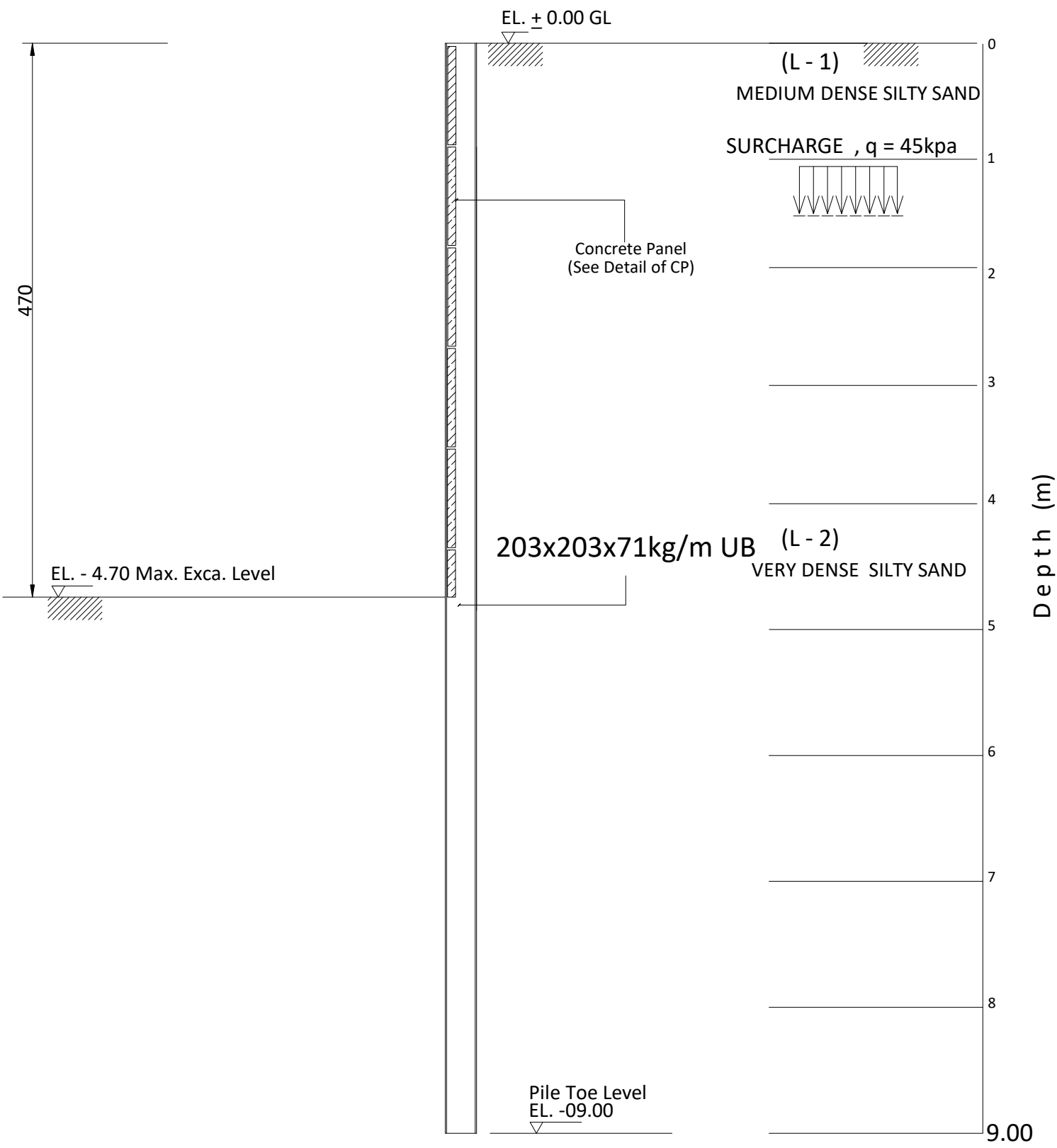
job title
PROPOSED (B+G+1) VILLA +
PROPOSED SERVICE BLOCK & PARKING

owner name
MR. RAYMOND KHALIL AZIZ

drawing title
SHORING LAYOUT

AREA	BLOCK	PLOT No	JOB No
SHARJAH	AL YASH / WASIT SUBURB	236 / 571	864
Architect	Sheet no. 1		drawing no
Arch. Chkd.	revision suffix		
Structure Eng. ENG.MAHMOOD		drawn ENG.MAHMOOD	
MEP Eng.	Scale 1:150@A2		Date 02/08/2023

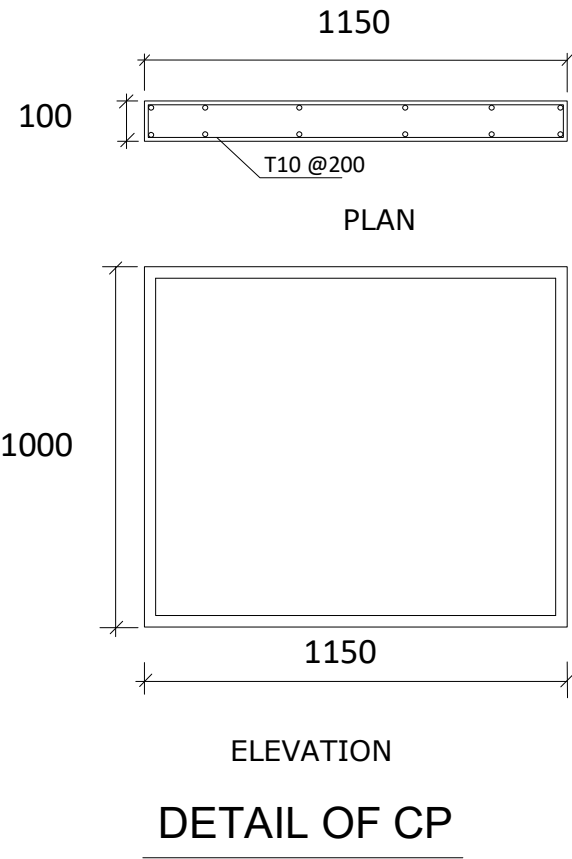
Excavation Side



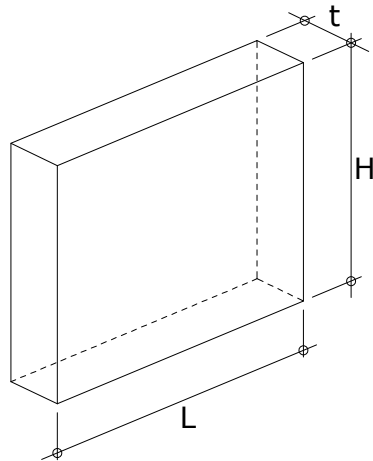
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		

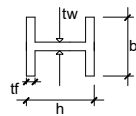


DETAIL OF CP



ISOMETRIC
DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 09.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



LEAD CONSULTANT:

	Bays Water Tower,Business Bay Office 1910 P.O.Box 57004 Dubai-UAE Tel: +971(0)44516868 Fax: +971(0)44516969 E-mail: mail@whitespace.ae URL: www.whitespace.ae
---	--



SUB CONTRACTOR
MIDDLE EAST DEWATERING
& FOUNDATION L.L.C



job title			
PROPOSED (B+G+1) VILLA + PROPOSED SERVICE BLOCK & PARKING			
owner name			
MR. RAYMOND KHALIL AZIZ			
drawing title			
SHORING SECTION DETAILS			
AREA	BLOCK	PLOT No	JOB No
SHARJAH	AL YASH / WASIT SUBURB	236 / 571	864
Architect	Sheet no. 2		drawing no
Arch. Chkd.	revision suffix		
Structure Eng. ENG.MAHOOD	drawn ENG.MAHOOD		
MEP Eng.	Scale 1:150@A2	Date 02/08/2023	



LOCAL AUTHORITY APPROVAL:

GENERAL NOTES:

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TO BE REFERRED TO THIS OFFICE FOR DECISION.
5. IN CARRYING OUT WORKS RELATING TO THIS DRAWING, THE
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INCLUDING LOCAL STATUTORY AUTHORITY, CITY'S
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6. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH
OTHER RELEVANT ARCHITECTURAL, STRUCTURAL,
MECHANICAL AND ELECTRICAL DRAWINGS AND ALL
RELEVANT SECTIONS OF THE SPECIFICATIONS.

KEY PLAN



SUB CONTRACTOR :

MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

REV. No	DATE	DESCRIPTION	CHECKED
---------	------	-------------	---------

CLIENT:

M/S AL MIDFA
ESTMENTS GROUP LLC

PROJECT NAME:

PROPOSED RESIDENCIAL BUILDING
GROUND + 3 TYPICAL + ROOF
PLOT NO : 4922
TILAL / AL SUYOH - SHARJAH

ARCHITECT:



Atrium
ARCHITECTURAL & ENGINEERING CONSULTANCY

P O BOX 78308
DUBAI
UNITED ARAB EMIRATES

TEL: +971 (0) 4 5540100, FAX: +971 (0) 4 4310470
Web site : www.atriumuae.com
E-mail : admin@atriumuae.com

DRAWING NAME:

SHORING LAYOUT

AUTHORIZED BY		DATE	DATE FEB-2023
DESIGNED BY	M.H	STAGE	
DRAWN BY	M.H	SHEET SIZE	A2
CHECKED BY	M.H	SCALE	1:100

1 UNIT = 10 mm WHEN PRINTED AT A2 SHEET SIZE

0	1	2	3	4	5
---	---	---	---	---	---

DIVISION	SUB.GROUP	SHEET NUMBER	PROJECT No.
		0	701

ISSUED FOR:	
-------------	--



M. B. Bates

Excavation Side

earth side

AREA SURCHARGE , q = 30kpa

EL. ± 0.00 GL = (+63.14 SMD)

(L - 1)
LOOSE SILTY SAND

Concrete Panel
(See Detail of CP)

EL. - 2.70 = (+60.44 SMD) Max. Exca. Level

(L - 2)
VERY LOOSE SILTY SAND

(L - 3)
LOOSE SILTY SAND

203x203x52kg/m UB

(L - 4)
MEDIUM DENSE SILTY SAND

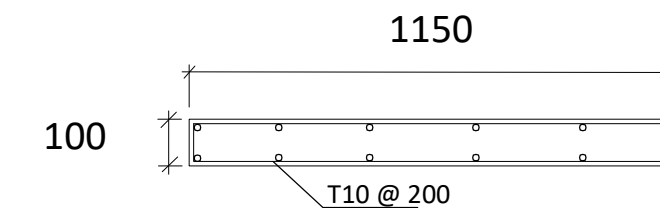
(L - 5)
DENSE SILTY SAND

Pile Toe Level
EL. -08.00

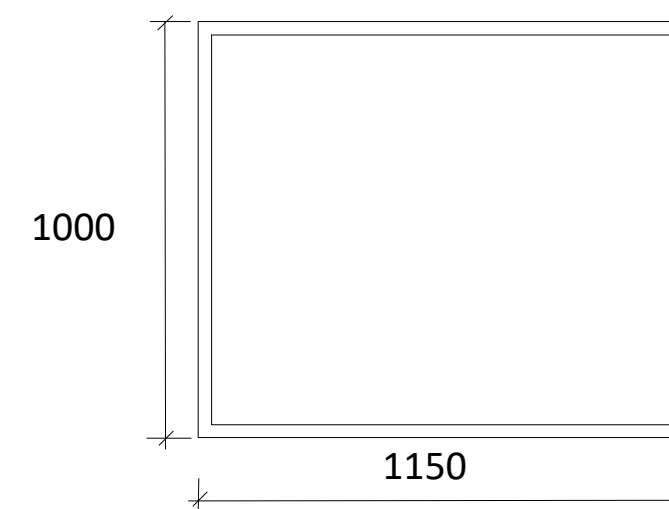
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		

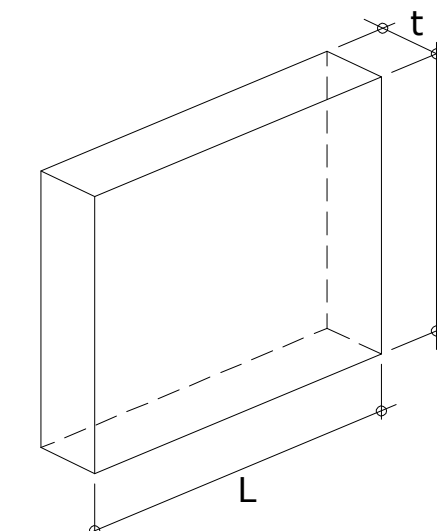


PLAN



ELEVATION

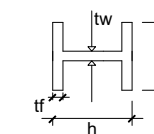
DETAIL OF CP



ISOMETRIC

DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 08.00m
SECTION	203x203x52kg/M
MASS (kg/m)	52
DEPTH,h (mm)	206.2
WIDTH,b (mm)	204.3
FLANGE,tf (mm)	12.5
WEB,tw (mm)	7.9
MODULUS, Zx	
PLASTIC (cm ³)	510



LOCAL AUTHORITY APPROVAL:

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- ALL DIMENSIONS TO BE CHECKED ON SITE AND DISCREPANCIES TO BE REFERRED TO THIS OFFICE FOR DECISION.
- IN CARRYING OUT WORKS RELATING TO THIS DRAWING, THE CONTRACTOR IS TO BE RESPONSIBLE FOR COMPLYING WITH THE FULL REQUIREMENTS OF ALL RELATED LEGISLATION INCLUDING LOCAL STATUTORY AUTHORITY, SERVICES REGULATIONS AND ALL SAFETY ACTS (LATEST EDITION).
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT, ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND ALL RELEVANT SECTIONS OF THE SPECIFICATIONS.

KEY PLAN



SUB CONTRACTOR :

MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

REV. No DATE DESCRIPTION CHECKED

CLIENT:

M/S AL MIDFA
INVESTMENTS GROUP LLC

PROJECT NAME:

PROPOSED RESIDENCIAL BUILDING
GROUND + 3 TYPICAL + ROOF
PLOT NO : 4922
TILAL / AL SUYOH - SHARJAH

ARCHITECT:



P O BOX 78308 TEL: +971 (0) 4 5540100 FAX: +971 (0) 4 4310470
DUBAI Web site : www.atrimumae.com
UNITED ARAB EMIRATES E-mail : admin@atrimumae.com

DRAWING NAME:

SHORING SECTION

AUTHORIZED BY M.BALAAWI DATE DATE FEB-2023

DESIGNED BY M.SH.&O.BA. STAGE

DRAWN BY A.R. SHEET SIZE A2

CHECKED BY M.SH.&O.BA. SCALE 1:100

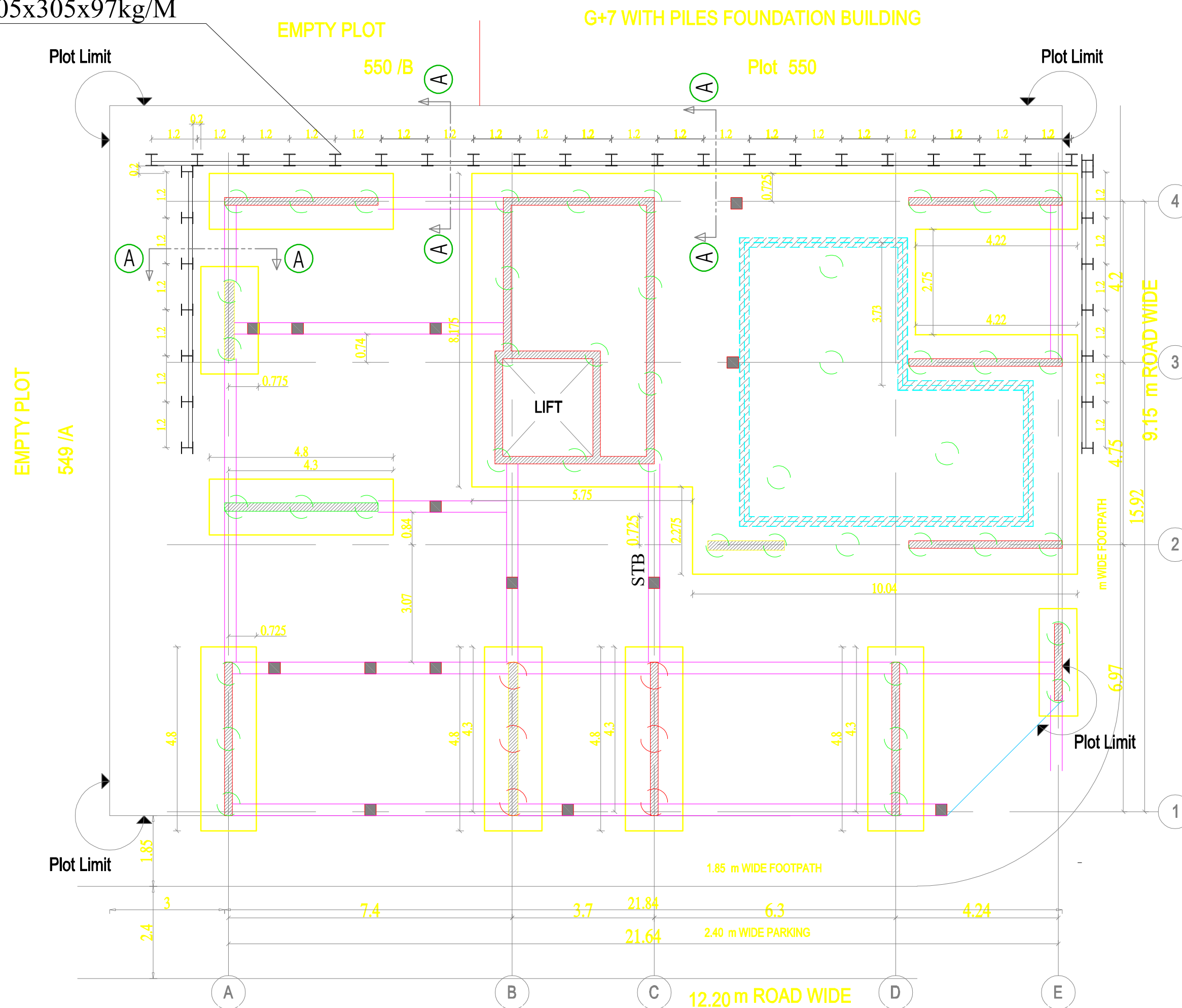
1 UNIT = 10 mm WHEN PRINTED AT A2 SHEET SIZE

DIVISION SUB.GROUP SHEET NUMBER PROJECT No.

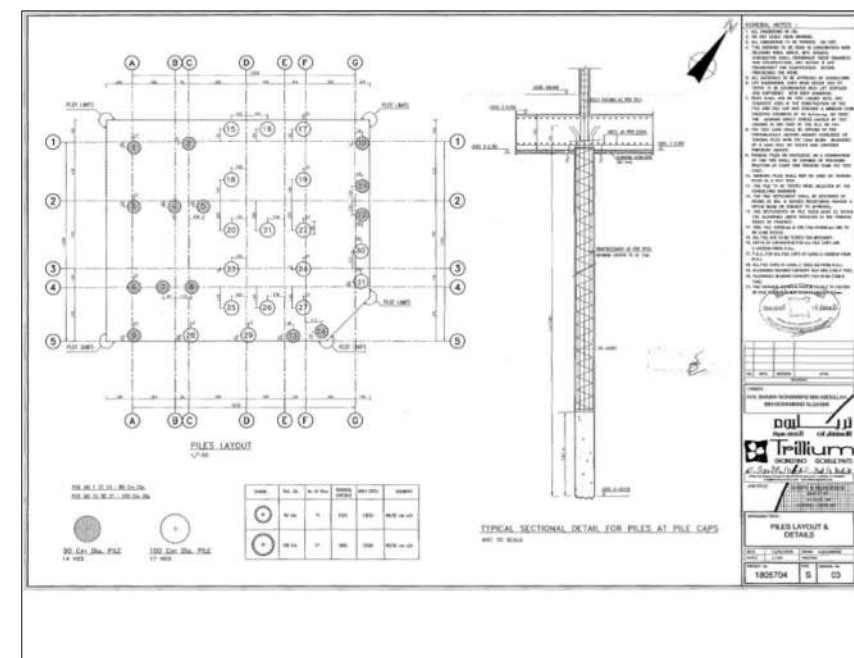
S 400 701

ISSUED FOR:

UB 305x305x97kg/M



SHORING LAYOUT



ميدل إيست لىسب المياه Middle East Dewatering

التاريخ : 2022/11/2

المحترمين السادة / بلدية الشارقة

تحية طيبة و بعد

المشروع بناية تجارية (أرضي + عدد / 4 / بطابق متكرر) قطعة رقم 550 - النبعة -
الشارقة

الموضوع : تعهد

بالإشارة إلى الموضوع أعلاه، نتعهد نحن شركة ميدل إيست بىسلاية المبنى و الطرق المجاورة
للمشروع نتيجة أعمال سنذ جوالب الحفر و تحفيف المياه الجوفية بالموقع و أنها تحت سؤايتنا
الكامل و إستخدام بيزوميتير لمرافقة المياه .

ميدل إيست لىسب المياه

Tel.: 04-2369962 , Fax: 04-2369964, Mob.: 050-3093519, 050-6464745
P.O. Box 113488, Dubai / Abu Dhabi - U.A.E., E-mail: coastmiddleeast@gmail.com


الثقة لمعاولات البناء
AL THIQA REAL ESTATE CO. L.L.C.

التاريخ: 2022-11-17

السادة / بلدية الشارقة المحترمين

تحية طيبة وبعد

الشروع: مبنى ارضي + اربع طوابق متكررة

قائمة رقم 619، الضمعة - الشارقة

ملك: فريدة عبد الله / زوجة: عبد العزيز عبد الرحيم محمد الزرعوني

الموضوع: رسالة تعهد

نبالاشارة للموضوع اعلاه نتمهد نحن شركة الثقة لمعاولات البناء بان مقبول الباطن شركة ميديل ايست

لسحب المياه مسؤول مسؤولية كاملة عن :

1 دراسة وتنفيذ سحب المياه الجوفية بالموقع المذكور اعلاه بما لا يمثل خطورة او اضرار على المياني الساجورة

2 دراسة وتنفذي اصعال سند جوانب الحفر بالموقع المذكور اعلاه بما لا يمثل خطورة او اضرار على المياني الساجورة

مع فائق الاحترام و التقدير .

الثقة لمعاولات البناء .



MATERIAL PROPERTIES :

- * CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (f_c)=32 N/mm² AFTER 28 DAYS
- * STEEL SHOULD BE USED HIGH GRADE DEFORMED BARS MINIMUM YIELD STRENGTH (F_y)=460N/mm²

($F_{cu} = 40 \text{ N/mm}^2$, $F_y = 460 \text{ N/mm}^2$)

GENERAL NOTES :

1. DO NOT SCALE FROM DRAWING.
2. ALL DIMENSIONS TO BE VERIFIED ON SITE
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
4. CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
5. ALL MATERIAL TO BE APPROVED IN WRITTEN BY ENGINEER.
6. CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
7. THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR:
**MIDDLE EAST DEWATERING &
FOUNDATION L.L.C**

DESIGN CONSULTANT:



CLIENT'S :-
FARIDA ABDULLA WIFE OF
ABDULAZIZ ABDULRAHIM MOHAMMED ALZAROONI

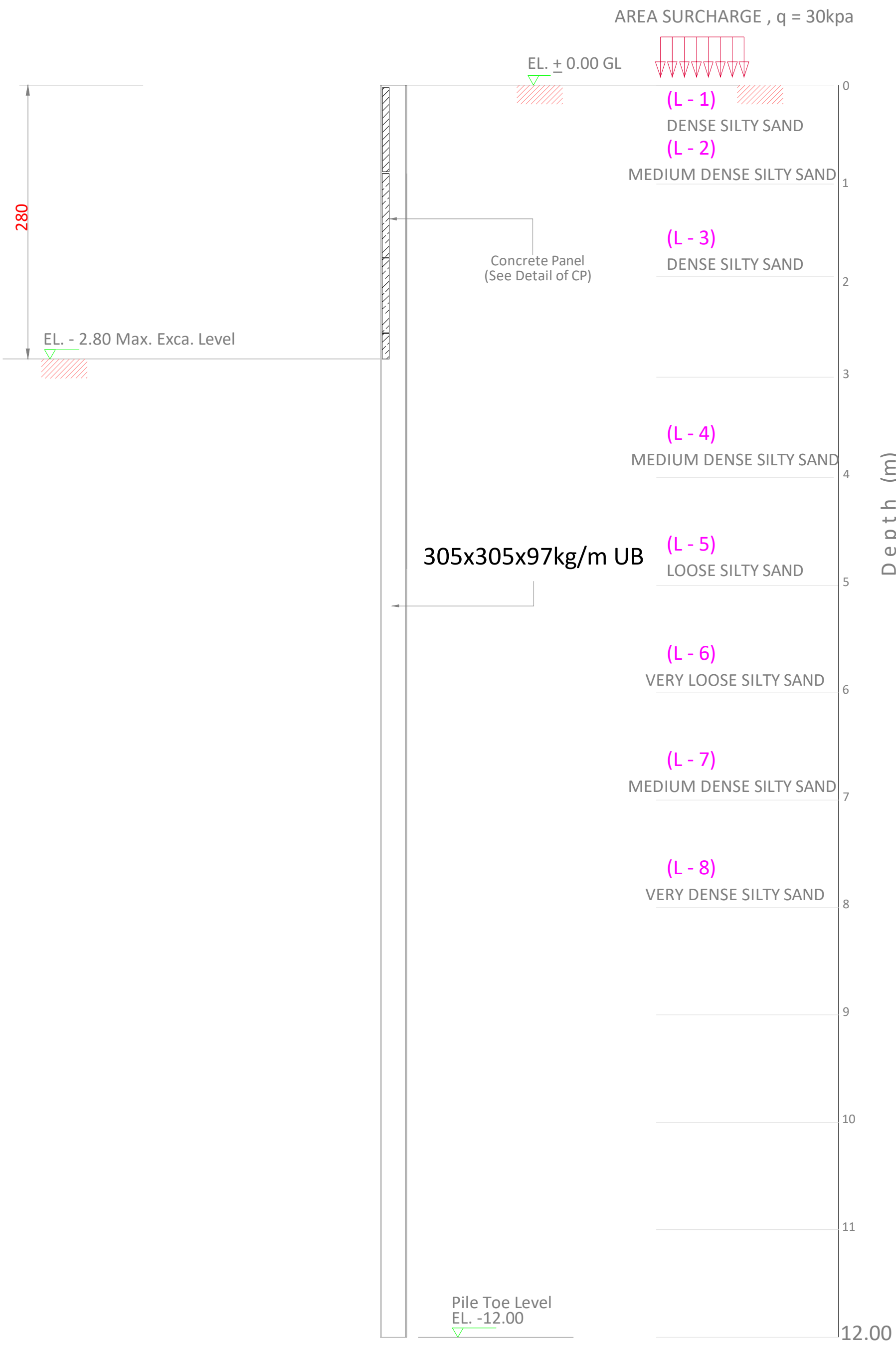
PROJECT TITLE :-
UNDER CONSTRUCTION BUILDING (G+4)

DWG. TITLE :
SHORING LAYOUT

PLOT NO.:-	MULK: 619	BLOCK:- AL NABAA	
	GOV: 550/A		
DESIGNED BY:- M.H	CORDINATED BY:-	APPROVED BY:- M.H	DRAWING NO. :- STR-10
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 11-2022	JOB NO. :-

Excavation Side

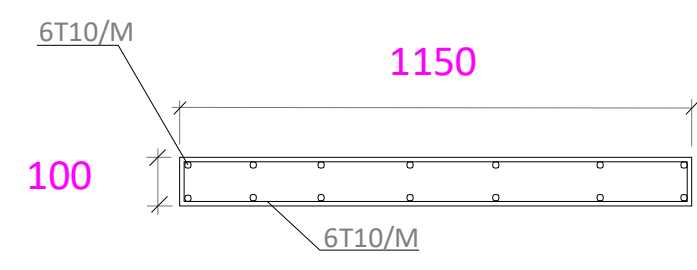
earth side



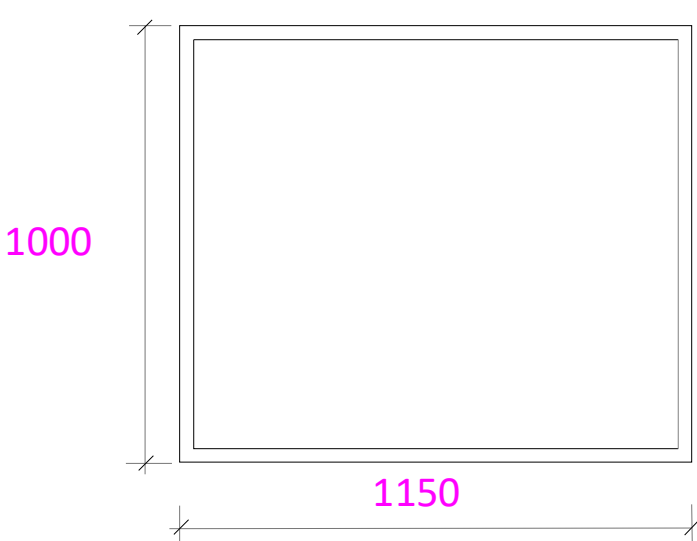
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	QTY (nos)		REMARKS
100	1000x1150	126		



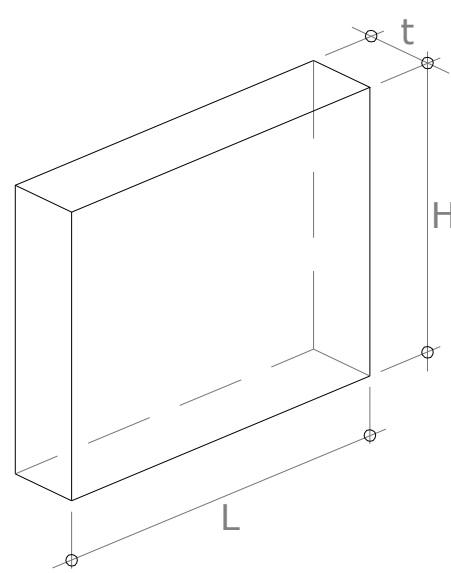
PLAN



ELEVATION

DETAIL OF CP

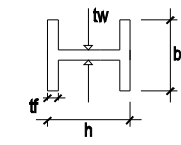
(Fcu = 40 N/mm2 , Fy = 460 N/mm2)



ISOMETRIC

DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 12.00m
SECTION	305x305x97kg/M
MASS (kg/m)	96.9
DEPTH,h (mm)	307.9
WIDTH,b (mm)	305.3
FLANGE,tf (mm)	15.4
WEB,tw (mm)	9.9
MODULUS, Zx	
PLASTIC (cm ³)	1445



MATERIAL PROPERTIES :

* CYLINDER COMPRESSIVE STRENGTH OF
CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS

* STEEL SHOULD BE USED HIGH GRADE

DEFORMED BARS MINIMUM YIELD
STRENGTH (Fy)=460N/mm2

(Fcu = 40 N/mm2 , Fy = 460 N/mm2)

GENERAL NOTES :

- DO NOT SCALE FROM DRAWING.
- ALL DIMENSIONS TO BE VERIFIED ON SITE
- THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
- CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
- ALL MATERIAL TO BE APPROVED IN WRITTEN BY ENGINEER.
- CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
- THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR:

MIDDLE EAST DEWATERING &
FOUNDATION L.L.C

NO.	DATE	ENG.	REVISION
-----	------	------	----------

DESIGN CONSULTANT:

الاستشارات
INVESTMENT
Engineering Consultancy



TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE EMAIL : investment.shj@gmail.com
www.investmentengineering.ae

CLIENT'S :-

FARIDA ABDULLA WIFE OF
ABDULAZIZ ABDULRAHIM MOHAMMED ALZAROONI

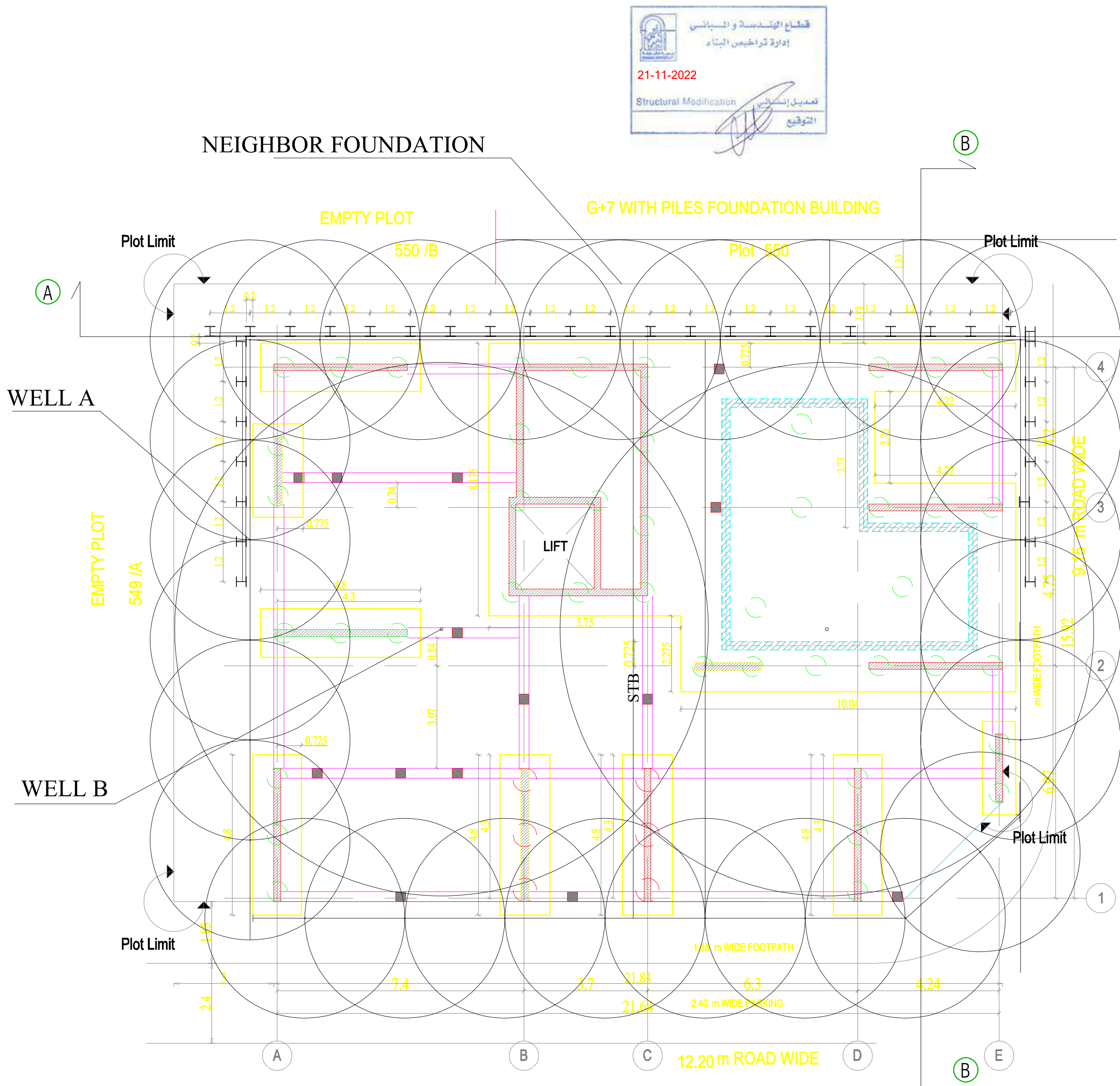
PROJECT TITLE :-

UNDER CONSTRUCTION BUILDING (G+4)

DWG. TITLE :

SHORING SECTION B

PLOT NO:-	MULK: 619 GOV: 550/A	BLOCK:- AL NABAA	
DESIGNED BY:- M.H	CORDINATED BY:- M.H	APPROVED BY:- M.H	DRAWING NO. :- STR-10
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 11-2022	JOB NO. :-





ميدل إيست لسحب المياه
Middle East Dewatering

التاريخ : 2022/11/2
السادة / بلدية الشارقة
المحترمين
تحية طيبة و بعد
المشروع : بناية تجارية (أرضي + عدد 4 / طابق متكرر) قطعة رقم 550 - النابعا - الشارقة
الموضوع : تعهد
بالإشارة إلى الموضوع أعلاه ، نتعهد نحن شركة ميدل إيست بسلامة البني و الطرق المجاورة للمشروع نتيجة أعمال سده جوانب الحفر و تخفيف المياه الجوفية بالموقع و أنها تحت مسؤوليتنا بالكامل و استخدام بيروميتر لمراقبة المياه .

ميدل إيست لسحب المياه

Middle East Dewatering

Tel : 04-2369962 , Fax: 04-2369964 , Mob.: 050-3093519, 050-6464745
P.O. Box 113488, Dubai / Abu Dhabi - U.A.E., E-mail: coastmiddleeast@gmail.com



الثقة لمقاولات البناء
AL THIGA LLC

التاريخ : 2022-11-17
السادة / بلدية الشارقة المحترمين
تحية طيبة وبعد
المشروع : مبنى أرضي + أربع طوابق متكررة
قطعة رقم 619 - النابعا - الشارقة
ملك : فريدة عبد الله / زوجة عبد العزيز عبد الرحيم محمد الزرعوني
الموضوع : رسالة تعهد
نهالإشارة للموضوع أعلاه نتعهد نحن شركة الثقة لمقاولات البناء بأن مقاول الباطن شركة ميدل إيست لسحب المياه مسؤول مسؤولية كاملة عن :
1 دراسة وتنفيذ سحب المياه الجوفية بالموقع المذكور أعلاه بما لا يمثل خطورة أو اضرار على المجاورة
2 دراسة وتنفيذ أعمال سده جوانب الحفر بالموقع المذكور أعلاه بما لا يمثل خطورة أو اضرار على المجاورة المجاورة
مع فائق الاحترام و التقدير .
الثقة لمقاولات البناء .



MATERIAL PROPERTIES :
* CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
* STEEL SHOULD BE USED HIGH GRADE
DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2
(Fcu = 40 N/mm2 , Fy = 460 N/mm2)

- GENERAL NOTES :**
- DO NOT SCALE FROM DRAWING.
 - ALL DIMENSIONS TO BE VERIFIED ON SITE
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
 - CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
 - ALL MATERIAL TO BE APPROVED IN WRITTEN BY ENGINEER.
 - CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
 - THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

NO.	DATE	ENG.	REVISION



الاستثمار
INVESTMENT
Engineering Consultancy

TEL : +971 6 5737979 FAX : +971 6 5737779
P.O. BOX : 1388, SHARJAH , UAE EMAIL : investment.shj@gmail.com
www.investmentengineering.ae

CLIENT'S :-
FARIDA ABDULLA WIFE OF
ABDULAZIZ ABDULRAHIM MOHAMMED ALZARROONI

PROJECT TITLE :-
UNDER CONSTRUCTION BUILDING (G+4)

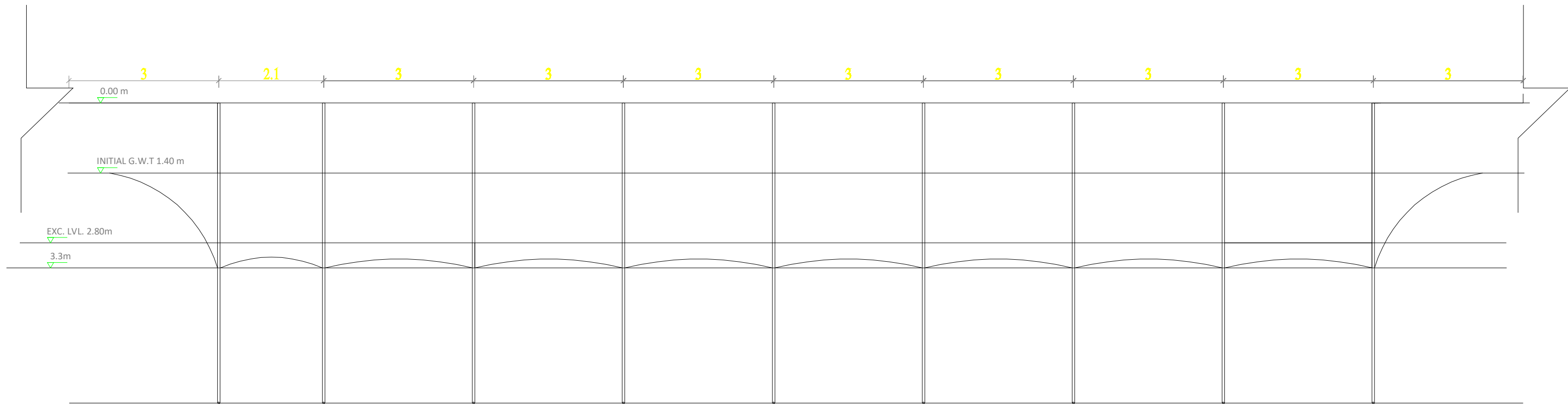
DWG. TITLE :
DEWATERING EFFECT LAYOUT

PLOT NO:-	MULK: 619 GOV: 550/A	BLOCK:- AL NABAA	
DESIGNED BY:- M.H	COORDINATED BY:- M.H	APPROVED BY:- M.H	DRAWING NO. :-
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 11-2022	JOB NO. :-

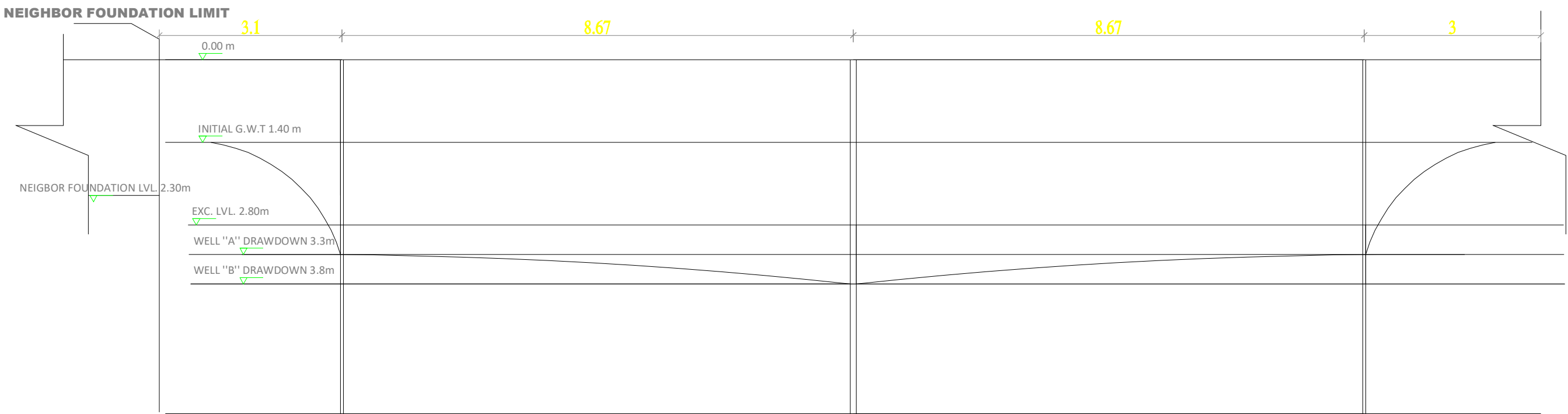
WE WILL DEAL WITH THE DEWATERING BY THE SITE WITH 2" WELLS AND THEN CONNECTING THE DRAWDOWN OF ALL WELLS BY DRILLING FOR TWO WELLS INSIDE THE SIDE 4" WITH A HIGHER DRAWDOWN .2 PUMPS WILL BE USED WITH ADJUSTABLE FLOW BUT WILL BE MAINTAINED AT 4.1 LITERS/SEC TO SPLIT THE DEWATERING NETWORK BETWEEN THEM. A STANDBY PUMP WILL BE PROVIDED IF REQUIRED.

DEWATERING WELLS EFFECT LAYOUT





SECTION A OF DRAWDOWN



SECTION B OF DRAWDOWN



MATERIAL PROPERTIES :
* CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
* STEEL SHOULD BE USED HIGH GRADE DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2
(Fcu = 40 N/mm2 , Fy = 460 N/mm2)

GENERAL NOTES :

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SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

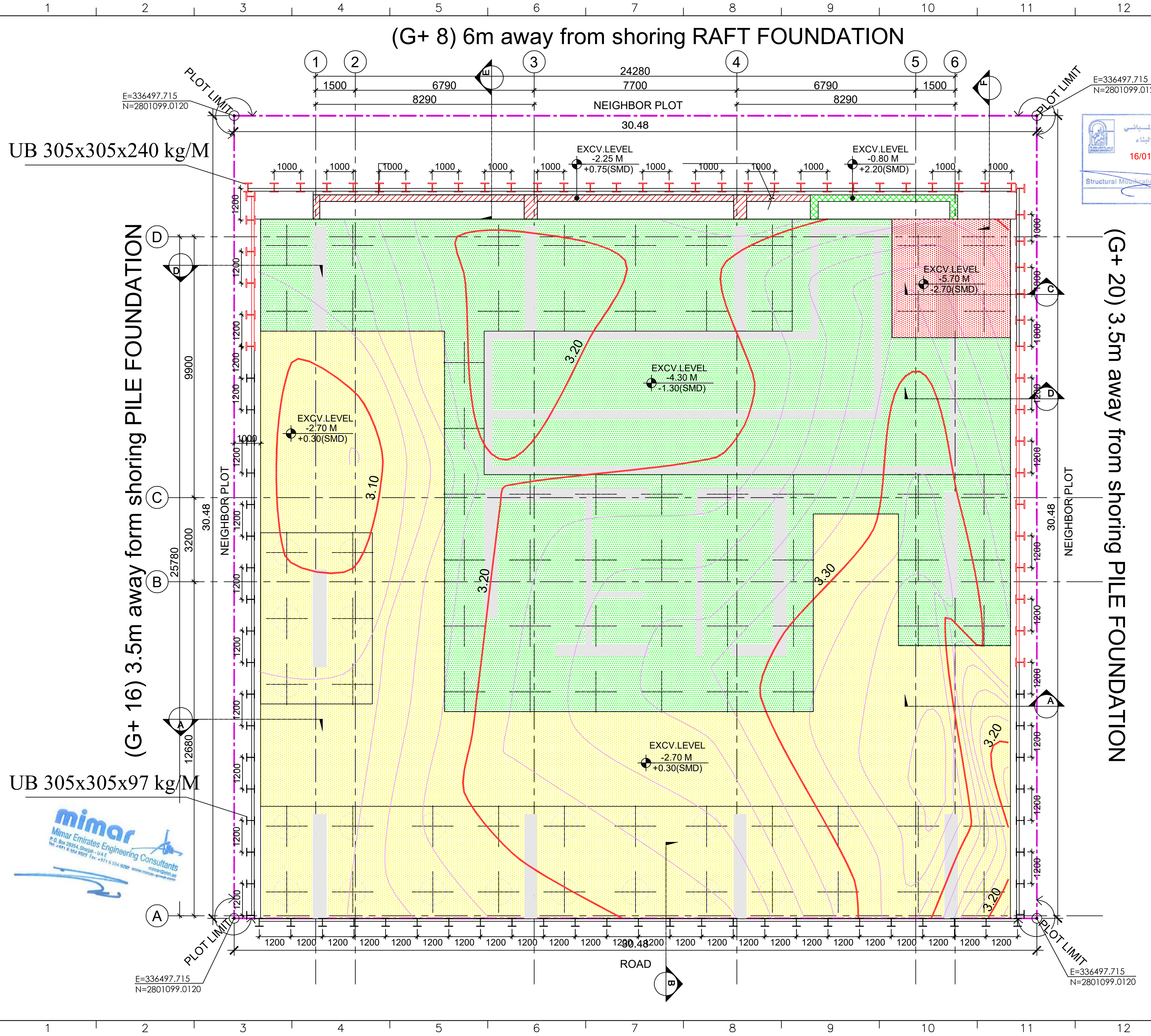
NO.	DATE	ENG.	REVISION
DESIGN CONSULTANT:			
الاستثمار INVESTMENT Engineering Consultancy			
TEL : +971 6 5737979 FAX : +971 6 5737779 P.O.BOX : 1388, SHARJAH, UAE EMAIL : investment.shj@gmail.com www.investmentengineering.ae			

CLIENT'S :-
FARIDA ABDULLA WIFE OF
ABDULAZIZ ABDULRAHIM MOHAMMED ALZAROONI

PROJECT TITLE :-
UNDER CONSTRUCTION BUILDING (G+4)

DWG. TITLE :
DEWATERING DRAWDOWN
SECTIONS

PLOT NO:-	MULK: 619	BLOCK:- AL NABAA	
	GOV: 550/A		
DESIGNED BY:- M.H	CORDINATED BY:-	APPROVED BY:- M.H	DRAWING NO. :-
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 11-2022	JOB NO. :-

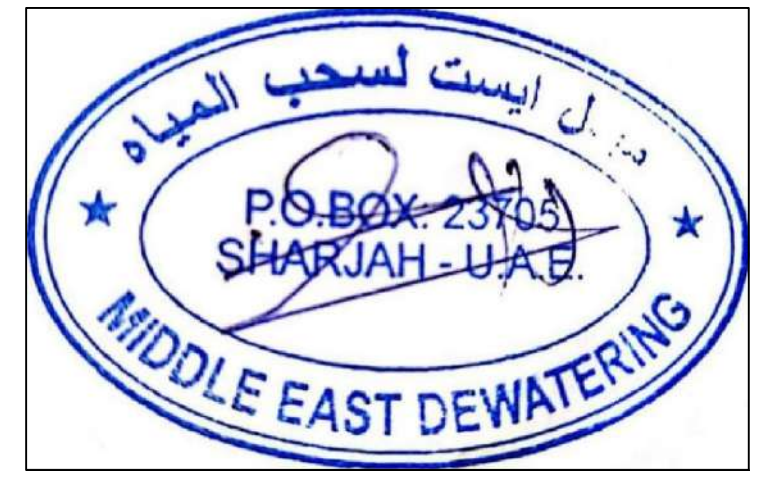


GENERAL NOTES :

- DO NOT SCALE FROM THIS DRAWING, IF IN DOUBT, ASK
- ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE NOTED.
- ANY DIMENSION REFERRING TO EXISTING SITE ITEMS OR ELEMENTS OF STRUCTURE SITED IMMEDIATELY ADJACENT, ARE TO BE PHYSICALLY CHECKED AND VERIFIED ON-SITE, AND ANY DISCREPANCY REPORTED TO THE PROJECT ARCHITECT / ENGINEER FOR CLAFICATION AND CONFIRMATION OF THE SAME.



ARCH. $\pm 0.00 = +3.00$ SMD



SUB CONTRACTOR:		
MIDDLE EAST DEWATERING & FOUNDATION L.L.C		
T	08-03-2022	ISSUE FOR TENDER
REV. NO.	DATE	DESCRIPTION : APPROVAL.
		APVD BY

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CLIENT:

DEPARTMENT OF AWQAF

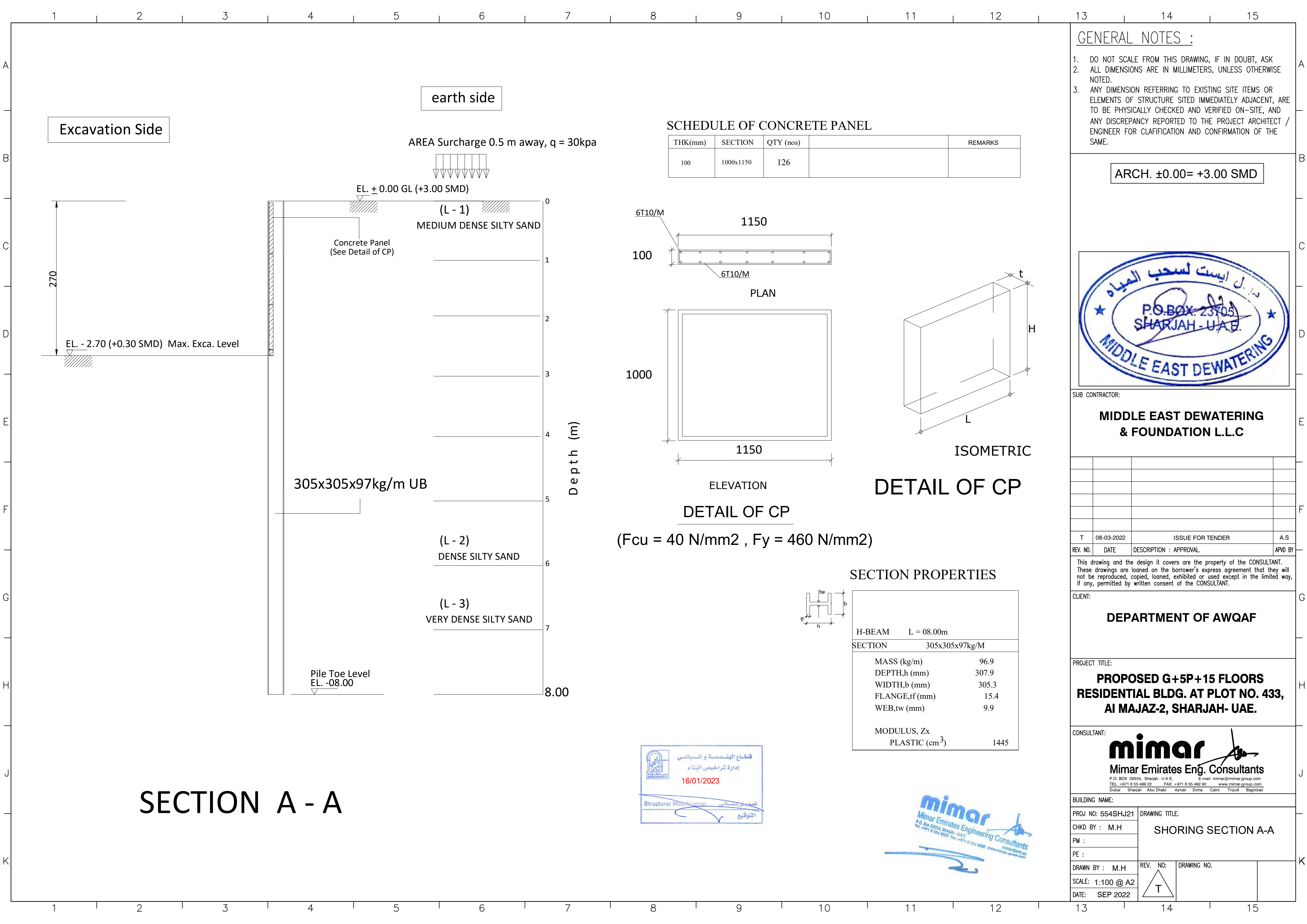
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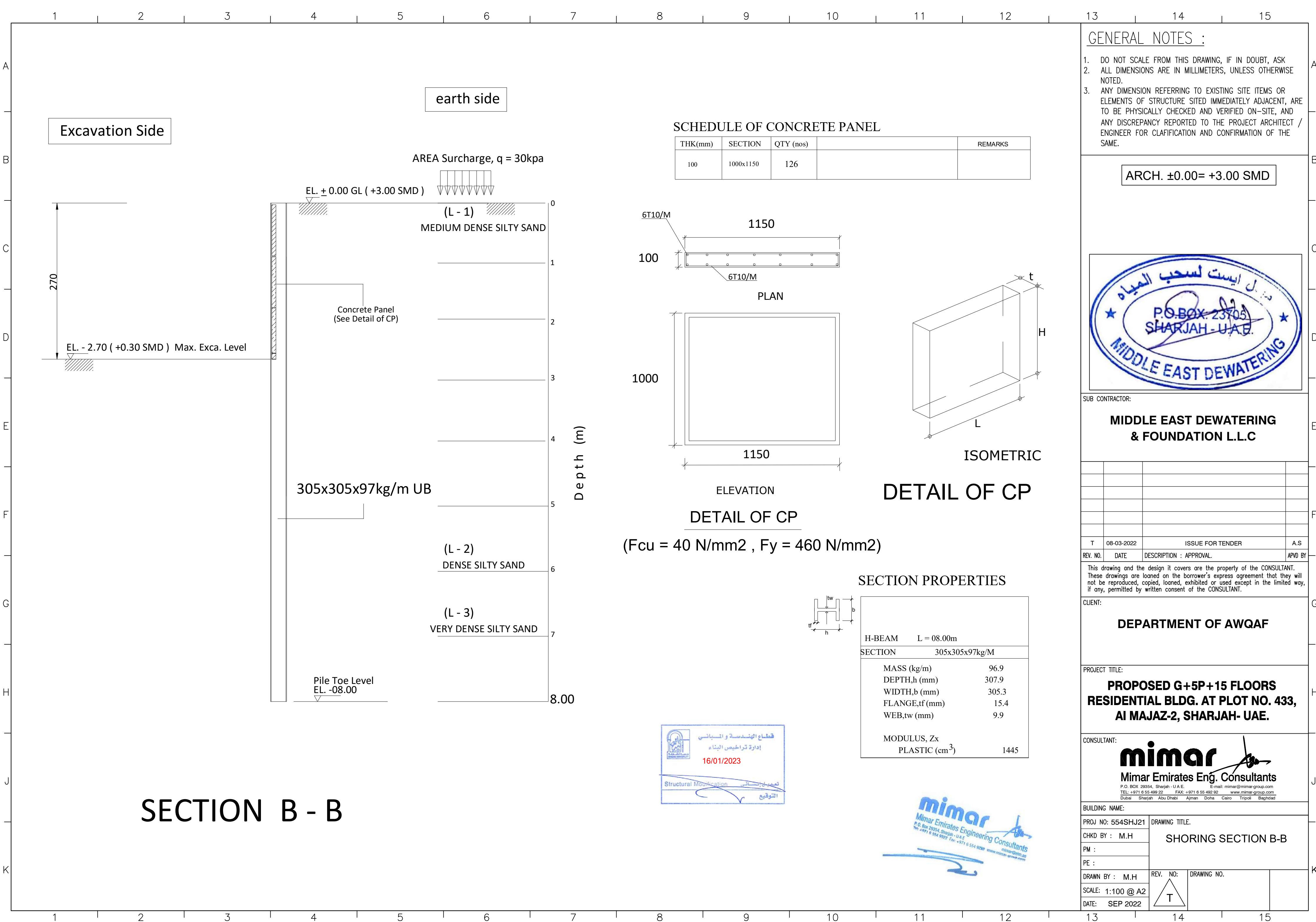
PROPOSED G+5P+15 FLOORS
RESIDENTIAL BLDG. AT PLOT NO. 433,
AI MAJAZ-2, SHARJAH- UAE.

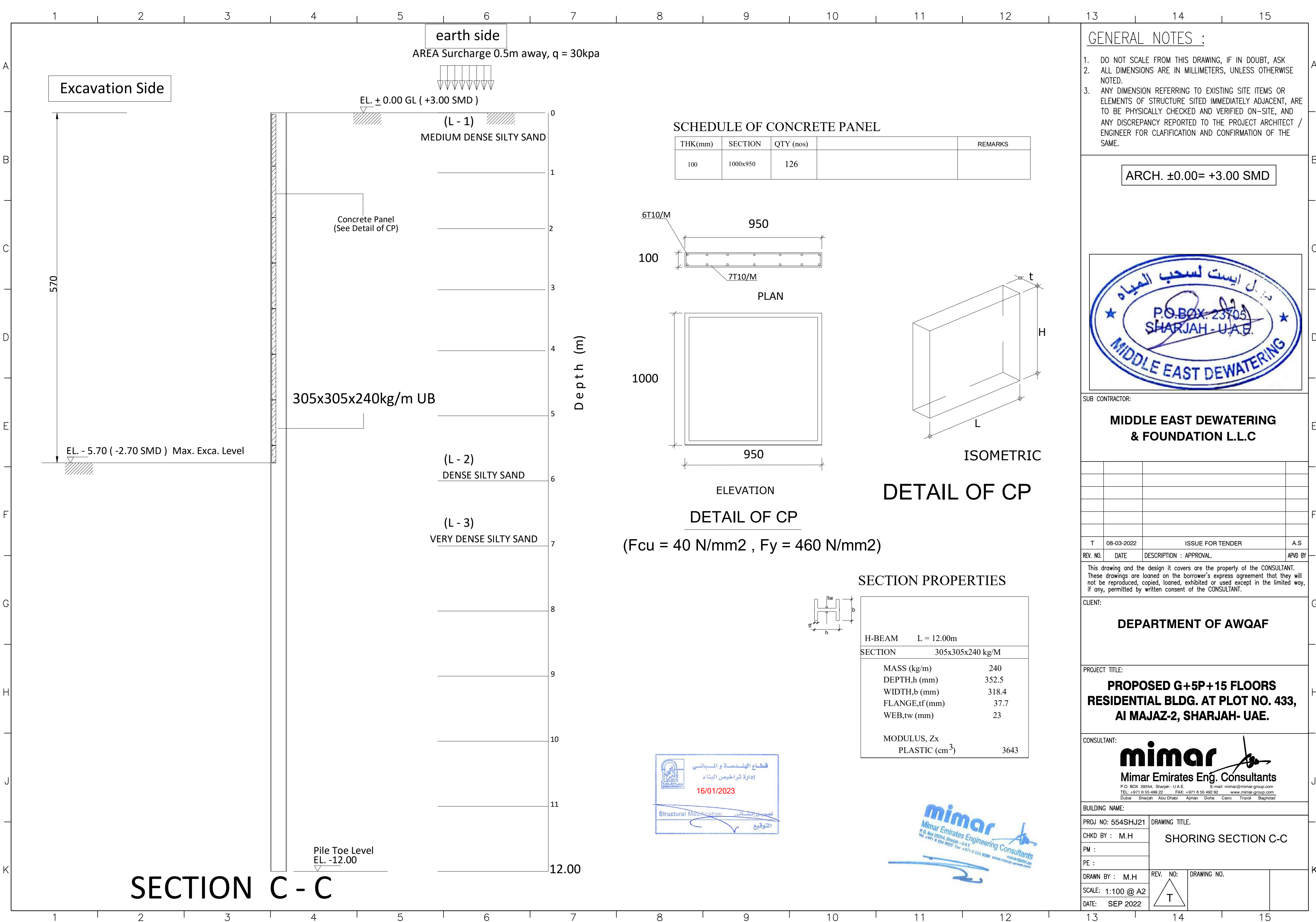
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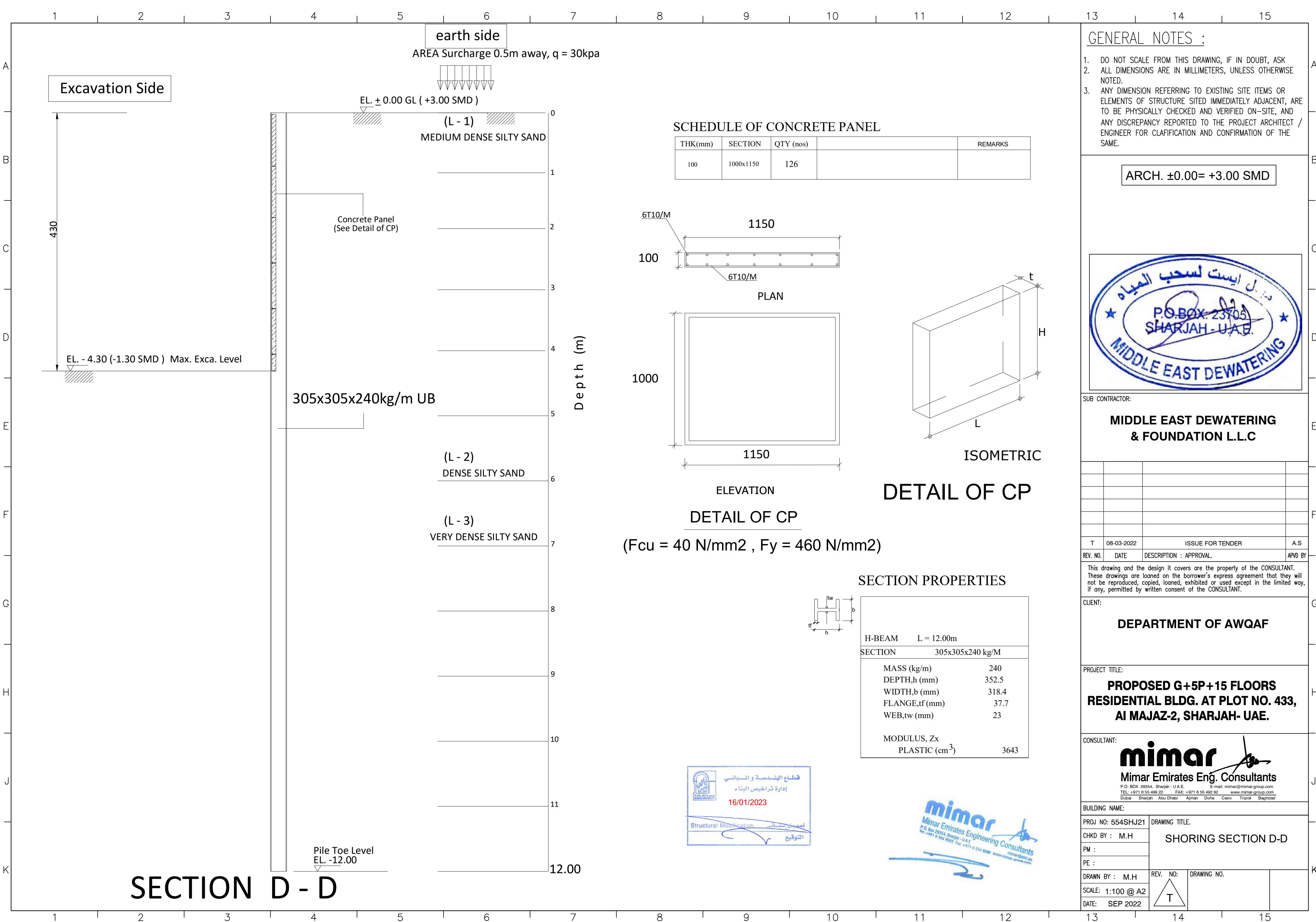
mimar
Mimar Emirates Eng. Consultants
P.O. BOX: 28954, Sharjah - U.A.E. E-mail: mimar@mimar-group.com
TEL: +971 6 55 498 22 FAX: +971 6 55 492 92 www.mimar-group.com
Dubai Sharjah Abu Dhabi Ajman Doha Cairo Tripoli Baghdad

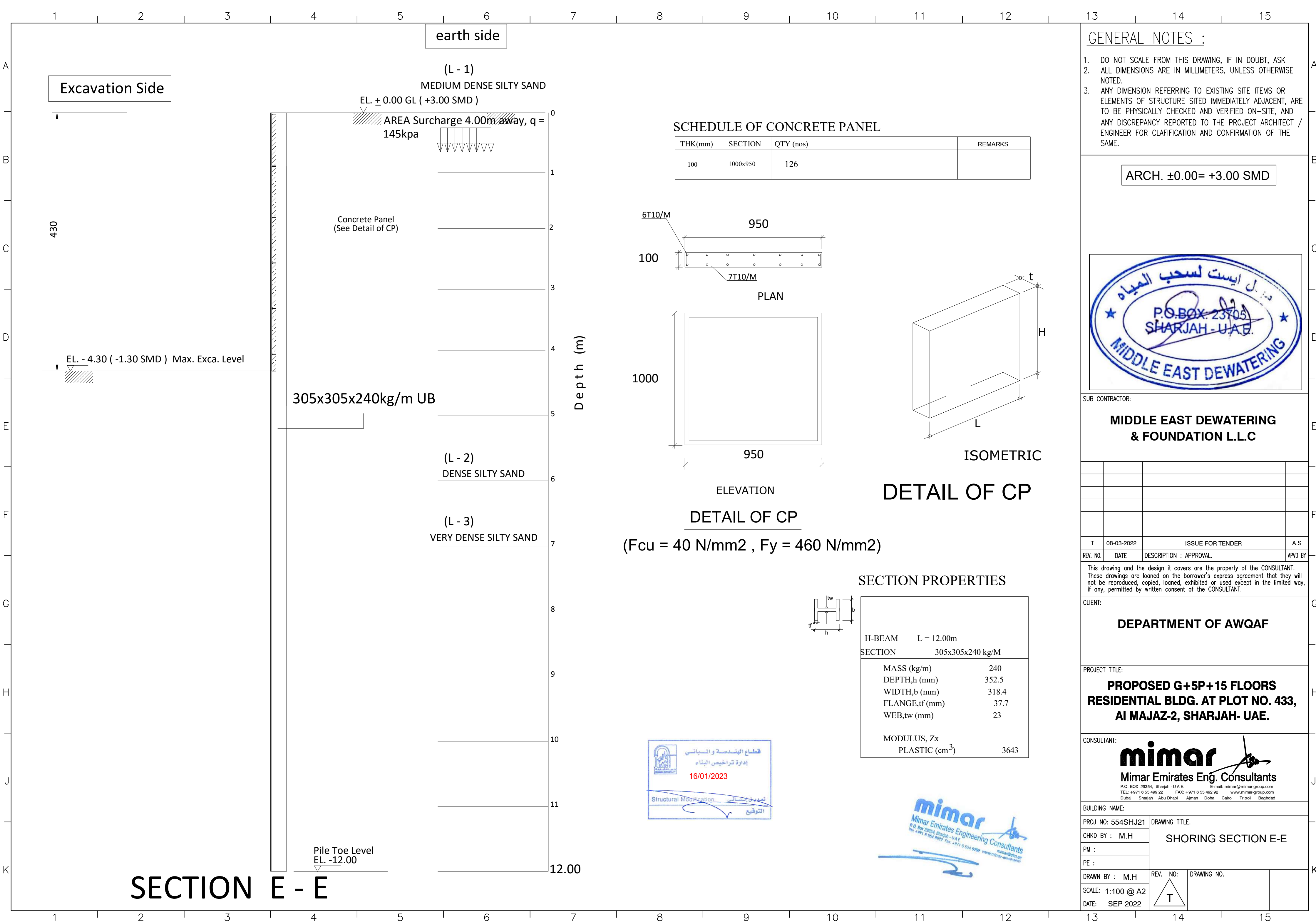
BUILDING NAME:		DRAWING TITLE:	
PROJ NO: 554SHJ21		SHORING LAYOUT	
CHKD BY : M.H			
PM :			
PE :			
DRAWN BY : M.H		REV. NO:	DRAWING NO.
SCALE: 1:100 @ A2			
DATE: SEP 2022			

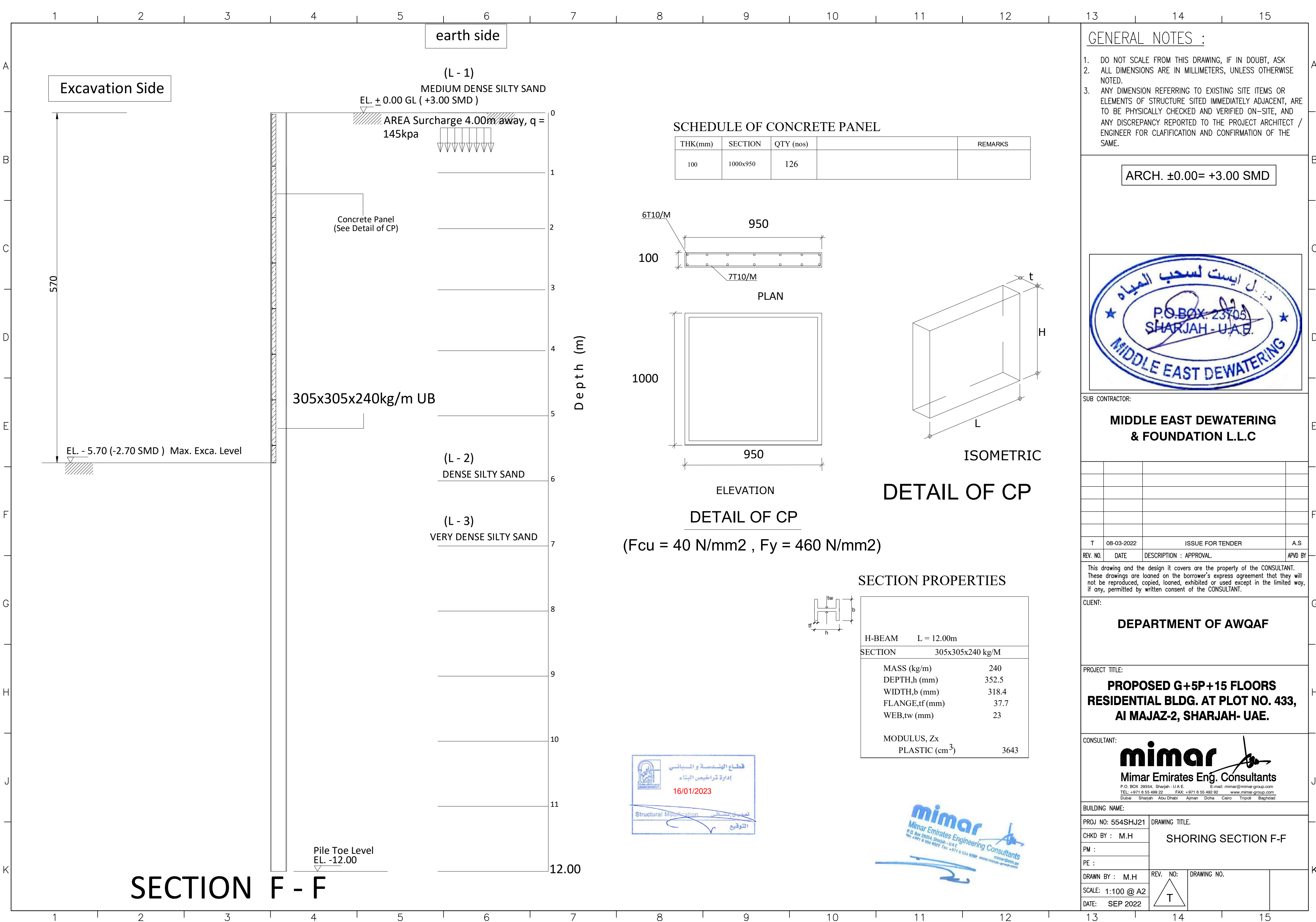










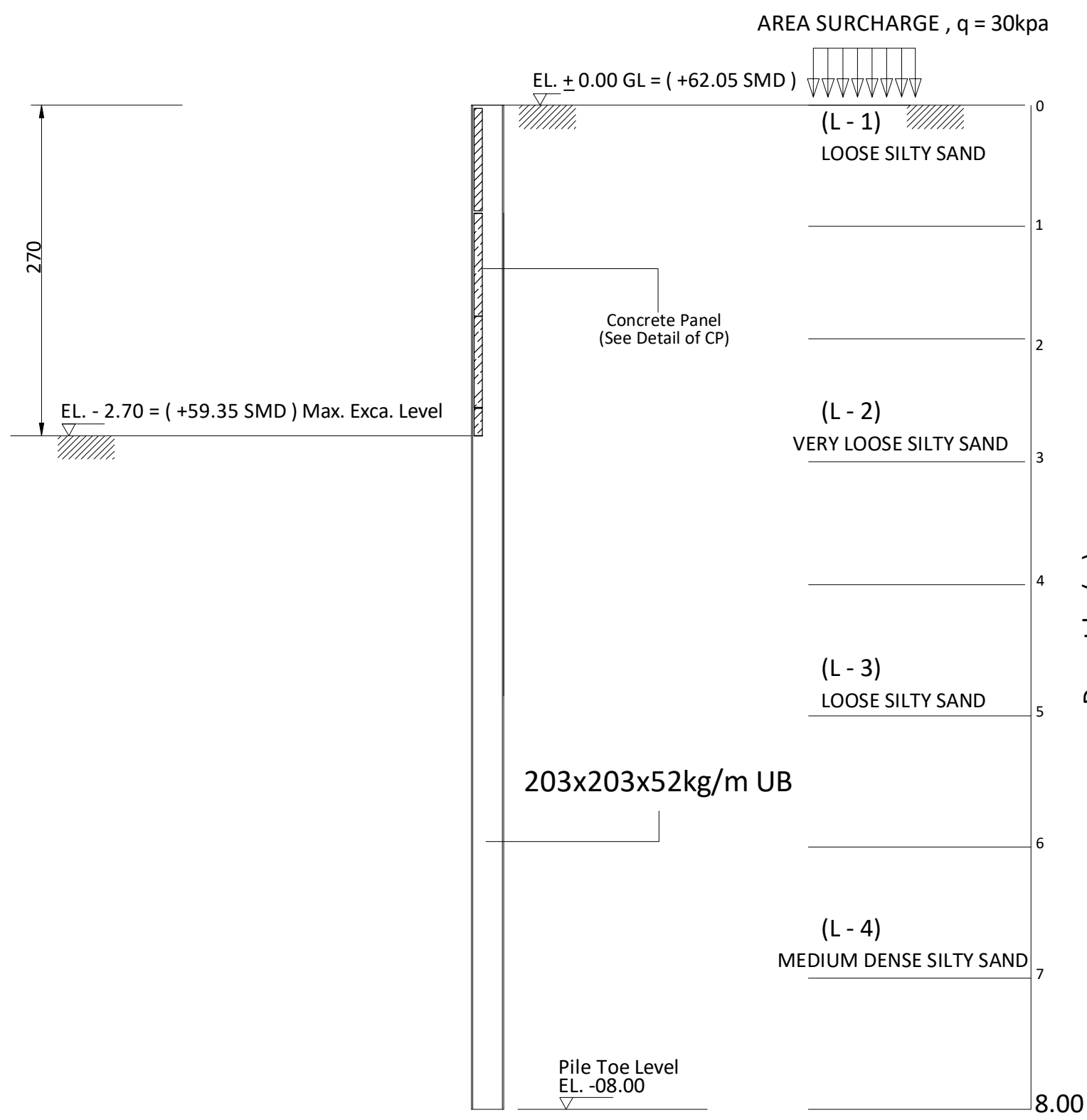




M. Bates

Excavation Side

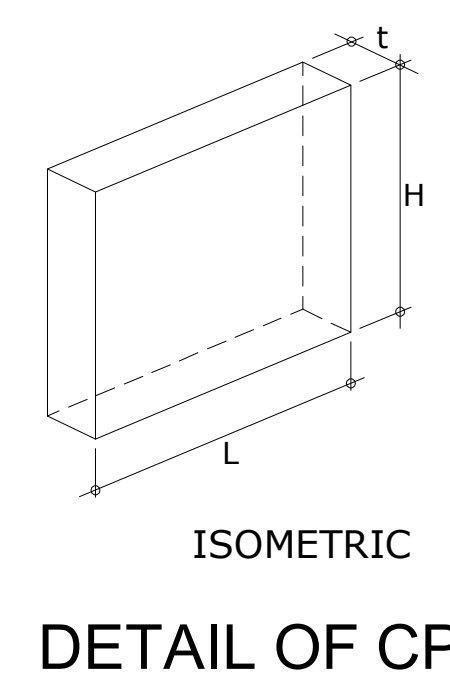
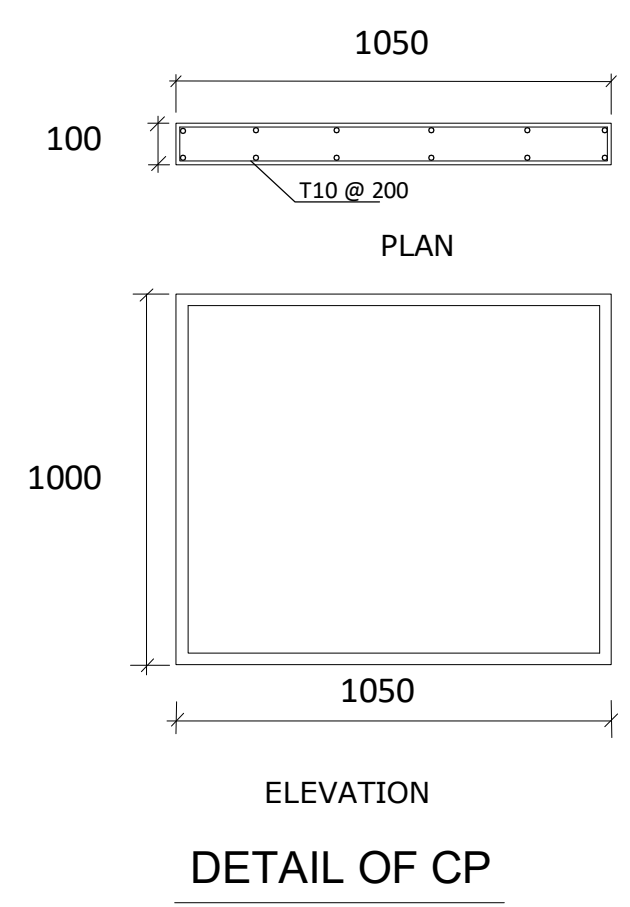
earth side



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1050		



SECTION PROPERTIES

H-BEAM	L = 08.00m
SECTION	203x203x52kg/M
MASS (kg/m)	52
DEPTH,h (mm)	206.2
WIDTH,b (mm)	204.3
FLANGE,t _f (mm)	12.5
WEB,t _w (mm)	7.9
MODULUS, Z _x	
PLASTIC (cm ³)	510

المشاور الهندسي والبناء
إدارة ترخيص البناء
13/04/2023
تعديل إنشائي
التوقيع

LOCAL AUTHORITY APPROVAL:

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3. DIMENSIONS MUST NOT BE SCALED FROM THIS DRAWING.
4. ALL DIMENSIONS TO BE CHECKED ON SITE AND DISCREPANCIES TO BE REFERRED TO THIS OFFICE FOR DECISION.
5. IN CARRYING OUT WORKS RELATING TO THIS DRAWING, THE CONTRACTOR IS TO BE RESPONSIBLE FOR COMPLYING WITH THE FULL REQUIREMENTS OF ALL RELATED LEGISLATION INCLUDING LOCAL STATUTORY AUTHORITY, SERVICES REGULATIONS AND ALL SAFETY ACTS (LATEST EDITION).
6. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT, ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND ALL RELEVANT SECTIONS OF THE SPECIFICATIONS.

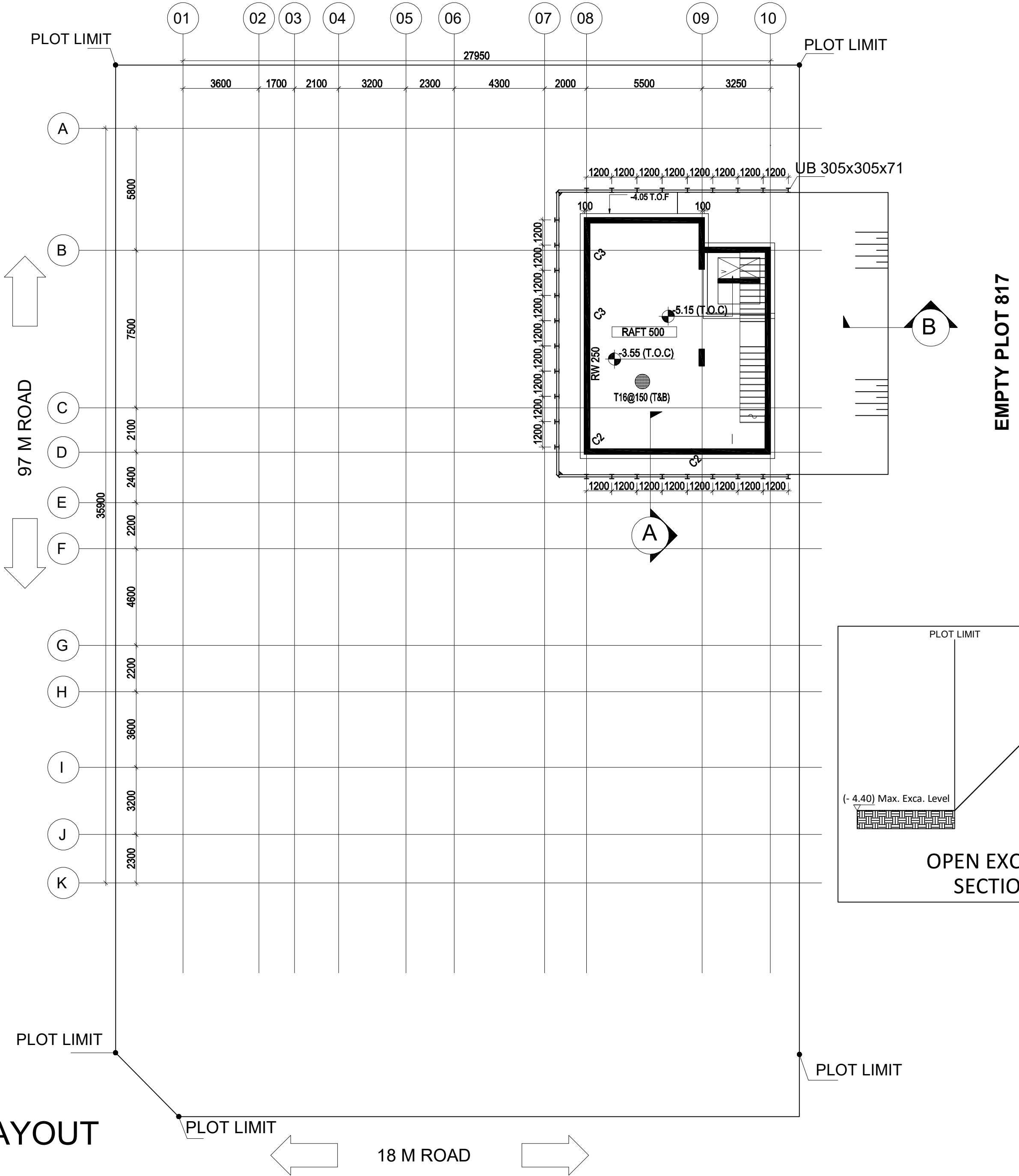
KEY PLAN

شركة
PO BOX 4935
SHARJAH - U.A.E.
MIDDLE EAST DEWATERING

SUB CONTRACTOR :
MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

REV. No	DATE	DESCRIPTION	CHECKED
CLIENT: M/S AL MIDFA INVESTMENTS GROUP LLC			
PROJECT NAME: PROPOSED RESIDENCIAL BUILDING GROUND + 3 TYPICAL + ROOF PLOT NO : 4935 TILAL / AL SUYOH - SHARJAH			
ARCHITECT: AMTAR ARCHITECTURAL & ENGINEERING CONSULTANCY P O BOX 78308 DUBAI UNITED ARAB EMIRATES TEL : +971 (0) 4 5540100 FAX: +971 (0) 4 4310470 Web site : www.amtaruae.com E-mail : admin@amtaruae.com			
DRAWING NAME: SHORING SECTION			
AUTHORIZED BY	DATE	DATE	DATE
DESIGNED BY	M.H	STAGE	
DRAWN BY	M.H	SHEET SIZE	A2
CHECKED BY	M.H	SCALE	1:100
1 UNIT = 10 mm WHEN PRINTED AT A2 SHEET SIZE			
DIVISION	SUB.GROUP	SHEET NUMBER	PROJECT No.
			702
ISSUED FOR:			

EMPTY PLOT 4



SHORING LAYOUT

OPEN EXCAVATION
SECTION B - B

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02- ANY DISCREPANCIES, EITHER BETWEEN WRITTEN DIMENSIONS AND SITE DIMENSIONS OR BETWEEN THIS DRAWING AND OTHER CONSULTANT'S OR SUPPLIER'S DRAWINGS, SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT BEFORE EXECUTING THE WORKS.

03- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, MEP, STRUCTURAL DRAWINGS & CONTRACT DOCUMENTS.

04- THE FINISH LEVEL SHALL REFER TO GATE LEVEL, AS PER MUNICIPALITY AUTHORITY APPROVAL. CONTRACTOR TO AGREE WITH ENGINEER ON SITE AND ESTABLISH PERMANENT BENCHMARK.

05- ALL STEPS AND RETAINING WALLS TO BE BUILT OUT OF SOLID BLOCK FINISHED AS SPECIFIED ON DRAWINGS OTHERWISE EPOXY PAINT FINISH OR GUNNET SAND PLASTER FINISH AS TO COMPLY WITH DETAILS IN SECTIONAL WALL SECTIONS.

06- ALL EXTERNAL BLOCKWORK TO BE 200-200 MM THERMAL OR AS PER DRAWINGS WITH WITHOUT CLADDING AS PER ELEVATIONS.

07- ALL INTERNAL HOLLOW CORE CONCRETE BLOCKWORK TO BE FULL HEIGHT UNLESS SPECIFIED.

08- ALLOW FOR WOODEN FRAMING FOR DOOR WINDOW OTHERWISE AT INTERIOR DESIGNER DISCRETION.

09- ALLOW FOR LITTLE BEAM/BALK HEADS UNLESS OTHERWISE SHOWN IN SECTIONS.

10- ALL SANITARY FITTINGS/FINISHES LOCATIONS ARE INDICATED FOR USE. EXACT DIMENSIONS, SIZE, LOCATION ETC TO COMPLY WITH ID REQUIREMENT AND TO ENGINEERS APPROVAL ON SITE.

11- UNLESS INDICATED IN SECTIONAL WALLS/DOORS/FREE STANDING WALLS, SHOWER ENCLOSURES, SLIDING FOLDING DOORS & KITCHEN CABINETS ETC AS PER INTERIOR DESIGN DETAILS OR BY NOMINATED SUB CONTRACTOR.

12- ALL STAIRS TO BE COVERED WITH PRECAST CONCRETE SLABS WITH REINFORCING BARS TERMINATION WITH MEP SERVICE TO BE COORDINATED BY MAIN CONTRACTOR.

13- ALL STAIRS ABOVE GROUND LEVEL TO BE BUILT AS NORMAL RCC OTHERWISE 150 MM THK.

14- ALL ALUMINUM POWER COATED PROFILES TO BE 60MM & HEAVY DUTY SECTIONS FROM GULF EXTRUSIONS OR AS APPROVED BY THE ENGINEER.

15- ALL GLASS UNIT COMPOSES OF 6MM TINTED GLASS-12 MM GAP-6MM CLEAR GLASS TO COMPLY WITH U-VALUE REQUIREMENT.

16- THE PATCH FITTINGS FOR BOTH DOOR, WINDOW & PARTITIONS SHALL COMPLY TO PERFORMANCE REQUIREMENT AS PER THE TYPE, SIZE & LOCATION (SLIDING/FOLDING ETC).

17- ALLOW GARD BLASTING PATTERN FOR ORCARE GLASS & STAINLESS STEEL PATCH FITTINGS CLEAR FINISHES.

18- ALL WOODEN FRAMES TO BE TREAT WOOD OR HARD WOOD TO ENGINEERS APPROVAL, AS PER JOBBY DETAILS INCLUDING ARCHITRAVE AT INTERIOR DESIGNER DISCRETION.

19- ALL SOLID CORE & SHAL SOLID CORE TO BE FINISHED WITH NECESSARY STYLES, JAILS, HARD WOOD LIPPING & FINISHED WITH VENEER AT INTERIOR DESIGNER DISCRETION.

20- INTERIOR TO INCLUDE HEAVY DUTY PANEL, TOWER HOLD DOOR STOPPERS/HANDLES WITH LOCKS TO COMPLY AS PER DOOR WEIGHT/FINISH & TYPE AT INTERIOR DESIGNER DISCRETION.

SUB CONSULTANTS :		
	AR	ARCHITECT OF RECORD :
	C	CIVIL CONSULTANT:
	I	INTERIOR DESIGN CONSULTANT:
	S	STRUCTURAL CONSULTANT :
	MEP	MEP CONSULTANT :



NO.	DESCRIPTION	REVISION HISTORY	DATE
-----	-------------	------------------	------

SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



TEAM BUSINESS CENTER, SUITE 202, SHARJAH UNITED ARAB EMIRATES
P.O. BOX 10000, T. 027380000, F. 027380000, E. INFO@SHAPE.AE
ABDULLA ALI AL-SHAMS

CLIENT :
Mr. Ismail Haji Ahmed Alsarkal

PROJECT TITLE :
PROPOSED VILLA (B+G+1) + SERVICE BLOCK (G) (GUARD R. + CAR PARKING + PUMP R. + STORE) + SWIMMING POOL + BOUNDARY WALL

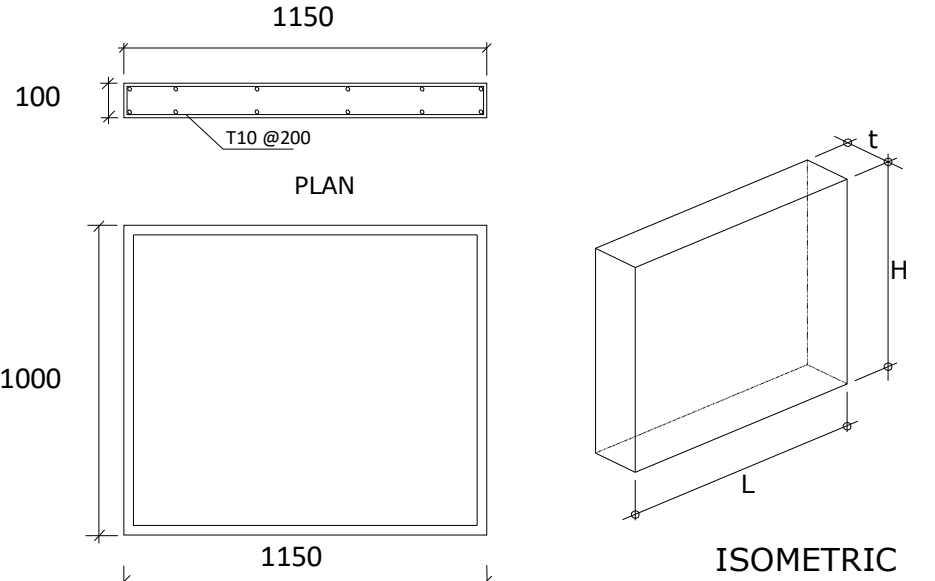
LOCATION :	SHARJAH - AL SIYOUH	
ZONE :	AL MOWRRADA 5	PLOT NO : 816
PROJECT ID :	25-046	PLOT AREA : 1625
SCALE :	@ A2	SUBMISSION DATE : 01/08/2023
DESIGNED BY :	DRAWN BY :	CHECKED BY :
Designer	Author	Checker

DRAWING TITLE :
SHORING LAYOUT

DRAWING NO :	REV :
--------------	-------

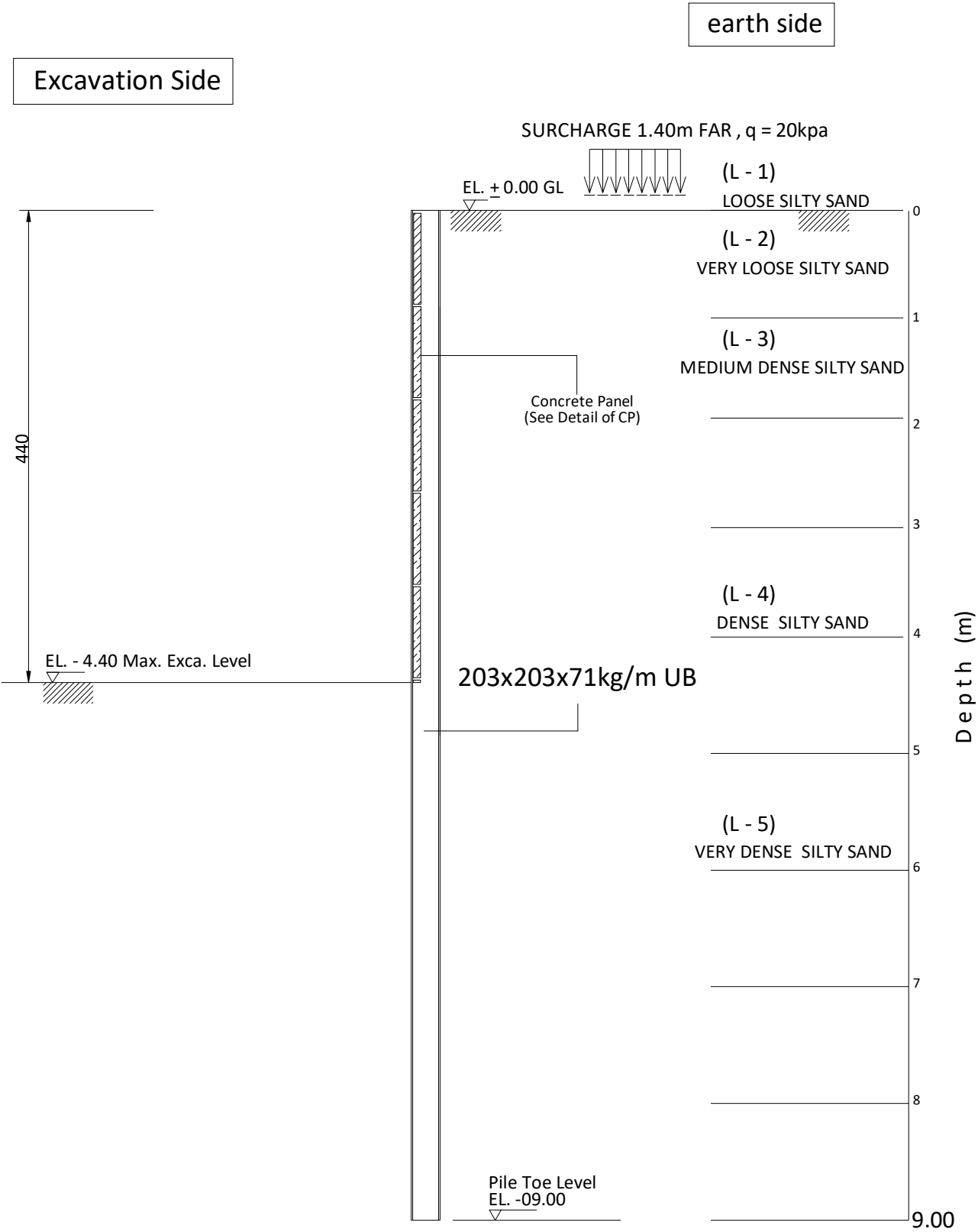
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



SECTION PROPERTIES

H-BEAM	L = 09.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



SECTION A - A

GENERAL NOTES:

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01- ALL DIMENSIONS AND LEVELS ARE IN METERS. DIMENSIONS ARE NOT TO BE SCALED FROM THIS DRAWING. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACTOR AND THEIR SUBCONTRACTORS ARE TO VERIFY ALL RELEVANT CODES OF PRACTICES AND VERIFY DIMENSIONS ON SITE BEFORE PREPARING SHOP DRAWINGS FOR AUTHORITY REQUIREMENTS AND BEFORE EXECUTING THE WORKS.

02- ANY DISCREPANCIES, EITHER BETWEEN WRITTEN DIMENSIONS AND SITE DIMENSIONS OR BETWEEN THIS DRAWING AND OTHER CONSULTANTS OR SUPPLIERS DRAWINGS, SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT BEFORE EXECUTING THE WORKS.

03- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, STRUCTURAL DRAWINGS & CONTRACT DOCUMENTS.

04- THE FINISH LEVEL SHALL REFER TO GATE LEVEL, AS PER MUNICIPALITY AUTHORITY APPROVAL. CONTRACTOR TO AGREE WITH ENGINEER ON SITE AND ESTABLISH PERMANENT BENCHMARK.

05- ALL STEPS AND RETAINING WALLS TO BE BUILT OUT OF SOLID BLOCK FINISHED AS SPECIFIED ON DRAWINGS OTHERWISE EPOXY PAINT FINISH OR GUNNET SAND PLASTER FINISH BASED TO COMPLY WITH DETAILS IN SECTION WALL SECTION.

06- ALL EXTERNAL BLOCKWORK TO BE 200-200 MM THERMAL OR AS PER DRAWINGS WITH WITHOUT CLADDING AS PER ELEVATIONS.

07- ALL INTERNAL, HOLLOW CORE CONCRETE BLOCKWORK TO BE FULL HEIGHT UNLESS SPECIFIED.

08- ALLOW FOR WOODEN FRAMING FOR DOOR WINDOW OTHERWISE AT INTERIOR DESIGNER DISCRETION.

09- ALLOW FOR UNITS, BEAMS/BALK HEADS UNLESS OTHERWISE SHOWN IN SECTIONS.

10- ALL SANITARY FITTINGS, FINISHES LOCATIONS ARE INDICATED FOR USE. EXACT DIMENSIONS, SIZE, LOCATION ETC TO COMPLY WITH ID REQUIREMENT AND TO ENGINEERS APPROVAL ON SITE.

11- UNLESS INDICATED IN DETAIL WALL WORKS/FREE STANDING WALLS, SHOWER ENCLOSURES, SLIDING FOLDING DOORS & KITCHEN CABINETS ETC AS PER INTERIOR DESIGN DETAILS OR BY NOMINATED SUB CONTRACTOR.

12- ALL BRICKS TO BE COVERED WITH PRECAST CONCRETE SLABS WITH REINFORCING TERMINATION WITH MEP SERVICE TO BE COORDINATED BY MAIN CONTRACTOR.

13- ALL BRICKS ABOVE GROUND HEIGHT TO BE BUILT AS NOMINAL THICKNESS 100 MM THK.

14- ALL ALUMINUM POWER COATED PROFILES TO BE SLIM & HEAVY DUTY SECTIONS FROM GULF EXTRUSIONS OR AS APPROVED BY THE ENGINEER.

15- ALL GLASS GLASS UNIT COMPOSES OF 6MM TINTED GLASS - 12 MM GAP - 6MM CLEAR GLASS TO COMPLY WITH U-VALUE REQUIREMENT.

16- THE PATCH FITTINGS FOR BOTH DOOR, WINDOW & PARTITIONS SHALL COMPLY TO PERFORMANCE REQUIREMENT AS PER THE TYPIC, SIZE & LOCATION (SLIDING WINDOW/FOLDING ETC).

17- ALLOW GARDEN BLASTING PATTERN FOR OSCURE GLASS & STAINLESS STEEL PATCH FITTINGS CLEAR SEALANTS.

18- ALL WOODEN FRAMES TO BE TREAT WOOD OR HARD WOOD TO ENGINEERS APPROVAL, AS PER JOBBY DETAILS INCLUDING ARCHITECTURAL AT INTERIOR DESIGNER DISCRETION.

19- ALL SOLID CORE & BRICK BLOCKS TO BE FINISHED WITH NECESSARY STYLES, JAILS, HAND WOOD LIPPING & FINISHED WITH VENEER AT INTERIOR DESIGNER DISCRETION.

20- INFORMATIVE TO INCLUDE HEAVY DUTY WHEEL, TOWER HOLE DOOR STOPPERS/HANDLES WITH LOCKS TO COMPLY AS PER DOOR WEIGHT FINISH & TYPE AT INTERIOR DESIGNER DISCRETION.

SUB CONSULTANTS :		
AR	ARCHITECT OF RECORD :	P.O. BOX 2305, SHARJAH
C	CIVIL CONSULTANT:	P.O. BOX 2305, SHARJAH
I	INTERIOR DESIGN CONSULTANT:	P.O. BOX 2305, SHARJAH
S	STRUCTURAL CONSULTANT :	P.O. BOX 2305, SHARJAH
MEP	MEP CONSULTANT :	P.O. BOX 2305, SHARJAH

KEY PLAN / AUTHORITY STAMP :



NO.	DESCRIPTION	DATE
REVISION HISTORY		

SUB CONTRACTOR:

MIDDLE EAST DEWATERING & FOUNDATION L.L.C

CONSULTANT:



TEAM BUSINESS CENTER, SUITE 205, SHARJAH UNITED ARAB EMIRATES
P.O. BOX 2305, SHARJAH, U.A.E. TEL: 06-23388888, F: 06-23388888, E: INFO@SHAPE.AE

ABDULLA ALI AL-SHAMS

CLIENT :

Mr. Ismail Haji Ahmed Alsarkal

PROJECT TITLE :

PROPOSED VILLA (B+G+1) + SERVICE BLOCK (G) (GUARD R.+ CAR PARKING + PUMP R. + STORE) + SWIMMING POOL + BOUNDARY WALL

LOCATION :		SHARJAH - AL SIYUOH	
ZONE :	AL MOWRRADA 5	PLOT NO :	816
PROJECT ID :	25-046	PLOT AREA :	1625
SCALE :	@ A2	SUBMISSION DATE :	01/08/2023
DESIGNED BY :	DRAWN BY :	CHECKED BY :	
Designer	Author	Checker	

DRAWING TITLE :

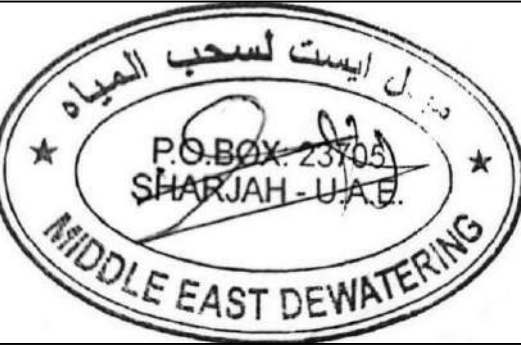
SHORING SECTION DETAILS

DRAWING NO :	REV :
--------------	-------



ميدان ايسنت لمشعب المياه ذ.م.م
P.O.Box : 23705
Sharjah - U.A.E.
MIDDLE EAST DEWATERING LLC

- 
قطاع الهندسة والبناء
إدارة تراخيص البناء
 ناسر
Structural Approved إنشائي معتمد
التوقيع
25-7-2023



**SUB CONTRACTOR :
MIDDLE EAST DEWATERING
& FOUNDATION L.L.C**



CLIENT NAME:

**Mr. Ali Jassim Ali Abdulla
Almazrouei .**

**Mr. Mohammed Ateeq
Alzafna Khamis Almarar.**

PROPOSED PROJECT:
PROPOSED BUILDING
(G+4+50%)

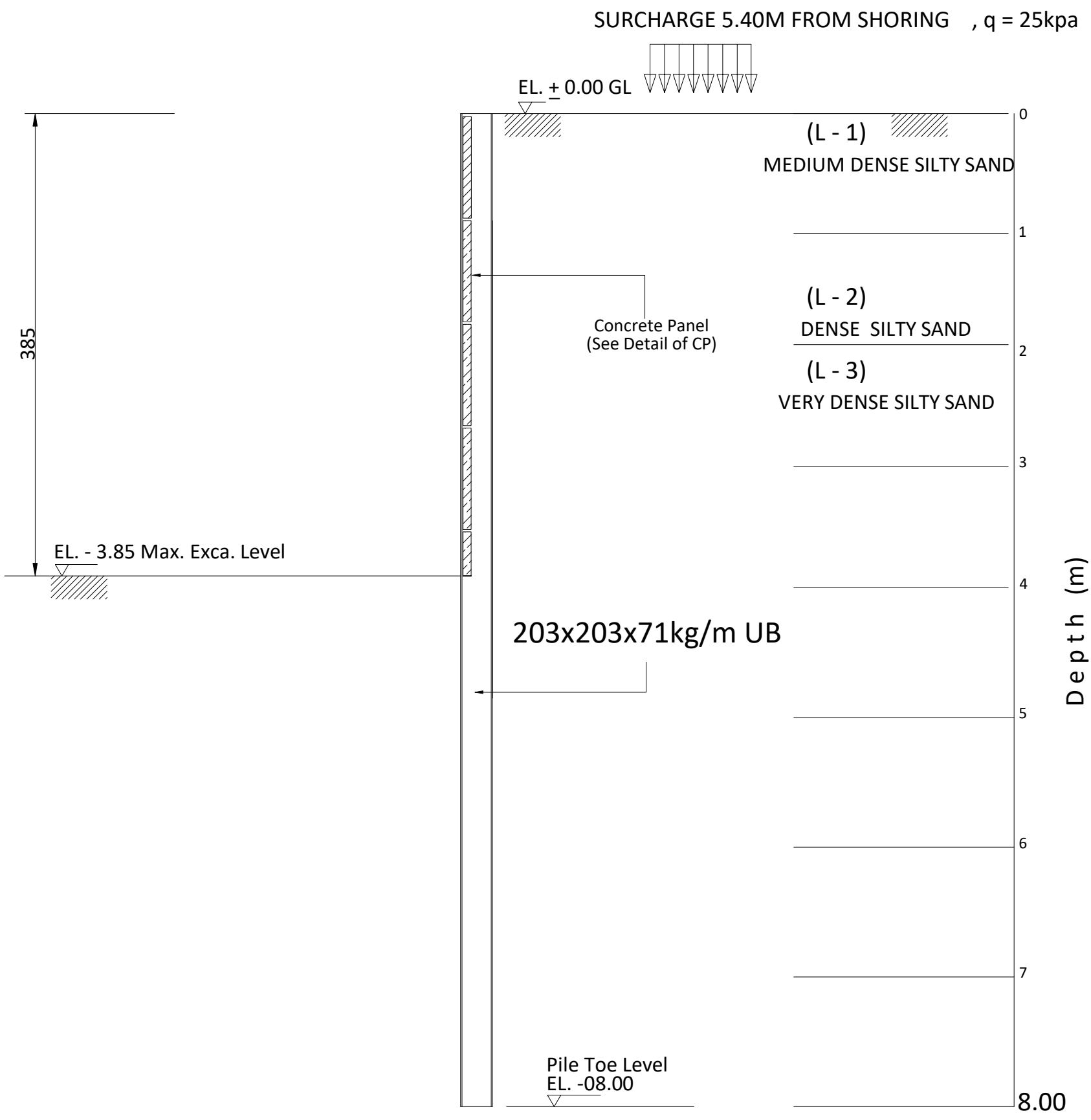
PROJECT LOCATION: GOV NO. 6612
MUWAILIH - COMMERCIAL MULK NO. 233/3197

SHEET CONTENT:
SHORING AND EXCAVATION LAYOUT

HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY REVIT	
STRUCT. DESIGNED BY ENG. MAHMOUD HOUSNI		MUN. CREATED BY REVIT	
ELEC. DESIGNED BY			
SERVICES DESIGNED BY			
Project NUMBER: 4101		DRAWING NUMBER: S-07	
DATE 20/07/2023		SCALE 100	REF. NO.
NO.	DATE	REVISIONS	

Excavation Side

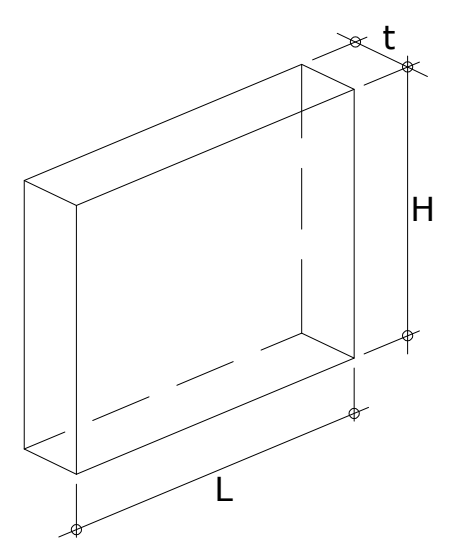
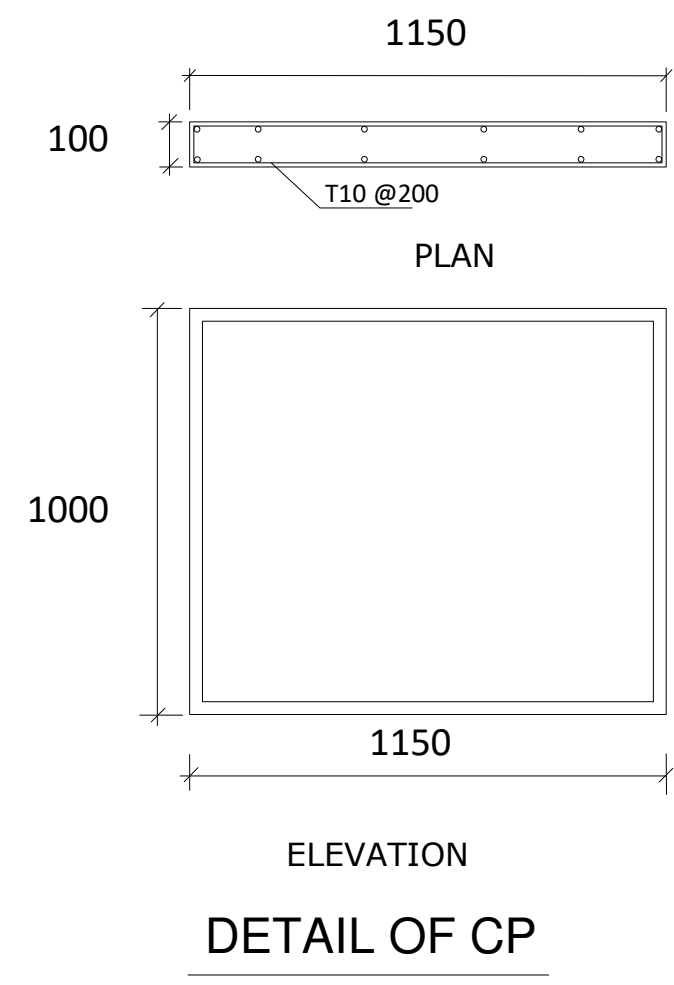
earth side



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



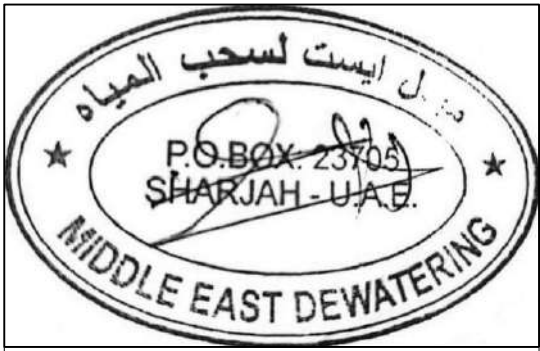
DETAIL OF CP

SECTION PROPERTIES

H-BEAM	L = 08.00m	Fy = 275 N/mm^2
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,t _f (mm)	17.3	
WEB,t _w (mm)	10	
MODULUS, Z _x		
PLASTIC (cm ³)	706	



- GENERAL NOTES:-
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 - ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION.
 - VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.
 - NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT SECURING WRITTEN PERMISSION FROM THE ARCHITECT.
 - ALL WORK AS OUTLINED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES.
 - IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



CLIENT NAME:
Mr. Ali Jassim Ali Abdulla Almazrouei .
Mr. Mohammed Ateeq Alzafna Khamis Almarar.

PROPOSED PROJECT:
PROPOSED BUILDING (G+4+50%)

PROJECT LOCATION: GOV NO. 6612
MUWAILIH - COMMERCIAL MULK NO. 233/3197

SHEET CONTENT:
SHORING SECTION DETAIL

HEAD OF DESIGN SECTION	HEAD OF ENGINEERING SECTION
ARCH. DESIGNED BY	T. P. CREATED BY REVIT
STRUCT. DESIGNED BY ENG. MAHMOOD HOUSNI	
ELEC. DESIGNED BY	MUN. CREATED BY REVIT
SERVICES DESIGNED BY	
Project NUMBER: 4101	DRAWING NUMBER: S-07
DATE 20/07/2023	SCALE 100
NO.	DATE
	REVISIONS




 قطاع الهندسة و المياني
 إدارة تراخيص البناء
 07/02/2024
 تعديل إنشائي
 الختم



SUB CONTRACTOR :-
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

NO.	DATE	ENG.	REVISION
-----	------	------	----------

DESIGN CONSULTANT: **الاستثمار**
INVESTMENT
Engineering Consultancy

TEL : +971 6 5737879 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE
www.investmentengineering.ae EMAIL : investment.shj@gmail.com

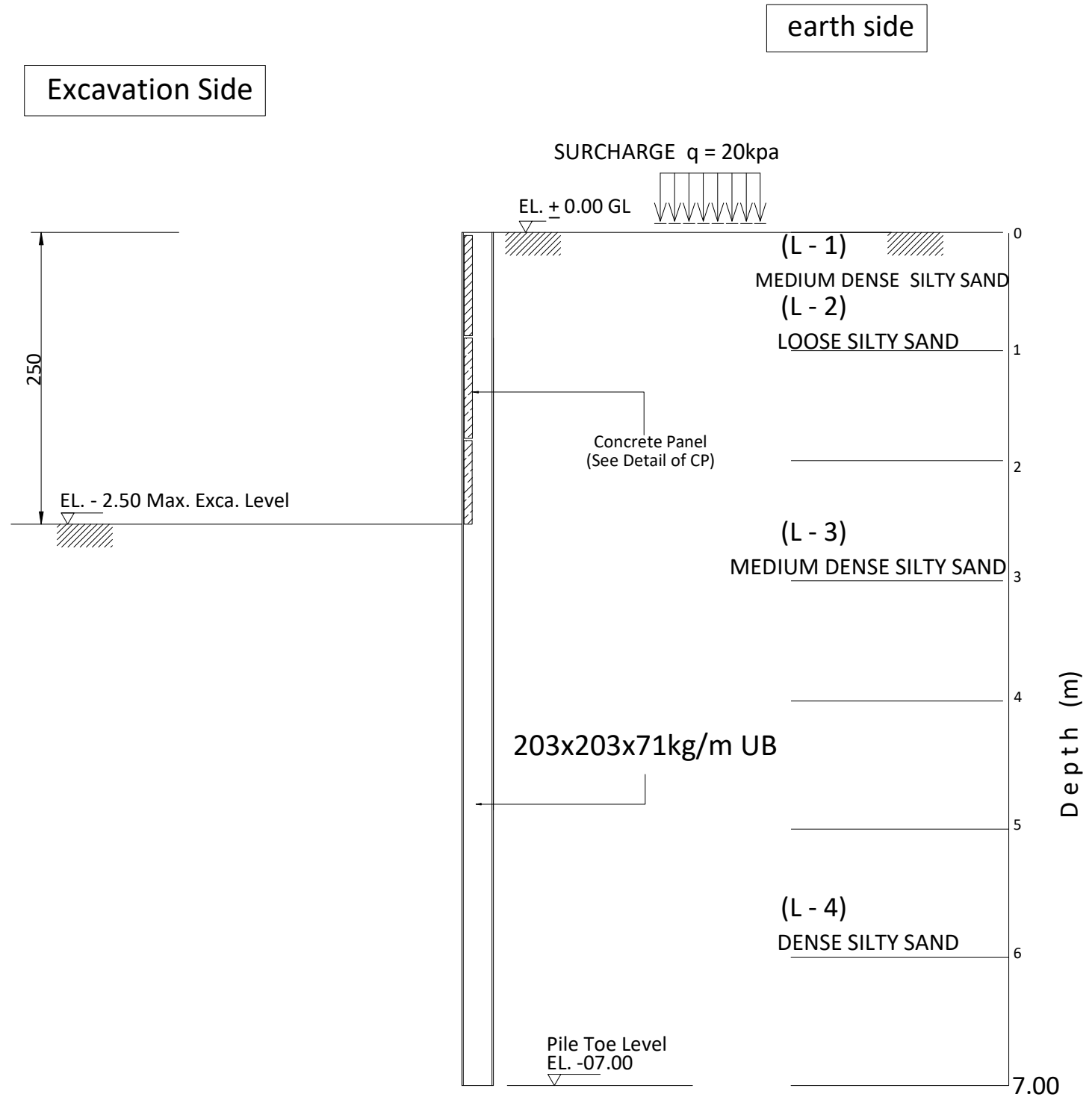


CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

DWG. TITLE :
SHORING LAYOUT

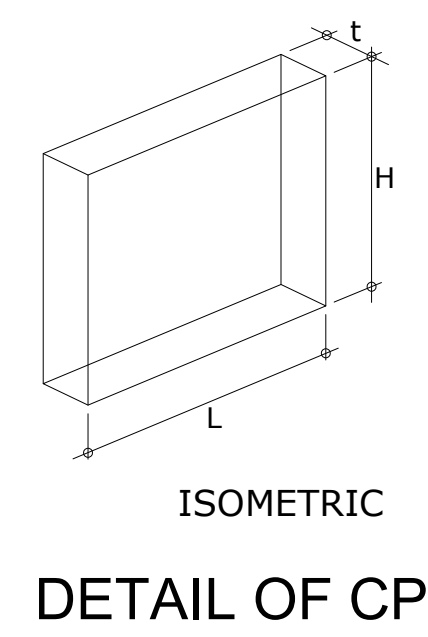
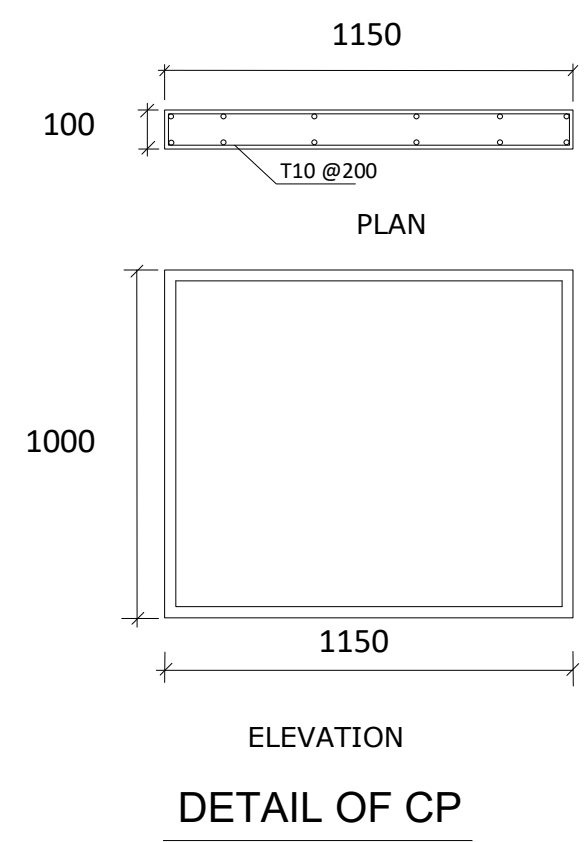
PLOT NO:-	MULK	476	BLOCK:-	AL MAJAZ 2
	GOV.	363		
DESIGNED BY:- M.H	COORDINATED BY:-		APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:-	1/100	DATE:- 2023	JOB NO. :-
	SHEET SIZE: A2			



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



SECTION PROPERTIES

	H-BEAM	L = 07.00m	Fy = 275 N/mm ²
	SECTION	203x203x71kg/M	
	MASS (kg/m)	71	
	DEPTH,h (mm)	215.8	
	WIDTH,b (mm)	206.4	
	FLANGE,tf (mm)	17.3	
	WEB,tw (mm)	10	
	MODULUS, Zx		
	PLASTIC (cm ³)	706	



MATERIAL PROPERTIES FOR RC ELEMENTS :

- * CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
- * STEEL SHOULD BE USED HIGH GRADE DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2

GENERAL NOTES :

1. DO NOT SCALE FROM DRAWING.
2. ALL DIMENSIONS TO BE VERIFIED ON SITE
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
4. CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
5. ALL MATERIAL TO BE APPROVED IN WRITTEN BY ENGINEER.
6. CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
7. THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR :-
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

NO.	DATE	ENG.	REVISION
-----	------	------	----------

DESIGN CONSULTANT:

الاستثمار
INVESTMENT
Engineering Consultancy

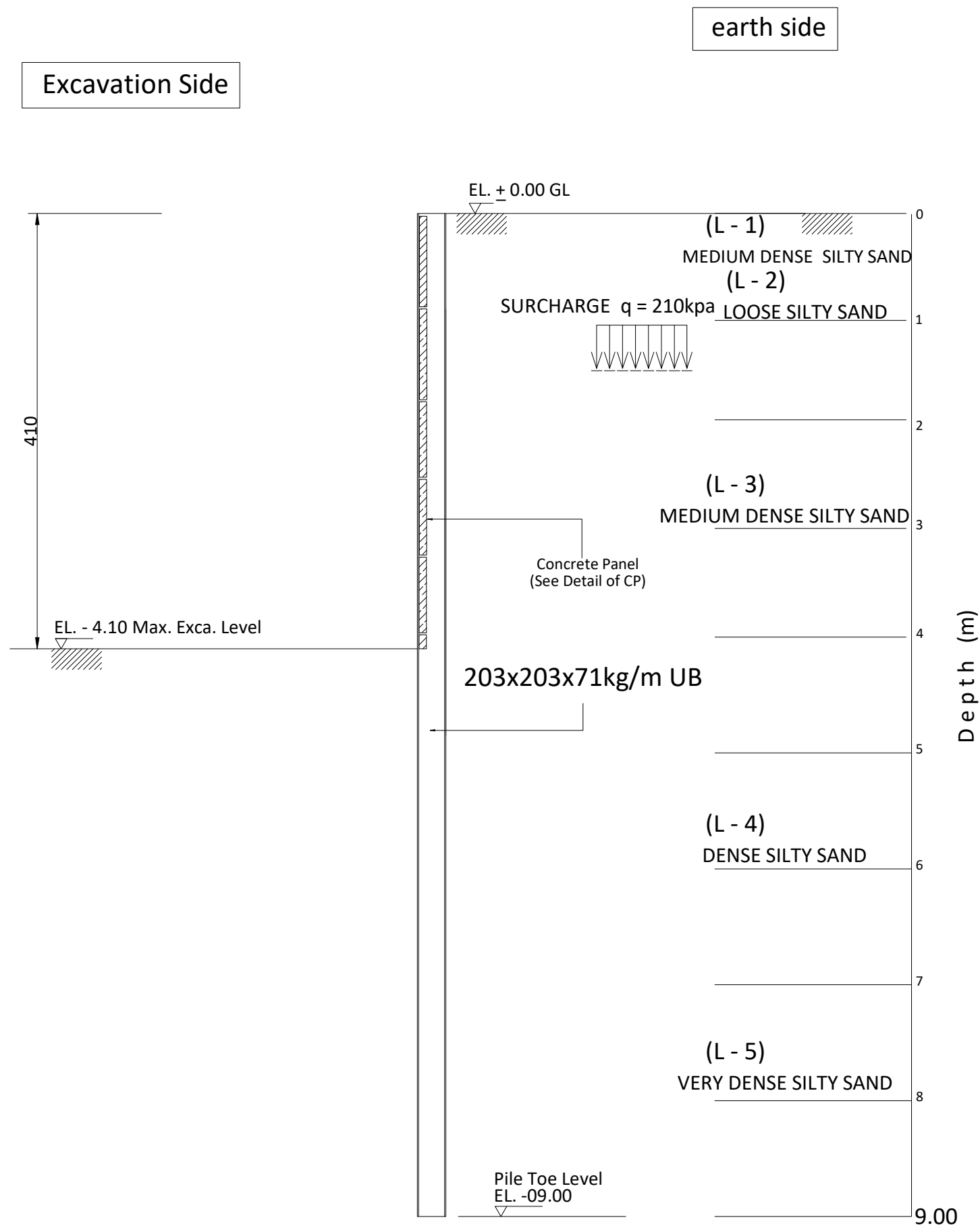
TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE
www.investmentengineering.ae EMAIL : investment.shj@gmail.com

CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

DWG. TITLE :
SHORING SECTION A

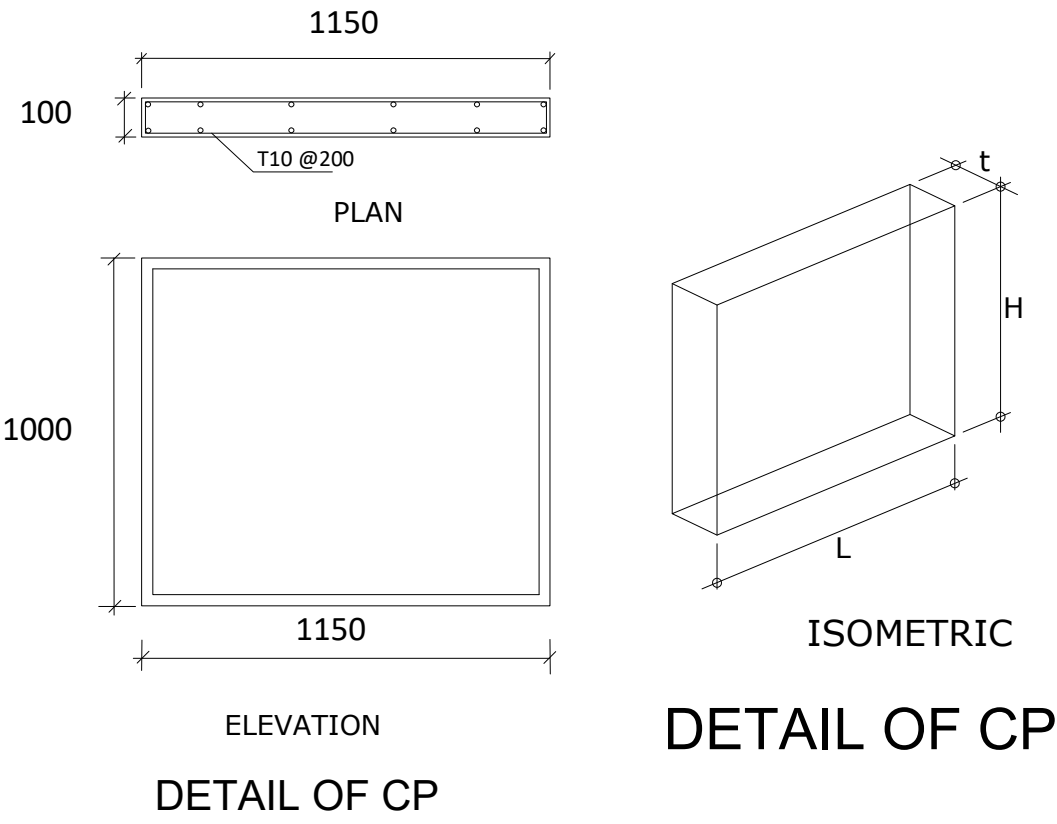
PLOT NO:-	MULK GOV. 476 363	BLOCK:-	AL MAJAZ 2
DESIGNED BY:- M.H	CORDINATED BY:-	APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 2023	JOB NO. :-



SECTION B - B

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



SECTION PROPERTIES

H-BEAM	L = 09.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



MATERIAL PROPERTIES FOR RC ELEMENTS :

- * CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
- * STEEL SHOULD BE USED HIGH GRADE DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2

GENERAL NOTES :

- DO NOT SCALE FROM DRAWING.
- ALL DIMENSIONS TO BE VERIFIED ON SITE
- THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
- CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
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- CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
- THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR :-
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

NO.	DATE	ENG.	REVISION
DESIGN CONSULTANT:			
الاستثمار INVESTMENT Engineering Consultancy			
TEL : +971 6 5737979 FAX : +971 6 5737779			
P.O.BOX : 1388, SHARJAH , UAE			
www.investmentengineering.ae EMAIL : investment.shj@gmail.com			

CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

DWG. TITLE :
SHORING SECTION B

PLOT NO:-	MULK GOV.	476 363	BLOCK:-	AL MAJAZ 2
DESIGNED BY:- M.H	CORDINATED BY:-	APPROVED BY:- H.S	DRAWING NO. :- STR- 05	
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 2023	JOB NO. :-	

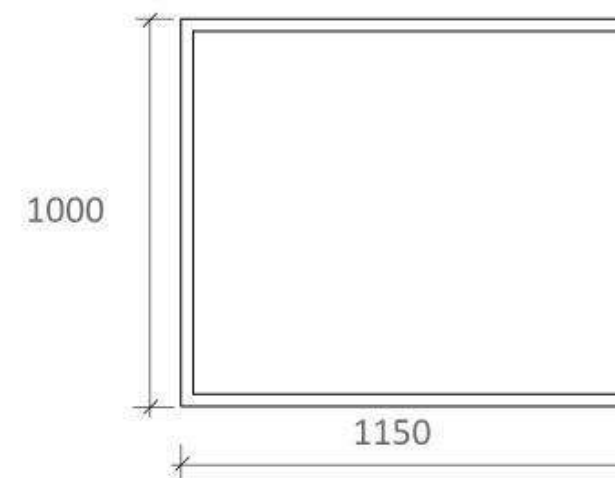
Excavation Side

EL. ± 0.00 GL

Depth (m)

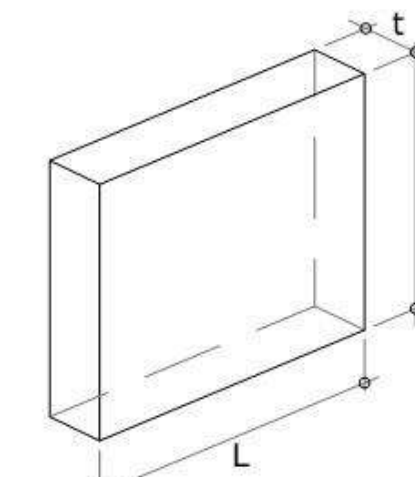
SECTION A - A

THK(mm)	SECTION			REMARKS
100	1000x1150			



ELEVATION

DETAIL OF CP



ISOMETRIC
DETAIL OF CP

H-BEAM L = 12.00m	
SECTION	305x305x97kg/M
MASS (kg/m)	96.9
DEPTH,h (mm)	307.9
WIDTH,b (mm)	305.3
FLANGE,tf (mm)	15.4
WEB,tw (mm)	9.9
MODULUS, Z _x	
PLASTIC (cm ³)	1445

	ARCHITECT OF RECORD : P.O. BOX 43902, DUBAI, UAE T : +971 4 364 2887 F : +971 4 364 2882
CIVIL CONSULTANT P.O. BOX 43902, DUBAI, UAE T : +971 4 364 2887 F : +971 4 364 2882	INTERIOR DESIGN CONSULTANT P.O. BOX 43902, DUBAI, UAE T : +971 4 364 2887 F : +971 4 364 2882
STRUCTURAL CONSULTANT P.O. BOX 43902, DUBAI, UAE T : +971 4 364 2887 F : +971 4 364 2882	


 قطاع التعليم والبحث العلمي
 إدارة تراخيص البناء
 14-12-2023
 Structural Modification
 تعديل إنشائي
 التوقيع: *hmr*



MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

00. ISSUE FOR MUNICIPALITY	15-APR-2023
NO. DESCRIPTION	DATE
REVISION HISTORY	




009 428 232 2404-014, UNITED ARAB EMIRATES
 0110442255, F: +37710404017, E: INFO@SHAPE.AE

ABDULLA ALI AL-SHAMS

Abdulla Ali Hamad Obaid Al-Shamsi & Ali
Hamad Obaid Al-Shamsi

PROPOSED B+G+3 RESIDENTIAL
BUILDING

ZONE :	SHARJAH	PLOT NO :	2794-2796
PROJECT ID :	11-001	PLOT AREA :	1050.00 m2
SCALE :	1 : 100 @ A1	SUBMISSION DATE :	13-APR-2023

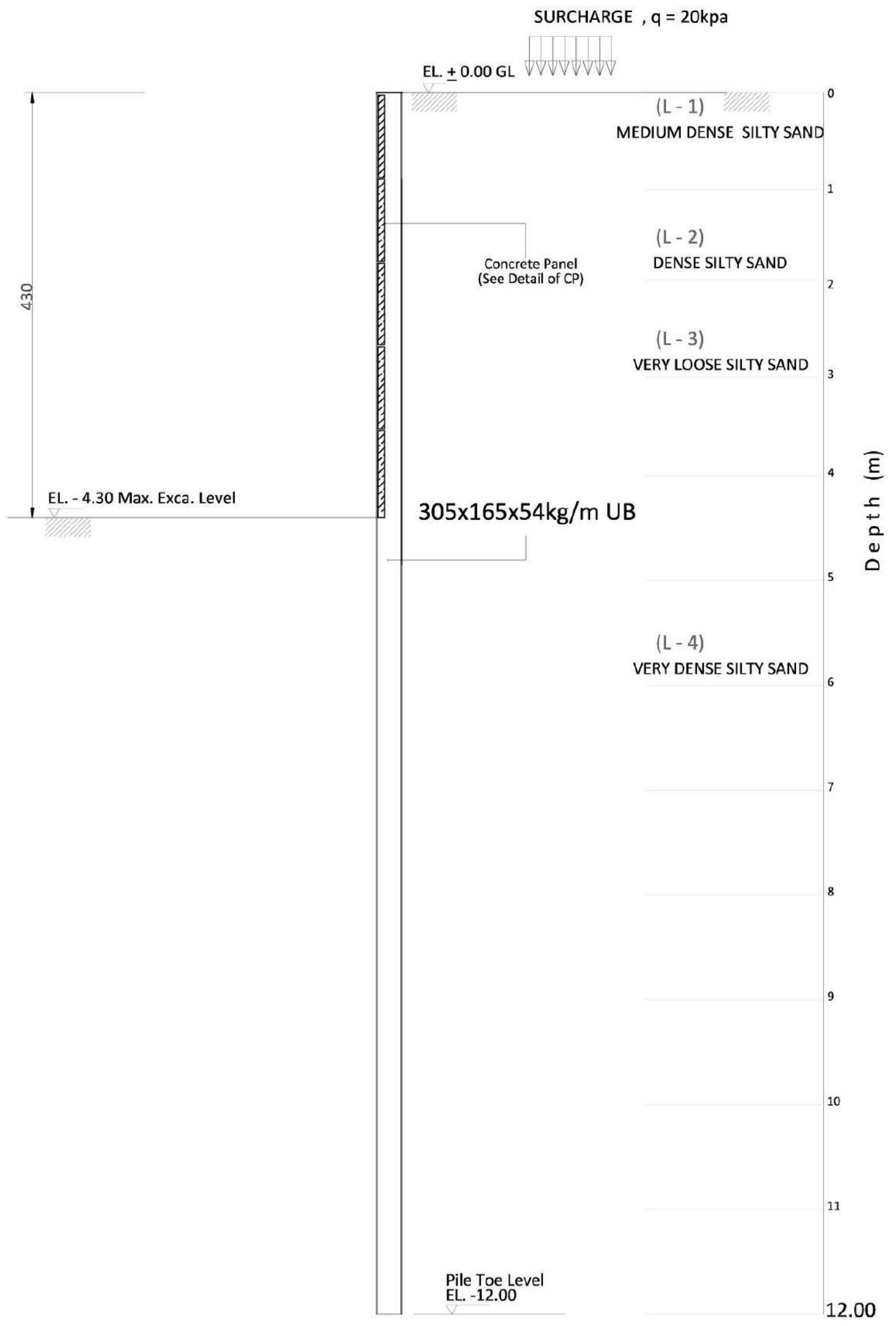
DESIGNED BY :	DRAWN BY :	CHECKED BY :
	M.H	M.H

SHORING SECTION A

00

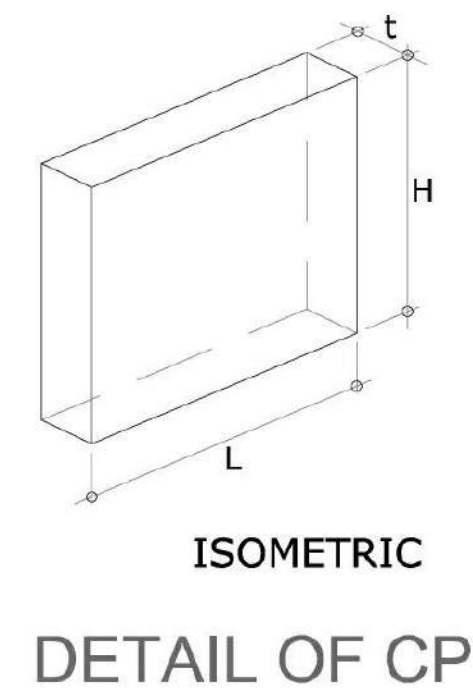
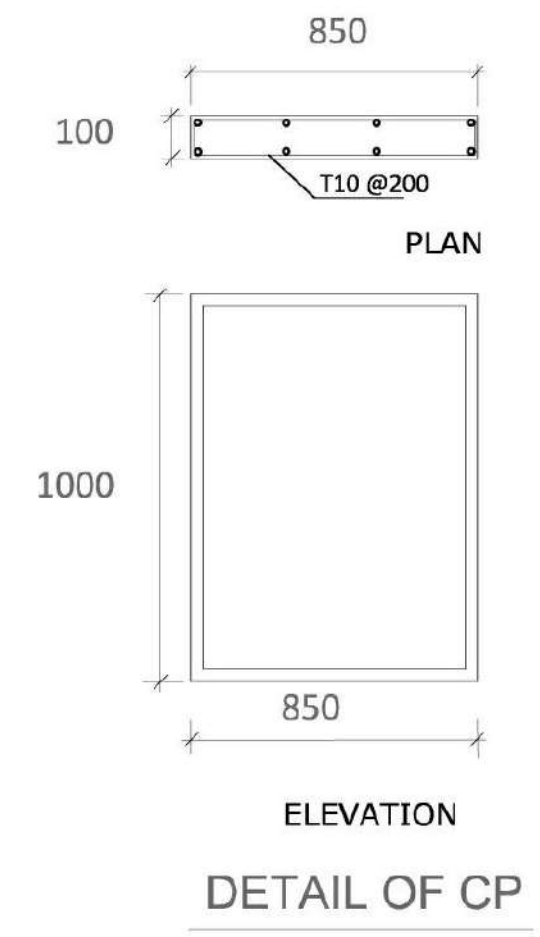
Excavation Side

earth side



SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x850			



SECTION PROPERTIES

H-BEAM	L = 12.00m
SECTION	305x165x54kg/M
MASS (kg/m)	54
DEPTH,h (mm)	310.4
WIDTH,b (mm)	166.9
FLANGE,t _f (mm)	13.7
WEB,t _w (mm)	7.9
MODULUS, Z _x	
PLASTIC (cm ³)	753.6

SECTION B - B

GENERAL NOTES

- THE DRAWING IS THE PROPERTY OF SHAPE ARCHITECTURE PRACTICE - RESIDENTIAL DIVISION. IT MUST NOT BE REPRODUCED OR USED WITHOUT THE CONSULTANTS WRITTEN AUTHORITY.
- THE DRAWING IS TO BE READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS AND ALL RELEVANT DRAWINGS.
- DRAWINGS ARE NOT TO BE SCALED FROM THE DRAWING. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT AND THE SUBCONTRACTORS ARE TO BE RESPONSIBLE FOR THE QUALITY OF THE WORK AND THE SAFETY OF THE WORKERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY OF THE WORK AND THE SAFETY OF THE WORKERS.
- ANY DISCREPANCIES BETWEEN THE DRAWING AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE QUALITY OF THE WORK AND THE SAFETY OF THE WORKERS.

SUB CONSULTANTS :

ARCHITECT OF RECORD :	P.O. BOX 2794, SHARJAH, UAE T: +971 6 544 2257 - 507 6 544 2258
CIVIL CONSULTANT :	P.O. BOX 2794, SHARJAH, UAE T: +971 6 544 2257 - 507 6 544 2258
INTERIOR DESIGN CONSULTANT :	P.O. BOX 2794, SHARJAH, UAE T: +971 6 544 2257 - 507 6 544 2258
STRUCTURAL CONSULTANT :	P.O. BOX 2794, SHARJAH, UAE T: +971 6 544 2257 - 507 6 544 2258

KEY PLAN / AUTHORITY STAMP :

14-12-2023

Structural Modification

تعميد إنشائي

إدارة تراخيص البناء

قطاع الهندسة والبناء

PO BOX 2794

SHARJAH - UAE

MIDDLE EAST DEWATERING

SUB CONTRACTOR :

MIDDLE EAST DEWATERING & FOUNDATION L.L.C

NO.	DESCRIPTION	DATE
01	ISSUE FOR MUNICIPALITY	13-APR-2023

CONSULTANT:

SHAPE

Architecture & Interiors

www.shape.ae

CLIENT :

Abdulla Ali Hamad Obaid Al-Shamsi & Ali Hamad Obaid Al-Shamsi

PROJECT TITLE :

PROPOSED B+G+3 RESIDENTIAL BUILDING

LOCATION : MUWEILAH, SHARJAH, UAE.

ZONE : SHARJAH PLOT NO : 2794-2796

PROJECT ID : 11-001 PLOT AREA : 1050.00 m2

SCALE : 1 : 100 @ A1 SUBMISSION DATE : 13-APR-2023

DESIGNED BY : DRAWN BY : CHECKED BY :

M.H M.H

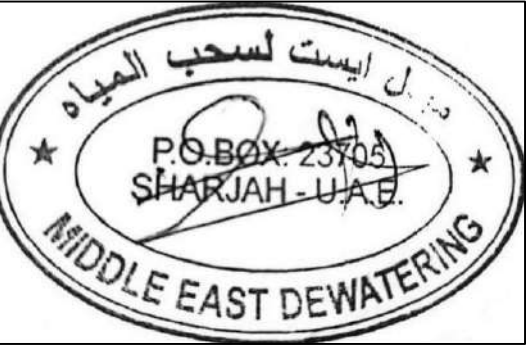
DRAWING TITLE :

SHORING SECTION B

DRAWING NO : REV :

00

- GENERAL NOTES:-**
1. IT IS NOT ALLOWED TO REPRODUCE THIS SHEETS' CONTENTS IN ANY FORM EXCEPT FOR THE PURPOSE FOR WHICH IT IS INTENDED.
 2. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED.
 3. ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION.
 4. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.
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 7. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



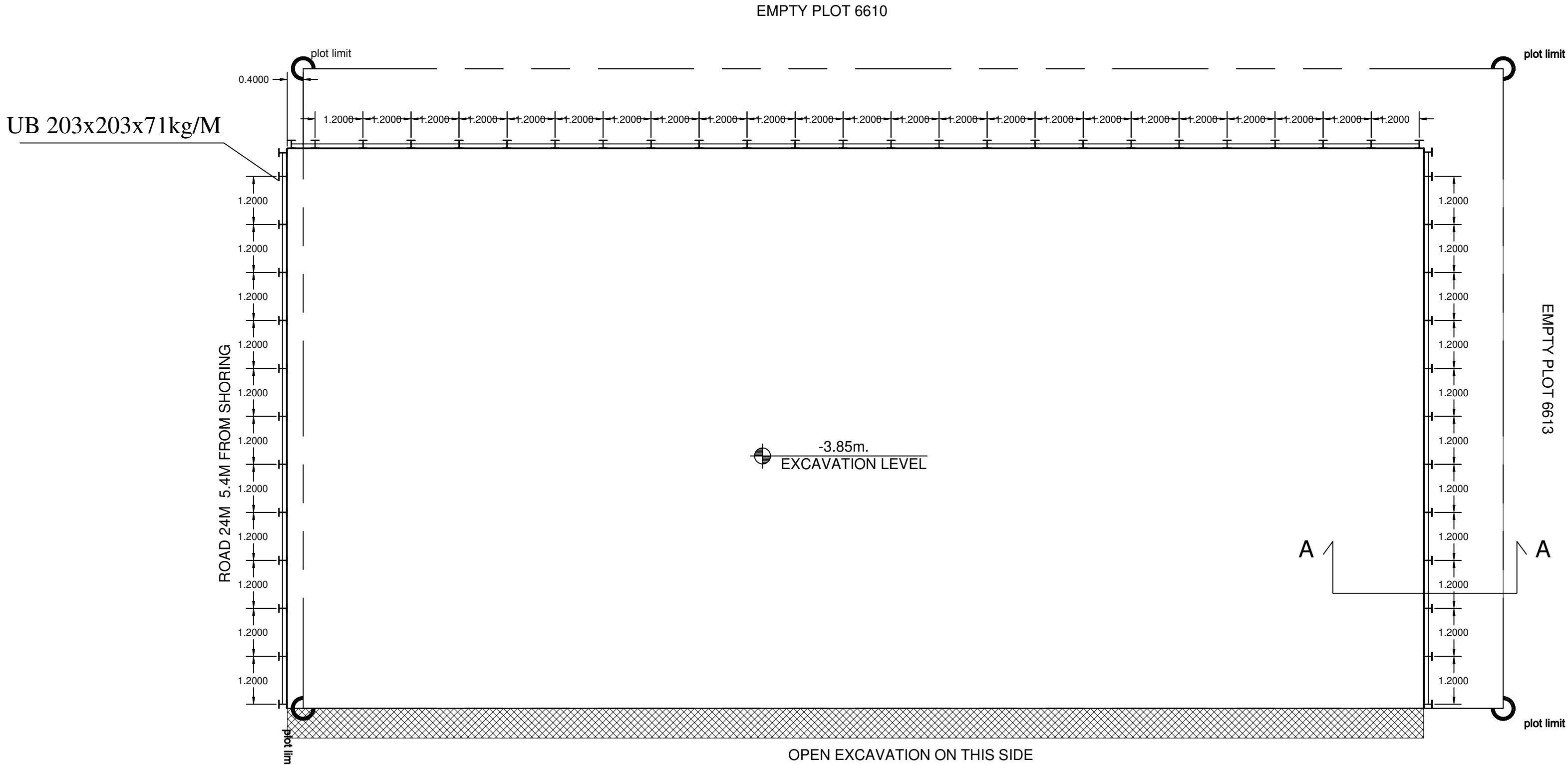
CLIENT NAME:
Mr. Ali Jassim Ali Abdulla Almazrouei .
Mr. Mohammed Ateeq Alzafna Khamis Almarar.

PROPOSED PROJECT:
PROPOSED BUILDING (G+4+50%)

PROJECT LOCATION: GOV NO. 6612
MUWAILIH - COMMERCIAL MULK NO. 233/3197

SHEET CONTENT:
SHORING AND EXCAVATION LAYOUT

HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY REVIT	
STRUCT. DESIGNED BY ENG. MAHMOOD HOUSNI		MUN. CREATED BY REVIT	
ELEC. DESIGNED BY			
SERVICES DESIGNED BY			
Project NUMBER: 4101		DRAWING NUMBER: S-07	
DATE 20/07/2023		SCALE 100	REF. NO.
NO.	DATE	REVISIONS	



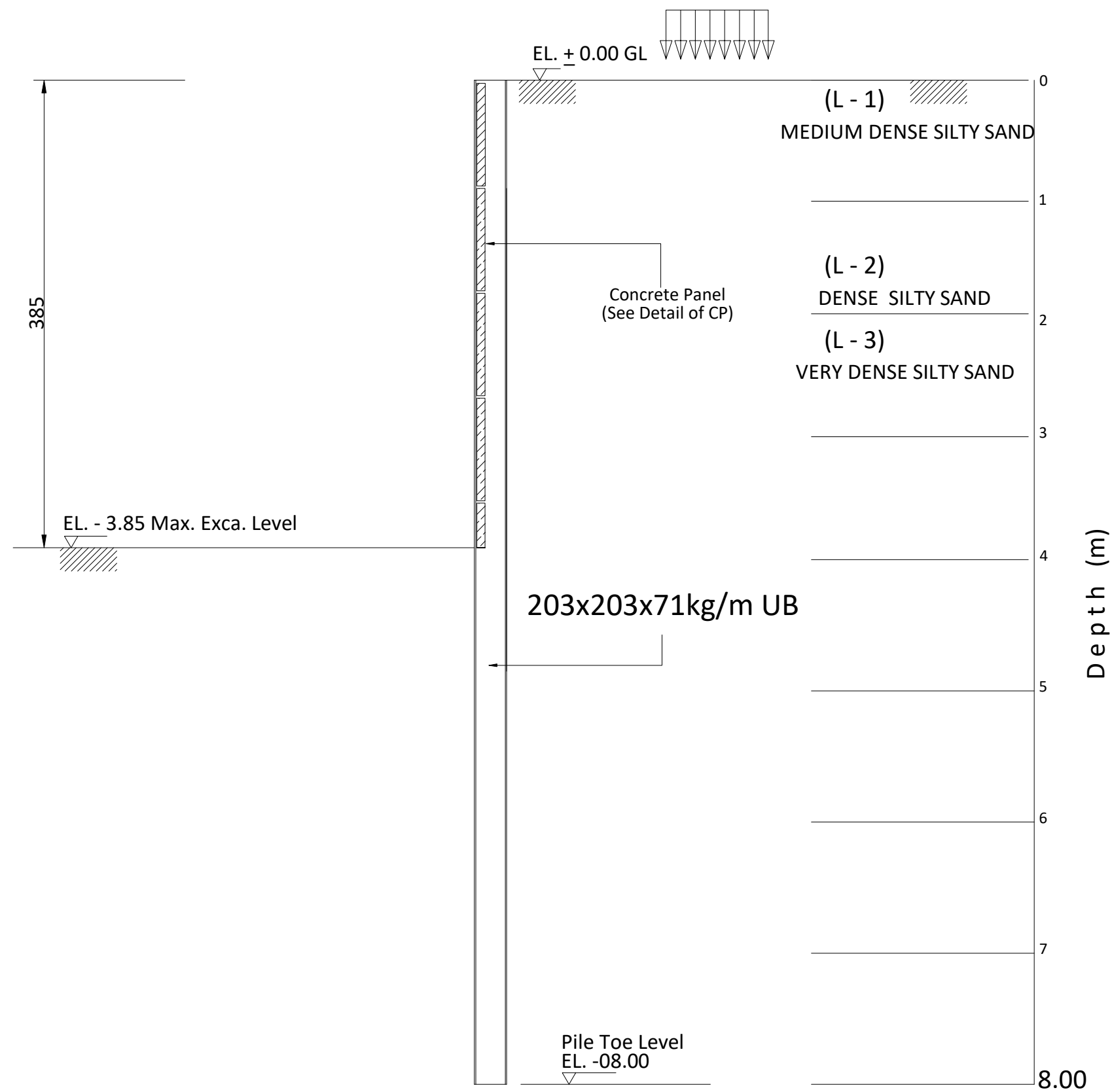
SHORING & EXCAVATION LAYOUT
SCALE : 1-100



Excavation Side

earth side

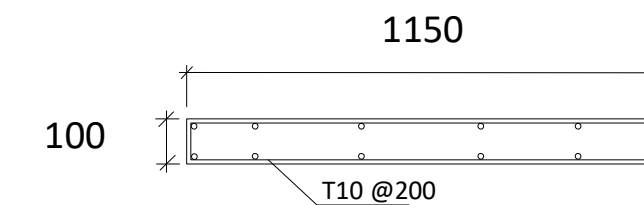
SURCHARGE 5.40M FROM SHORING , $q = 25\text{kpa}$



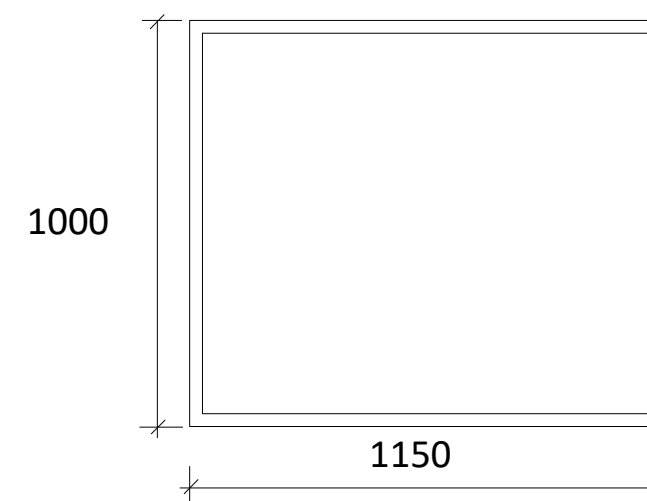
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			

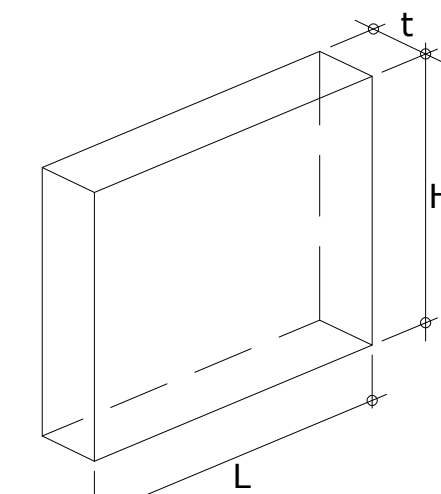


PLAN



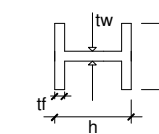
ELEVATION

DETAIL OF CP



ISOMETRIC
DETAIL OF CP

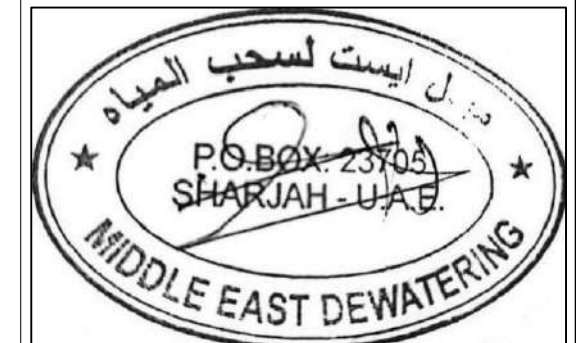
SECTION PROPERTIES



	
H-BEAM L = 08.00m Fy = 275 N/mm ²	
SECTION	203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,tf (mm)	17.3
WEB,tw (mm)	10
MODULUS, Zx PLASTIC (cm ³)	706

GENERAL NOTES:-

1. IT IS NOT ALLOWED TO REPRODUCE THESE SHEETS' CONTENTS IN ANY FORM EXCEPT FOR THE PURPOSE FOR WHICH IT IS INTENDED.
2. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED.
3. ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION.
4. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.
5. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT SEVERAL WRITTEN PERMISSION FROM THE ARCHITECT.
6. ALL WORK IS OUTLINED IN THESE DOCUMENTS. SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES.
7. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



SUB CONTRACTOR :

**MIDDLE EAST DEWATERING
& FOUNDATION L.L.C**



CLIENT NAME:

**Mr. Ali Jassim Ali Abdulla
Almazrouei .**

**Mr. Mohammed Ateeq
Alzafna Khamis Almarar.**

PROPOSED PROJECT:

**PROPOSED BUILDING
(G+4+50%)**

PROJECT LOCATION:

GOV NO. 6612

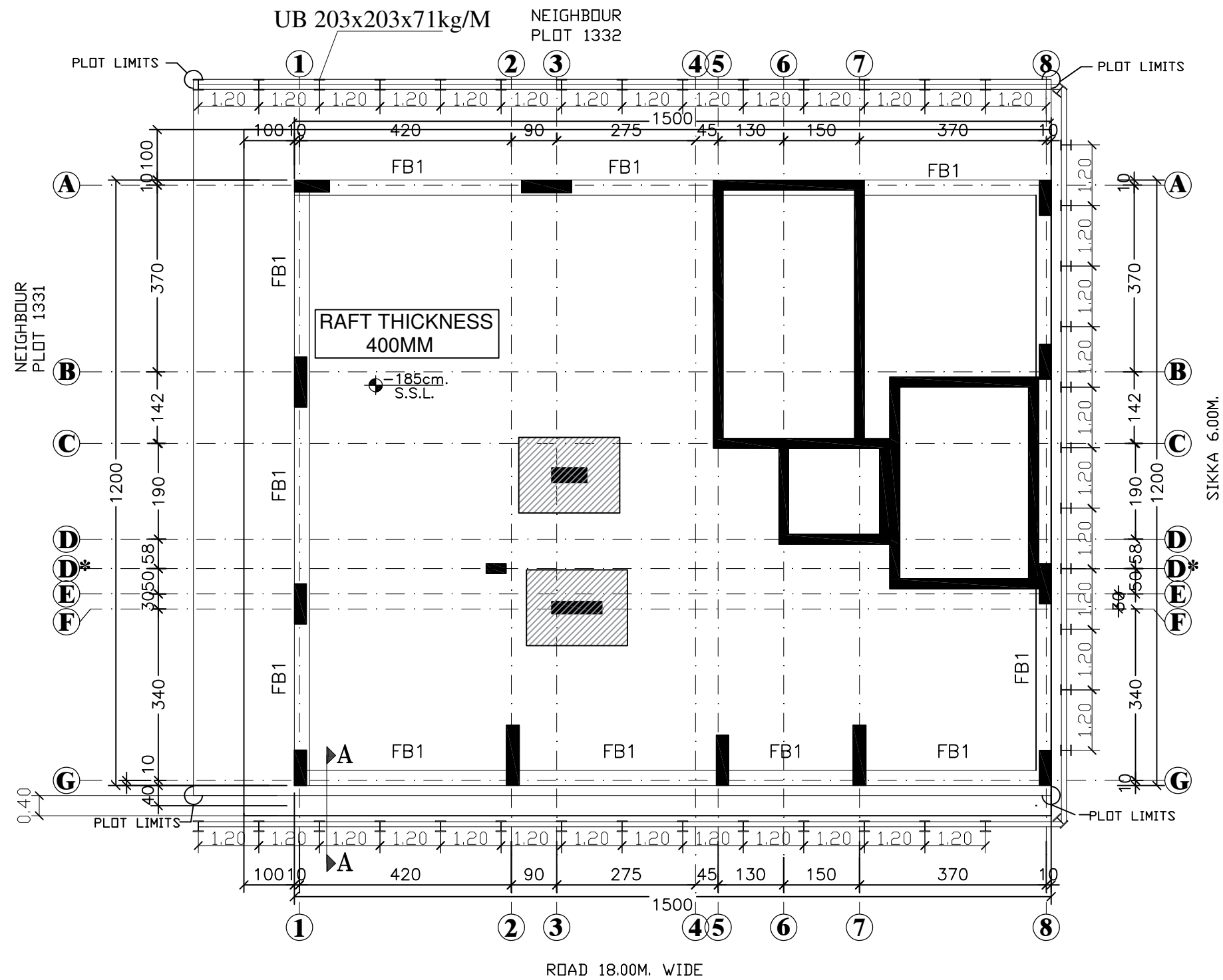
MUWAILIH - COMMERCIAL

MULK NO. 233/3197

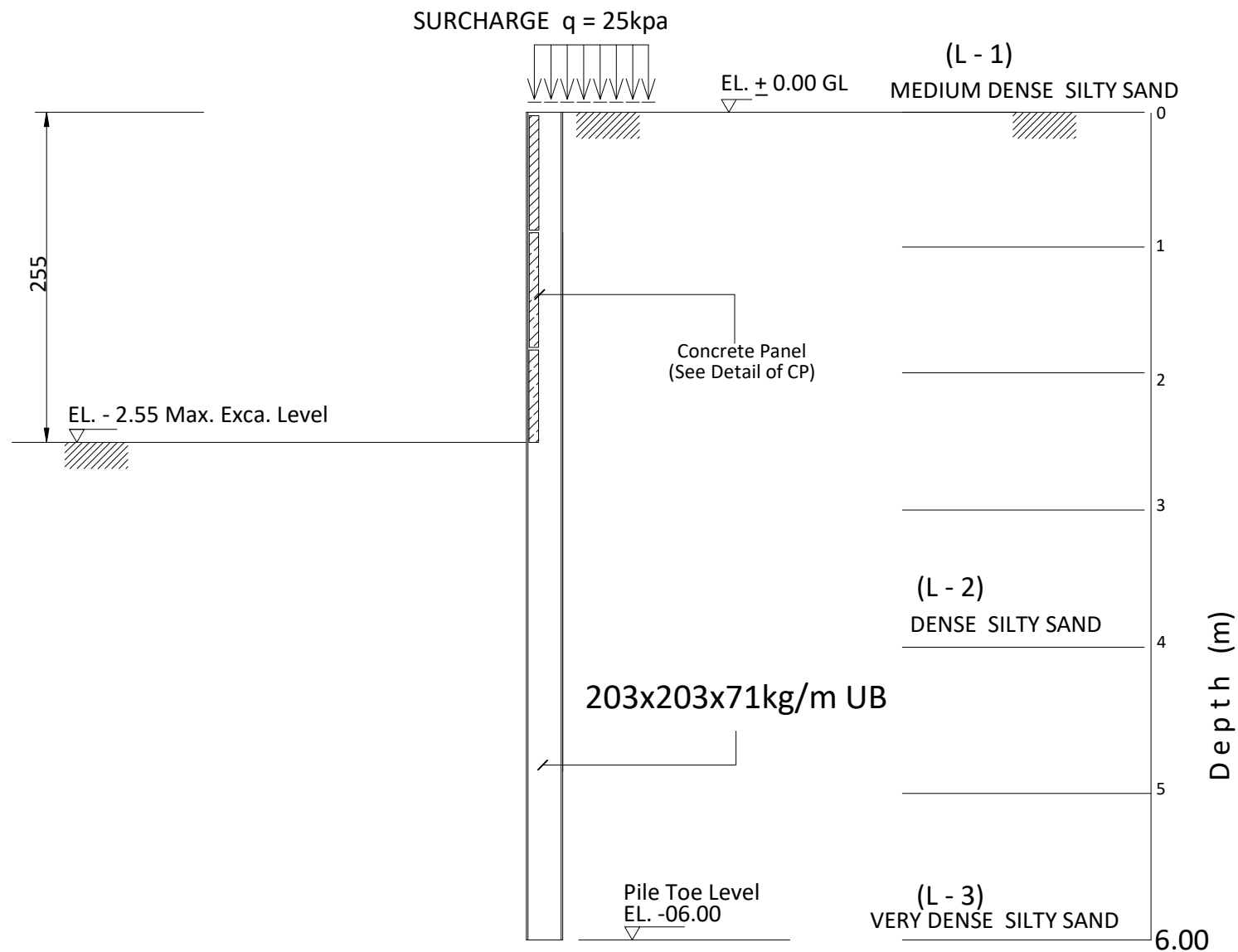
SHEET CONTENT:

SHORING SECTION DETAIL

HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY REVIT	
STRUCT. DESIGNED BY ENG. MAHMOOD HOUSNI			
ELEC. DESIGNED BY		MUN. CREATED BY REVIT	
SERVICES DESIGNED BY			
Project NUMBER: 4101		DRAWING NUMBER: S-07	
DATE 20/07/2023		SCALE 1/00	REF. NO.
NO.		DATE	
R E V I S I O N S			



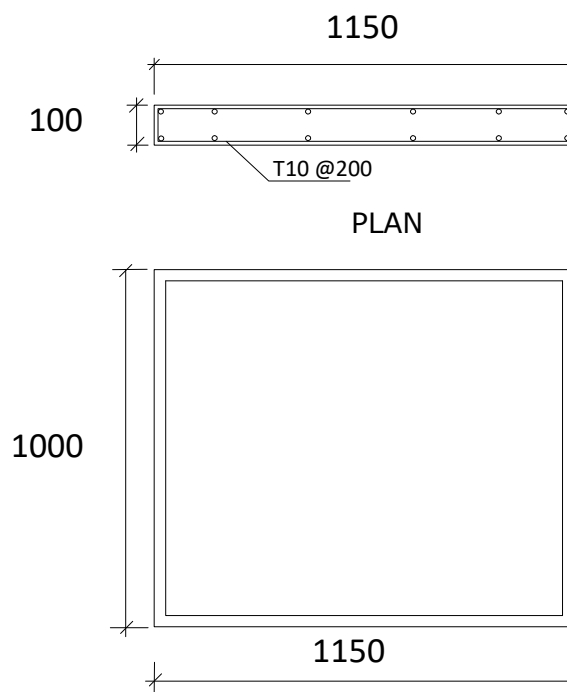
Excavation Side



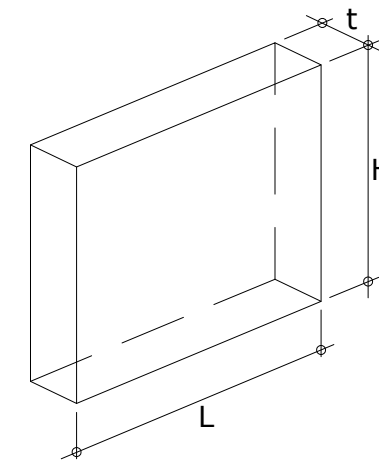
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



DETAIL OF CP



DETAIL OF CP

SECTION PROPERTIES

H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,t _f (mm)	17.3	
WEB,t _w (mm)	10	
MODULUS, Z _x	706	
PLASTIC (cm ³)		



SUB CONTRACTOR
MIDDLE EAST DEWATERING & FOUNDATION L.L.C
PROJECT
PROPOSED (G+3) BUILDING

OWNER
Mr.ABDULLA MOH'D ABDULLA ALMEHYAS

PLOT NO. 1333 3191(MULK) SECTOR AL MUALIH COMMERCIAL

TITLE RAFT LAYOUT & SECTION



للإستشارات الهندسية
ENG. CONSULTANTS

TEL.NO. 06/5668333 FAX NO. 06/5668282
P.O.Box: 40180 SHJ - U.A.E.

DRAWN	SCALE 1:100	JOB NO.
ARCH.ENG KARRAR	DRE NO. S/1	
CIVIL ENG. HIBAH	ELECT. ENG.	DATE



التاريخ : 2023/10/26
المحترمين
السادة / بلدية الشارقة
تحية طيبة و بعد

المشروع مبنى (أرض + ثلاث طوابق) قطعة رقم 1333 - مخطط التجارية - الشارقة

الموضوع : تعمد

بالإشارة إلى الموضوع أعلاه ، نتعمد نحن شركة ميدل إيست ديموليشن و الإنشاءات و الطرق المجاورة للمشروع نتيجة أعمال سند جوارب الحفر و تصميمها و أنها تحت مسؤوليتنا بالكامل .

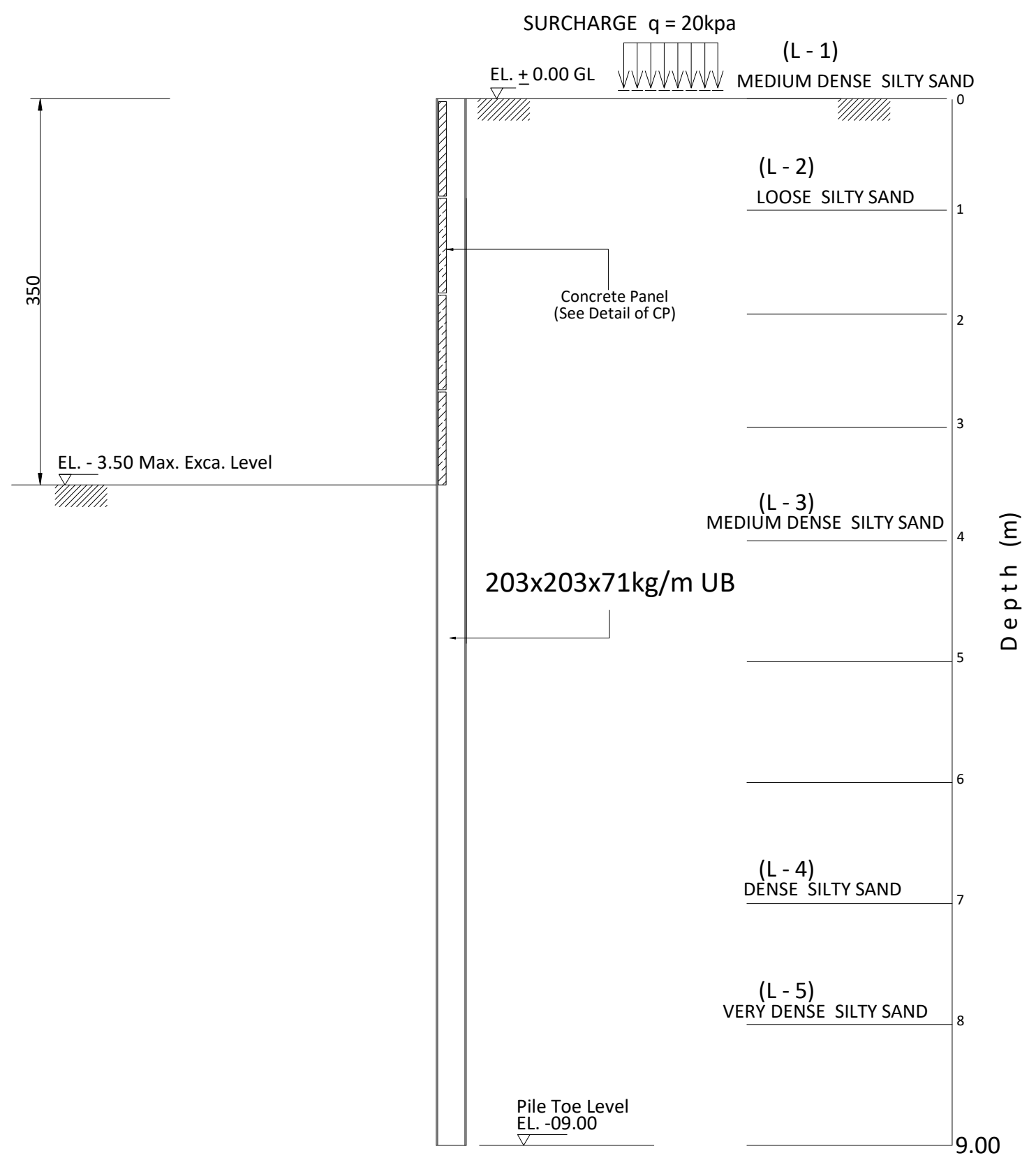
ميدل إيست ديموليشن و الإنشاءات



Tel.: 04-2369962 , Fax: 04- 2369964, Mob.: 050-3093519, 050-6464745
P.O. Box 113488, Dubai / Abu Dhabi - U.A.E., E-mail: coastmiddleeast@gmail.com

Excavation Side

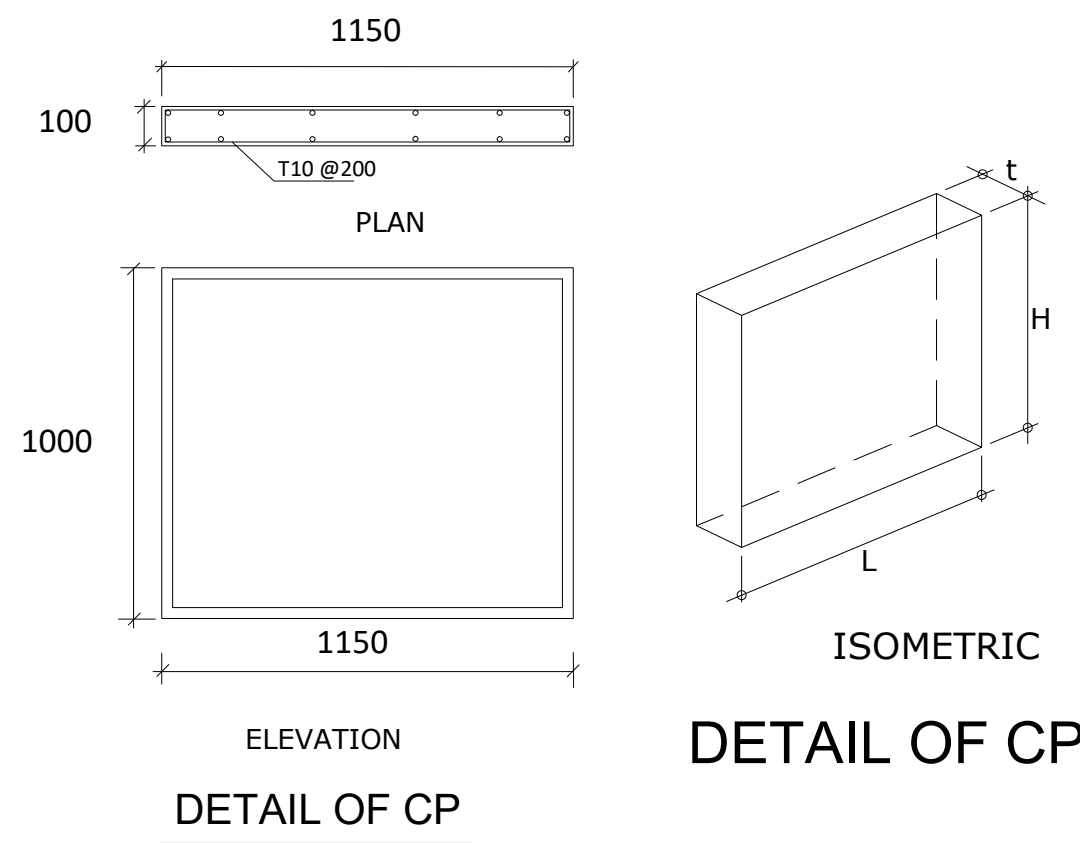
earth side



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



يجب أن تتم أعمال سند جوانب الحفر بطريقة سليمة وأمانة ووفق الاصول الهندسية مع ضمان عدم تأثر استقرار و نبات المنشآت المجاورة , مع تحمل الاستشاري والمقاول المسؤولية عن أية أضرار تلحق بالجوار نتيجة تنفيذ أعمال الحفر وسند جوانب التربة

SECTION PROPERTIES

	H-BEAM L = 09.00m Fy = 275 N/mm^2
SECTION	203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,t _f (mm)	17.3
WEB,t _w (mm)	10
MODULUS, Z _x PLASTIC (cm ³)	706

GENERAL NOTES:-

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SUB CONTRACTOR :
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

إتماء للاستشارات الهندسية
ENMAA ENG. CONSULTANTS LLC
مخططات هندسية فقط
Only Engineering Drawing

إتماء للاستشارات الهندسية
ENMAA ENGINEERING CONSULTANTS
+971 56 230 98 97 +971 6 52 38 228 +971 6 56 35 007
info@enmaaengcon.com www.enmaaengcon.com

CLIENT
MOHAMED RASHED MUBARAK SALEM ALKETBI

PROPOSED PROJECT
PROPOSED BUILDING(G+3)

PLOT LOCATION 6705
SECTOR : AL MUWAILAH

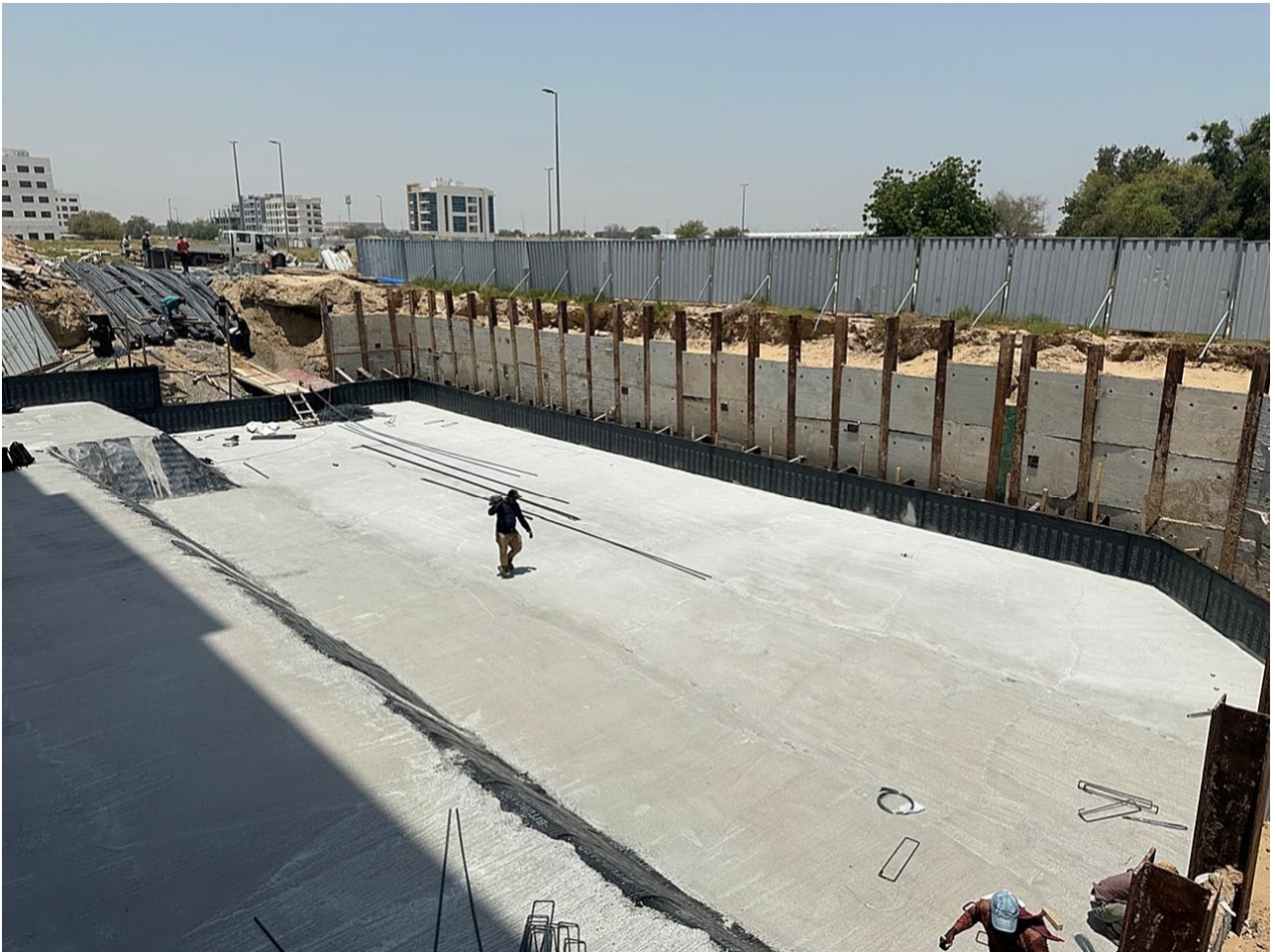
SHEET CONTENT
SHORING SECTION

HEAD OF SEC:		
ARCH.DESIGNED BY: ENG.	DRAW BY: ENG.	T.P.DRAW BY: ENG.
STRUCT. DESIGN BY: ENG. M.H	DRAW BY: ENG. M.H	MUN.DRAW BY: ENG.
ELECTRICAL DESIGN BY: ENG.	DRAW BY: ENG.	
SERVICES DESIGN BY: ENG.	DRAW BY: ENG.	

JOB NO:1191		DRWG. NO : S-06
DATE	SCALE	REF. NO.
NO. DATE REVISIONS		

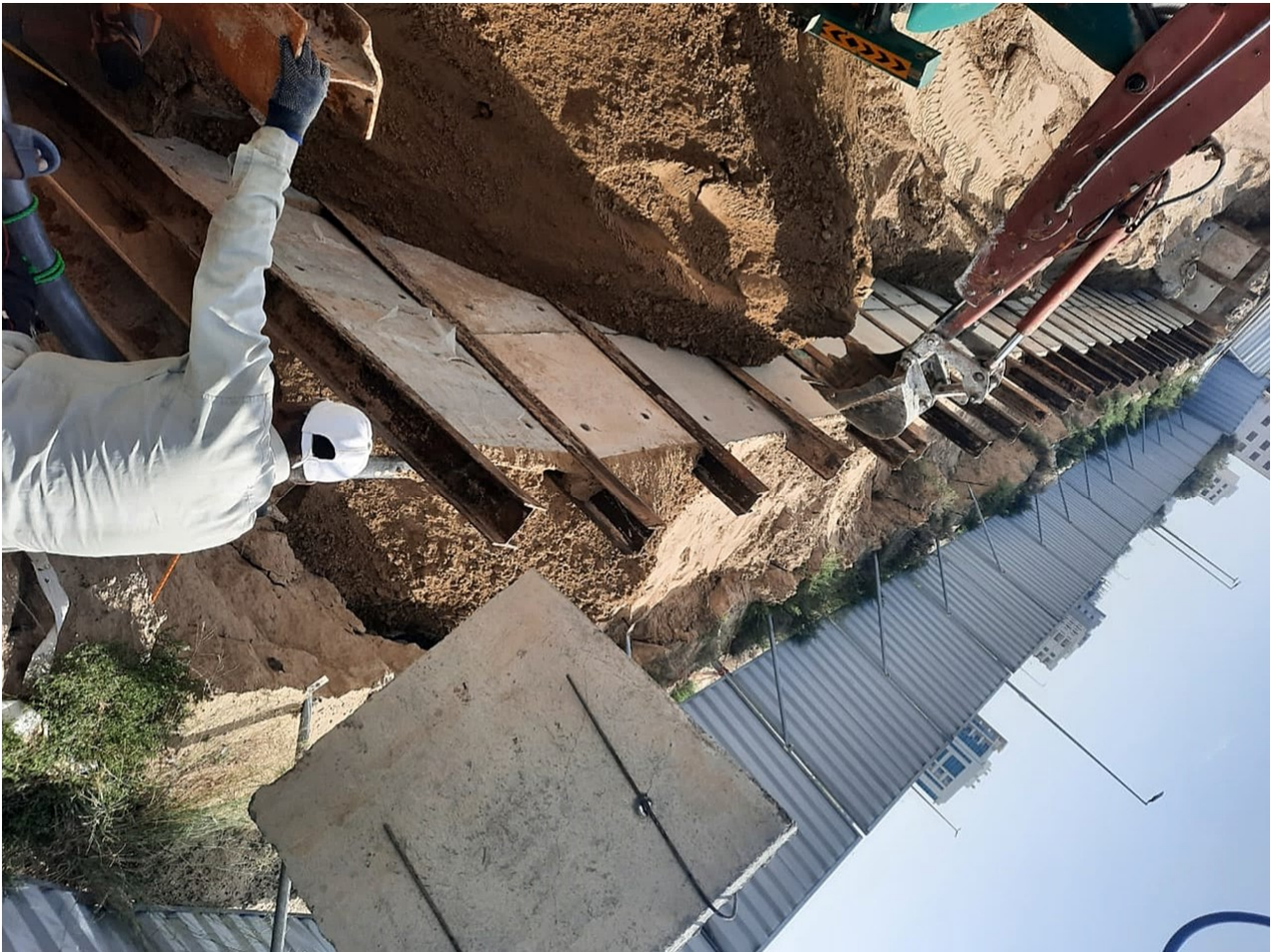












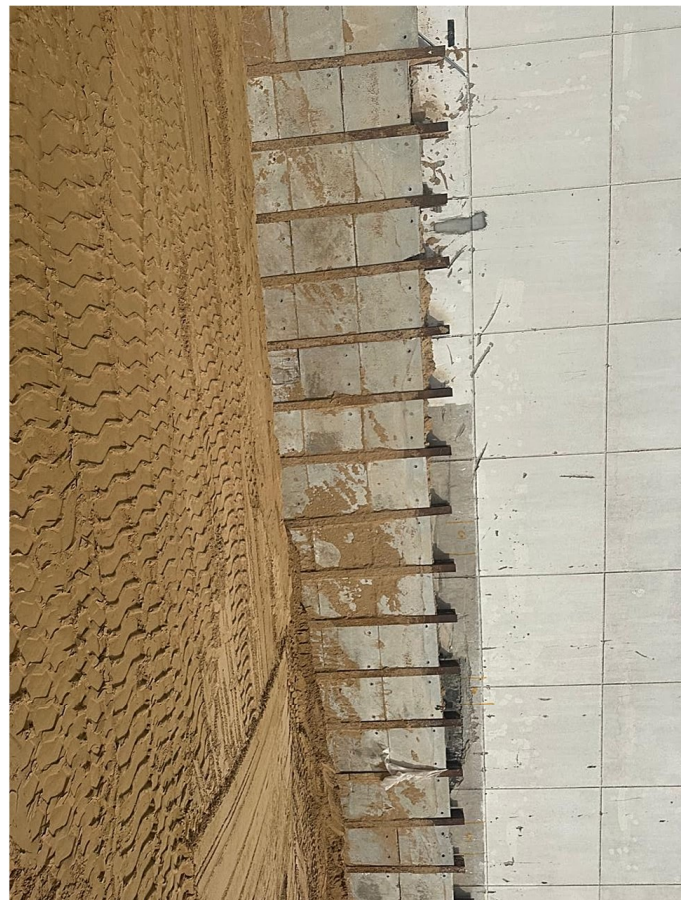




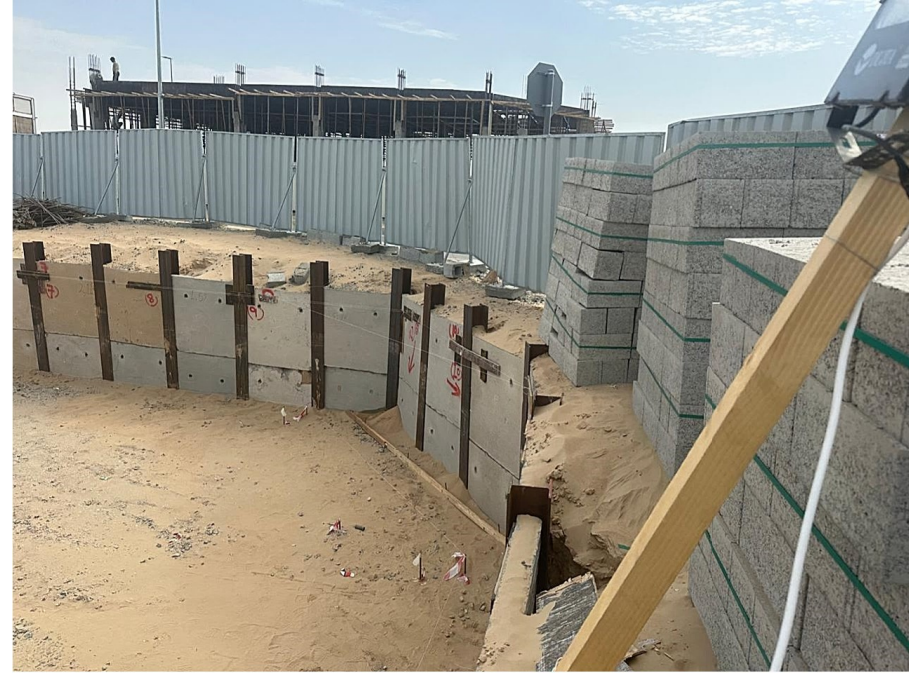




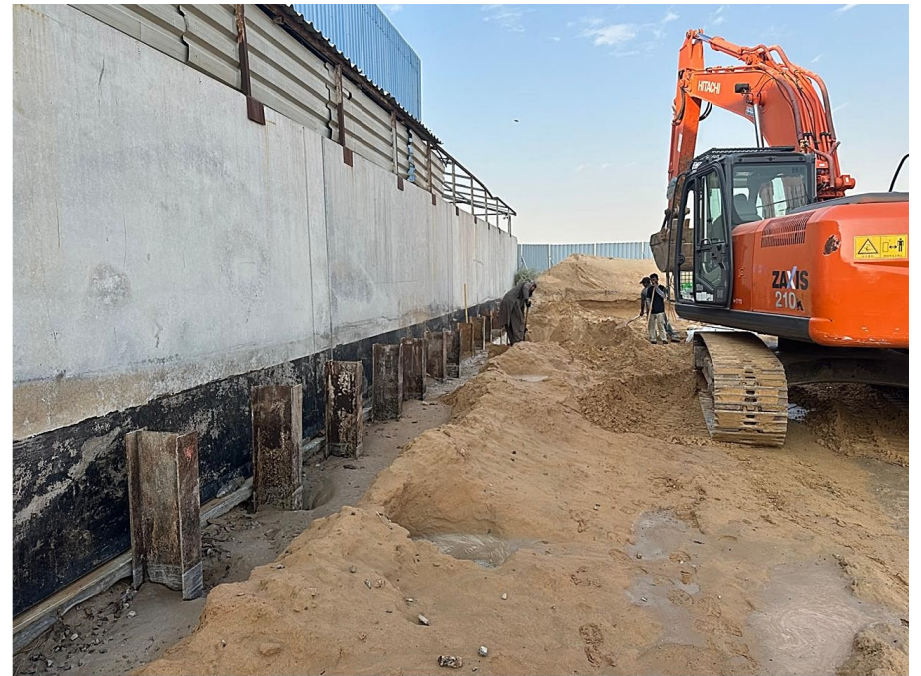






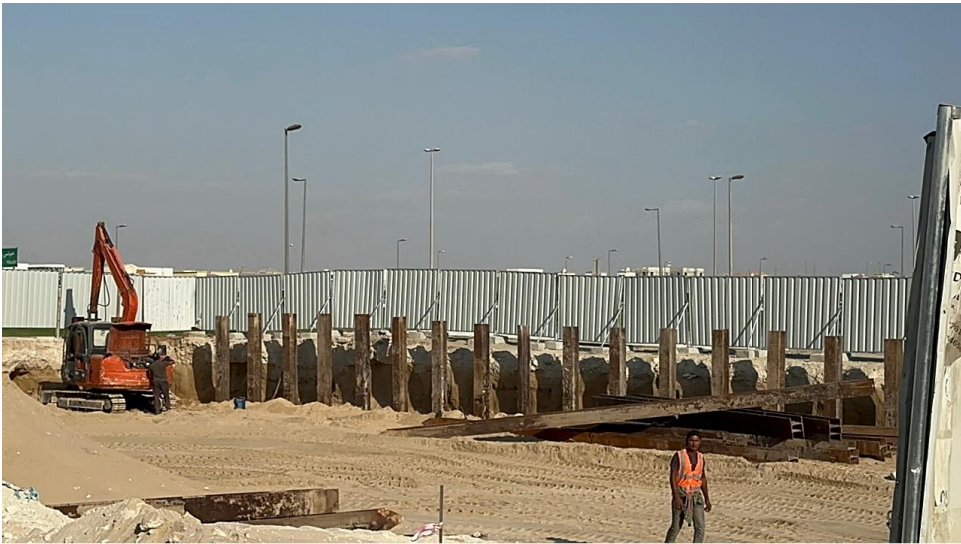




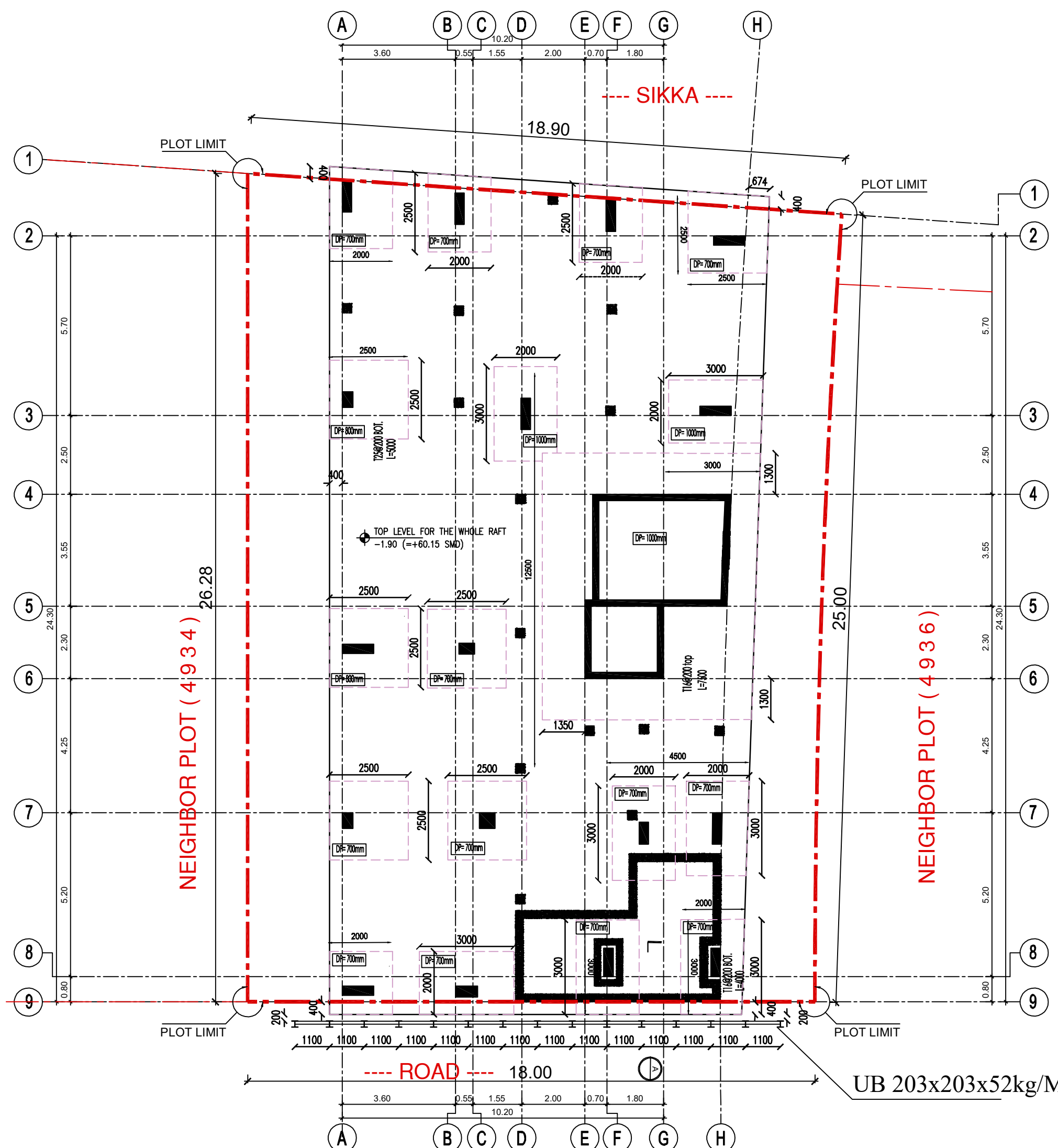












UNITED ARAB EMIRATES
Government of Sharjah
Roads & Transport Authority

حكومة الشارقة
إدارة الطرق والمواصلات

المراجع: RN034655
التاريخ: 28/03/2023

شهادة عدم مخالفة

تدعيم جدران الجسر

الرقم	الوصف	الرقم	الوصف
1	تدعيم جدران الجسر	1	تدعيم جدران الجسر
2	تدعيم جدران الجسر	2	تدعيم جدران الجسر
3	تدعيم جدران الجسر	3	تدعيم جدران الجسر
4	تدعيم جدران الجسر	4	تدعيم جدران الجسر
5	تدعيم جدران الجسر	5	تدعيم جدران الجسر
6	تدعيم جدران الجسر	6	تدعيم جدران الجسر
7	تدعيم جدران الجسر	7	تدعيم جدران الجسر
8	تدعيم جدران الجسر	8	تدعيم جدران الجسر
9	تدعيم جدران الجسر	9	تدعيم جدران الجسر

هيئة الطرق والمواصلات

شركة الطرق والمواصلات

شركة الطرق والمواصلات

قطاع الهندسة والمباني
إدارة تراخيص البناء
13/04/2023
تصديق المهندس
التوقيع

LOCAL AUTHORITY APPROVAL:

GENERAL NOTES:

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- DIMENSIONS MUST NOT BE SCALED FROM THIS DRAWING.
- ALL DIMENSIONS TO BE CHECKED ON SITE AND DISCREPANCIES TO BE REFERRED TO THIS OFFICE FOR DECISION.
- IN CARRYING OUT WORKS RELATING TO THIS DRAWING, THE CONTRACTOR IS TO BE RESPONSIBLE FOR COMPLYING WITH THE FULL REQUIREMENTS OF ALL RELATED LEGISLATION INCLUDING LOCAL STATUTORY AUTHORITY, SERVICES REGULATIONS AND ALL SAFETY ACTS (LATEST EDITION).
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT, ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND ALL RELEVANT SECTIONS OF THE SPECIFICATIONS.



SUB CONTRACTOR:
MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

REV. No	DATE	DESCRIPTION	CHECKED

CLIENT:
M/S AL MIDFA
INVESTMENTS GROUP LLC

PROJECT NAME:
PROPOSED RESIDENCIAL BUILDING
GROUND + 3 TYPICAL + ROOF
PLOT NO : 4935
TILAL / AL SUYOH - SHARJAH

ARCHITECT:

Atrium
ARCHITECTURAL & ENGINEERING CONSULTANCY

P O BOX 78308
DUBAI
UNITED ARAB EMIRATES
E-mail : admin@atriumuae.com

TEL : +971 (0) 4 5540100 FAX: +971 (0) 4 4310470
Web site : www.atriumuae.com

DRAWING NAME:
SHORING LAYOUT

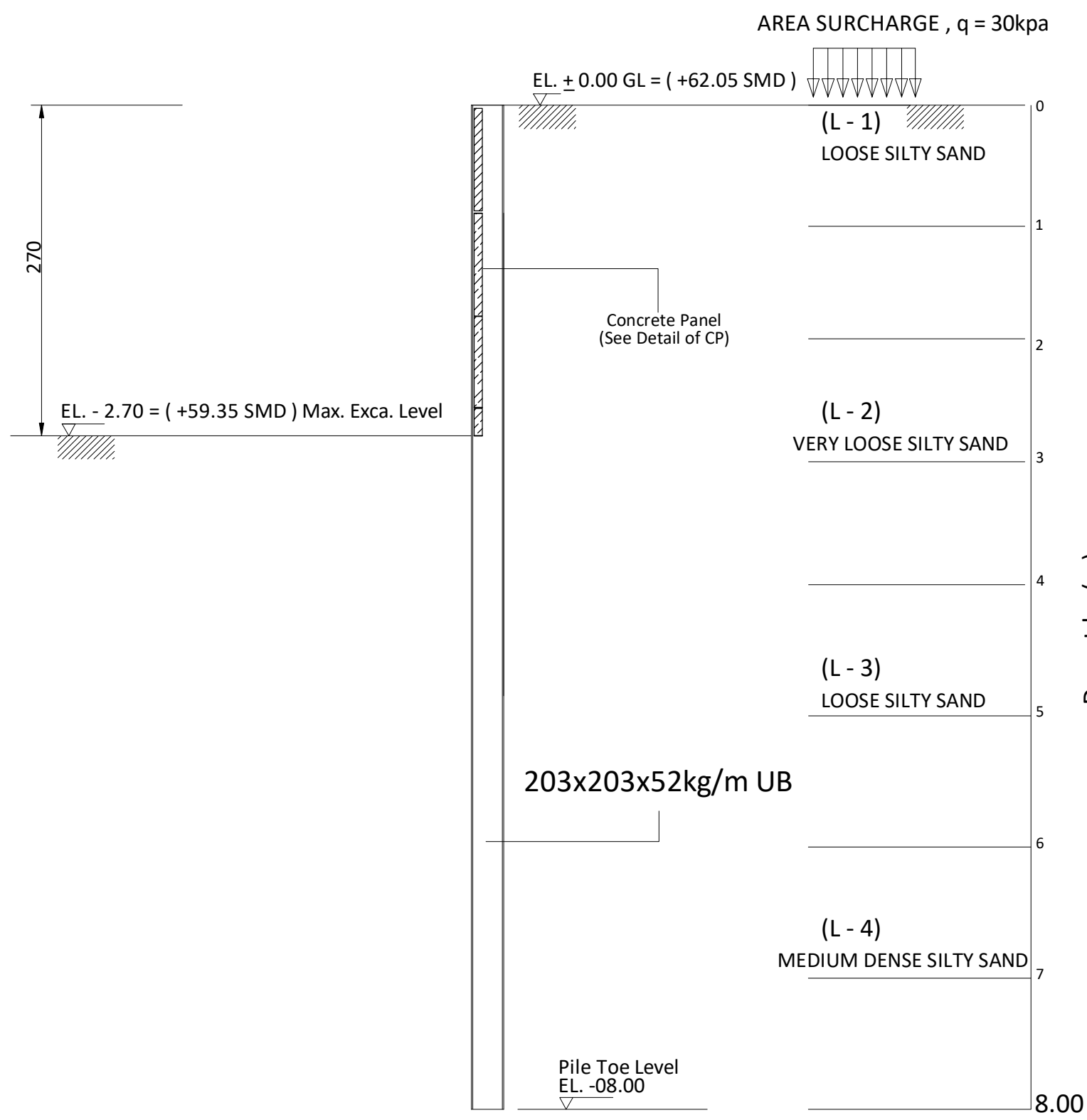
AUTHORIZED BY	M.BALAAWI	DATE	DATE
DESIGNED BY	M.SH. & O.BA	STAGE	FEB-2023
DRAWN BY	A.R.	SHEET SIZE	A2
CHECKED BY	M.SH. & O.BA	SCALE	1:100
DIVISION	SUB.GROUP	SHEET NUMBER	PROJECT No.
5	400	702	

ISSUED FOR:

Atrium
ARCHITECTURAL & ENGINEERING CONSULTANCY
الهندسة والاستشارات الهندسية والمعمارية
M. Balawi

Excavation Side

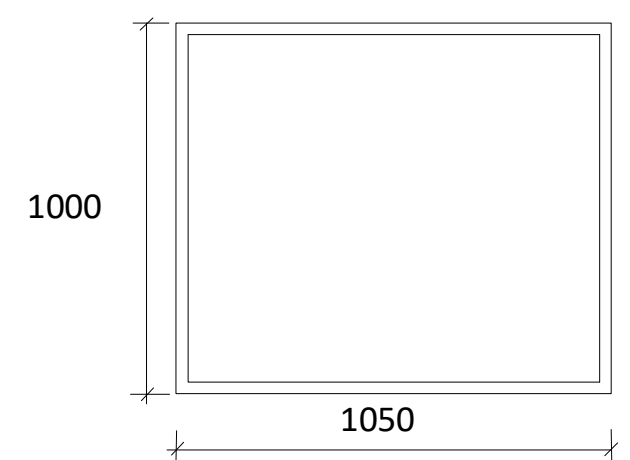
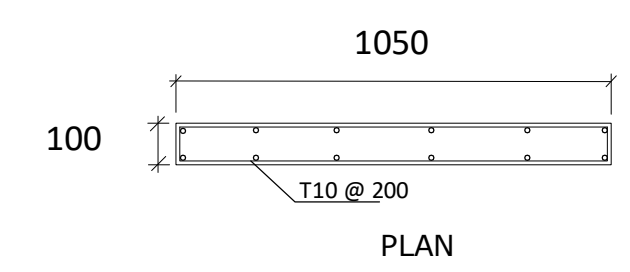
earth side



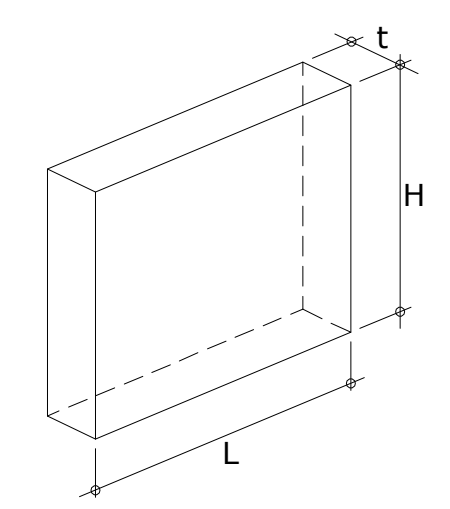
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1050		



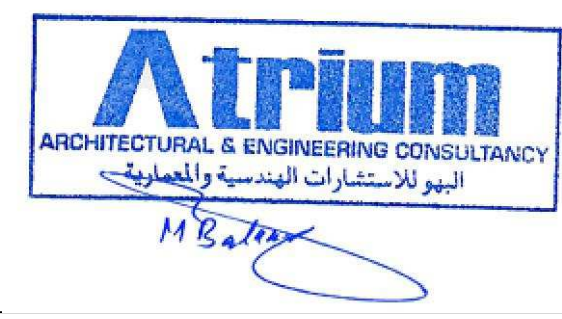
DETAIL OF CP



DETAIL OF CP

SECTION PROPERTIES

H-BEAM	L = 08.00m
SECTION	203x203x52kg/M
MASS (kg/m)	52
DEPTH,h (mm)	206.2
WIDTH,b (mm)	204.3
FLANGE,t _f (mm)	12.5
WEB,t _w (mm)	7.9
MODULUS, Z _x	
PLASTIC (cm ³)	510



المشاور الهندسية والبناء
إدارة تخطيط البناء
13/04/2023
تعديل إنشائي
التوقيع

LOCAL AUTHORITY APPROVAL:

GENERAL NOTES:
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2. ALL DIMENSIONS ARE IN MM AND LEVELS IN MM UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE VERIFIED ON SITE AND APPROVED BY THE ENGINEER.
3. DIMENSIONS MUST NOT BE SCALED FROM THIS DRAWING.
4. ALL DIMENSIONS TO BE CHECKED ON SITE AND DISCREPANCIES TO BE REFERRED TO THIS OFFICE FOR DECISION.
5. IN CARRYING OUT WORKS RELATING TO THIS DRAWING, THE CONTRACTOR IS TO BE RESPONSIBLE FOR COMPLYING WITH THE FULL REQUIREMENTS OF ALL RELATED LEGISLATION INCLUDING LOCAL STATUTORY AUTHORITY, SERVICES REGULATIONS AND ALL SAFETY ACTS (LATEST EDITION).
6. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT, ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND ALL RELEVANT SECTIONS OF THE SPECIFICATIONS.

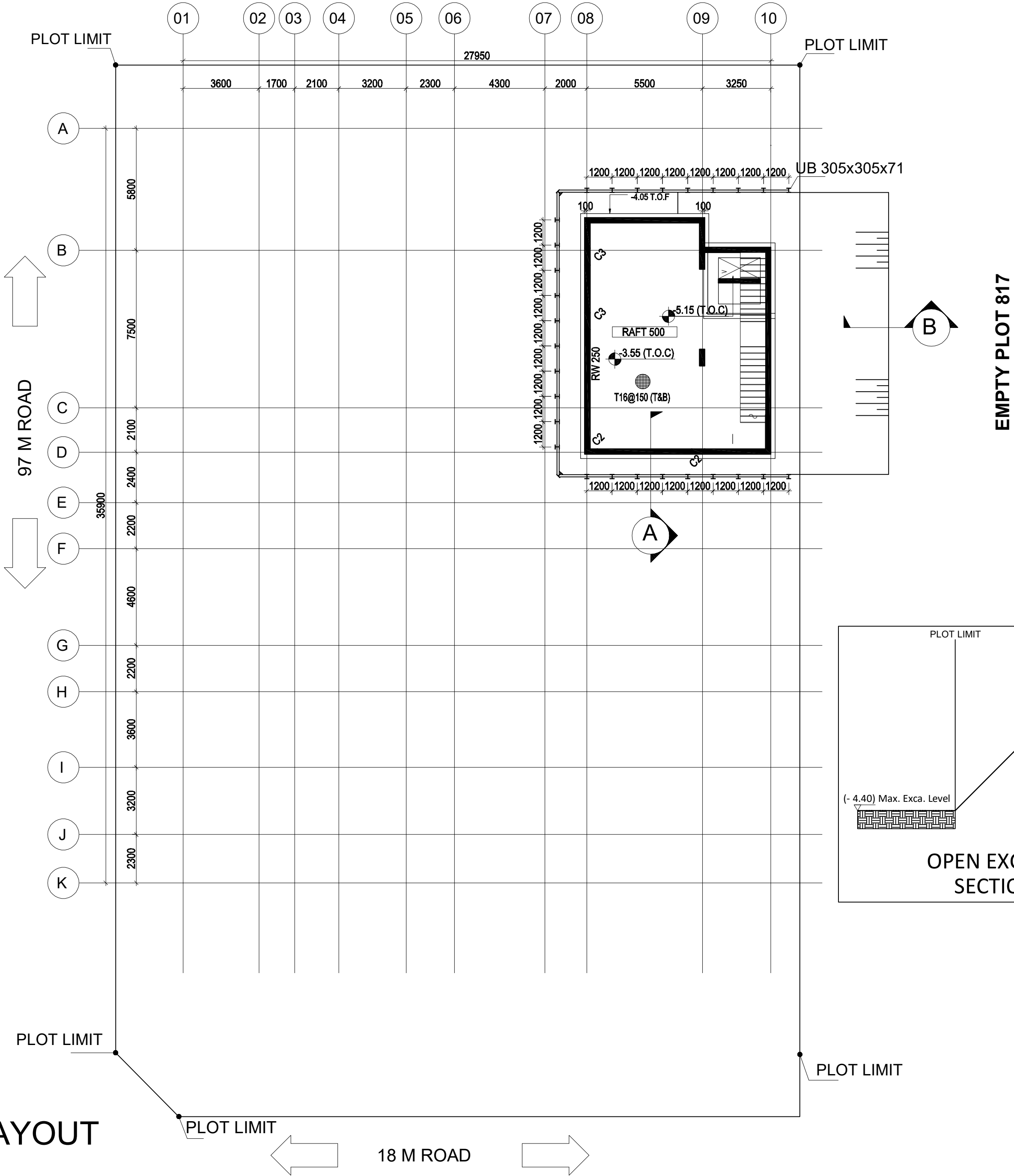
KEY PLAN

شركة
PO BOX 4935
SHARJAH - U.A.E.
MIDDLE EAST DEWATERING

SUB CONTRACTOR :
MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

REV. No	DATE	DESCRIPTION	CHECKED
CLIENT: M/S AL MIDFA INVESTMENTS GROUP LLC			
PROJECT NAME: PROPOSED RESIDENCIAL BUILDING GROUND + 3 TYPICAL + ROOF PLOT NO : 4935 TILAL / AL SUYOH - SHARJAH			
ARCHITECT: AMTAR ARCHITECTURAL & ENGINEERING CONSULTANCY P O BOX 78308 DUBAI UNITED ARAB EMIRATES TEL : +971 (0) 4 5540100 FAX: +971 (0) 4 4310470 Web site : www.amtaruae.com E-mail : admin@amtaruae.com			
DRAWING NAME: SHORING SECTION			
AUTHORIZED BY		DATE	DATE FEB-2023
DESIGNED BY	M.H	STAGE	
DRAWN BY	M.H	SHEET SIZE	A2
CHECKED BY	M.H	SCALE	1:100
1 UNIT = 10 mm WHEN PRINTED AT A2 SHEET SIZE			
DIVISION	SUB.GROUP	SHEET NUMBER	PROJECT No.
			702

EMPTY PLOT 4



SHORING LAYOUT

OPEN EXCAVATION
SECTION B - B

GENERAL NOTES:

THIS DRAWING IS THE COPYRIGHT OF SHAPE ARCHITECTURE PRACTICE & RESEARCH, SHARJAH AND MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE CONSULTANT'S WRITTEN AUTHORITY.

01- ALL DIMENSIONS AND LEVELS ARE IN METERS. DIMENSIONS ARE NOT TO BE SCALED FROM THIS DRAWING. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACTOR AND THEIR SUBCONTRACTORS ARE TO VERIFY ALL RELEVANT CODES OF PRACTICES AND VERIFY DIMENSIONS ON SITE BEFORE PREPARING SHOP DRAWINGS FOR AUTHORITY REQUIREMENTS AND BEFORE EXECUTING THE WORKS.

02- ANY DISCREPANCIES, EITHER BETWEEN WRITTEN DIMENSIONS AND SITE DIMENSIONS OR BETWEEN THIS DRAWING AND OTHER CONSULTANTS OR SUPPLIERS DRAWINGS, SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT BEFORE EXECUTING THE WORKS.

03- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, MEP, STRUCTURAL DRAWINGS & CONTRACT DOCUMENTS.

04- THE FINISH LEVEL SHALL REFER TO GATE LEVEL, AS PER MUNICIPALITY AUTHORITY APPROVAL. CONTRACTOR TO AGREE WITH ENGINEER ON SITE AND ESTABLISH PERMANENT BENCHMARK.

05- ALL STEPS AND RETAINING WALLS TO BE BUILT OUT OF SOLID BLOCK FINISHES AS SPECIFIED ON DRAWINGS OTHERWISE EPOXY PAINT FINISH OR GUNNET SAND PLASTER FINISHES AS TO COMPLY WITH DETAILS IN SECTIONAL WALL SECTIONS.

06- ALL EXTERNAL BLOCKWORK TO BE 200-200 MM THERMAL OR AS PER DRAWINGS WITH WITHOUT CLADDING AS PER ELEVATIONS.

07- ALL INTERNAL, HOLLOW CORE CONCRETE BLOCKWORK, TO BE FULL HEIGHT UNLESS SPECIFIED.

08- ALLOW FOR WOODEN FRAMING FOR DOOR WINDOW OTHERWISE AT INTERIOR DESIGNER DISCRETION.

09- ALLOW FOR UNITS, BEAMS/BALK HEADS UNLESS OTHERWISE SHOWN IN SECTIONS.

10- ALL SANITARY FITTINGS/FINISHES LOCATIONS ARE INDICATED FOR USE. EXACT DIMENSIONS, SIZE, LOCATION ETC TO COMPLY WITH ID REQUIREMENT AND TO ENGINEERS APPROVAL ON SITE.

11- UNLESS INDICATED IN SECTIONAL WALLWORKS/FREE STANDING WALLS, SHOWER ENCLOSURES, SLIDING FOLDING DOORS & KITCHEN CABINETS ETC AS PER INTERIOR DESIGN DETAILS OR BY NOMINATED SUB CONTRACTOR.

12- ALL BRACKETS TO BE COORDINATED WITH PRECAST CONCRETE SLABS WITH USE OF BRACKETS TERMINATION WITH MEP SERVICE TO BE COORDINATED BY MAIN CONTRACTOR.

13- ALL BRACKETS ABOVE GROUND HEIGHT TO BE BUILT AS 20MM THK RCC OTHERWISE 100 MM THK.

14- ALL ALUMINUM POWER COATED PROFILES TO BE SLIM & HEAVY DUTY SECTIONS FROM GULF EXTRUSIONS OR AS APPROVED BY THE ENGINEER.

15- ALL GLASS UNIT COMPOSES OF 6MM TINTED GLASS- 12 MM GAP - 6MM CLEAR GLASS TO COMPLY WITH U-VALUE REQUIREMENT.

16- THE PATCH FITTINGS FOR BOTH DOOR, WINDOW & PARTITIONS SHALL COMPLY TO PERFORMANCE REQUIREMENT AS PER THE TYPE, SIZE & LOCATION (SLIDING/FOLDING ETC).

17- ALLOW GARD BLASTING PATTERN FOR ORCARE GLASS & STAINLESS STEEL PATCH FITTINGS CLEAR FINISHES.

18- ALL WOODEN FRAMES TO BE TREAT WOOD OR HARD WOOD TO ENGINEERS APPROVAL, AS PER JOBBY DETAILS INCLUDING ARCHITRAVE AT INTERIOR DESIGNER DISCRETION.

19- ALL SOLID CORE & SHIM BLOCKS TO BE FINISHED WITH NECESSARY STYLES, JAILS, HARD WOOD LIPPING & FINISHED WITH VENEER AT INTERIOR DESIGNER DISCRETION.

20- INTERIOR TO INCLUDE HEAVY DUTY PINNED, TONER HOLD DOOR STOPPERS/HANDLES WITH LOCKS TO COMPLY AS PER DOOR WEIGHT/FINISH & TYPE AT INTERIOR DESIGNER DISCRETION.

SUB CONSULTANTS :		
	AR	ARCHITECT OF RECORD :
	C	CIVIL CONSULTANT:
	I	INTERIOR DESIGN CONSULTANT:
	S	STRUCTURAL CONSULTANT :
	MEP	MEP CONSULTANT :



NO.	DESCRIPTION	REVISION HISTORY	DATE
-----	-------------	------------------	------

SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



TEAM BUSINESS CENTER, SUITE 202, SHARJAH UNITED ARAB EMIRATES
P.O. BOX 23603, T. 07-2628000, F. 07-2628001, E. INFO@SHAPE.AE

CLIENT :
Mr. Ismail Haji Ahmed Alsarkal

PROJECT TITLE :
PROPOSED VILLA (B+G+1) + SERVICE BLOCK (G) (GUARD R. + CAR PARKING + PUMP R. + STORE) + SWIMMING POOL + BOUNDARY WALL

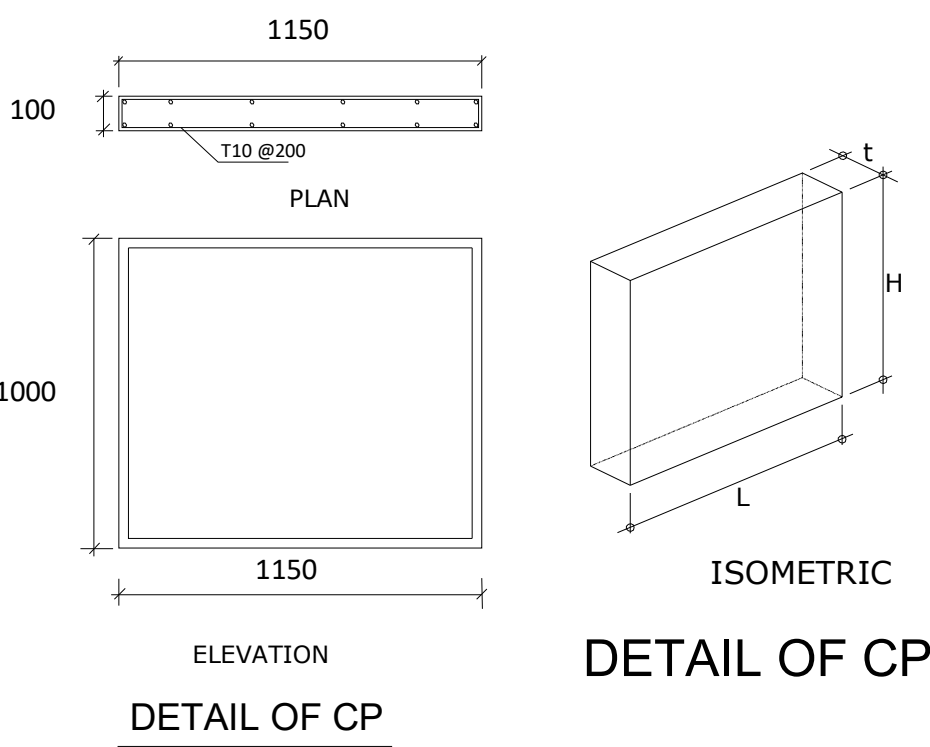
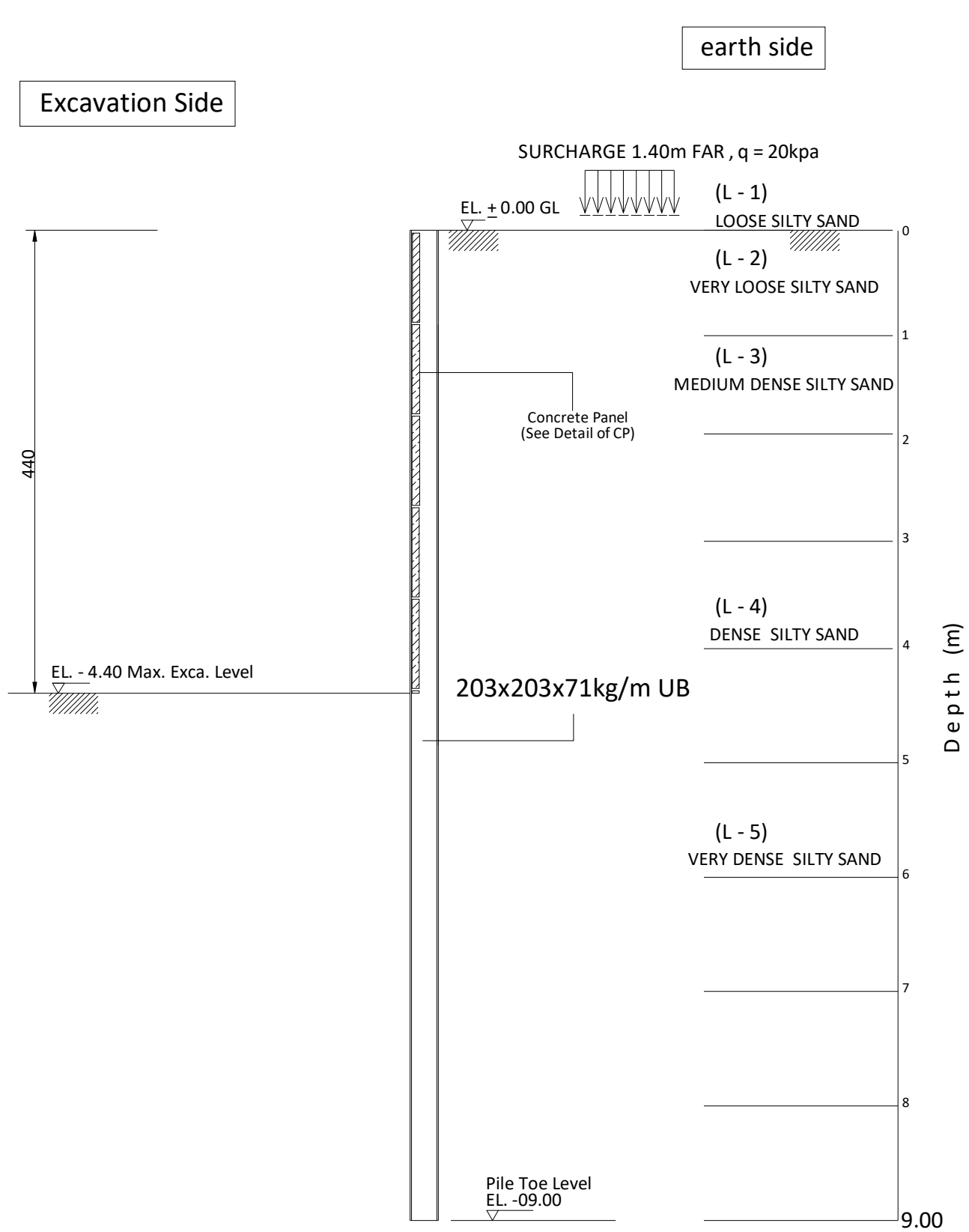
LOCATION :	SHARJAH - AL SIYOUH	
ZONE :	AL MOWRRADA 5	PLOT NO : 816
PROJECT ID :	25-046	PLOT AREA : 1625
SCALE :	@ A2	SUBMISSION DATE : 01/08/2023
DESIGNED BY :	DRAWN BY :	CHECKED BY :
Designer	Author	Checker

DRAWING TITLE :
SHORING LAYOUT

DRAWING NO :	REV :
--------------	-------

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



SECTION PROPERTIES

H-BEAM	L = 09.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	

SECTION A - A

GENERAL NOTES:

THIS DRAWING IS THE COPYRIGHT OF SHAPE ARCHITECTURE PRACTICE & RESEARCH, SHARJAH AND MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE CONSULTANT'S WRITTEN AUTHORITY.

01- ALL DIMENSIONS AND LEVELS ARE IN METERS. DIMENSIONS ARE NOT TO BE SCALED FROM THIS DRAWING. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACTOR AND THEIR SUBCONTRACTORS ARE TO VERIFY ALL RELEVANT CODES OF PRACTICES AND VERIFY DIMENSIONS ON SITE BEFORE PREPARING SHOP DRAWINGS FOR AUTHORITY REQUIREMENTS AND BEFORE EXECUTING THE WORKS.

02- ANY DISCREPANCIES, EITHER BETWEEN WRITTEN DIMENSIONS AND SITE DIMENSIONS OR BETWEEN THIS DRAWING AND OTHER CONSULTANTS OR SUPPLIERS DRAWINGS, SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT BEFORE EXECUTING THE WORKS.

03- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, STRUCTURAL DRAWINGS & CONTRACT DOCUMENTS.

04- THE FINISH LEVEL SHALL REFER TO GATE LEVEL, AS PER MUNICIPALITY AUTHORITY APPROVAL. CONTRACTOR TO AGREE WITH ENGINEER ON SITE AND ESTABLISH PERMANENT BENCHMARK.

05- ALL STEPS AND RETAINING WALLS TO BE BUILT OUT OF SOLID BLOCK FINISHED AS SPECIFIED ON DRAWINGS OTHERWISE EPOXY PAINT FINISH OR GUNNET SAND PLASTER FINISH BASED TO COMPLY WITH DETAILS IN SECTION WALL SECTION.

06- ALL EXTERNAL BLOCKWORK TO BE 200-200 MM THERMAL OR AS PER DRAWINGS WITH WITHOUT CLADDING AS PER ELEVATIONS.

07- ALL INTERNAL, HOLLOW CORE CONCRETE BLOCKWORK, TO BE FULL HEIGHT UNLESS SPECIFIED.

08- ALLOW FOR WOODEN FRAMING FOR DOOR WINDOW OTHERWISE AT INTERIOR DESIGNER DISCRETION.

09- ALLOW FOR UNITS, BEAMS/BALK HEADS UNLESS OTHERWISE SHOWN IN SECTIONS.

10- ALL SANITARY FITTINGS, FINISHING LOCATIONS ARE INDICATED FOR REF. EXACT DIMENSIONS, SIZE, LOCATION ETC TO COMPLY WITH ID REQUIREMENT AND TO ENGINEERS APPROVAL ON SITE.

11- UNLESS INDICATED IN DETAIL WALL WORKS/FREE STANDING WALLS, SHOWER ENCLOSURES, SLIDING FOLDING DOORS & KITCHEN CABINETS ETC AS PER INTERIOR DESIGN DETAILS OR BY NOMINATED SUB CONTRACTOR.

12- ALL BRACKETS TO BE COVERED WITH PRECAST CONCRETE SLABS WITH REINFORCING BARS TERMINATION WITH MEP SERVICE TO BE COORDINATED BY MAIN CONTRACTOR.

13- ALL BRACKETS ABOVE GROUND HEIGHT TO BE BUILT AS NORMAL THICK RCC OTHERWISE 150 MM THK.

14- ALL ALUMINUM POWER COATED PROFILES TO BE SLIM & HEAVY DUTY SECTIONS FROM GULF EXTRUSIONS OR AS APPROVED BY THE ENGINEER.

15- ALL GLASS UNIT COMPOSES OF 6MM TINTED GLASS- 12 MM GAP - 6MM CLEAR GLASS TO COMPLY WITH U-VALUE REQUIREMENT.

16- THE PATCH FITTINGS FOR BOTH DOOR, WINDOW & PARTITIONS SHALL COMPLY TO PERFORMANCE REQUIREMENT AS PER THE TYPIC, SIZE & LOCATION (SLIDING WINDOW/FOLDING ETC).

17- ALLOW GARD BLASTING PATTERN FOR OSCURE GLASS & STAINLESS STEEL PATCH FITTING CLEAR SEALANTS.

18- ALL WOODEN FRAMES TO BE TREAT WOOD OR HARD WOOD TO ENGINEERS APPROVAL, AS PER JOBBY DETAILS INCLUDING ARCHITECTURAL AT INTERIOR DESIGNER DISCRETION.

19- ALL SOLID CORE & SHALY BLOCKS TO BE FINISHED WITH NECESSARY STYLES, JAILS, HAND WOOD LIPPING & FINISHED WITH VENEER AT INTERIOR DESIGNER DISCRETION.

20- INFORMATIVE TO INCLUDE HEAVY DUTY WHEEL, TOWER ROLLER/DOOR STOPPERS/HANDLES WITH LOCKS TO COMPLY AS PER DOOR WEIGHT FINISH & TYPE AT INTERIOR DESIGNER DISCRETION.

SUB CONSULTANTS :		
	AR	ARCHITECT OF RECORD :
	C	CIVIL CONSULTANT:
	I	INTERIOR DESIGN CONSULTANT:
	S	STRUCTURAL CONSULTANT :
	MEP	MEP CONSULTANT :

KEY PLAN / AUTHORITY STAMP :



NO.	DESCRIPTION	DATE
REVISION HISTORY		

SUB CONTRACTOR:

MIDDLE EAST DEWATERING & FOUNDATION L.L.C

CONSULTANT:



TEAM BUSINESS CENTER, SUITE 202, SHARJAH UNITED ARAB EMIRATES
P.O. BOX 23603, T. 071 5 544 2355, F. 071 5 544 2403, E. INFO@SHAPE.AE

ABDULLA ALI AL-SHAMS

CLIENT :

Mr. Ismail Haji Ahmed Alsarkal

PROJECT TITLE :

PROPOSED VILLA (B+G+1) + SERVICE BLOCK (G) (GUARD R.+ CAR PARKING + PUMP R. + STORE) + SWIMMING POOL + BOUNDARY WALL

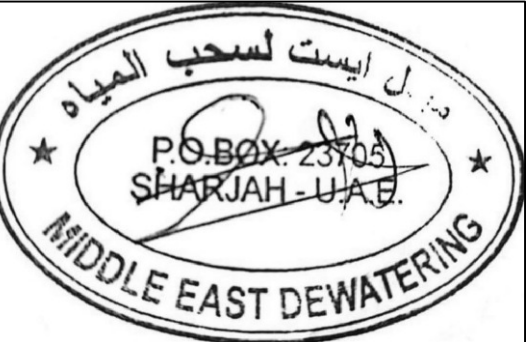
LOCATION : SHARJAH - AL SIYUOH			
ZONE : AL MOWRRADA 5		PLOT NO : 816	
PROJECT ID : 25-046		PLOT AREA : 1625	
SCALE : @ A2		SUBMISSION DATE : 01/08/2023	
DESIGNED BY :		DRAWN BY :	CHECKED BY :
Designer		Author	Checker

DRAWING TITLE :

SHORING SECTION DETAILS

DRAWING NO :	REV :
--------------	-------

- GENERAL NOTES:-**
1. IT IS NOT ALLOWED TO REPRODUCE THIS SHEETS' CONTENTS IN ANY FORM EXCEPT FOR THE PURPOSE FOR WHICH IT IS INTENDED.
 2. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED.
 3. ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION.
 4. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.
 5. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT SECURING WRITTEN PERMISSION FROM THE ARCHITECT.
 6. ALL WORK AS OUTLINED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES.
 7. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



CLIENT NAME:

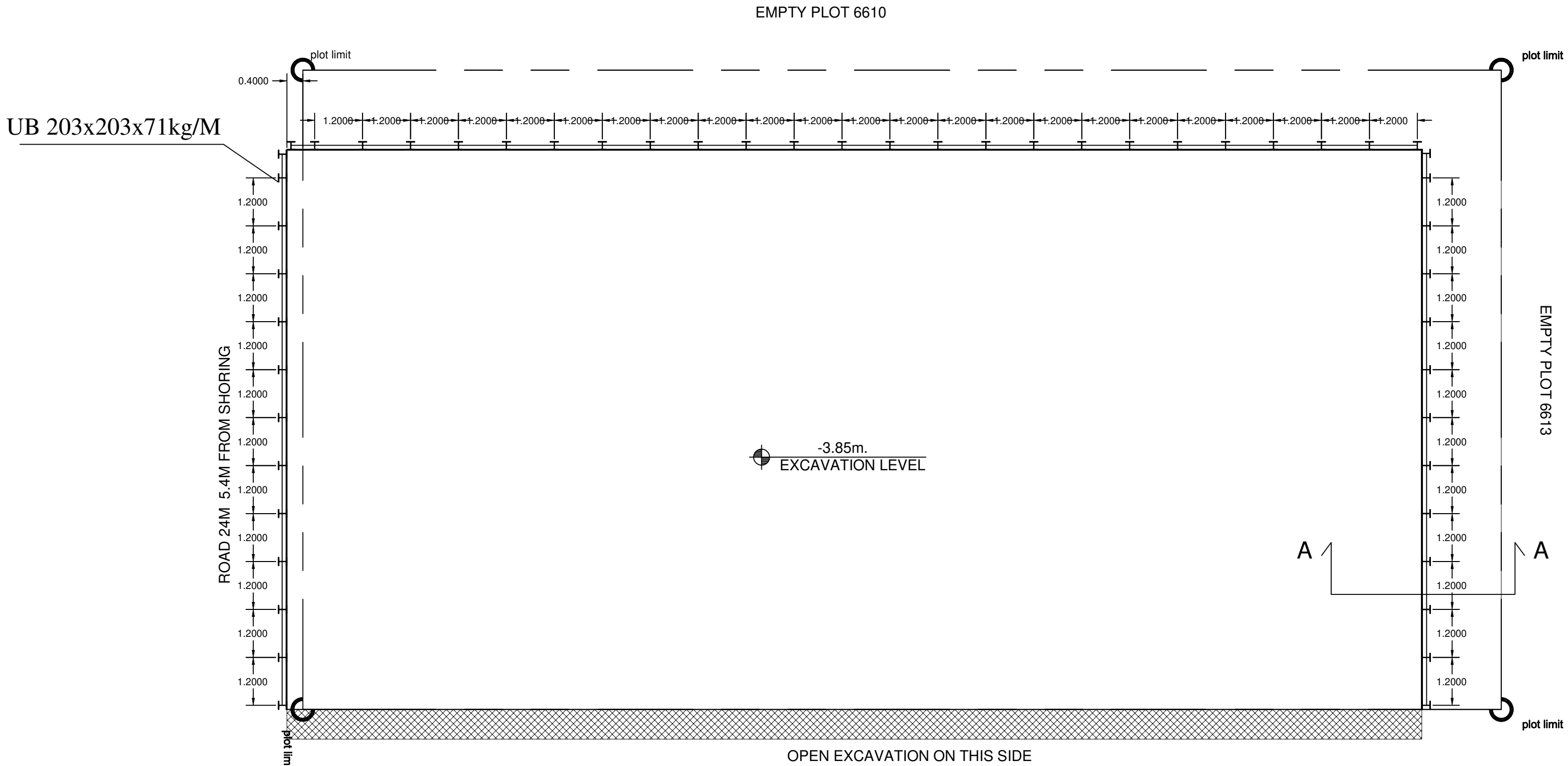
Mr. Ali Jassim Ali Abdulla Almazrouei .
Mr. Mohammed Ateeq Alzafna Khamis Almarar.

PROPOSED PROJECT:
PROPOSED BUILDING (G+4+50%)

PROJECT LOCATION: GOV NO. 6612
MUWAILIH - COMMERCIAL MULK NO. 233/3197

SHEET CONTENT:
SHORING AND EXCAVATION LAYOUT

HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY REVIT	
STRUCT. DESIGNED BY ENG. MAHMOOD HOUSNI		MUN. CREATED BY REVIT	
ELEC. DESIGNED BY			
SERVICES DESIGNED BY			
Project NUMBER: 4101		DRAWING NUMBER: S-07	
DATE 20/07/2023		SCALE 100	REF. NO.
NO.	DATE	REVISIONS	

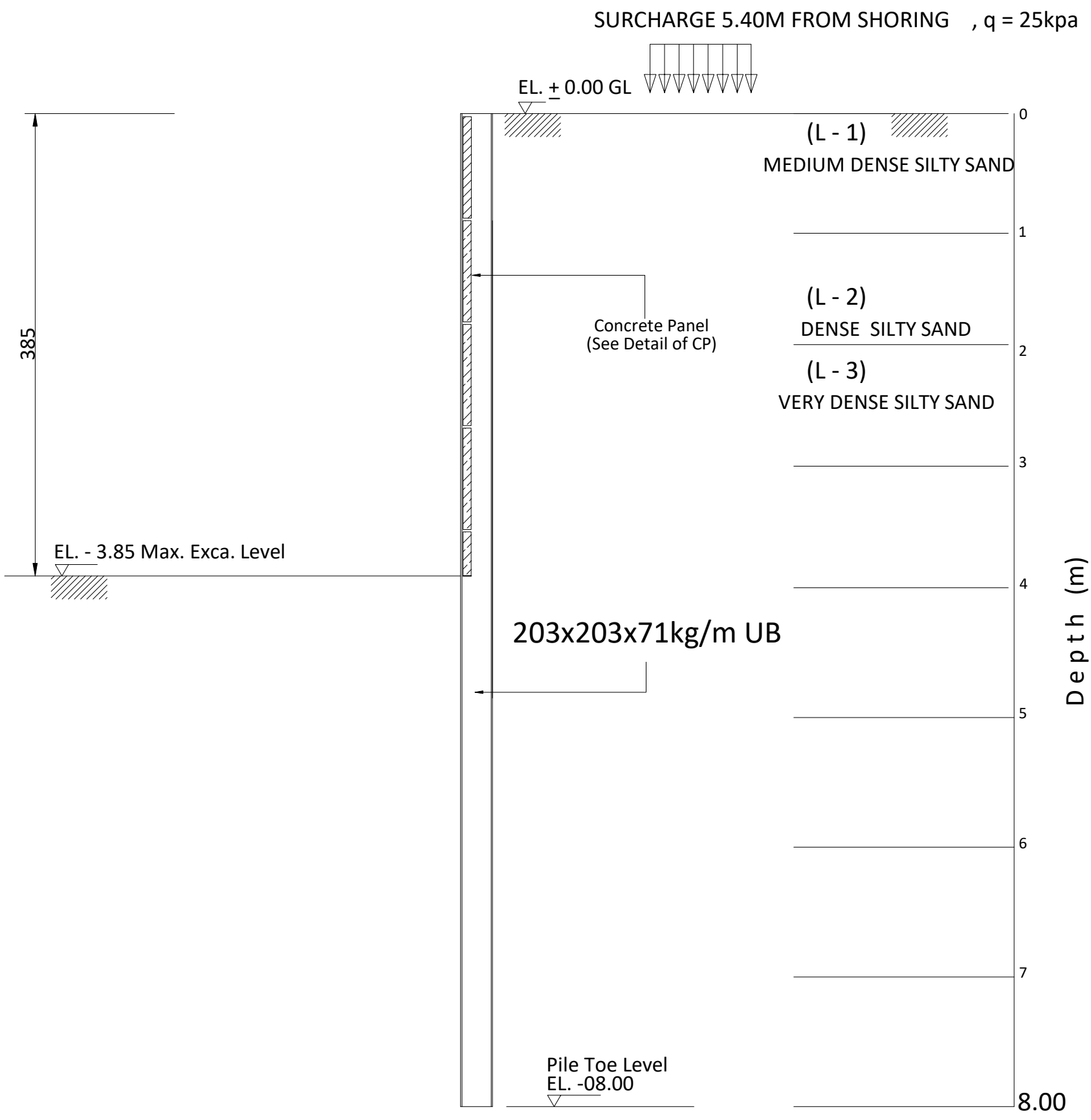


SHORING & EXCAVATION LAYOUT
SCALE : 1-100



Excavation Side

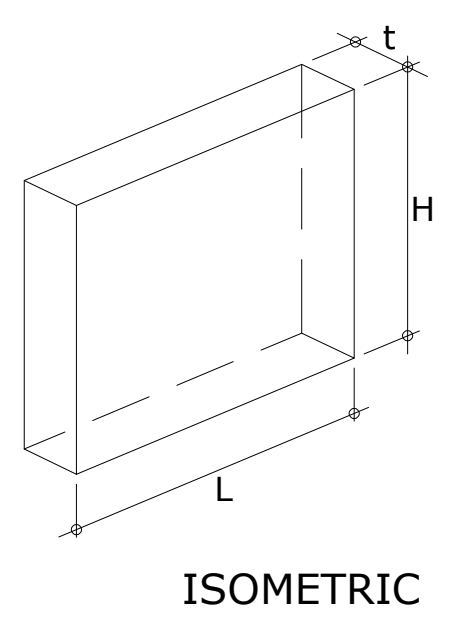
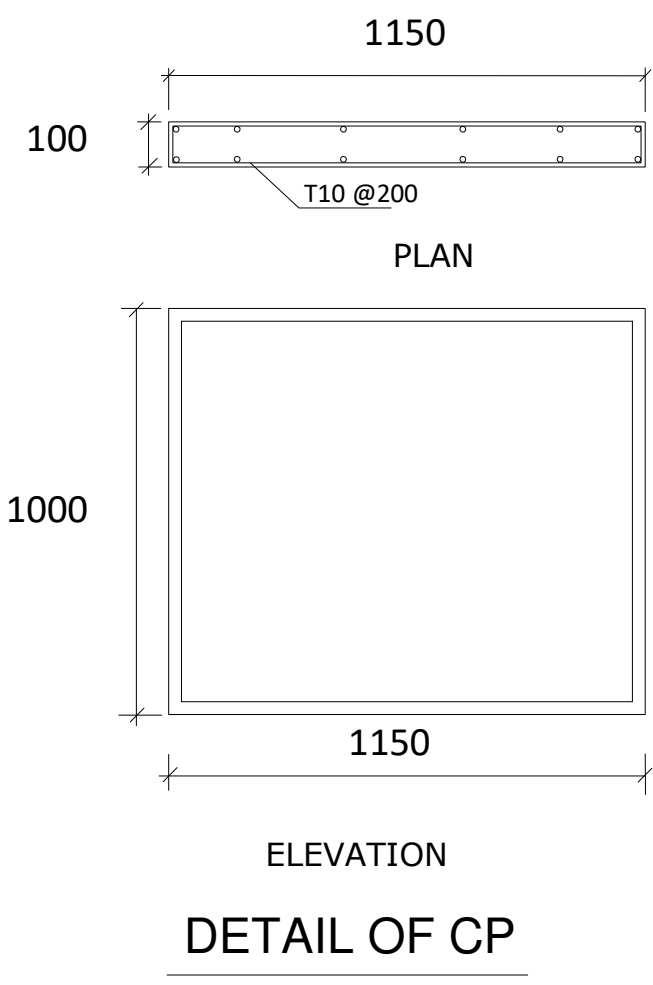
earth side



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



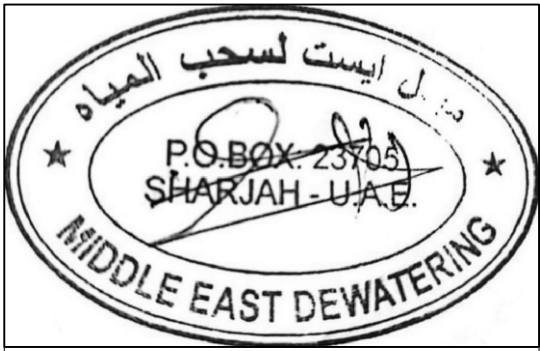
DETAIL OF CP

SECTION PROPERTIES

H-BEAM	L = 08.00m	Fy = 275 N/mm^2
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,t _f (mm)	17.3	
WEB,t _w (mm)	10	
MODULUS, Z _x		
PLASTIC (cm ³)	706	



- GENERAL NOTES:-
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 - IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

الشارقة
للإستشارات الهندسية
Sharjah Engineering Consultants
Tel : +971 6 56 10 111, Web : www.shjengcon.com
Sharjah, Ajman, Umm Al Quwain, Ras Al Khaimah, Oman

CLIENT NAME:
Mr. Ali Jassim Ali Abdulla Almazrouei .
Mr. Mohammed Ateeq Alzafna Khamis Almarar.

PROPOSED PROJECT:
PROPOSED BUILDING (G+4+50%)

PROJECT LOCATION: GOV NO. 6612
MUWAILIH - COMMERCIAL MULK NO. 233/3197

SHEET CONTENT:
SHORING SECTION DETAIL

HEAD OF DESIGN SECTION	HEAD OF ENGINEERING SECTION
ARCH. DESIGNED BY	T. P. CREATED BY REVIT
STRUCT. DESIGNED BY ENG. MAHMOOD HOUSNI	
ELEC. DESIGNED BY	MUN. CREATED BY REVIT
SERVICES DESIGNED BY	
Project NUMBER: 4101	DRAWING NUMBER: S-07
DATE 20/07/2023	SCALE 100
NO.	DATE
	REVISIONS



THK(mm)	SECTION			REMARKS
100	1000x1150			



Diagram of a wide-flange beam cross-section. The flange width is b , the flange thickness is t_f , the web thickness is t_w , and the total height is b .

H-BEAM L = 07.00m Fy = 275 N/mm ²	
SECTION	203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,t _f (mm)	17.3
WEB,t _w (mm)	10
MODULUS, Z _x	
PLASTIC (cm ³)	706



1. DO NOT SCALE FROM DRAWING.
2. ALL DIMENSIONS TO BE VERIFIED ON SITE
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
4. CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
5. ALL MATERIAL TO BE APPROVED IN WRITTEN BY ENGINEER.
6. CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
7. THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR :-
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

DESIGN CONSULTANT:

**الاستشارات
INVESTMENT
Engineering Consultancy**

TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE
www.investmentengineering.ae EMAIL : investment.sjt@gmail.com

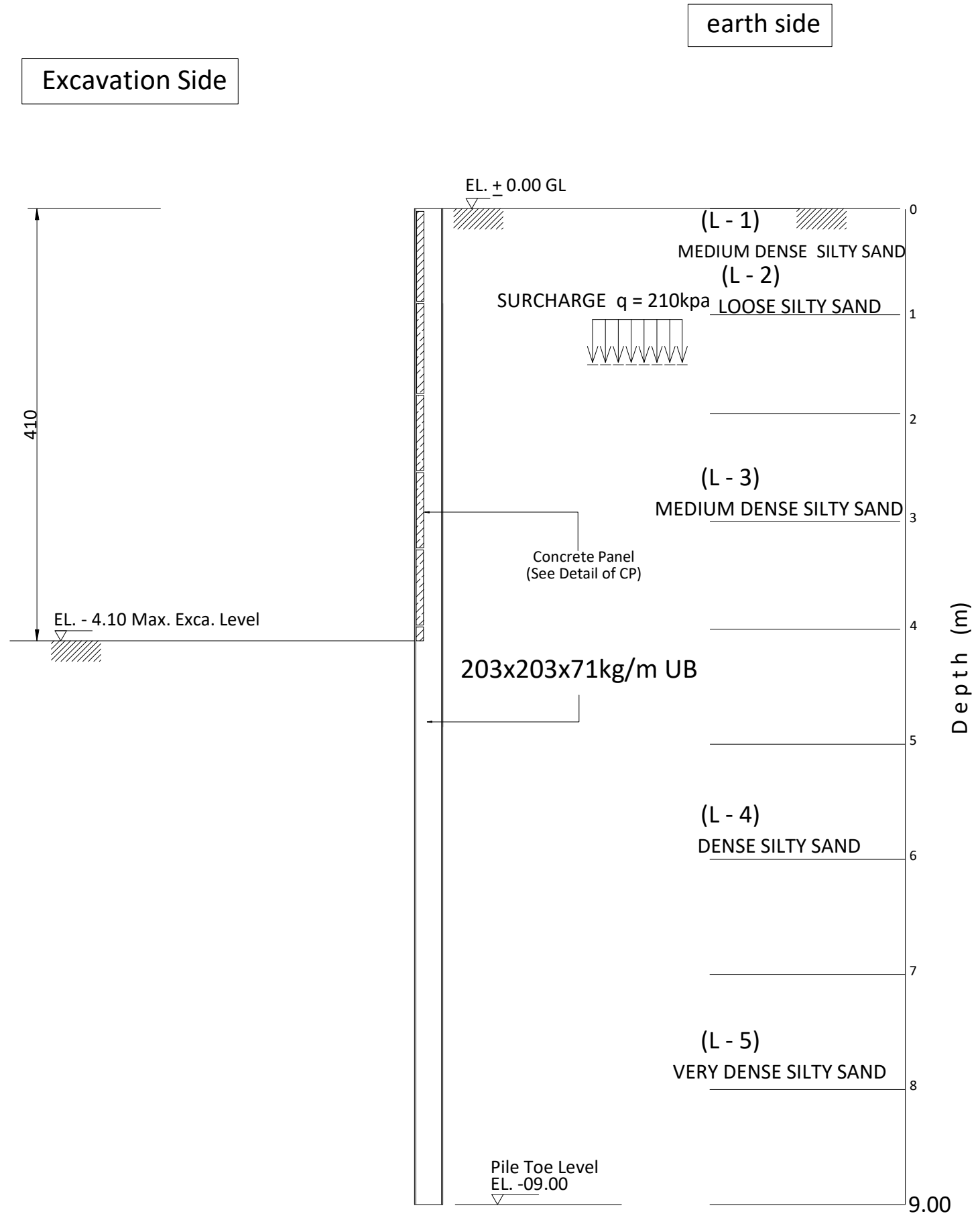


CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

DWG. TITLE :
SHORING SECTION A

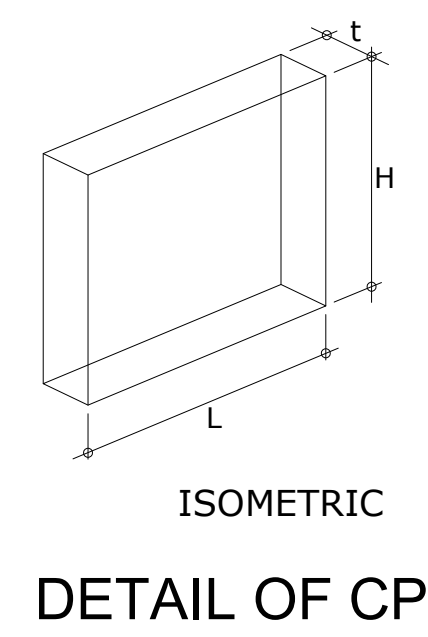
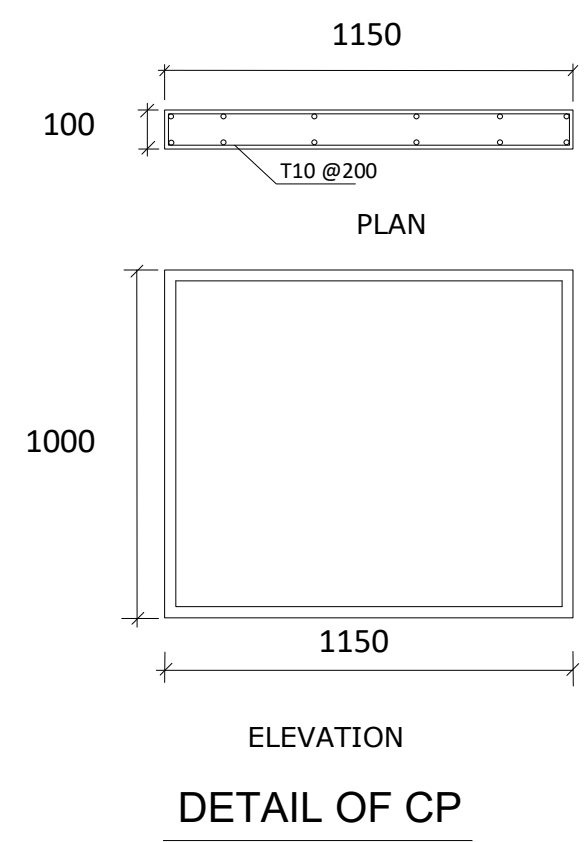
PLOT NO:-	MULK	476	BLOCK:-	AL MAJAZ 2
	GOV.	363		
DESIGNED BY:- M.H	COORDINATED BY:-		APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:- 1/100		DATE:- 2023	JOB NO. :-
	SHEET SIZE: A2			



SECTION B - B

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



SECTION PROPERTIES

H-BEAM	L = 09.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



MATERIAL PROPERTIES FOR RC ELEMENTS :

- * CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
- * STEEL SHOULD BE USED HIGH GRADE DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2

GENERAL NOTES :

1. DO NOT SCALE FROM DRAWING.
2. ALL DIMENSIONS TO BE VERIFIED ON SITE
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
4. CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
5. ALL MATERIAL TO BE APPROVED IN WRITTEN BY ENGINEER.
6. CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
7. THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR :-
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

NO.	DATE	ENG.	REVISION
-----	------	------	----------

DESIGN CONSULTANT:

الاستثمار
INVESTMENT
Engineering Consultancy

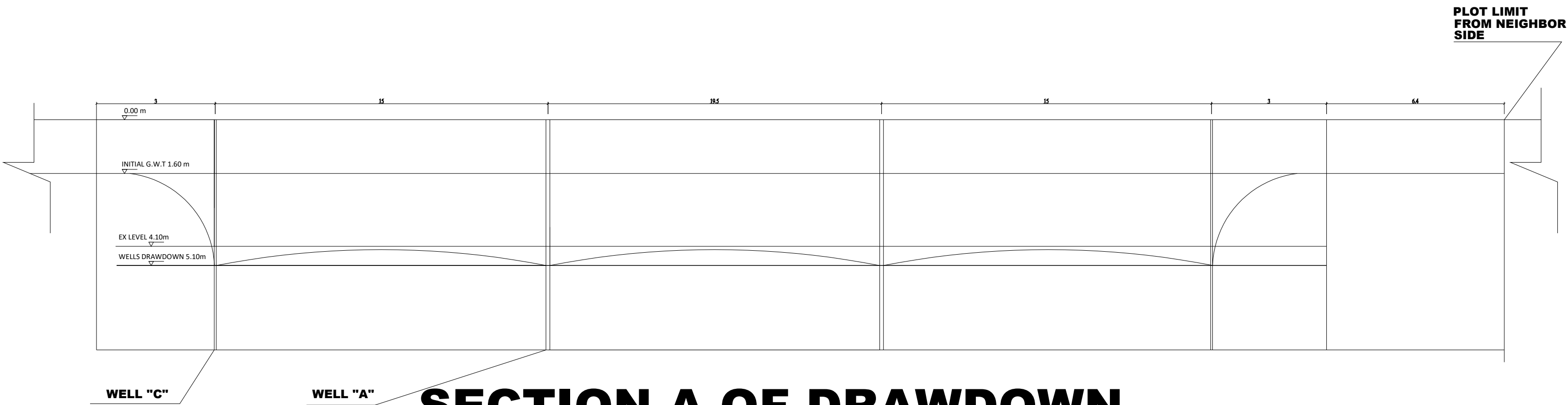
TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE
www.investmentengineering.ae EMAIL : investment.shj@gmail.com

CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

DWG. TITLE :
SHORING SECTION B

PLOT NO:-	MULK 476 GOV. 363	BLOCK:-	AL MAJAZ 2
DESIGNED BY:- M.H	CORDINATED BY:- H.S	APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 2023	JOB NO. :-



SECTION A OF DRAWDOWN



MATERIAL PROPERTIES FOR RC ELEMENTS :

- * CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
- * STEEL SHOULD BE USED HIGH GRADE DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2

GENERAL NOTES :

1. DO NOT SCALE FROM DRAWING.
2. ALL DIMENSIONS TO BE VERIFIED ON SITE
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4. CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
5. ALL MATERIAL TO BE APPROVED IN WRITEN BY ENGINEER.
6. CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
7. THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR :-
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

NO.	DATE	ENG.	REVISION
-----	------	------	----------

DESIGN CONSULTANT:

الاستثمار
INVESTMENT
Engineering Consultancy

TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE
www.investmentengineering.ae EMAIL : investment.shj@gmail.com

CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

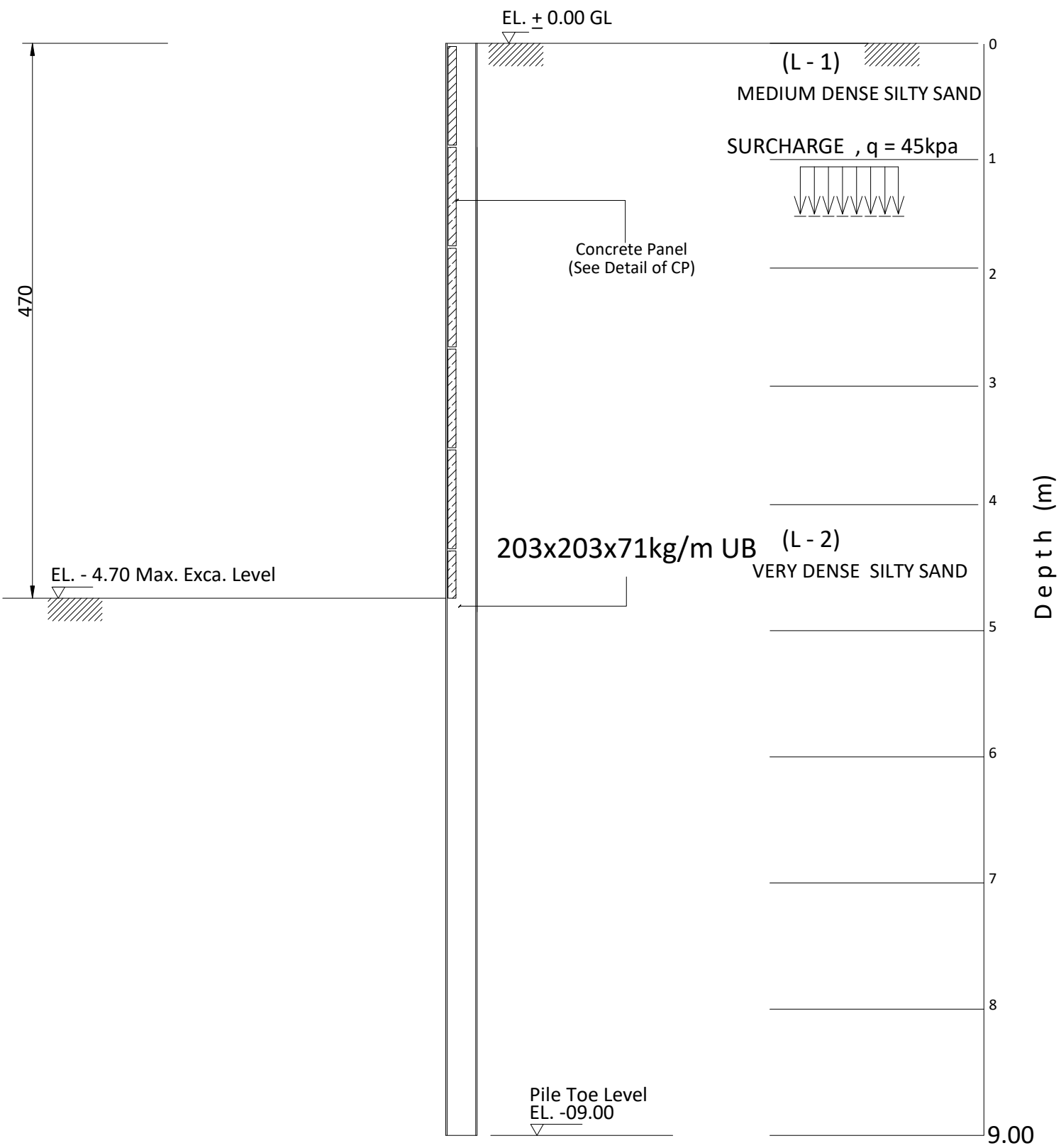
DWG. TITLE :
DEWATERING EFFECT SECTION

PLOT NO:-	MULK 476 GOV. 363	BLOCK:-	AL MAJAZ 2
DESIGNED BY:- M.H	COORDINATED BY:- H.S	APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 2023	JOB NO. :-



job title							
PROPOSED (B+G+1) VILLA + PROPOSED SERVICE BLOCK & PARKING							
owner name MR. RAYMOND KHALIL AZIZ							
drawing title SHORING LAYOUT							
AREA		BLOCK		PLOT No		JOB No	
SHARJAH		AL YASH / WASIT SUBURB		236 / 571		864	
Architect				Sheet no.		drawing no	
				1			
Arch. Chkd.				revision suffix			
Structure Eng. ENG. MAHMOOD				drawn ENG. MAHMOOD			
MEP Eng.				Scale 1:150 @ A2		Date 02/08/2023	

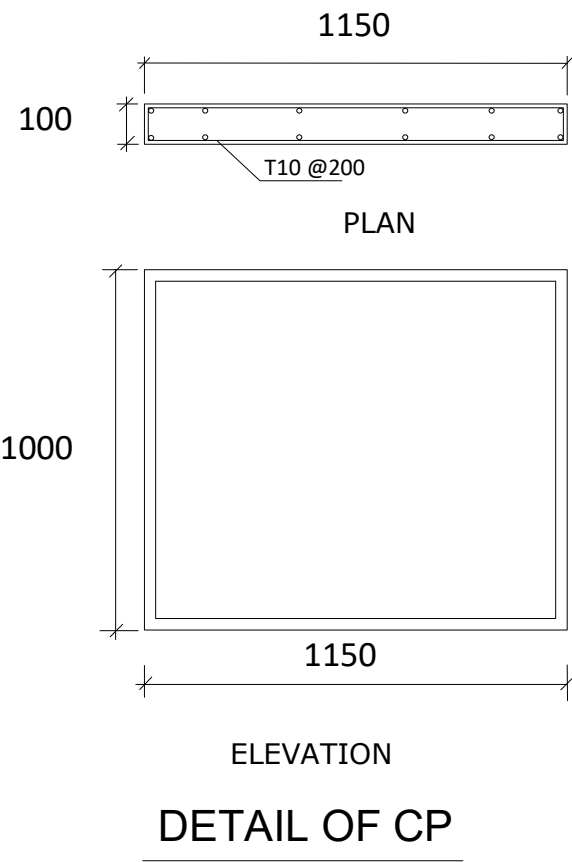
Excavation Side



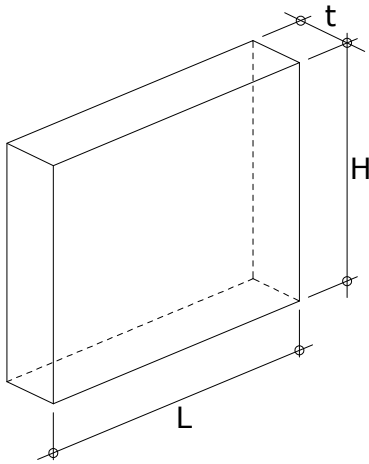
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		

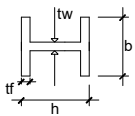


DETAIL OF CP



ISOMETRIC
DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 09.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	

LEAD CONSULTANT:

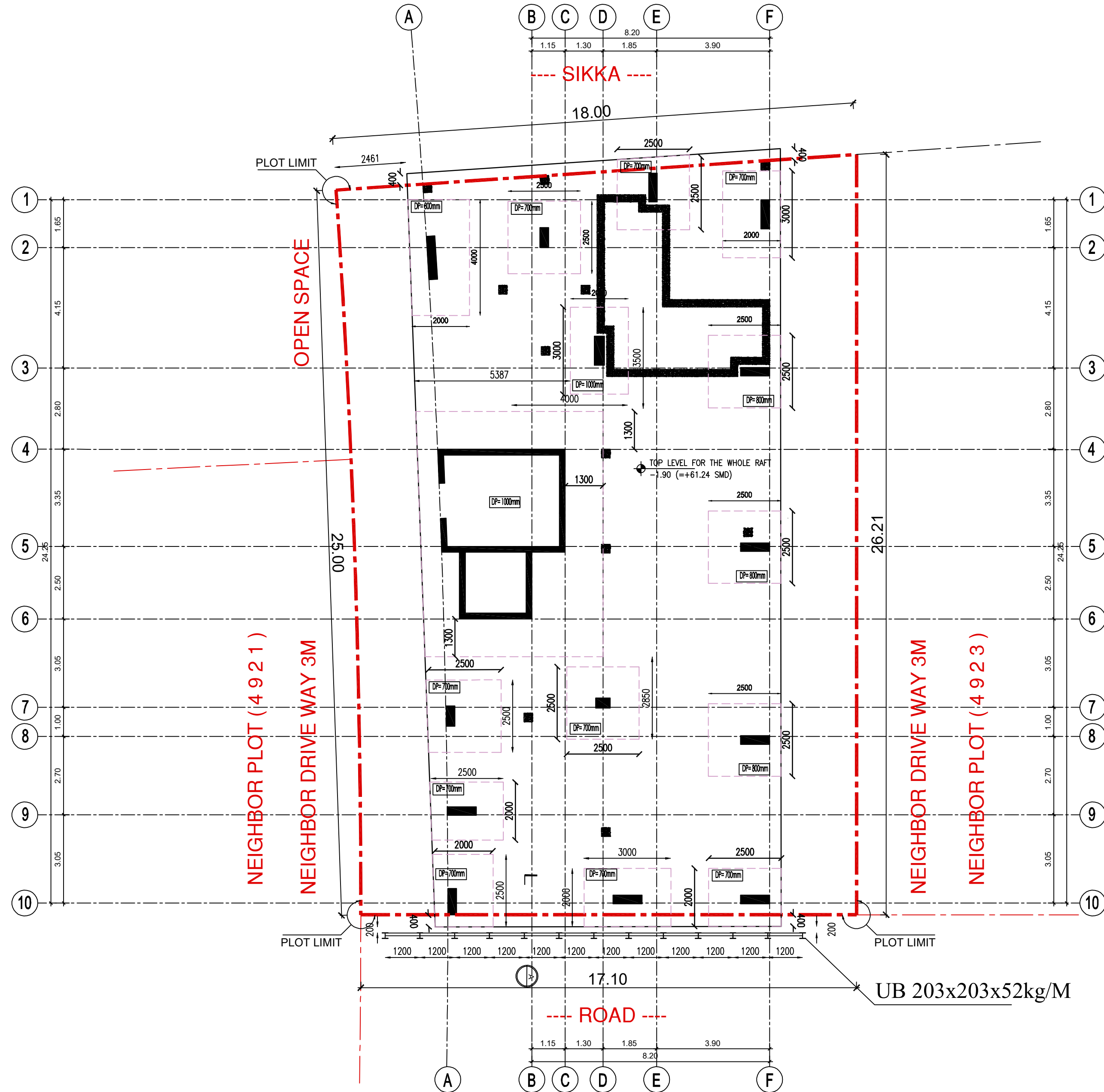
	Bays Water Tower,Business Bay Office 1910 P.O.Box 57004 Dubai-UAE Tel: +971(0)44516868 Fax: +971(0)44516969 E-mail: mail@whitespace.ae URL: www.whitespace.ae
---	--



SUB CONTRACTOR
MIDDLE EAST DEWATERING
& FOUNDATION L.L.C



job title			
PROPOSED (B+G+1) VILLA + PROPOSED SERVICE BLOCK & PARKING			
owner name			
MR. RAYMOND KHALIL AZIZ			
drawing title			
SHORING SECTION DETAILS			
AREA	BLOCK	PLOT No	JOB No
SHARJAH	AL YASH / WASIT SUBURB	236 / 571	864
Architect	Sheet no. 2		drawing no
Arch. Chkd.	revision suffix		
Structure Eng. ENG.MAHOOD	drawn ENG.MAHOOD		
MEP Eng.	Scale 1:150@A2	Date 02/08/2023	



UNITED ARAB EMIRATES
Government of Sharjah
Roads & Transport Authority

شهادة عدم معارضة
تأشيرة جواز السفر

الرقم	الاسم	الجنس	تاريخ الميلاد	تاريخ الصلاحية
15712/2022	محمد بن محمد	ذكر	1985/05/15	2025/05/15
15712/2022	فاطمة بنت محمد	أنثى	1990/03/20	2025/03/20
15712/2022	أحمد بن محمد	ذكر	1988/07/10	2025/07/10
15712/2022	سارة بنت محمد	أنثى	1992/01/05	2025/01/05

هذه الشهادة تصدر عن إدارة المرور والشرطة في إمارة الشارقة، وتعتبر سارية المفعول لمدة ستة أشهر من تاريخ إصدارها.

قطاع الهندسة و المصنعي
إدارة تراخيص البناء
13/04/2023
تمديد انشائي
التوقيع

LOCAL AUTHORITY APPROVAL:

GENERAL NOTES:

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- ALL DIMENSIONS ARE IN MM AND LEVELS IN MM UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE VERIFIED ON SITE AND APPROVED BY THE ENGINEER.
- DIMENSIONS MUST NOT BE SCALED FROM THIS DRAWING.
- ALL DIMENSIONS TO BE CHECKED ON SITE AND DISCREPANCIES TO BE REFERRED TO THIS OFFICE FOR DECISION.
- IN CARRYING OUT WORKS RELATING TO THIS DRAWING, THE CONTRACTOR IS TO BE RESPONSIBLE FOR COMPLYING WITH THE FULL REQUIREMENTS OF ALL RELATED LEGISLATION INCLUDING LOCAL STATUTORY AUTHORITY, SERVICES REGULATIONS AND ALL SAFETY ACTS (LATEST EDITION).
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT, ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND ALL RELEVANT SECTIONS OF THE SPECIFICATIONS.

KEY PLAN

SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

REV. No	DATE	DESCRIPTION	CHECKED

CLIENT:
M/S AL MIDFA INVESTMENTS GROUP LLC

PROJECT NAME:
PROPOSED RESIDENCIAL BUILDING
GROUND + 3 TYPICAL + ROOF
PLOT NO : 4922
TILAL / AL SUYOH - SHARJAH

ARCHITECT:
Atrium
ARCHITECTURAL & ENGINEERING CONSULTANCY
P O BOX 78308 DUBAI
UNITED ARAB EMIRATES
TEL: +971 (0) 4 5540100 FAX: +971 (0) 4 4310470
Web site : www.atriumuae.com
E-mail : admin@atriumuae.com

DRAWING NAME:
SHORING LAYOUT

AUTHORIZED BY	DATE	DATE
		FEB-2023

DESIGNED BY	STAGE
M.H	

DRAWN BY	SHEET SIZE
M.H	A2

CHECKED BY	SCALE
M.H	1:100

1 UNIT = 10 mm WHEN PRINTED AT A2 SHEET SIZE

DIVISION	SUB.GROUP	SHEET NUMBER	PROJECT No.
		0	701

ISSUED FOR:



Excavation Side

earth side

AREA SURCHARGE , q = 30kpa

EL. ± 0.00 GL = (+63.14 SMD)

(L - 1)
LOOSE SILTY SAND

Concrete Panel
(See Detail of CP)

EL. - 2.70 = (+60.44 SMD) Max. Exca. Level

(L - 2)
VERY LOOSE SILTY SAND

(L - 3)
LOOSE SILTY SAND

203x203x52kg/m UB

(L - 4)
MEDIUM DENSE SILTY SAND

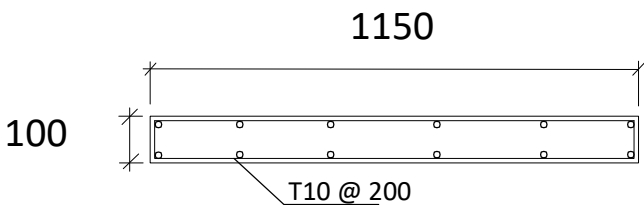
(L - 5)
DENSE SILTY SAND

Pile Toe Level
EL. -08.00

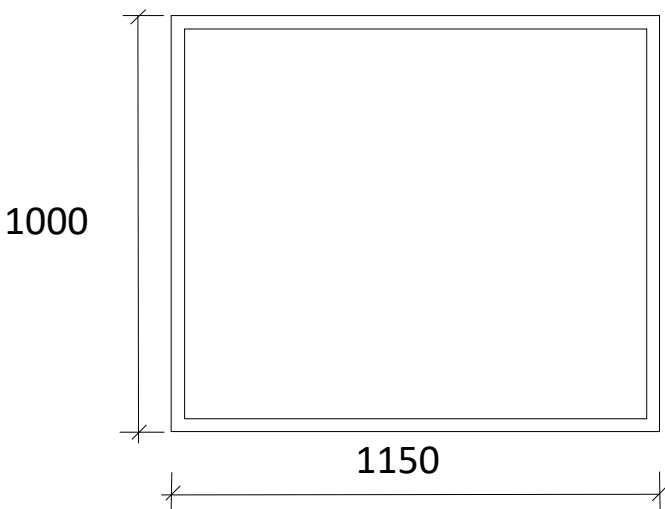
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		

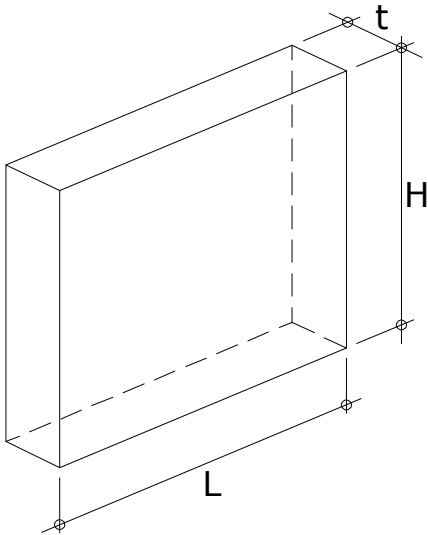


PLAN



ELEVATION

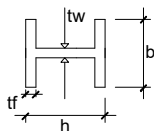
DETAIL OF CP



ISOMETRIC

DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 08.00m
SECTION	203x203x52kg/M
MASS (kg/m)	52
DEPTH,h (mm)	206.2
WIDTH,b (mm)	204.3
FLANGE,tf (mm)	12.5
WEB,tw (mm)	7.9
MODULUS, Zx	
PLASTIC (cm ³)	510



LOCAL AUTHORITY APPROVAL:

GENERAL NOTES:

- THIS DRAWING IS THE COPYRIGHT OF 'AMTAR ARCHITECTURAL AND ENGINEERING CONSULTANTS' SHARJAH, AND MUST NOT BE RETAINED, COPIED OR USED WITHOUT ABOVE CONSULTANT'S AUTHORITY.
- ALL DIMENSIONS ARE IN MM AND LEVELS IN MM UNLESS NOTED OTHERWISE. ALL DIMENSIONS TO BE VERIFIED ON SITE AND APPROVED BY THE ENGINEER.
- DIMENSIONS MUST NOT BE SCALED FROM THIS DRAWING.
- ALL DIMENSIONS TO BE CHECKED ON SITE AND DISCREPANCIES TO BE REFERRED TO THIS OFFICE FOR DECISION.
- IN CARRYING OUT WORKS RELATING TO THIS DRAWING, THE CONTRACTOR IS TO BE RESPONSIBLE FOR COMPLYING WITH THE FULL REQUIREMENTS OF ALL RELATED LEGISLATION INCLUDING LOCAL STATUTORY AUTHORITY, SERVICES REGULATIONS AND ALL SAFETY ACTS (LATEST EDITION).
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND ALL RELEVANT SECTIONS OF THE SPECIFICATIONS.

KEY PLAN



SUB CONTRACTOR :

MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

REV. No	DATE	DESCRIPTION	CHECKED
---------	------	-------------	---------

CLIENT:

M/S AL MIDFA
INVESTMENTS GROUP LLC

PROJECT NAME:

PROPOSED RESIDENCIAL BUILDING
GROUND + 3 TYPICAL + ROOF
PLOT NO : 4922
TILAL / AL SUYOH - SHARJAH

ARCHITECT:



P O BOX 78308 TEL: +971 (0) 4 5540100 FAX: +971 (0) 4 4310470
DUBAI Web site : www.atrimumae.com
UNITED ARAB EMIRATES E-mail : admin@atrimumae.com

DRAWING NAME:

SHORING SECTION

AUTHORIZED BY	M.BALAAWI	DATE	DATE
---------------	-----------	------	------

DESIGNED BY	M.SH.&O.BA.	STAGE	FEB-2023
-------------	-------------	-------	----------

DRAWN BY	A.R.	SHEET SIZE	A2
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CHECKED BY	M.SH.&O.BA.	SCALE	1:100
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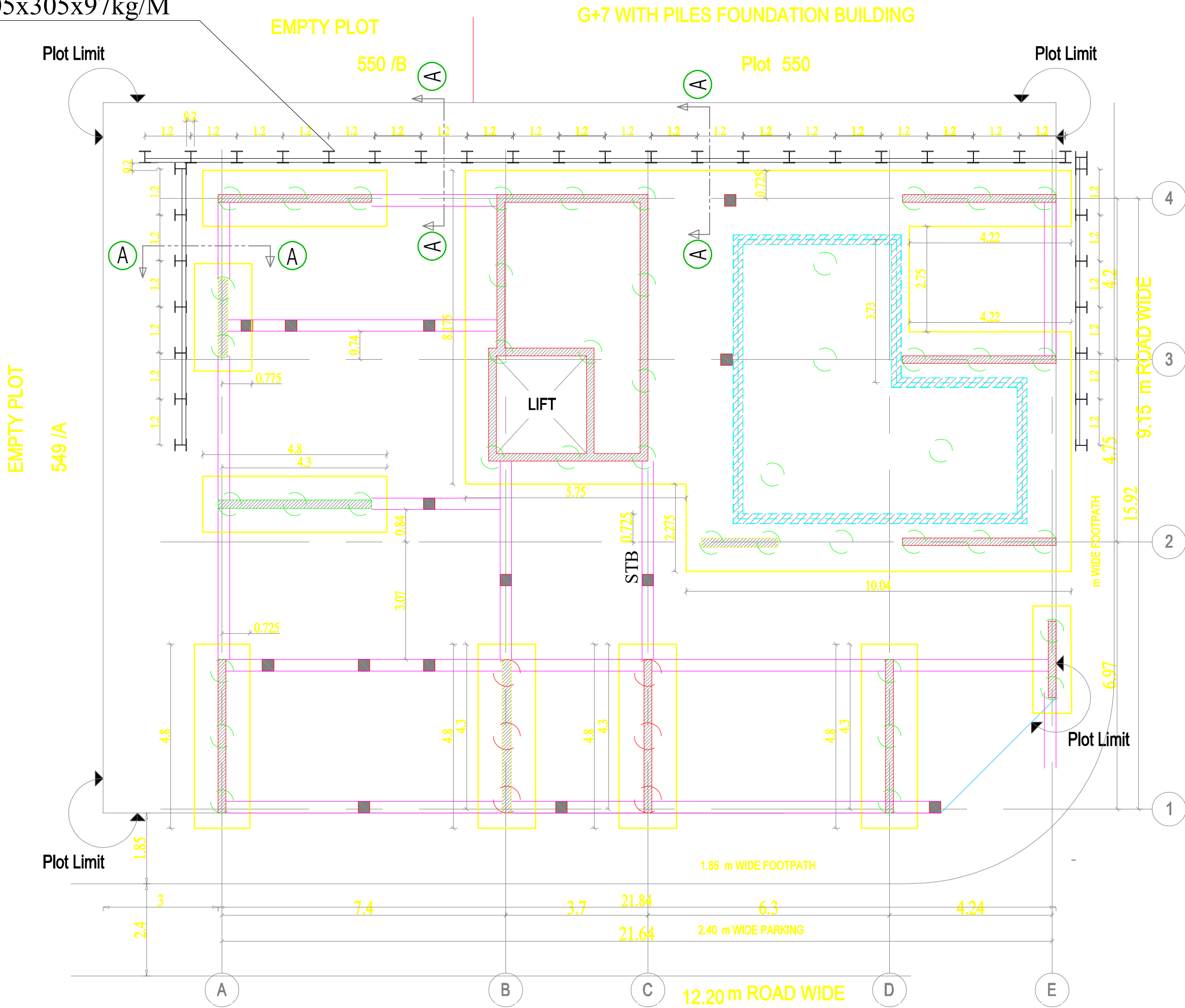
1 UNIT = 10 mm	WHEN PRINTED AT A2 SHEET SIZE
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DIVISION	SUB.GROUP	SHEET NUMBER	PROJECT No.
----------	-----------	--------------	-------------

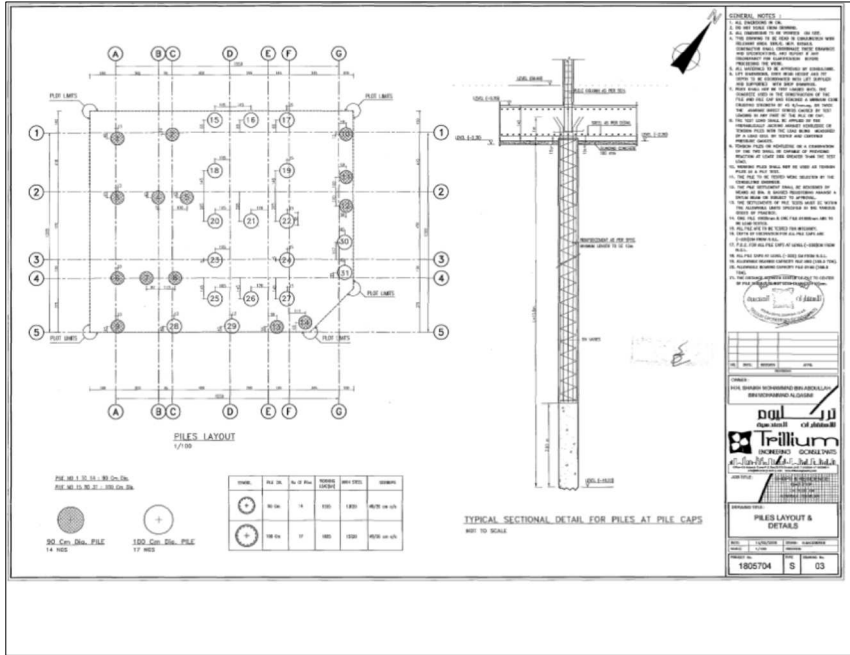
S		400	701
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ISSUED FOR:

UB 305x305x97kg/M



SHORING LAYOUT



G+7 WITH PILES FOUNDATION BUILDING

Plot 550



ميدل إيست لسحب المياه
Middle East Dewatering

التاريخ : 2022/11/2
المحترمين
السادة / بلدية الشارقة
تحية طيبة و بعد

المشروع : بنية تجارية (أرضي + عدد / 4 / طوابق متكرر) قطعة رقم 550 - النبعة - الشارقة

الموضوع : تعهد

بالإشارة إلى الموضوع أعلاه , نتعهد نحن شركة ميدل إيست بسلاسة المبني و الطرق المجاورة للمشروع نتيجة أعمال سدد جوانب الحفر و تخفيف المياه الجوفية بالموقع و أنها تحت مسؤوليتنا بالكامل و إستخدام بيزوميتر لمراقبة المياه .

ميدل إيست لسحب المياه

Tel.: 04-2369962 , Fax: 04- 2369964, Mob.: 050-3093519, 050-6464745
P.O. Box 113488, Dubai / Abu Dhabi - U.A.E., E-mail: coastmiddleeast@gmail.com



الثقة لمقاولات البناء
AL THIQAH BLDG. CONT. L.L.C.

التاريخ : 2022-11-17
السادة / بلدية الشارقة المحترمين
تحية طيبة وبعد
المشروع : مبني ارضي + اربع طوابق متكررة
قطعة رقم 619 - النبعة - الشارقة
ملك : فريدة عبد الله / زوجة : عبد العزيز عبد الرحيم محمد الزرعوني
الموضوع : رسالة تعهد

نباالإشارة للموضوع أعلاه نتعهد نحن شركة الثقة لمقاولات البناء بان مقاول الباطن شركة ميدل إيست لسحب المياه مسؤول كامل عن :

1 دراسة وتنفيذ سحب المياه الجوفية بالموقع المذكور أعلاه بما لا يمثل خطورة او اضرار على المباني المجاورة

2 دراسة وتنفيذ أعمال سدد جوانب الحفر بالموقع المذكور أعلاه بما لا يمثل خطورة او اضرار على المباني المجاورة

مع فائق الاحترام و التقدير .
الثقة لمقاولات البناء .

MATERIAL PROPERTIES :
* CYLINDER COMPRESSIVE STRENGTH OF
CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
* STEEL SHOULD BE USED HIGH GRADE
DEFORMED BARS MINIMUM YIELD
STRENGTH (Fy)=460N/mm2
(Fcu = 40 N/mm2 , Fy = 460 N/mm2)

GENERAL NOTES :

- DO NOT SCALE FROM DRAWING.
- ALL DIMENSIONS TO BE VERIFIED ON SITE
- THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
- CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
- ALL MATERIAL TO BE APPROVED IN WRITEN BY ENGINEER.
- CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
- THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



الاستثمار
INVESTMENT
Engineering Consultancy

TEL : +971 6 5737979 FAX : +971 6 5737779
P.O. BOX : 1388, SHARJAH, UAE EMAIL : investment.shj@gmail.com
www.investmentengineering.ae

CLIENT'S :
FARIDA ABDULLA WIFE OF
ABDULAZIZ ABDULRAHIM MOHAMMED ALZARROONI

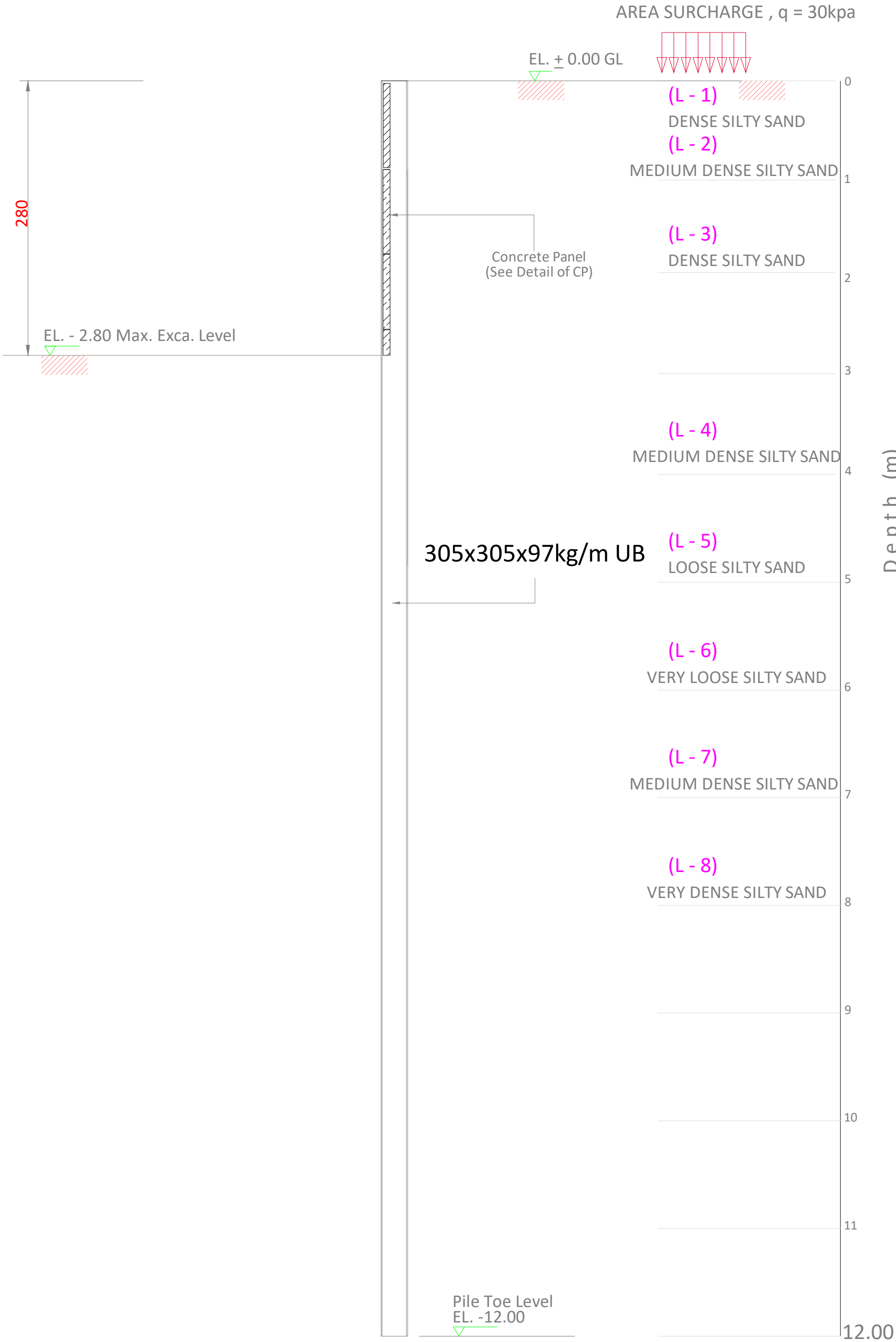
PROJECT TITLE :-
UNDER CONSTRUCTION BUILDING (G+4)

DWG. TITLE :
SHORING LAYOUT

PLOT NO:-	MULK: 619 GOV: 550/A	BLOCK:- AL NABAA	
DESIGNED BY:- M.H	COORDINATED BY:- M.H	APPROVED BY:- M.H	DRAWING NO. :- STR-10
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 11-2022	JOB NO. :-

Excavation Side

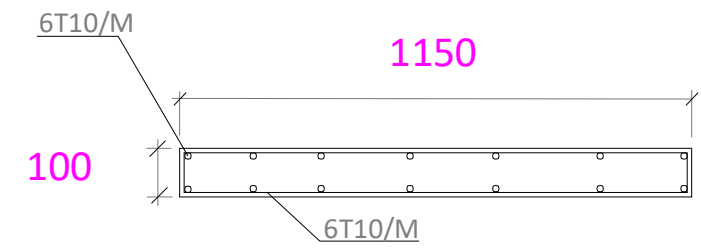
earth side



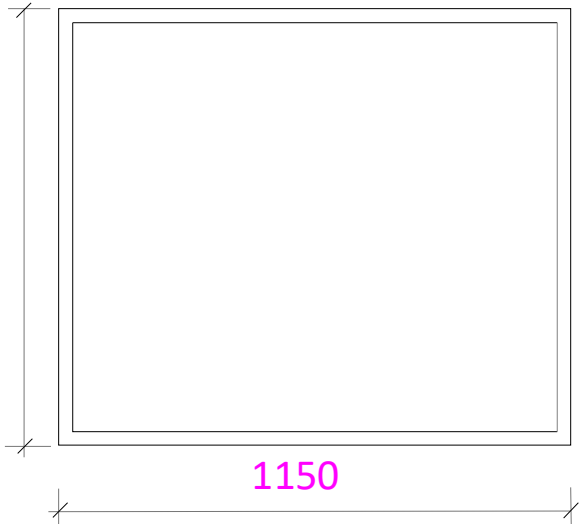
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	QTY (nos)		REMARKS
100	1000x1150	126		



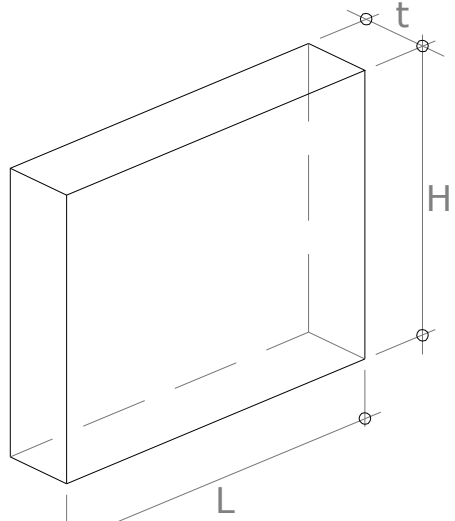
PLAN



ELEVATION

DETAIL OF CP

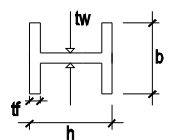
(Fcu = 40 N/mm2 , Fy = 460 N/mm2)



ISOMETRIC

DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 12.00m
SECTION	305x305x97kg/M
MASS (kg/m)	96.9
DEPTH,h (mm)	307.9
WIDTH,b (mm)	305.3
FLANGE,tf (mm)	15.4
WEB,tw (mm)	9.9
MODULUS, Zx PLASTIC (cm ³)	1445



MATERIAL PROPERTIES :

* CYLINDER COMPRESSIVE STRENGTH OF
CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS

* STEEL SHOULD BE USED HIGH GRADE

DEFORMED BARS MINIMUM YIELD
STRENGTH (Fy)=460N/mm2

(Fcu = 40 N/mm2 , Fy = 460 N/mm2)

GENERAL NOTES :

- DO NOT SCALE FROM DRAWING.
- ALL DIMENSIONS TO BE VERIFIED ON SITE
- THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
- CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
- ALL MATERIAL TO BE APPROVED IN WRITTEN BY ENGINEER.
- CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
- THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR:

MIDDLE EAST DEWATERING &
FOUNDATION L.L.C

NO.	DATE	ENG.	REVISION
-----	------	------	----------

DESIGN CONSULTANT:

الاستثمار
INVESTMENT
Engineering Consultancy



TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE EMAIL : investment.shj@gmail.com
www.investmentengineering.ae

CLIENT'S :-

FARIDA ABDULLA WIFE OF
ABDULAZIZ ABDULRAHIM MOHAMMED ALZAROONI

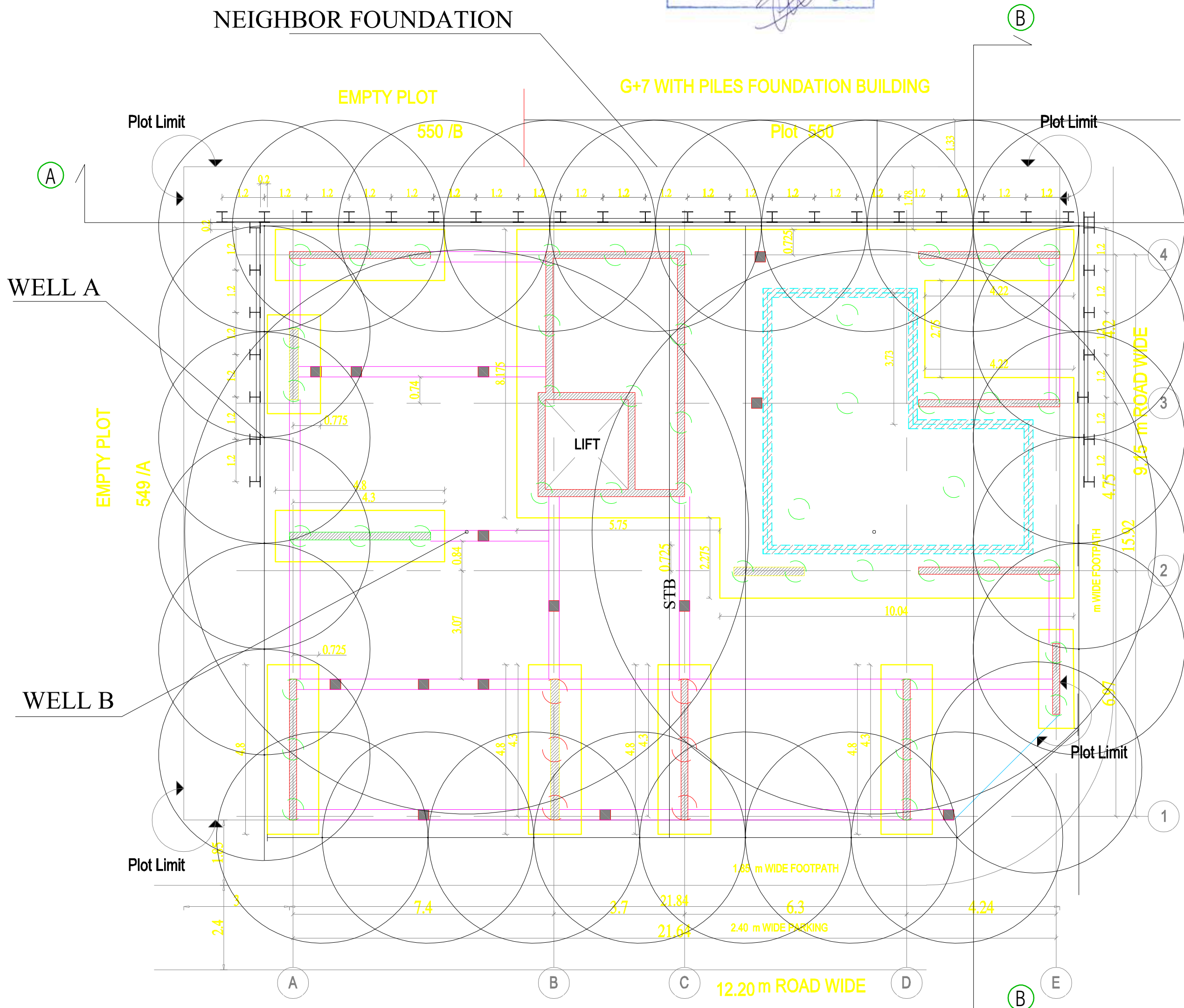
PROJECT TITLE :-

UNDER CONSTRUCTION BUILDING (G+4)

DWG. TITLE :

SHORING SECTION B

PLOT NO:-	MULK: 619 GOV: 550/A	BLOCK:- AL NABAA	
DESIGNED BY:- M.H	CORDINATED BY:- M.H	APPROVED BY:- M.H	DRAWING NO. :- STR-10
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 11-2022	JOB NO. :-



WE WILL DEAL WITH THE DEWATERING BY THE SITE WITH 2" WELLS AND THEN CONNECTING THE DRAWDOWN OF ALL WELLS BY DRILLING FOR TWO WELLS INSIDE THE SIDE 4" WITH A HIGHER DRAWDOWN .2 PUMPS WILL BE USED WITH ADJUSTABLE FLOW BUT WILL BE MAINTAINED AT 4.1 LITERS/SEC TO SPLIT THE DEWATERING NETWORK BETWEEN THEM. A STANDBY PUMP WILL BE PROVIDED IF REQUIRED.

DEWATERING WELLS EFFECT LAYOUT





ميدل إيست لسحب المياه
Middle East Dewatering

التاريخ : 2022/11/2
السادة / بلدية الشارقة
المحترمين
تحية طيبة و بعد
المشروع : بناية تجارية (أرضي + عدد 4 / طوابق متكرر) قطعة رقم 550 - النابعا - الشارقة
الموضوع : تعهد
بالإشارة إلى الموضوع أعلاه ، نتعهد نحن شركة ميدل إيست لسحب المياه بسلامة البني و الطرق المجاورة للمشروع نتيجة أعمال سند جوانب الحفر و تخفيف المياه الجوفية بالموقع و أنها تحت مسؤوليتنا بالكامل و استخدام بيروميتر لمراقبة المياه .

ميدل إيست لسحب المياه


MIDDLE EAST DEWATERING

Tel : 04-2369962 , Fax: 04-2369964 , Mob.: 050-3093519, 050-6464745
P.O. Box 113488, Dubai / Abu Dhabi - U.A.E., E-mail: coastmiddleeast@gmail.com



الثقة لمقاولات البناء
AL THIGA M.BE. CONT. L.L.C.

التاريخ : 2022-11-17
السادة / بلدية الشارقة المحترمين
تحية طيبة وبعد
المشروع : مبنى أرضي + أربع طوابق متكررة
قطعة رقم 619 - النابعا - الشارقة
ملك : فريدة عبد الله / زوجة عبد العزيز عبد الرحيم محمد الزرعوني
الموضوع : رسالة تعهد
نهالإشارة للموضوع أعلاه نتعهد نحن شركة الثقة لمقاولات البناء بأن مقاول الباطن شركة ميدل إيست لسحب المياه مسؤول مسؤولية كاملة عن :
1 دراسة وتنفيذ سحب المياه الجوفية بالموقع المذكور أعلاه بما لا يمثل خطورة أو اضرار على المجاورة
2 دراسة وتنفيذ أعمال سند جوانب الحفر بالموقع المذكور أعلاه بما لا يمثل خطورة أو اضرار على المجاورة
مع فائق الاحترام و التقدير .
الثقة لمقاولات البناء .


AL THIGA Bldg. Cont. L.L.C.

MATERIAL PROPERTIES :
* CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
* STEEL SHOULD BE USED HIGH GRADE
DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2
(Fcu = 40 N/mm2 , Fy = 460 N/mm2)

- GENERAL NOTES :**
- DO NOT SCALE FROM DRAWING.
 - ALL DIMENSIONS TO BE VERIFIED ON SITE
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
 - CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
 - ALL MATERIAL TO BE APPROVED IN WRITTEN BY ENGINEER.
 - CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
 - THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

NO.	DATE	ENG.	REVISION



الاستثمار
INVESTMENT
Engineering Consultancy

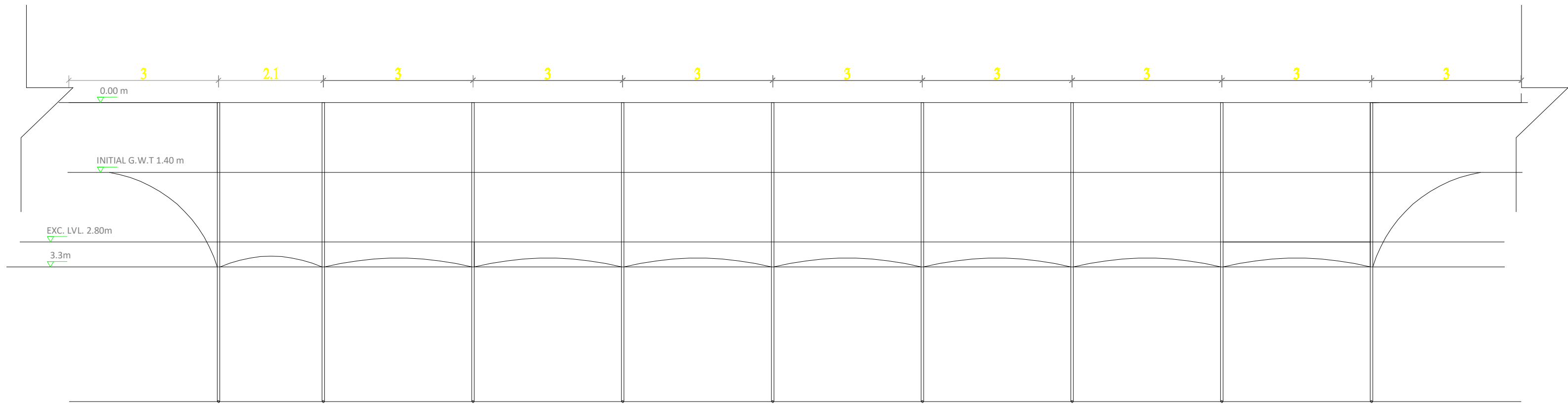
TEL : +971 6 5737979 FAX : +971 6 5737779
P.O. BOX : 1388, SHARJAH , UAE EMAIL : investment.shj@gmail.com
www.investmentengineering.ae

CLIENT'S :-
FARIDA ABDULLA WIFE OF ABDULAZIZ ABDULRAHIM MOHAMMED ALZARROONI

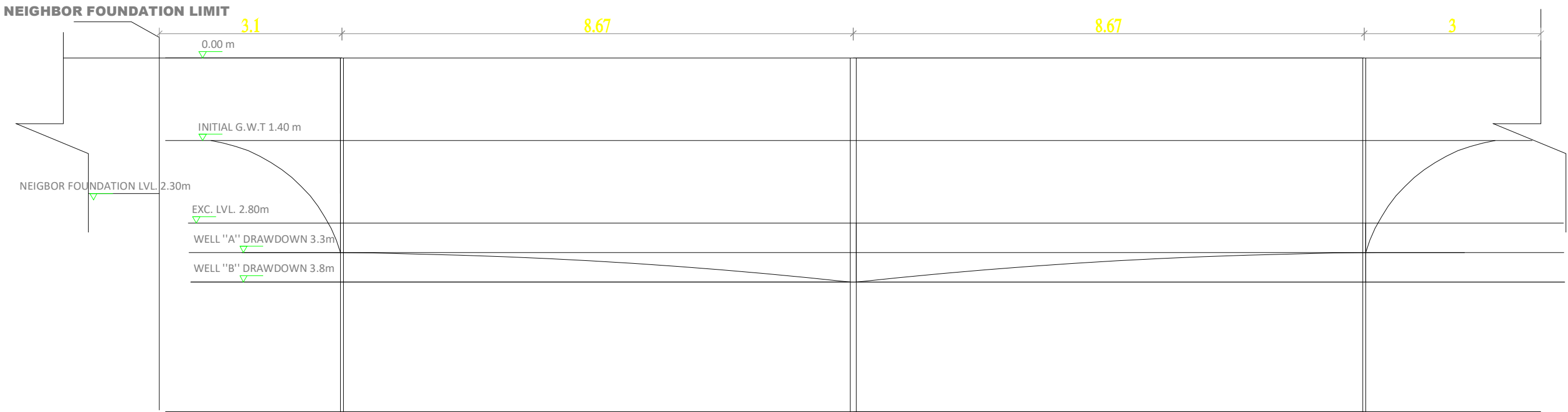
PROJECT TITLE :-
UNDER CONSTRUCTION BUILDING (G+4)

DWG. TITLE :
DEWATERING EFFECT LAYOUT

PLOT NO:-	MULK: 619 GOV: 550/A	BLOCK:- AL NABAA	
DESIGNED BY:- M.H	COORDINATED BY:- M.H	APPROVED BY:- M.H	DRAWING NO. :-
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 11-2022	JOB NO. :-



SECTION A OF DRAWDOWN



SECTION B OF DRAWDOWN



MATERIAL PROPERTIES :
* CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
* STEEL SHOULD BE USED HIGH GRADE DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2
(Fcu = 40 N/mm2 , Fy = 460 N/mm2)

- GENERAL NOTES :
- DO NOT SCALE FROM DRAWING.
 - ALL DIMENSIONS TO BE VERIFIED ON SITE
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
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SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

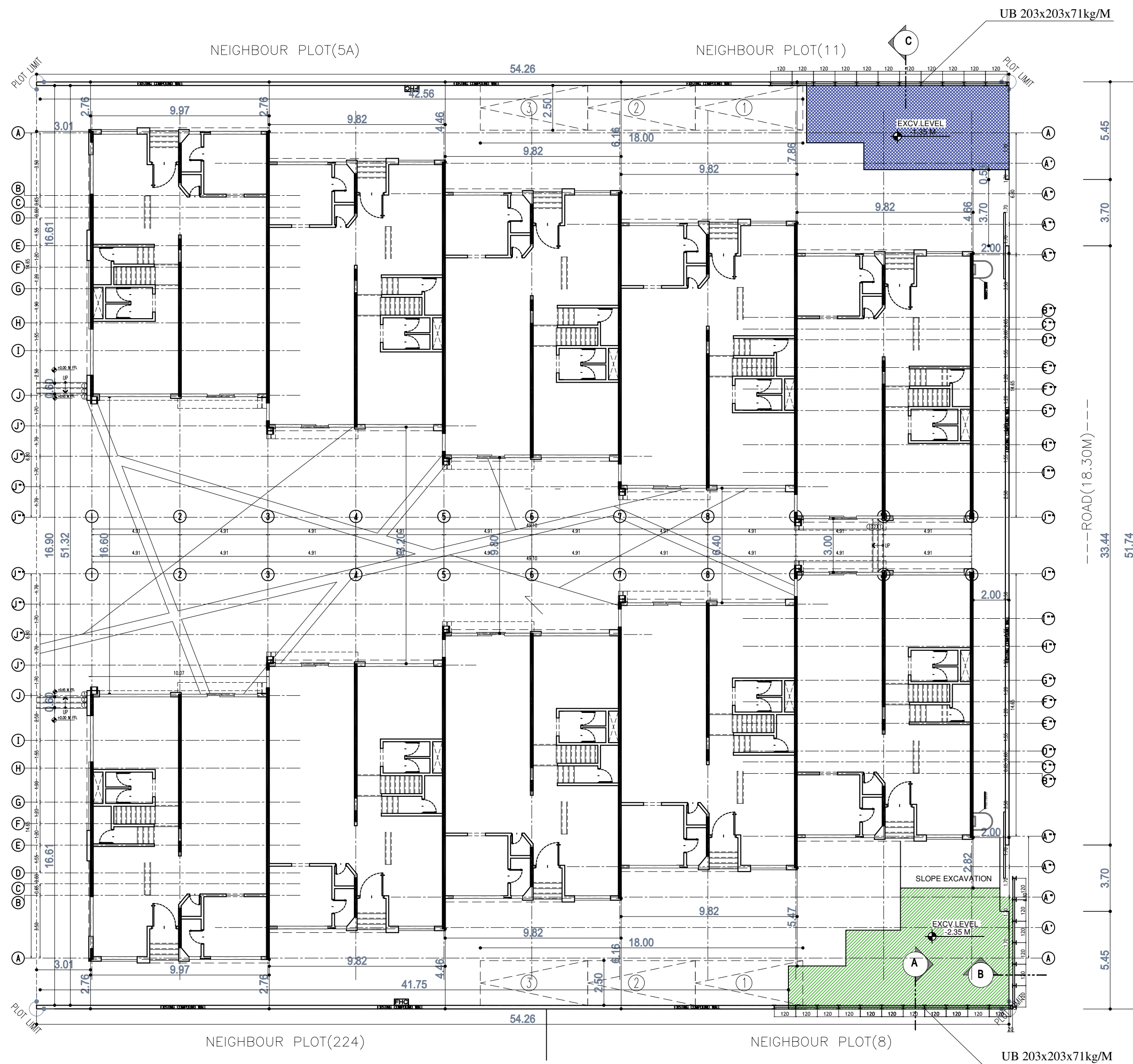
NO.	DATE	ENG.	REVISION
DESIGN CONSULTANT:			
TEL : +971 6 5737979		FAX : +971 6 5737779	
P.O.BOX : 1388, SHARJAH , UAE		EMAIL : investment.shj@gmail.com	
www.investmentengineering.ae			

CLIENT'S :-
FARIDA ABDULLA WIFE OF
ABDULAZIZ ABDULRAHIM MOHAMMED ALZAROONI

PROJECT TITLE :-
UNDER CONSTRUCTION BUILDING (G+4)

DWG. TITLE :
DEWATERING DRAWDOWN SECTIONS

PLOT NO:-	MULK: 619 GOV: 550/A	BLOCK:- AL NABAA	
DESIGNED BY:- M.H	CORDINATED BY:-	APPROVED BY:- M.H	DRAWING NO. :-
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 11-2022	JOB NO. :-

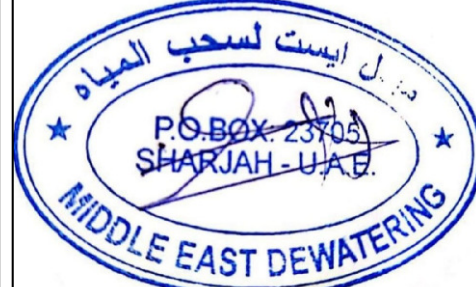


UB 203x203x71kg/M



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2. DO NOT SCALE THIS DRAWING.
3. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL, STRUCTURAL AND SERVICES I.D. LANDSCAPING DRAWINGS.
4. PREPARE WORKING DRAWINGS AND CONTRACT DOCUMENTS.
5. PREPARE WORKING DETAILED DRAWING FOR APPROVAL IF REQUIRED BY CONSULTANT.
6. VERIFY ALL DIMENSIONS PRIOR TO EXECUTION.
7. THE CONTRACTOR AND HIS SUB-CONTRACTORS ARE TO VERIFY ALL DIMENSIONS ON SITE BEFORE MAKING ANY SHOP DRAWINGS AND BEFORE EXECUTING THE WORKS.
8. ANY DISCREPANCIES EITHER BETWEEN WRITTEN DIMENSIONS OR SHOP DRAWINGS AND CONTRACT DOCUMENTS OR SUPPLIERS DRAWING SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF ALL CONCERNED PERSONS IMMEDIATELY.
9. FOR ELEMENTS WITH INDICATIVE DESIGN, THE CONTRACTOR(S) SHALL PREPARE CONSTRUCTION DETAILS FOR CONSULTANT APPROVAL PRIOR TO EXECUTION OF WORKS.

IMPORTANT NOTE :
THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS CONTAINED IN TENDER AND CONTRACT DOCUMENTS AND CONTRACT DOCUMENTS. ANY DISCREPANCY OR CONTRADICTION TO DRAWINGS AND SPECIFICATIONS IN HIS LUMP SUM TENDER PRICE AND THE PRICED B.O.Q., THE WORK SHALL BE EXECUTED ACCORDINGLY IN



REV.	DESCRIPTION	DATE
0	FOR MUNICIPALITY	25-08-2022
...		
...		

CLIENT:
DAMAS REAL ESTATE(SHARJAH BRANCH)
LLC

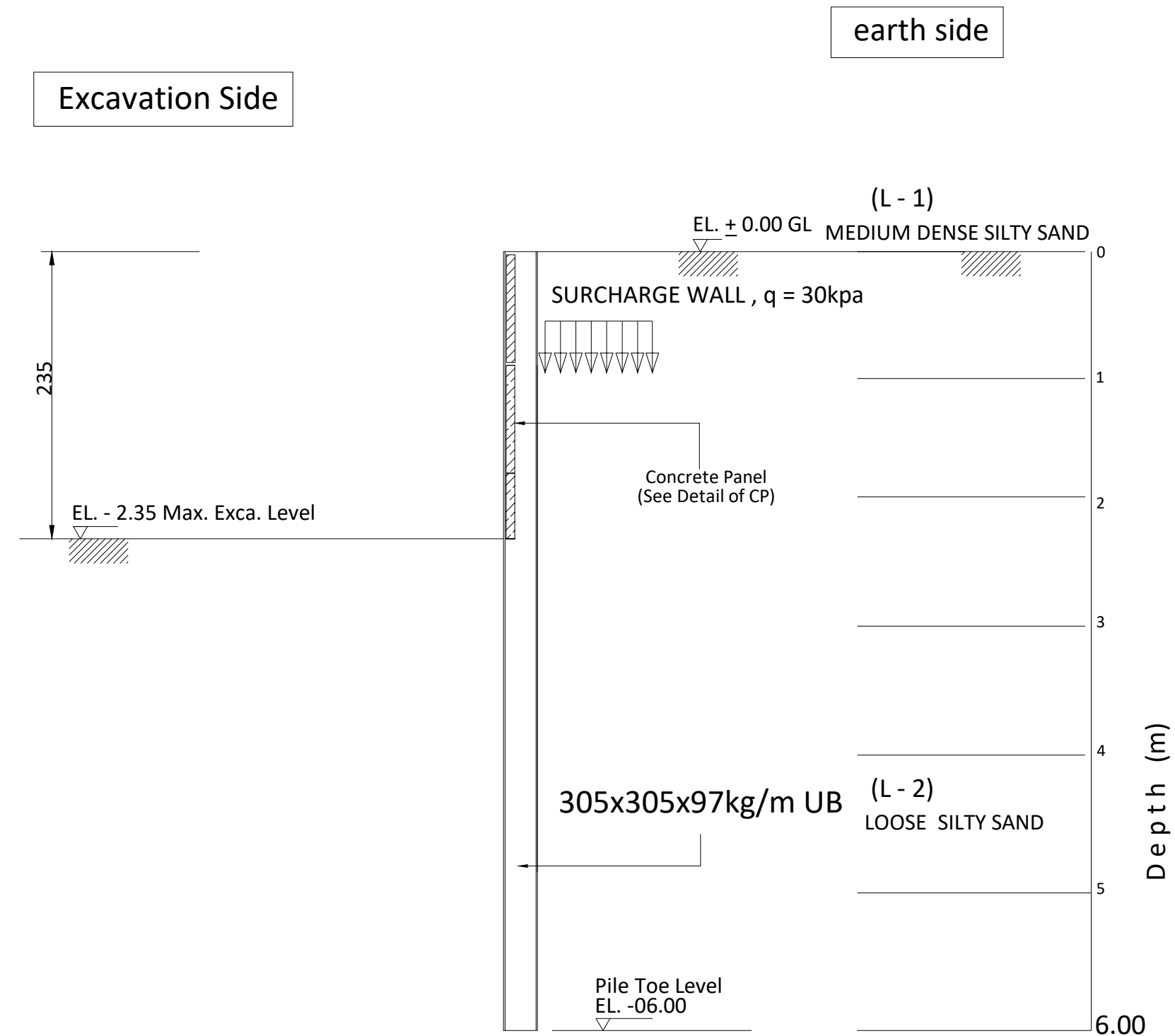
LOCATION	BLOCK NAME	PLOT NO
AL-FISHT DAHEYAT AL HAYRA		3,4,9,10

DRAWING TITLE:

SHORING LAYOUT PLAN

JOB NO:	DWG NO:	REV.NO.
---	S-05	

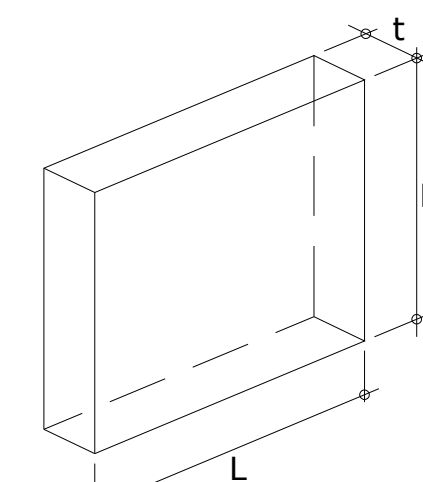
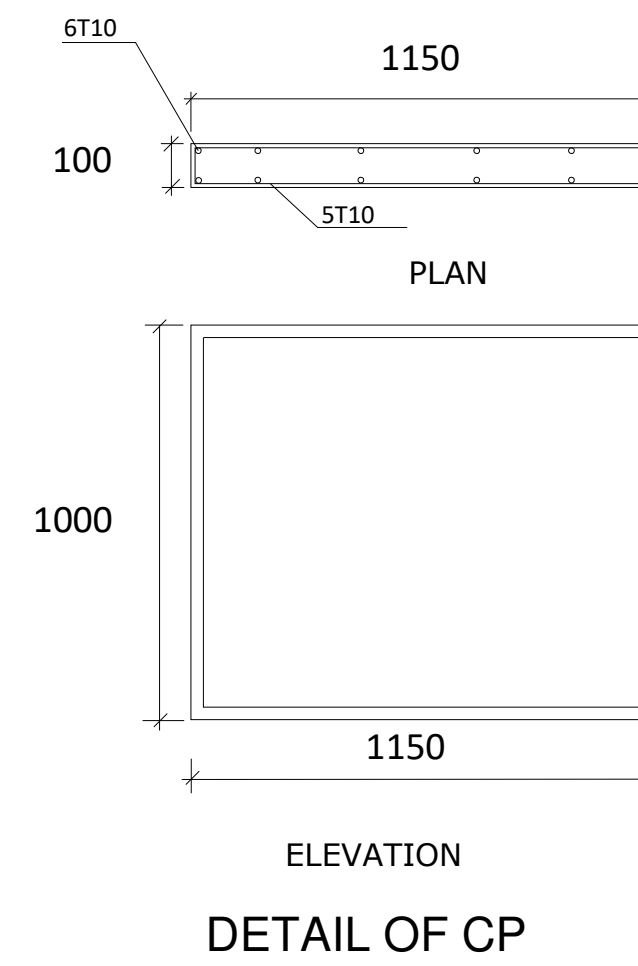
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SECTION A - A

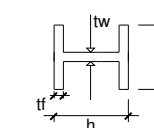
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



ISOMETRIC
DETAIL OF CP

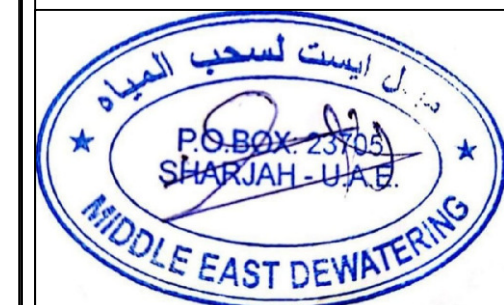
SECTION PROPERTIES



H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



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 - FOR ELEMENTS WITH INDICATIVE DESIGN, THE CONTRACTOR(S) SHALL PREPARE CONSTRUCTION DETAILS FOR CONSULTANT APPROVAL PRIOR TO EXECUTION OF WORKS.
- IMPORTANT NOTE :
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SUB CONTRACTOR :
MIDDLE EAST DEWATERING & FOUNDATION
L.L.C

REV.	DESCRIPTION	DATE
0	FOR MUNICIPALITY	25-08-2022
...	...	...
...	...	...

THIS DRAWING IS ISSUED FOR:

☐ CLIENT REVIEW / APPROVAL	☐ TOWN PLANNING
☐ COORDINATION	☐ SEWA
☐ TENDER	☐ ETISALAT
☐ CONSTRUCTION	☐ CIVIL DEFENSE
☐ AUTHORITY	☒ MUNICIPALITY

CLIENT:
DAMAS REAL ESTATE (SHARJAH BRANCH)
LLC

CONSULTANT



LOCATION	BLOCK NAME	PLOT NO
AL - FISHT DAHEYAT AL HAYRA		3, 4, 9, 10

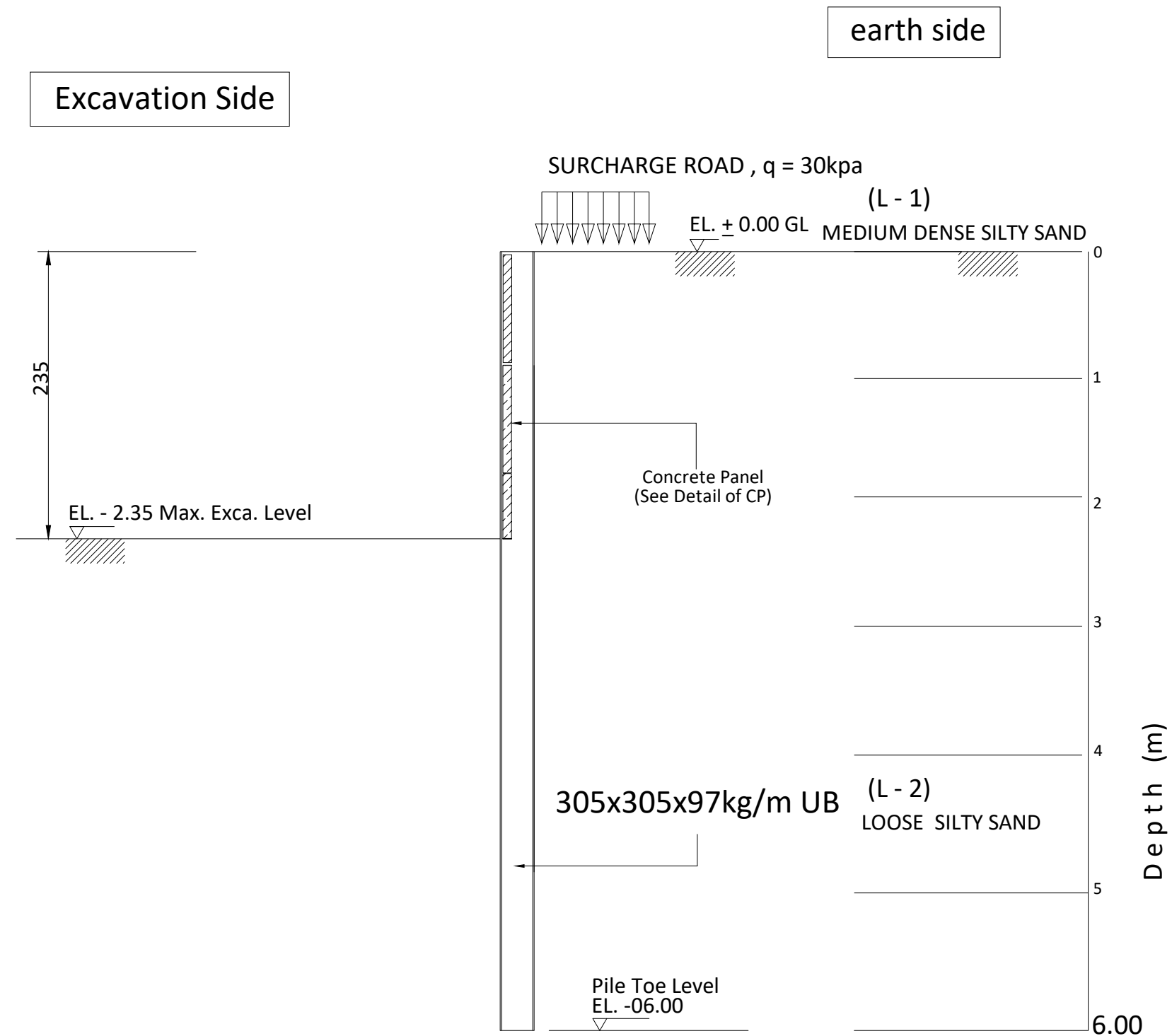
PROJECT :
MODIFICATION OF 2 NO.S OF
G+1 VILLAS (HOTEL) TO RESTAURANTS
+ PROPOSED : 2 G SERVICE BLOCKS
+ CAR PARKING + BOUNDARY WALL

DRAWING TITLE:
SHORING SECTION A-A

DESIGN ARCH.		CHECKED BY
PROJECT ARCH.		KHALID
STRUC.	KHALID	SCALE:
MEP		
DRAWN	M. RASHID	

JOB NO:	DWG NO:	REV. NO.
---	S-05	

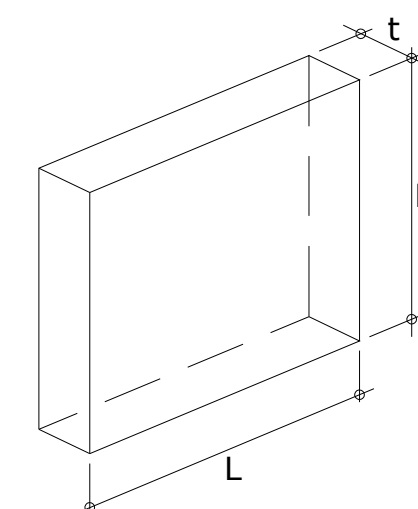
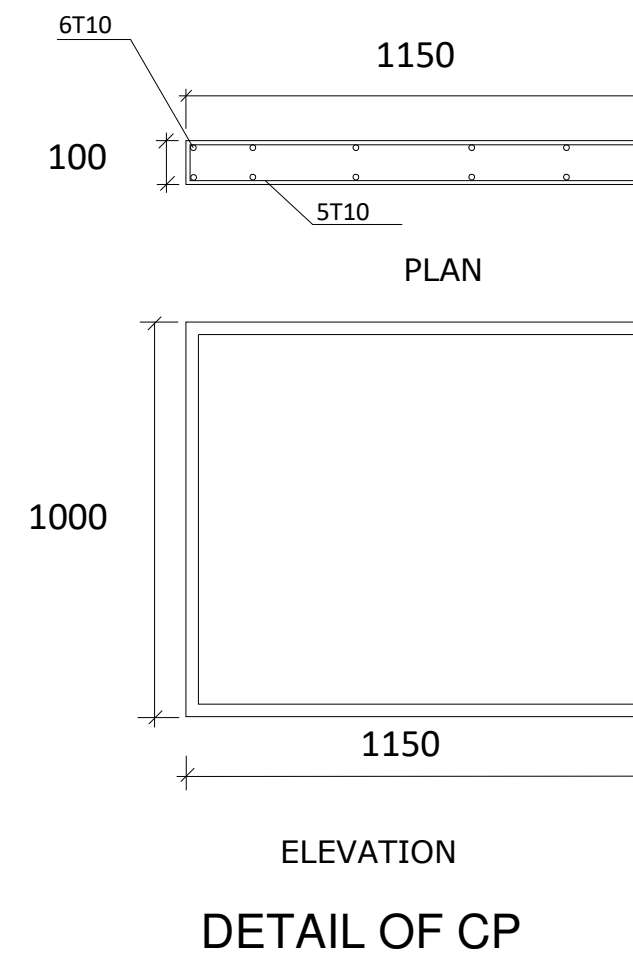
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SECTION B - B

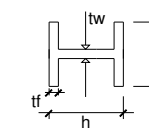
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



ISOMETRIC
DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



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SUB CONTRACTOR :
MIDDLE EAST DEWATERING & FOUNDATION
L.L.C

REV.	DESCRIPTION	DATE
0	FOR MUNICIPALITY	25-08-2022
...	...	...
...	...	...

THIS DRAWING IS ISSUED FOR:

☐ CLIENT REVIEW / APPROVAL	☐ TOWN PLANNING
☐ COORDINATION	☐ SEWA
☐ TENDER	☐ ETISALAT
☐ CONSTRUCTION	☐ CIVIL DEFENSE
☐ AUTHORITY	☒ MUNICIPALITY

CLIENT:
DAMAS REAL ESTATE (SHARJAH BRANCH)
LLC

CONSULTANT



LOCATION	BLOCK NAME	PLOT NO
AL - FISHT DAHEYAT AL HAYRA		3, 4, 9, 10

PROJECT:
MODIFICATION OF 2 NO.S OF
G+1 VILLAS (HOTEL) TO RESTAURANTS
+ PROPOSED: 2 G SERVICE BLOCKS
+ CAR PARKING + BOUNDARY WALL

DRAWING TITLE:

SHORING SECTION B-B

DESIGN ARCH.		CHECKED BY
PROJECT ARCH.		KHALID
STRUC.	KHALID	SCALE:
MEP		
DRAWN	M. RASHID	

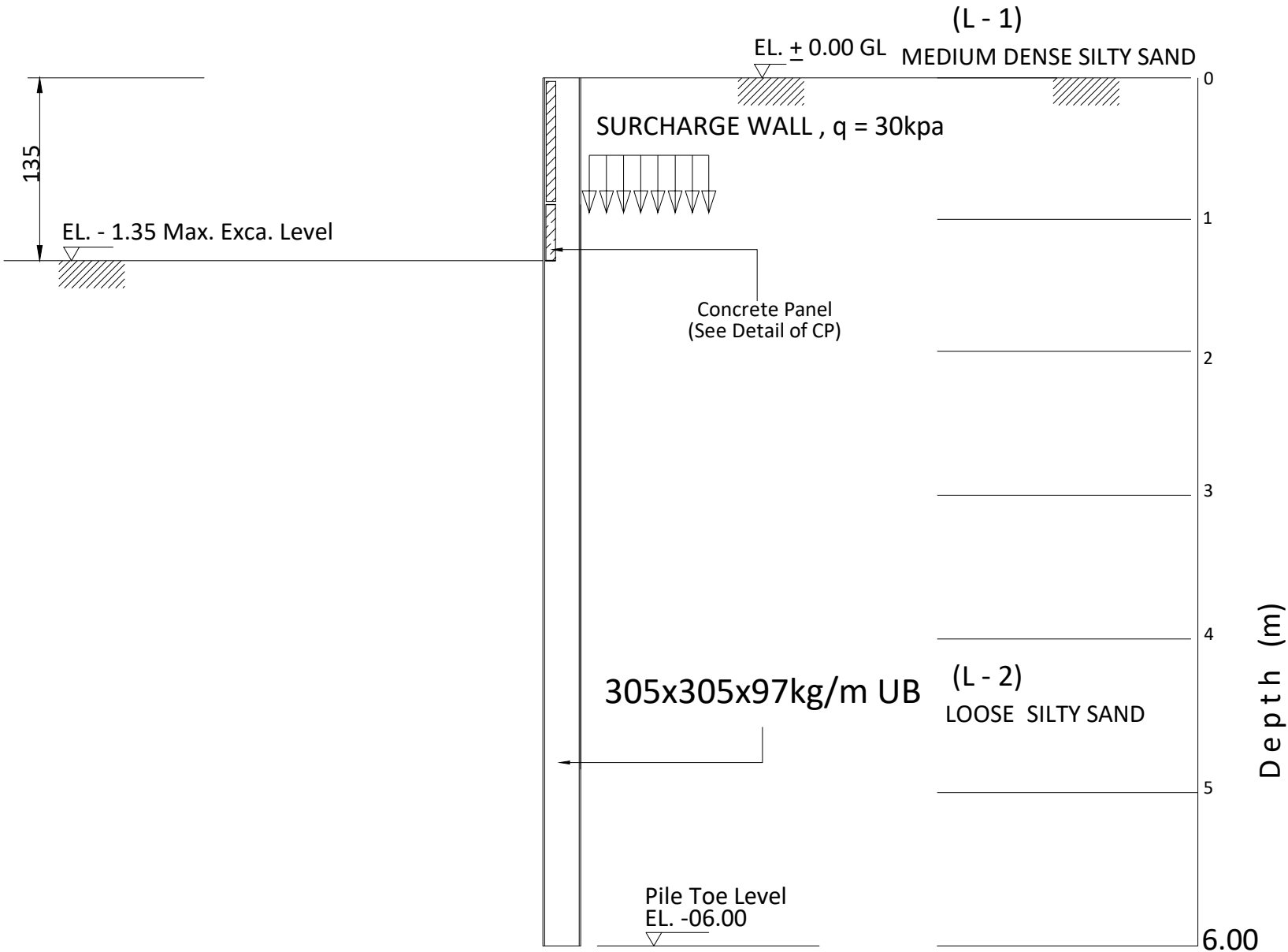
JOB NO:	DWG NO:	REV. NO.
---	S-05	

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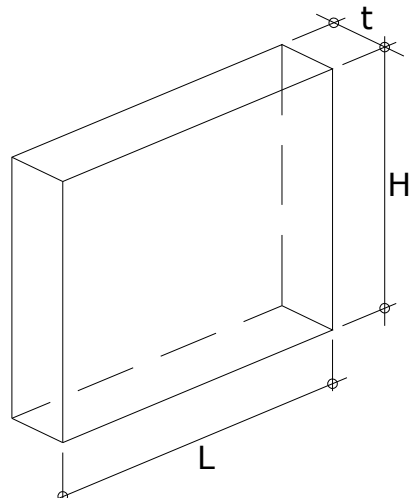
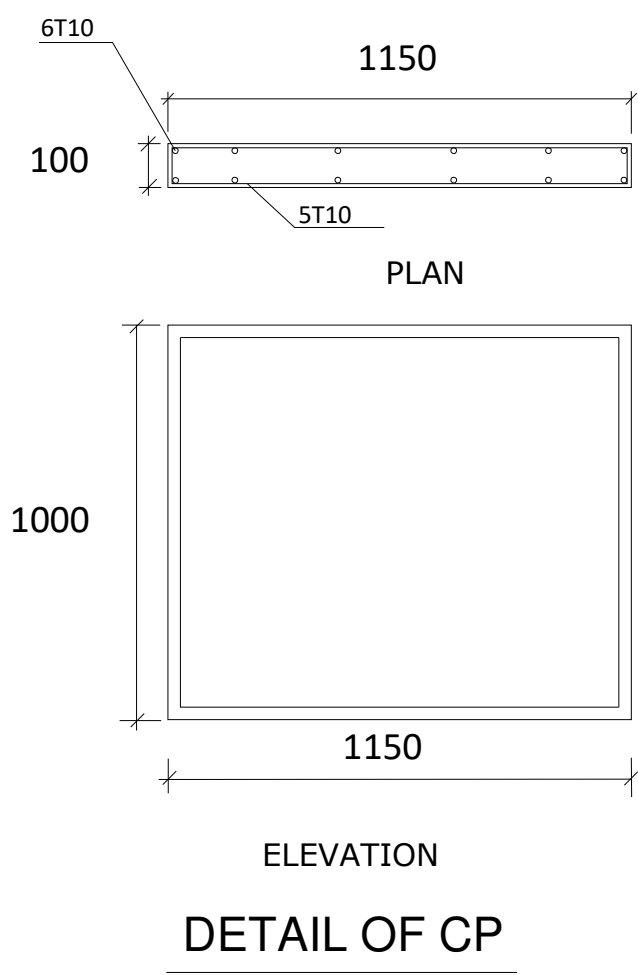
Excavation Side

earth side



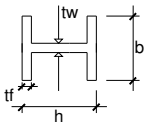
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



ISOMETRIC
DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	

SECTION C - C

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SUB CONTRACTOR :
MIDDLE EAST DEWATERING & FOUNDATION
L.L.C

REV.	DESCRIPTION	DATE
0	FOR MUNICIPALITY	25-08-2022
...	...	...
...	...	...

THIS DRAWING IS ISSUED FOR:

☐ CLIENT REVIEW / APPROVAL	☐ TOWN PLANNING
☐ COORDINATION	☐ SEWA
☐ TENDER	☐ ETISALAT
☐ CONSTRUCTION	☐ CIVIL DEFENSE
☐ AUTHORITY	☒ MUNICIPALITY

CLIENT:
DAMAS REAL ESTATE (SHARJAH BRANCH)
LLC



LOCATION	BLOCK NAME	PLOT NO
AL - FISHT DAHEYAT AL HAYRA		3, 4, 9, 10

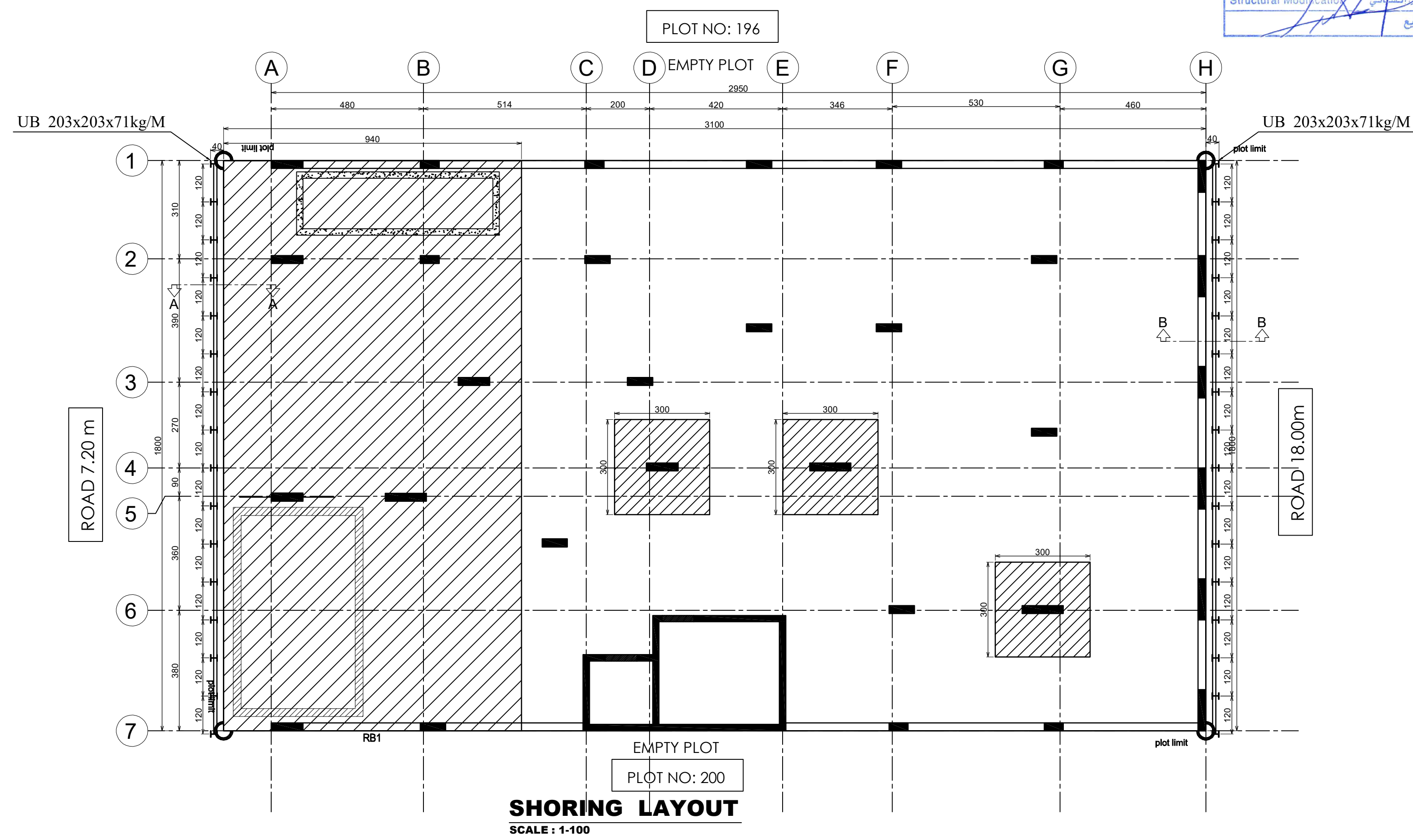
PROJECT :
MODIFICATION OF 2 NO.S OF
G+1 VILLAS (HOTEL) TO RESTAURANTS
+ PROPOSED : 2 G SERVICE BLOCKS
+ CAR PARKING + BOUNDARY WALL

DRAWING TITLE:
SHORING SECTION C-C

DESIGN ARCH.		CHECKED BY
PROJECT ARCH.		KHALID
STRUC.	KHALID	SCALE:
MEP		
DRAWN	M. RASHID	

JOB NO:	DWG NO:	REV. NO.
---	S-05	

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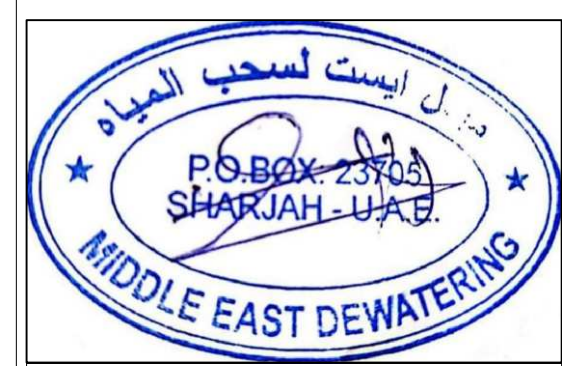
قطاع الهندسة والمباني
إدارة تراخيص البناء
21/06/2023
تعديل انشائي
التوقيع

GENERAL NOTES:-

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NOTES:

- ALL EXTERNAL WALLS ARE THERMAL BLOCK INSULATION
- ALL WINDOWS ARE DOUBLE GLAZING
- +0.00 IS STREET LEVEL
- ALL WINDOW & BALCONY DOORS SHOULD BE EQUIPPED WITH WINDOW OPENING CONTROL DEVICE (W.O.C.D) TO HAVE MAXIMUM OPENING LIMIT OF 10 CM TO HELP IN THE PREVENTION OF ACCIDENTAL FALLS FROM WINDOWS & BALCONIES BY CHILDREN AS PER SHARJAH MUNICIPALITY REGULATIONS.



SUB CONTRACTOR :
MIDDLE EAST DEWATEIRNG & FOUNDATION L.L.C



CLIENT NAME:
**Muna Ahmed
Mohammed Al Maaini**

PROPOSED PROJECT:
**PROPOSED BUILDING
(G+1)**

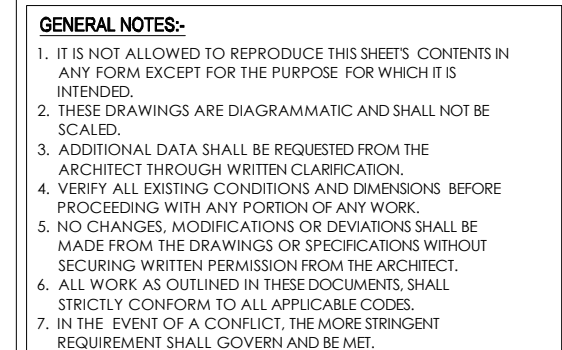
PROJECT LOCATION:
HOSHI

GOV. NO.: 197 MULK PLOT NO.: 198

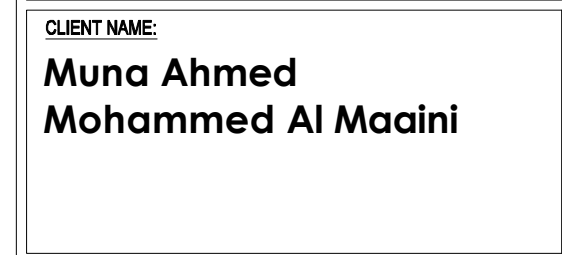
SHEET CONTENT:
SHORING LAYOUT

HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY REVIT	
STRUCT. DESIGNED BY			
ELEC. DESIGNED BY			
SERVICES DESIGNED BY		MUN. CREATED BY REVIT	
Project NUMBER: 3749		DRAWING NUMBER: S-04	
DATE 21-Apr-23		SCALE 1 : 100	REF. NO.
NO.	DATE	REVISIONS	

الشارقة للاستشارات الهندسية ذ م م
SHARJAH ENG. CONSULTANTS L.L.C
مخططات هندسية



1. ALL EXTERNAL WALLS ARE THERMAL BLOCK INSULATION
2. ALL WINDOWS ARE DOUBLE GLAZING
3. +0.00 IS STREET LEVEL
4. ALL WINDOW & BALCONY DOORS SHOULD BE EQUIPPED WITH WINDOW OPENING CONTROL DEVICE (W.O.C.D) TO HAVE MAXIMUM OPENING LIMIT OF 10 CM TO HELP IN THE PREVENTION OF ACCIDENTAL FALLS FROM WINDOWS & BALCONIES BY CHILDREN AS PER SHARJAH MUNICIPALITY REGULATIONS.



PROPOSED PROJECT:
PROPOSED BUILDING
(G+1)

PROJECT LOCATION:
HOSHI

<u>GOV. NO.: 197 MULK</u>	<u>PLOT NO.: 198</u>
---------------------------	----------------------

SHEET CONTENT:
RAFT FOUNDATION
LAYOUT

HEAD OF DESIGN SECTION	HEAD OF ENGINEERING SECTION
ARCH. DESIGNED BY	T. P. CREATED BY REVIT
STRUCT. DESIGNED BY	
ELEC. DESIGNED BY	MUN. CREATED BY REVIT
SERVICES DESIGNED BY	

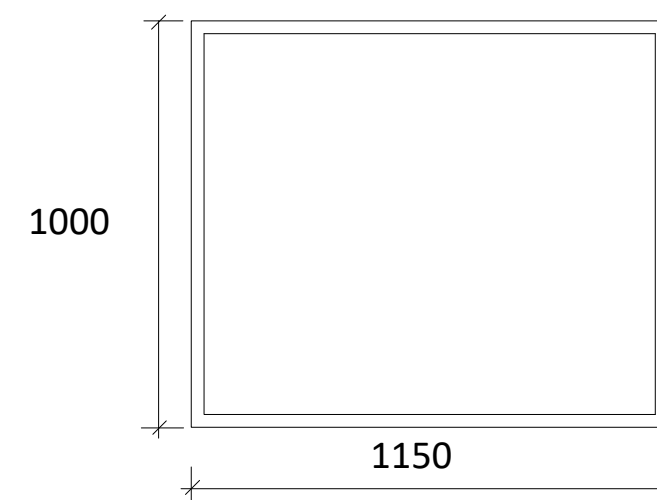
Project NUMBER: 3749	DRAWING NUMBER: S-04
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DATE 21-Apr-23	SCALE 1 : 100	REF. NO.
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NO.	DATE	REVISIONS

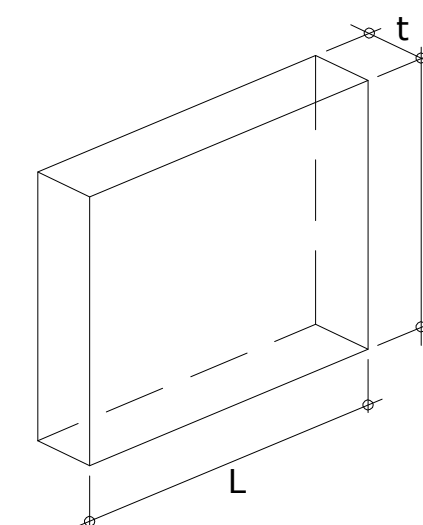


THK(mm)	SECTION			REMARKS
100	1000x1150			



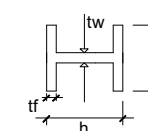
ELEVATION

DETAIL OF CP



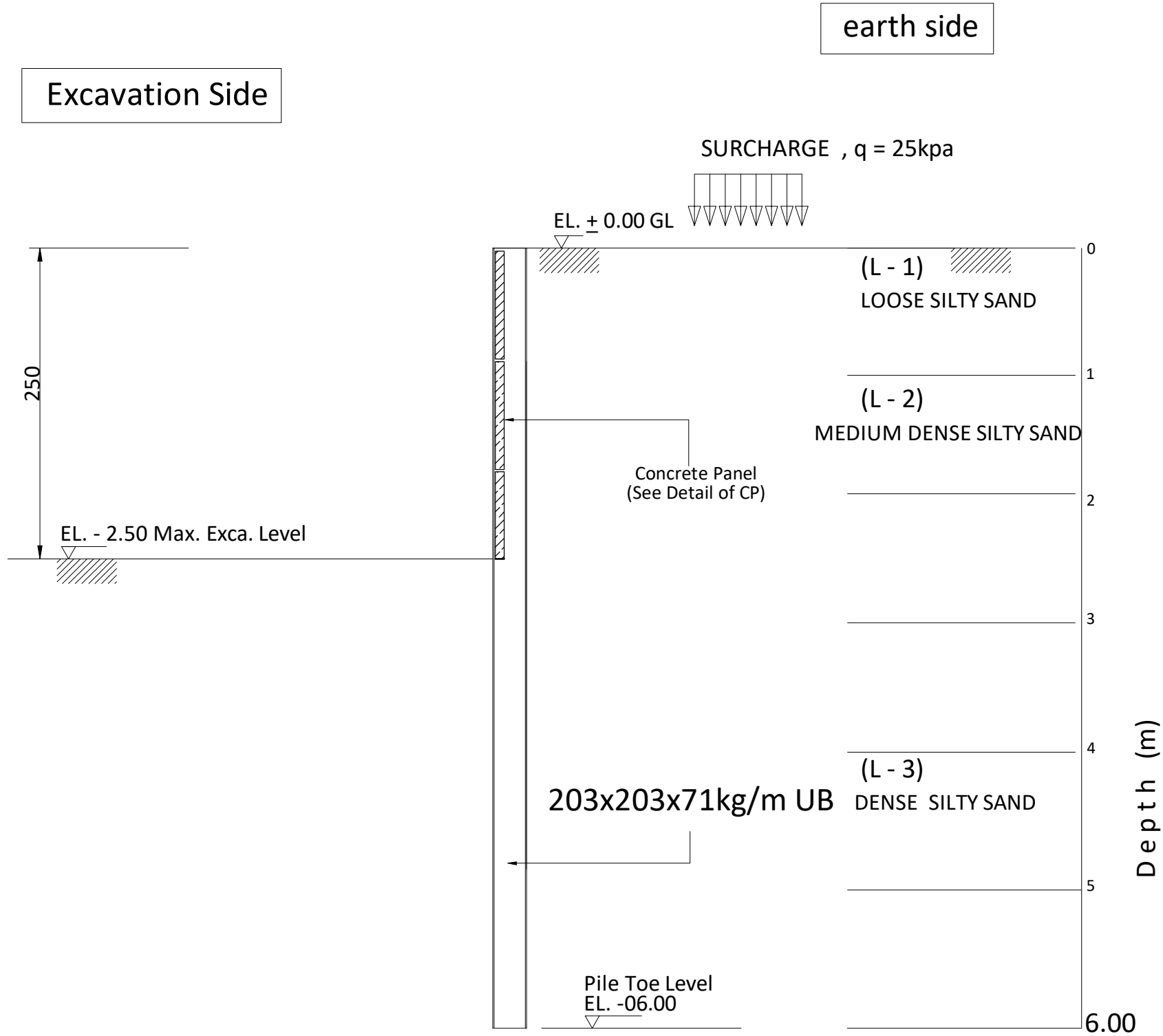
ISOMETRIC

DETAIL OF CP



		
H-BEAM L = 07.00m Fy = 275 N/mm ²		
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,t _f (mm)	17.3	
WEB,t _w (mm)	10	
MODULUS, Z _x		
PLASTIC (cm ³)	706	

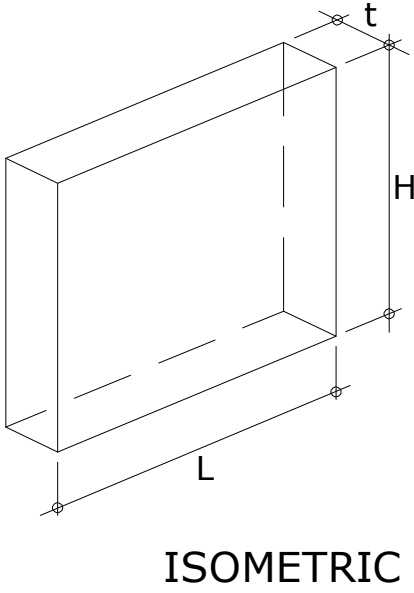
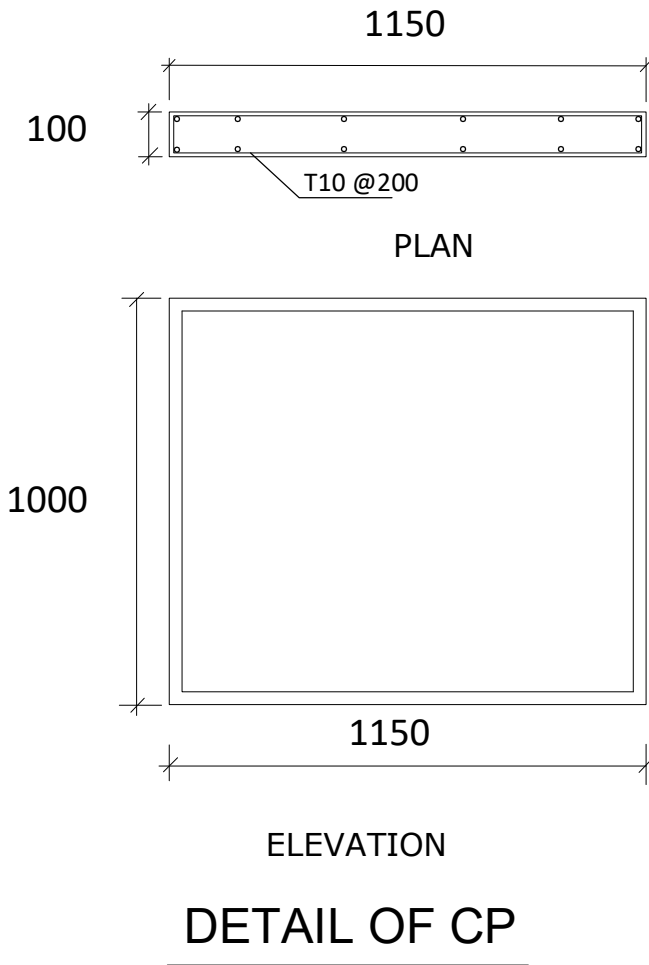




SECTION B - B

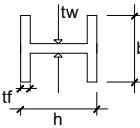
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



DETAIL OF CP

SECTION PROPERTIES

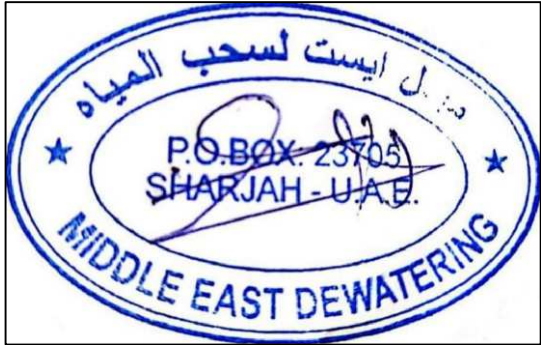


H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



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SUB CONTRACTOR :
MIDDLE EAST DEWATEIRNG & FOUNDATION L.L.C



CLIENT NAME:
**Muna Ahmed
Mohammed Al Maaini**

PROPOSED PROJECT:
**PROPOSED BUILDING
(G+1)**

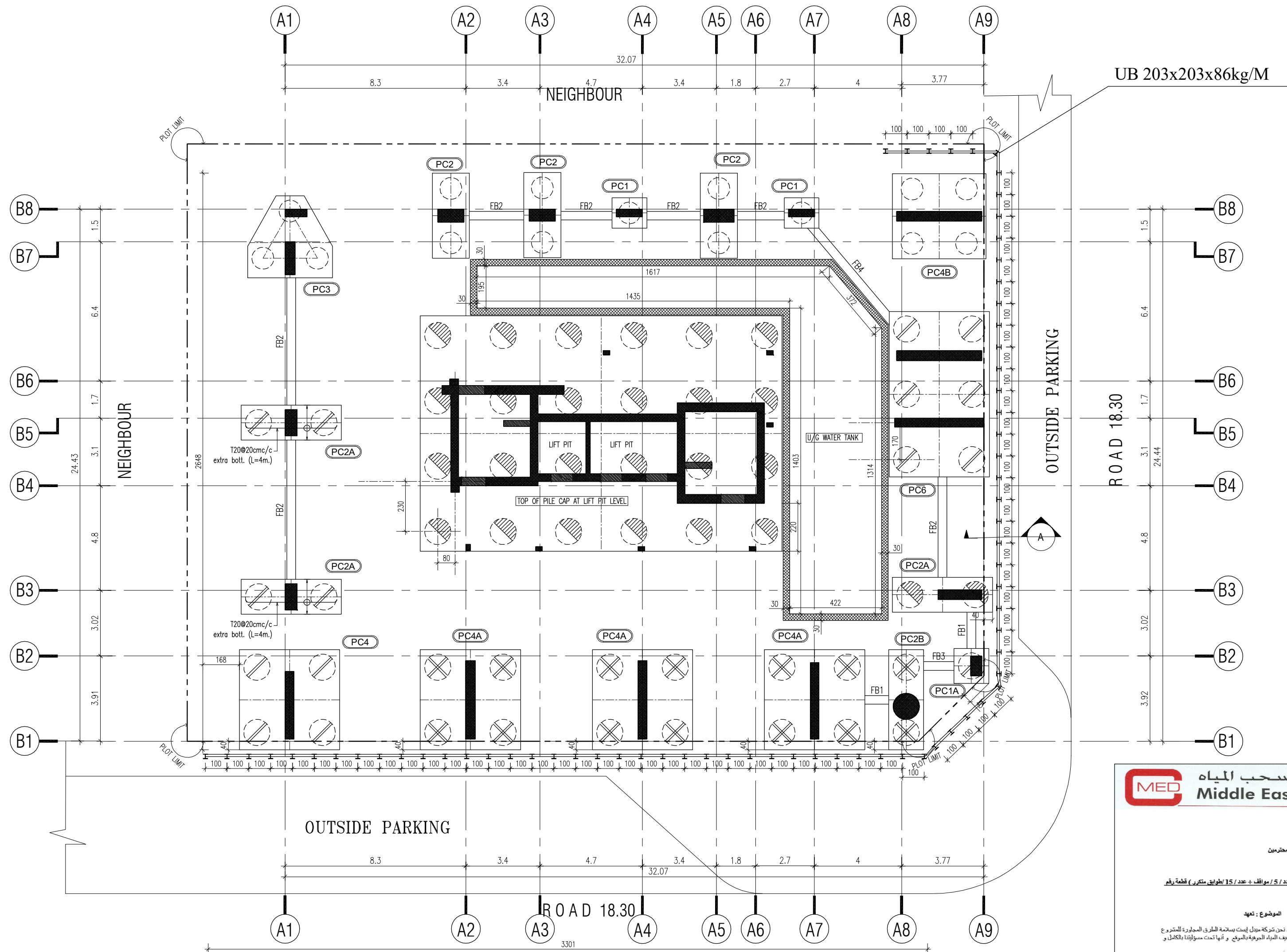
PROJECT LOCATION:
HOSHI

GOV. NO.: 197 MULK

PLOT NO.: 198

SHEET CONTENT:
**RAFT FOUNDATION
LAYOUT**

HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY	REVIT
STRUCT. DESIGNED BY			
ELEC. DESIGNED BY		MUN. CREATED BY	REVIT
SERVICES DESIGNED BY			
Project NUMBER: 3749	DRAWING NUMBER: S-04		
DATE 21-Apr-23	SCALE 1 : 100	REF. NO.	
NO.	DATE	REVISIONS	



SHORING LAYOUT

MED Middle East Dewatering

التاريخ : 2023/03/14
المحترمين
السادة / بلدية الشارقة
تحية طيبة وبعد
المشروع : إنشاء تجارية (أرض) عدد : 5 / موقوف : 15 / بطاقتين مكتبري / قطعة رقم : 877 - المجلد : 3 - الشارقة
الموضوع : تعهيد
والإشارة إلى المشروع أعلاه ، فتمهيد نحن شركة ميدل إيست ديموليشن الطرق المعمورة للمشروع
تقديمه أعمالاً بناءً على مبادئ العمل والتعهد بالقيام بالخدمة المطلوبة ، وفيما تحت مسؤوليتنا الكامل ، و
إستخدام بيزنسناز لمراعاة القوانين



Tel: 04-2369962, Fax: 04-2369964, Mob: 050-3093519, 050-6464745
P.O. Box 113408, Dubai / Abu Dhabi - U.A.E., E-mail: coo@middleeastdewatering.com



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(2) THIS DRAWING IS NOT TO BE SCALED. WRITTEN DIMENSIONS
ONLY ARE TO BE CONSIDERED.
(3) ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION
OF THE ENGINEER AND RESOLVED BEFORE COMMENCEMENT
OF ANY WORK.



REVISION :		
07		
06		
05		
04		
03		
02		
01		
NO.	DATE	REVISED
		APPROVED

S.CONTRACTOR
MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

PROJECT
PROPOSED BUILDING
(G+5P+15 TYP.) FLOORS

CLIENT
RUQAYYA FAWZI ALALAMI & CO.

TITLE
SHORING LAYOUT

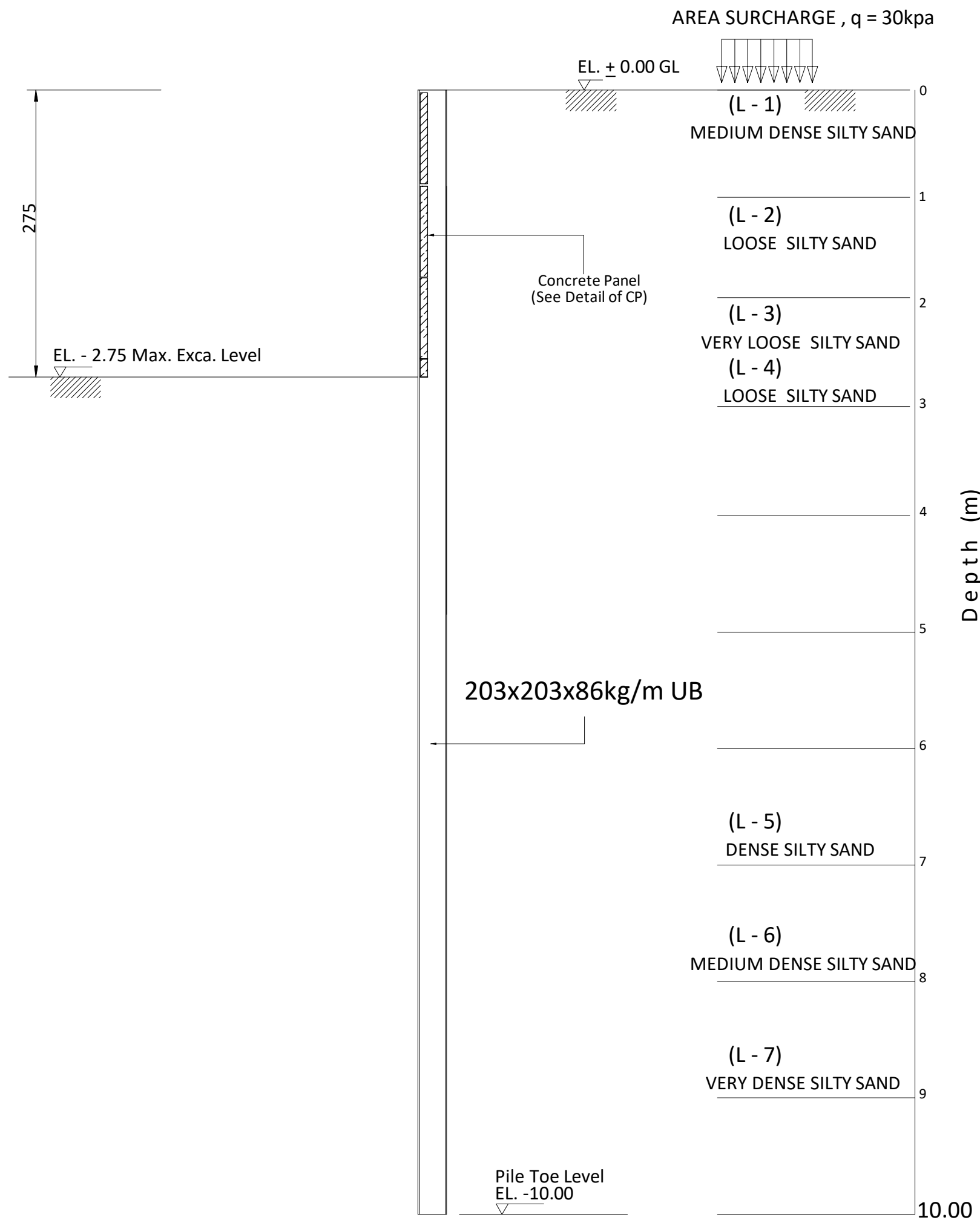
المهندس عدنان سافاريني
ENG. ADNAN SAFFARINI
DESIGN, SUPERVISION, & CONSULT
HEAD OFFICE : POST BOX - 4000 DUBAI - 04-2222002
ABU DHABI: 02-6260501 SHJ: 06-5733100 ALAIN: 03-7668970

ARCHITECT		REG.NO	
STRUCTURE ENG.		REG.NO	
ELECTRICAL ENG.		SIGN	
MECH. ENG.		SIGN	
DESIGN / CAD BY	E. MAHMOOD.H	DATE	11 JAN 2023
CHECKED BY:		DATE	

SHEET	EMIRATES	CITY	LOCATION	PLOT NO.
A2	SHARJAH	AL MAJAZ	AL MAJAZ/3	877
SCALE :				PROJECT NO. 601

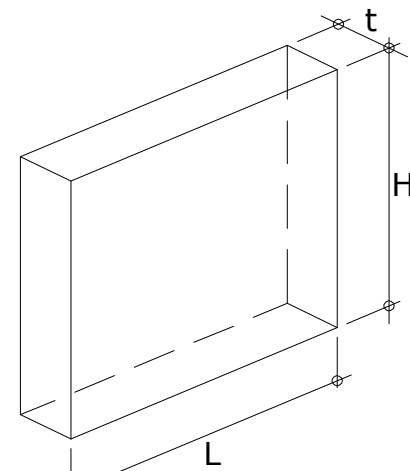
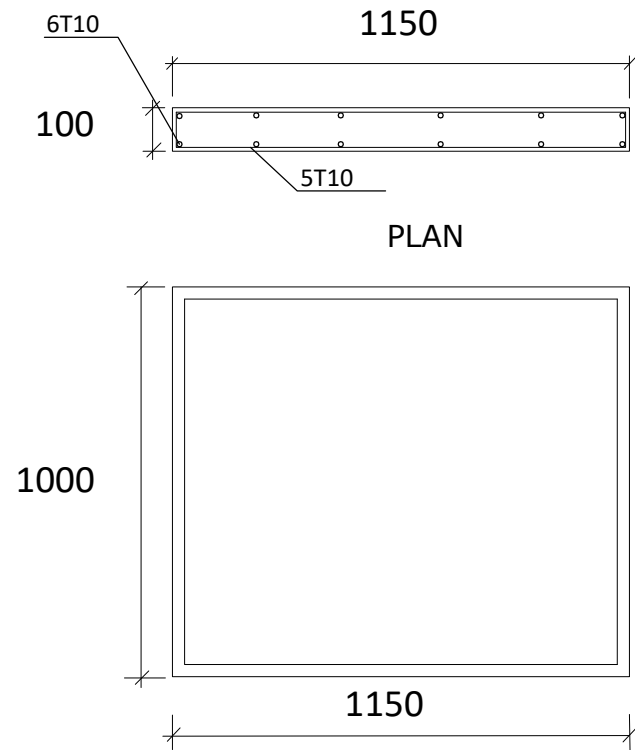
Excavation Side

earth side



SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	QTY (nos)	REMARKS
100	1000x1150		



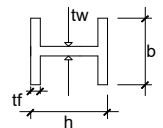
ISOMETRIC

DETAIL OF CP

DETAIL OF CP

DETAIL OF CP

SECTION PROPERTIES



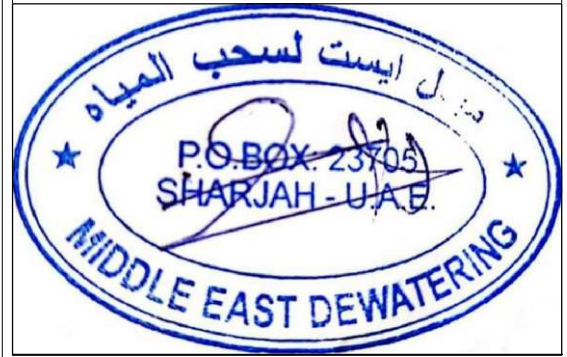
H-BEAM	L = 10.00m	Fy = 275 N/mm ²
SECTION	203x203x86kg/M	
MASS (kg/m)	86.1	
DEPTH,h (mm)	222.2	
WIDTH,b (mm)	209.1	
FLANGE,tf (mm)	20.5	
WEB,tw (mm)	12.7	
MODULUS, Zx		
PLASTIC (cm ³)	850	

SECTION A - A



GENERAL NOTE

- (1) THIS DRAWING IS THE PROPERTY OF :
ENG. ADNAN SAFFARINI OFFICE P.O.BOX: 4000, DUBAI, U.A.E
IT IS NOT ALLOWED TO REPRODUCE ITS CONTENTS IN ANY
FORM EXCEPT FOR THE PURPOSE FOR WHICH IT IS INTENDED.
- (2) THIS DRAWING IS NOT TO BE SCALED. WRITTEN DIMENSIONS
ONLY ARE TO BE CONSIDERED.
- (3) ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION
OF THE ENGINEER AND RESOLVED BEFORE COMMENCEMENT
OF ANY WORK.



REVISION :

NO.	DATE	REVISED	APPROVED
07			
06			
05			
04			
03			
02			
01			

S.CONTRACTOR

MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

PROJECT

PROPOSED BUILDING
(G+5P+15 TYP.) FLOORS

CLIENT

RUQAYYA FAWZI ALALAMI & CO.

TITLE

SHORING SECTION DETAILS



المهندس عبدالعزیز سافارینی

ENG. ADNAN SAFFARINI

DESIGN, SUPERVISION, & CONSULT
HEAD OFFICE : POST BOX - 4000 DUBAI - 04-2222002
ABU DHABI: 02-6260501 SHJ: 06-5733100 ALAIN: 03-7668970

ARCHITECT		REG.NO	
STRUCTURE ENG.		REG.NO	
ELECTRICAL ENG.		SIGN	
MECH. ENG.		SIGN	
DESIGN / CAD BY	E. MAHMOOD.H	DATE	11 JAN 2023
CHECKED BY:		DATE	

SHEET	EMIRATES	CITY	LOCATION	PLOT NO.
A2	SHARJAH	AL MAJAZ	AL MAJAZ /3	877

SCALE :		PROJECT NO.
1 : 100		601

SURCHARGE , $q = 20\text{kpa}$

EL. ± 0.00 GL

(L - 1)
MEDIUM DENSE SILTY SAND

(L - 2)
DENSE SILTY SAND

(L - 3)
VERY LOOSE SILTY SAND

(L - 4)
VERY DENSE SILTY SAND

Concrete Panel
(See Detail of CP)

430

EL. - 4.30 Max. Exca. Level

305x305x97kg/m UB

Pile Toe Level
EL. -12.00

Depth (m)

0
1
2
3
4
5
6
7
8
9
10
11
12.00

SURCHARGE , $q = 20\text{kpa}$

EL. + 0.00 GL

x305x97kg/m UB

Pile Toe Level
EL. -12.00

SECTION A - A

THK(mm)	SECTION			REMARKS
100	1000x1150			

1150

100

T10 @ 200

PLAN

1000

1150

ELEVATION

DETAIL OF CP

A 3D perspective diagram of a rectangular plate. The length of the plate is labeled as L along the bottom edge. The thickness of the plate is labeled as t along the right edge. The plate is shown in a perspective view, with dashed lines indicating the internal structure and the bottom edge.

ISOMETRIC
DETAIL OF CP

H-BEAM	L = 12.00m
--------	------------

SECTION	305x305x97kg/M
---------	----------------

MASS (kg/m)	96.9
DEPTH,h (mm)	307.9
WIDTH,b (mm)	305.3
FLANGE,tf (mm)	15.4
WEB,tw (mm)	9.9
MODULUS, Zx	
PLASTIC (cm ³)	1445

SUB CONSULTANTS :		A ARCHITECT OF RECORD : P. O. BOX 69495, DUBLIN, IRLAND T : +353 1 844 2030 F : +353 1 844 2030 C CIVIL CONSULTANT : P. O. BOX 69495, DUBLIN, IRLAND T : +353 1 844 2030 F : +353 1 844 2030 I INTERIOR DESIGN CONSULTANT : P. O. BOX 69495, DUBLIN, IRLAND T : +353 1 844 2030 F : +353 1 844 2030 S STRUCTURAL CONSULTANT : P. O. BOX 69495, DUBLIN, IRLAND T : +353 1 844 2030 F : +353 1 844 2030
-------------------	--	---

KEY PLAN / AUTHORITY STAMP :



SUB CONTRACTOR :

**MIDDLE EAST DEWATERING
& FOUNDATION L.L.C**

00	ISSUE FOR MUNICIPALITY	13-APR-20
NO.	DESCRIPTION	DATE

CONSULTANT:



CLIENT :

Abdulla Ali Hamad Obaid Al-Shamsi & Ali
Hamad Obaid Al-Shamsi

PROJECT TITLE :

PROPOSED B+G+3 RESIDENTIAL
BUILDING

LOCATION : MUWEILAH, SHARJAH, UAE.

ZONE :	SHARJAH	PLOT NO :	2794-2796
PROJECT ID :	11-001	PLOT AREA :	1050.00 m2
SCALE :	1 : 100 @ A1	SUBMISSION DATE :	13-APR-2023

DESIGNED BY :	DRAWN BY :	CHECKED BY :
	M.H	M.H

DRAWING TITLE :

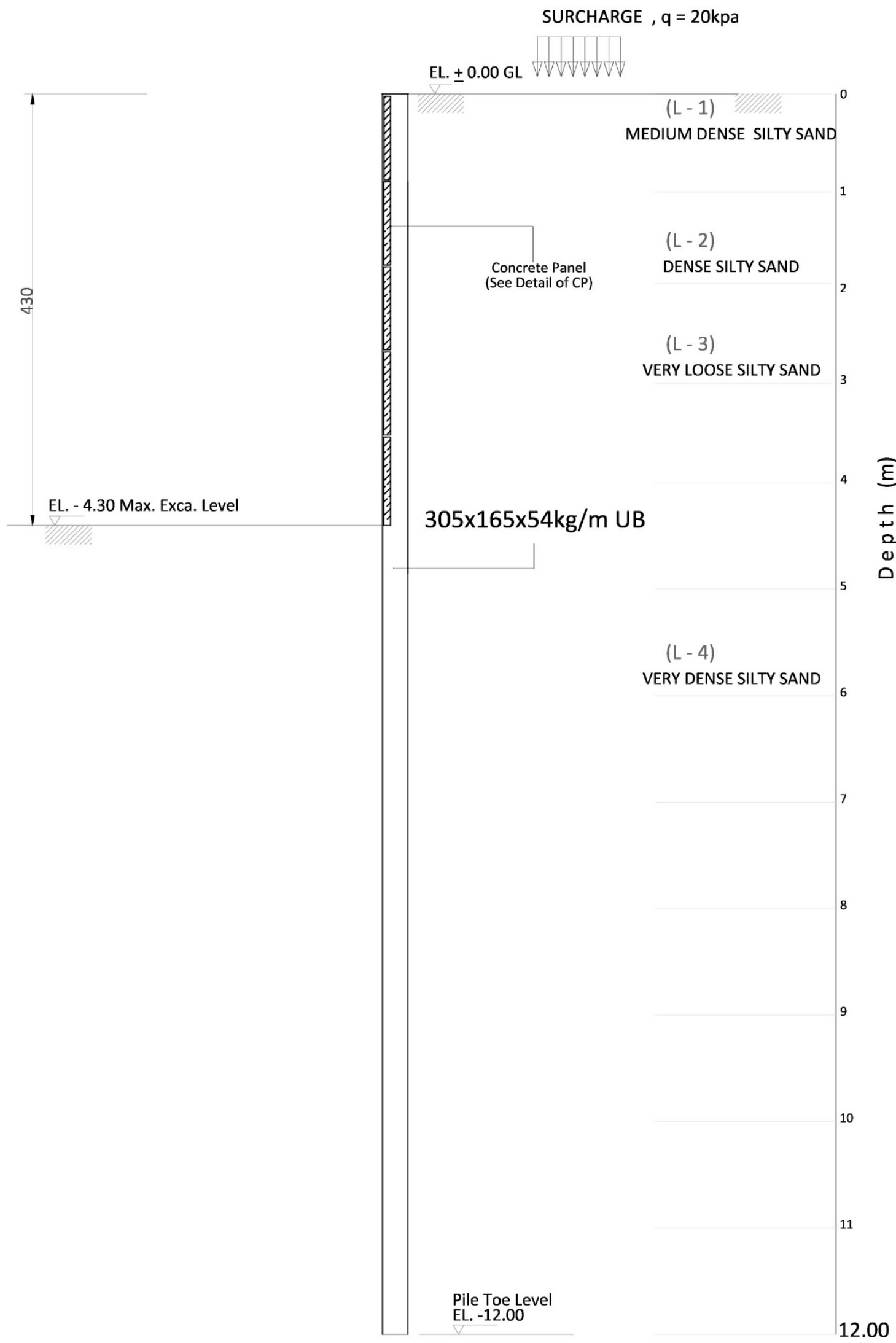
SHORING SECTION A

DRAWING NO :

REV :	00
-------	----

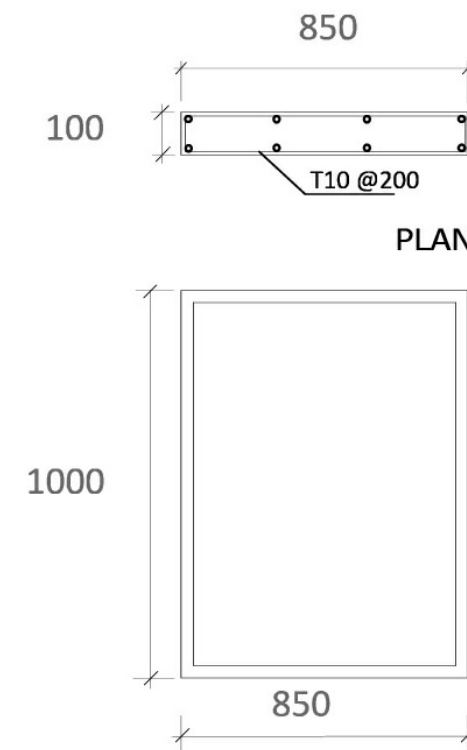
Excavation Side

earth side

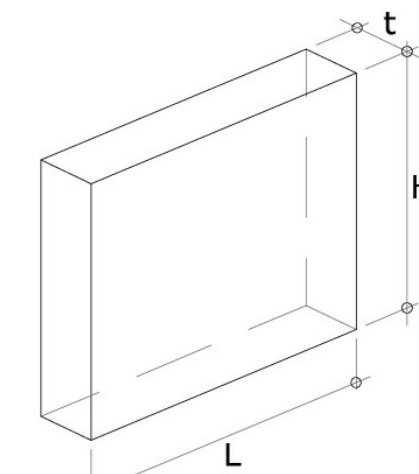


SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x850			

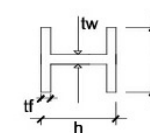


DETAIL OF CP



ISOMETRIC DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 12.00m
SECTION	305x165x54kg/M
MASS (kg/m)	54
DEPTH,h (mm)	310.4
WIDTH,b (mm)	166.9
FLANGE,tf (mm)	13.7
WEB,tw (mm)	7.9
MODULUS, Zx	
PLASTIC (cm ³)	753.6

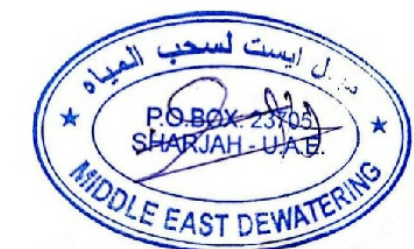
SECTION B - B

- GENERAL NOTES :
- THE DRAWINGS ARE THE PROPERTY OF SHAPE ARCHITECTURAL PRACTICE - HARBOR, SHARJAH. AND MUST NOT BE REPRODUCED, COPIED OR USED WITHOUT THE CONSULTANT'S WRITTEN AUTHORITY.
 - THE DRAWINGS TO BE READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS AND ALL RELEVANT DRAWINGS.
 - DRAWINGS ARE NOT TO BE SCALED FROM THE DRAWING. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT AND THEIR SUBCONTRACTORS AND TO COMPLY ALL RELEVANT CODES OF PRACTICE AND VARIOUS STANDARDS ON SITE BEFORE PREPARING SHOP DRAWINGS FOR AUTHORITY REQUIREMENTS AND BEFORE EXECUTING THE WORKS.
 - ANY DISCREPANCIES, OMISSIONS BETWEEN WRITTEN DIMENSIONS AND SITE DIMENSIONS OR BETWEEN THE DRAWING AND OTHER CONSULTANTS OR SUPPLIERS DRAWINGS SHOULD BE REPORTED TO THE ARCHITECT AT THE ONSET OF THE PROJECT BEFORE COMMENCING THE WORKS.

SUB CONSULTANTS :

ARCHITECT OF RECORD :	ARCHITECT OF RECORD :
ARCHITECT OF RECORD :	ARCHITECT OF RECORD :
CIVIL CONSULTANT :	CIVIL CONSULTANT :
INTERIOR DESIGN CONSULTANT :	INTERIOR DESIGN CONSULTANT :
STRUCTURAL CONSULTANT :	STRUCTURAL CONSULTANT :

KEY PLAN / AUTHORITY STAMP :



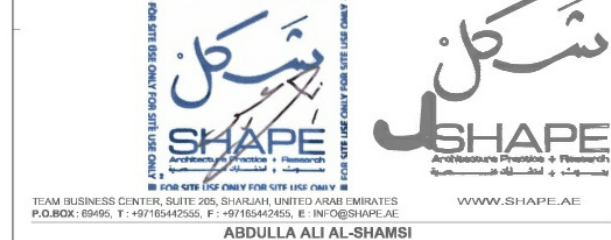
SUB CONTRACTOR :

MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

00	ISSUE FOR MUNICIPALITY	13-APR-2023
NO.	DESCRIPTION	DATE

REVISION HISTORY

CONSULTANT:



CLIENT :

Abdulla Ali Hamad Obaid Al-Shamsi & Ali
Hamad Obaid Al-Shamsi

PROJECT TITLE :

PROPOSED B+G+3 RESIDENTIAL
BUILDING

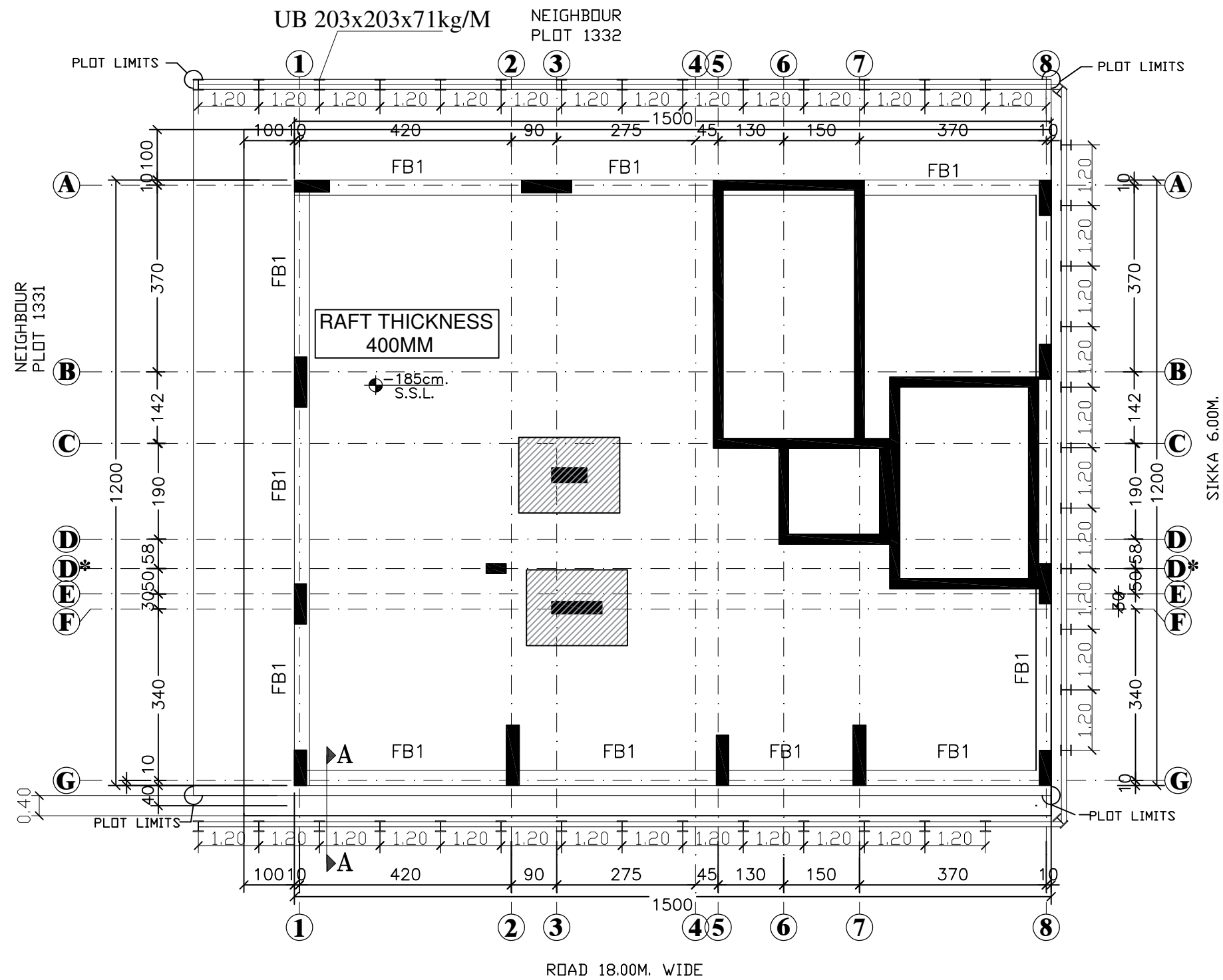
LOCATION : MUWEILAH, SHARJAH, UAE.			
ZONE : SHARJAH		PLOT NO : 2794-2796	
PROJECT ID : 11-001		PLOT AREA : 1050.00 m2	
SCALE : 1 : 100 @ A1		SUBMISSION DATE : 13-APR-2023	

DESIGNED BY :	DRAWN BY :	CHECKED BY :
	M.H	M.H

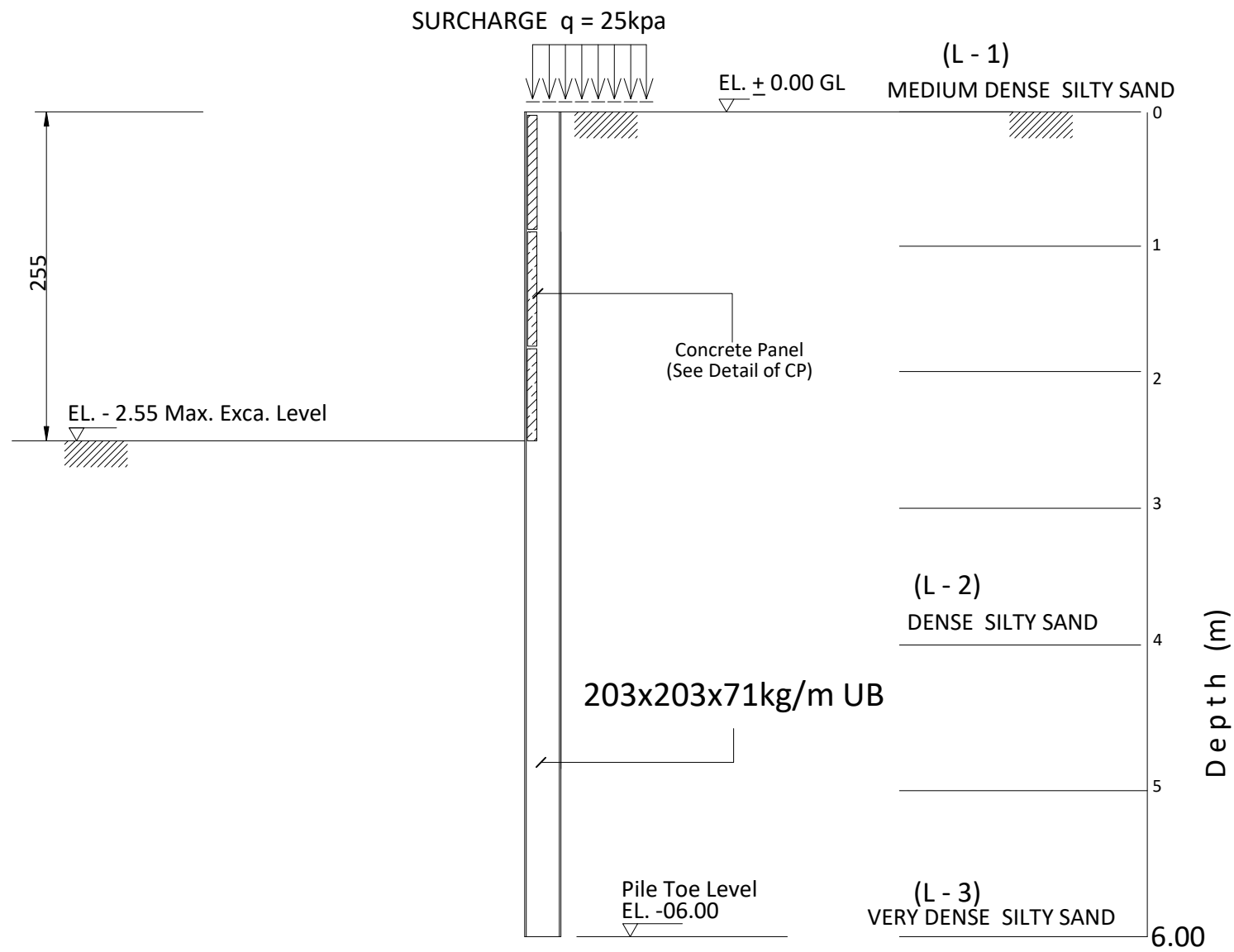
DRAWING TITLE :

SHORING SECTION B

DRAWING NO :	REV :
	00



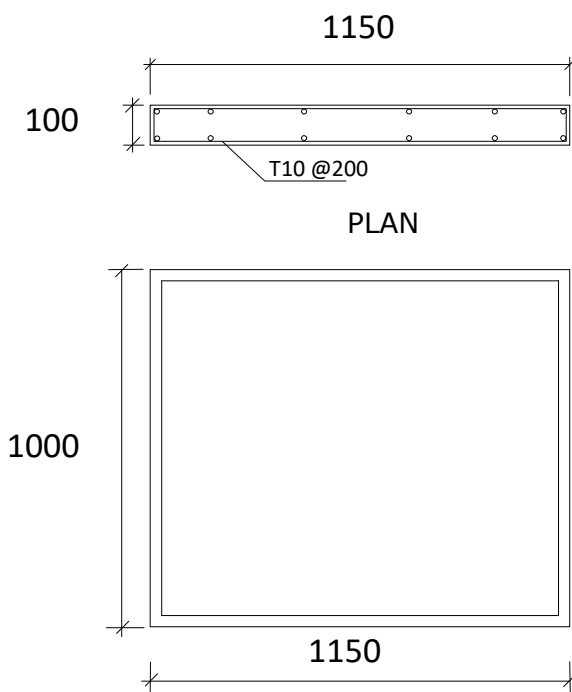
Excavation Side



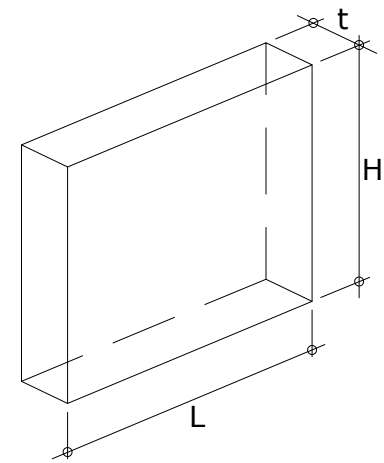
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



DETAIL OF CP



DETAIL OF CP

SECTION PROPERTIES

H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,t _f (mm)	17.3	
WEB,t _w (mm)	10	
MODULUS, Z _x		
PLASTIC (cm ³)	706	



SUB CONTRACTOR
MIDDLE EAST DEWATERING & FOUNDATION L.L.C
PROJECT
PROPOSED (G+3) BUILDING

OWNER
Mr.ABDULLA MOH'D ABDULLA ALMEHYAS

PLOT NO. 1333	SECTOR 3191(MULK) AL MUALIH COMMERCIAL
------------------	--

TITLE RAFT LAYOUT & SECTION



للإستشارات الهندسية
ENG. CONSULTANTS

TEL.NO. 06/5668333 FAX NO. 06/5668282
P.O.Box: 40180 SHJ - U.A.E.

DRAWN	SCALE 1:100	JOB NO.
ARCH.ENG KARRAR	DRE NO. S/1	
CIVIL ENG. HIBAH	ELECT. ENG.	DATE

**ميدل إيست لسحب المياه**
Middle East Dewatering

التاريخ : 2023/10/26

المحترمين / بلدية الشارقة

تحية طيبة و بعد

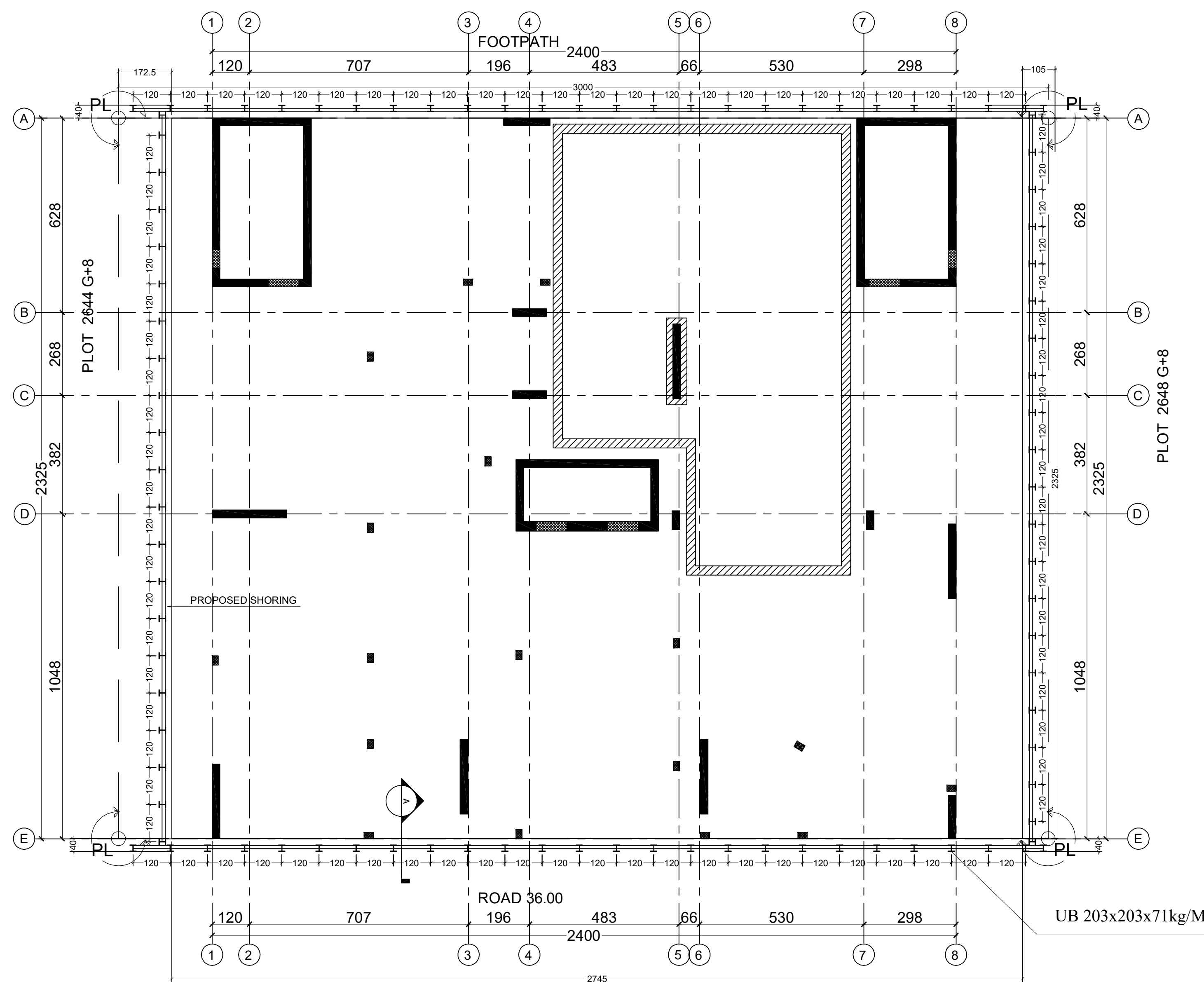
الموضوع : تعمد

بالإشارة إلى الموضوع أعلاه ، نتعهد نحن شركة ميدل إيست بسلامة المنشآت و الطرق المجاورة للمشروع نتيجة أعمال سند جدران الحفر و تصميمها و أنها تحت مسؤوليتنا بالكامل .



Tel.: 04-2369962 , Fax: 04- 2369964, Mob.: 050-3093519, 050-6464745
P.O. Box 113488, Dubai / Abu Dhabi - U.A.E., E-mail: coastmiddleeast@gmail.com



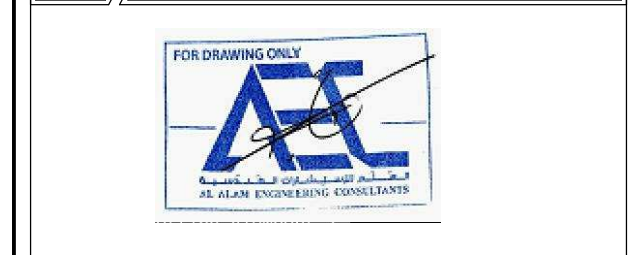


SHORING LAYOUT

- NOTES:-
- 1) DO N'T SCALE FROM THE DRAWING. FOLLOW THE WRITTEN DIMENSION ONLY.
 - 2) ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED AT SITE AND REFER TO THE CONSULTANT ON ANY DISCREPANCY BEFORE STARTING THE WORK.
 - 3) THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL & SERVICE DRAWINGS.
 - 4) OVERLAPPING FOR TOP STEEL MUST BE AWAY FROM SUPPORT MOR THAN L/3.
 - 5) OVERLAPPING FOR BOTTOM STEEL MUST BE ON SUPPORT ONLY.
 - 6) PROVIDE 3T16 TOP & BOTTOM IN THE EDGES OF SLAB WHERE THERE ARE NO BEAMS OR EXTRA REINF.
 - 7) T = TOP STEEL
B = BOTTOM STEEL
L=L1 OR L2(WHICH BIGGER)
FY=460N/mm2
Fcu=45N/mm2 STRENGTH AFTER 28 DAYS
 - 8) COPY RIGHT FOR THESE PLANS, SKETCHES, DRAWINGS, GRAPHIC REPRESENTATIONS AND SPECIFICATIONS ARE RESERVED FOR AL ALAM ENGINEERING CONSULTANT.SHOULD BE NOT USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE CONSULTANT. VIOLATION OF ABOVE WILL TAKE INTO LEGAL ACTION.



SUB CON. : MIDDLE EAST DEWATERING & FOUNDATION L.L.C



AREA : COMMERCIAL / MUWAILAH

PLOT NO: GOVERNMENTAL 2646 PROPERTY 423

PROJECT: PROPOSED (G+2P+5+R)

CLIENT: MR. SALEM ISMAIL FAIROUZ ALHARTHI

DRAWING TITLE: SHORING LAYOUT

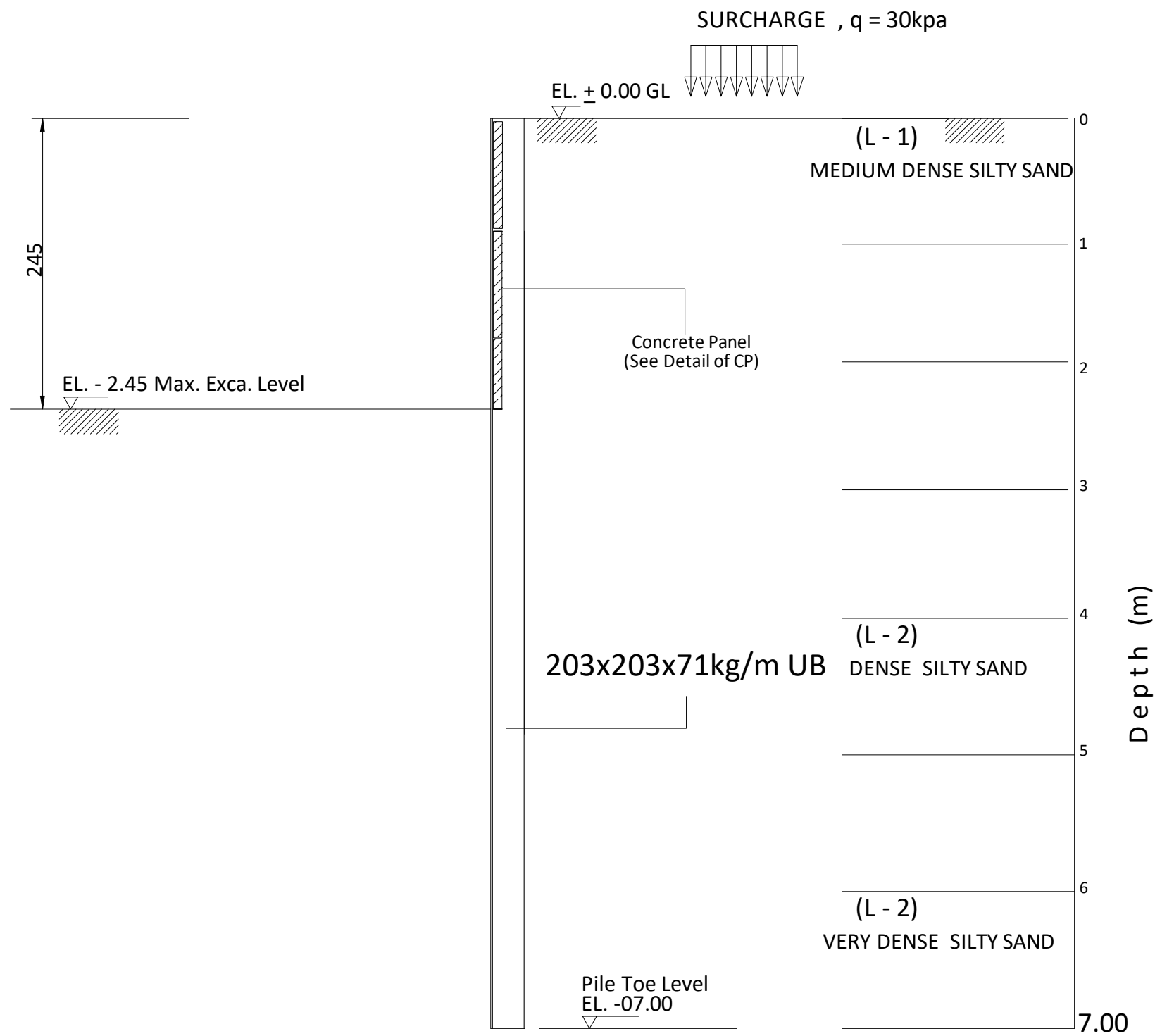


Date: 03/2023 Drawn By: M.H
Scale: 1:100 Design By: M.H
Sheet No: ST 06 Checked By: H.S
JOB No: 648

STRU

Excavation Side

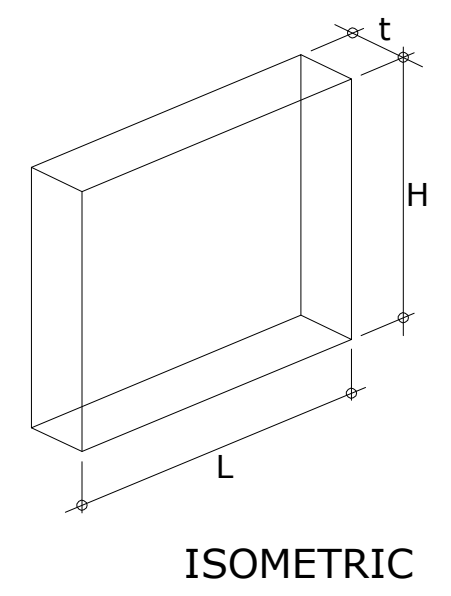
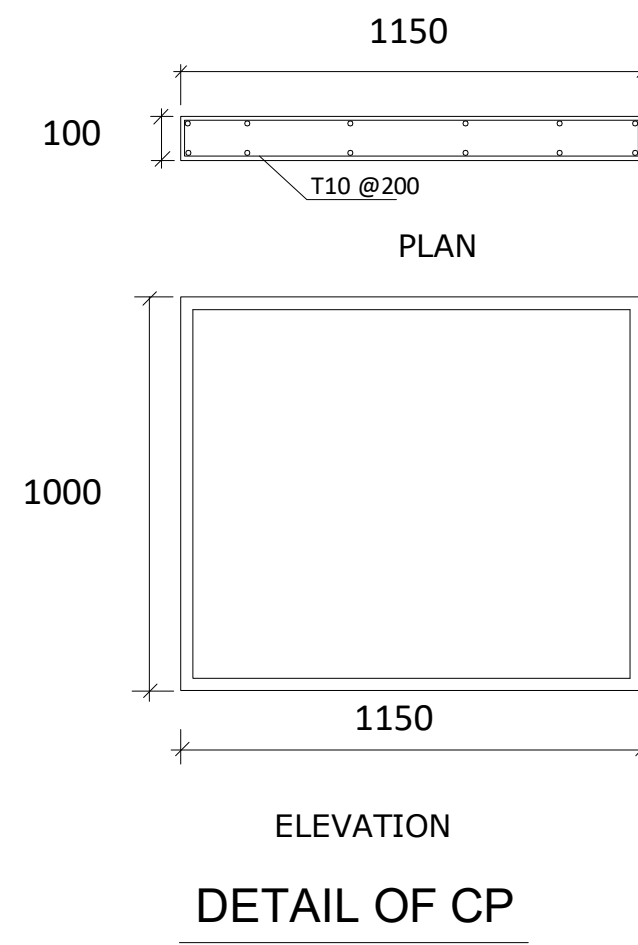
earth side



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



DETAIL OF CP

SECTION PROPERTIES

H-BEAM	L = 07.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	

- NOTES:-
- DO N'T SCALE FROM THE DRAWING. FOLLOW THE WRITTEN DIMENSION ONLY.
 - ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED AT SITE AND REFER TO THE CONSULTANT ON ANY DISCREPANCY BEFORE STARTING THE WORK.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL & SERVICE DRAWINGS.
 - OVERLAPPING FOR TOP STEEL MUST BE AWAY FROM SUPPORT MOR THAN L/3.
 - OVERLAPPING FOR BOTTOM STEEL MUST BE ON SUPPORT ONLY.
 - PROVIDE 3T16 TOP & BOTTOM IN THE EDGES OF SLAB WHERE THERE ARE NO BEAMS OR EXTRA REINF.
 - T = TOP STEEL
B = BOTTOM STEEL
L=L1 OR L2(WHICH BIGGER)
FY=460N/mm2
Fcu=45N/mm2 STRENGTH AFTER 28 DAYS
 - COPY RIGHT FOR THESE PLANS, SKETCHES, DRAWINGS, GRAPHIC REPRESENTATIONS AND SPECIFICATIONS ARE RESERVED FOR AL ALAM ENGINEERING CONSULTANT.SHOULD BE NOT USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE CONSULTANT. VIOLATION OF ABOVE WILL TAKE INTO LEGAL ACTION.



SUB CON. : MIDDLE EAST DEWATERING & FOUNDATION L.L.C

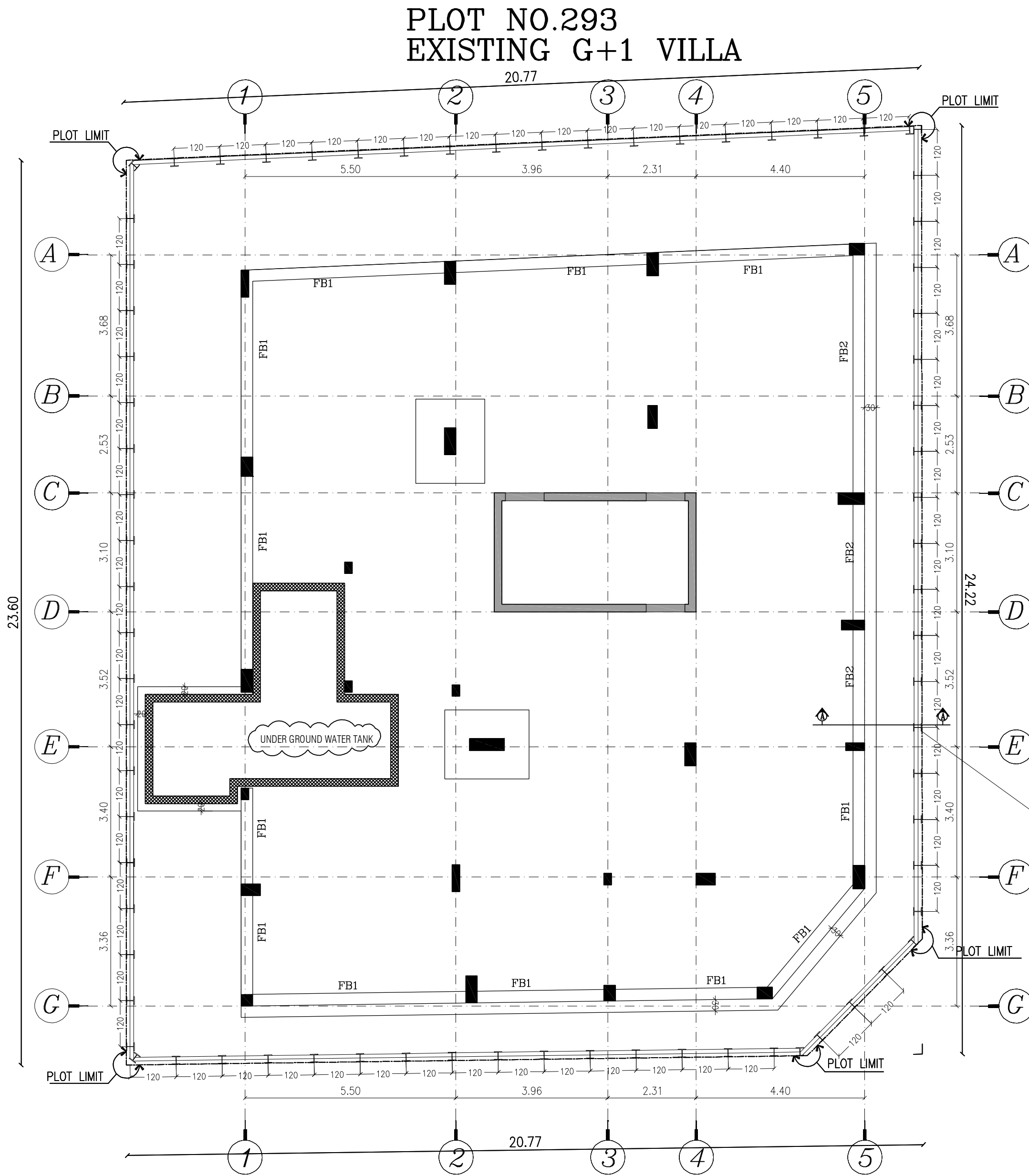


AREA :	COMMERCIAL / MUWAILAH	
PLOT NO:	GOVERNMENTAL 2646	PROPERTY 423
PROJECT:	PROPOSED (G+2P+5+R)	
CLIENT:	MR. SALEM ISMAIL FAIROUZ ALHARTHI	
DRAWING TITLE:	SHORING SECTION A	



Date:	03/2023	Drawn By:	M.H
Scale:	1:100	Design By:	M.H
Sheet No:	ST 06	Checked By:	HS
JOB No:	648		

PLOT NO.291
EXISTING G+1 VILLA



SHORING LAYOUT

ROAD W = 12.20 M

UB 203x203x71kg/M

ميدل إيست لسحب المياه
Middle East Dewatering

التاريخ : 2024/06/13
المحترمين
السادة / بلدية الشارقة
تحية طيبة و بعد
المشروع (مبنى أرضي 2+) شقة رقم 292 - ميسلون - الشارقة
الموضوع : تعهد
بالإشارة إلى المشروع أعلاه ، نتعهد نحن شركة ميدل إيست لسحب المياه و الطرق المجاورة
للمشروع بتنفيذ أعمال بناء حوائط الخندق بالقرع و انما تحت مسؤوليتنا بالكامل



Tel : 04-2369960 , Fax: 04-2369964, Mob.: 050-3053519, 050-6464745
P.O. Box 113488, Dubai / Abu Dhabi - U.A.E., E-mail: coestmiddleeast@gmail.com

NOTE :
ALL COLUMN LOADS ARE ULTIMATE LOADS (KN)



Sub contractor:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

Project:
PROPOSED GROUND + 2 BUILDING
PLOT NO: 292- MAYSALOON - SHARJAH

Client:
Mr.: ABDUL AZIZ MOHAMED ABDULRAHIM ALAWADHI

إعمار الإمارات
الاستشارات الهندسية
EAMAR AL EMARATE
ENGINEERS CONSULTING ARCHITECTS
TEL:06/5631113 P.O.BOX:46968 SHJ. FAX:06/5634443

Drawing
Title.

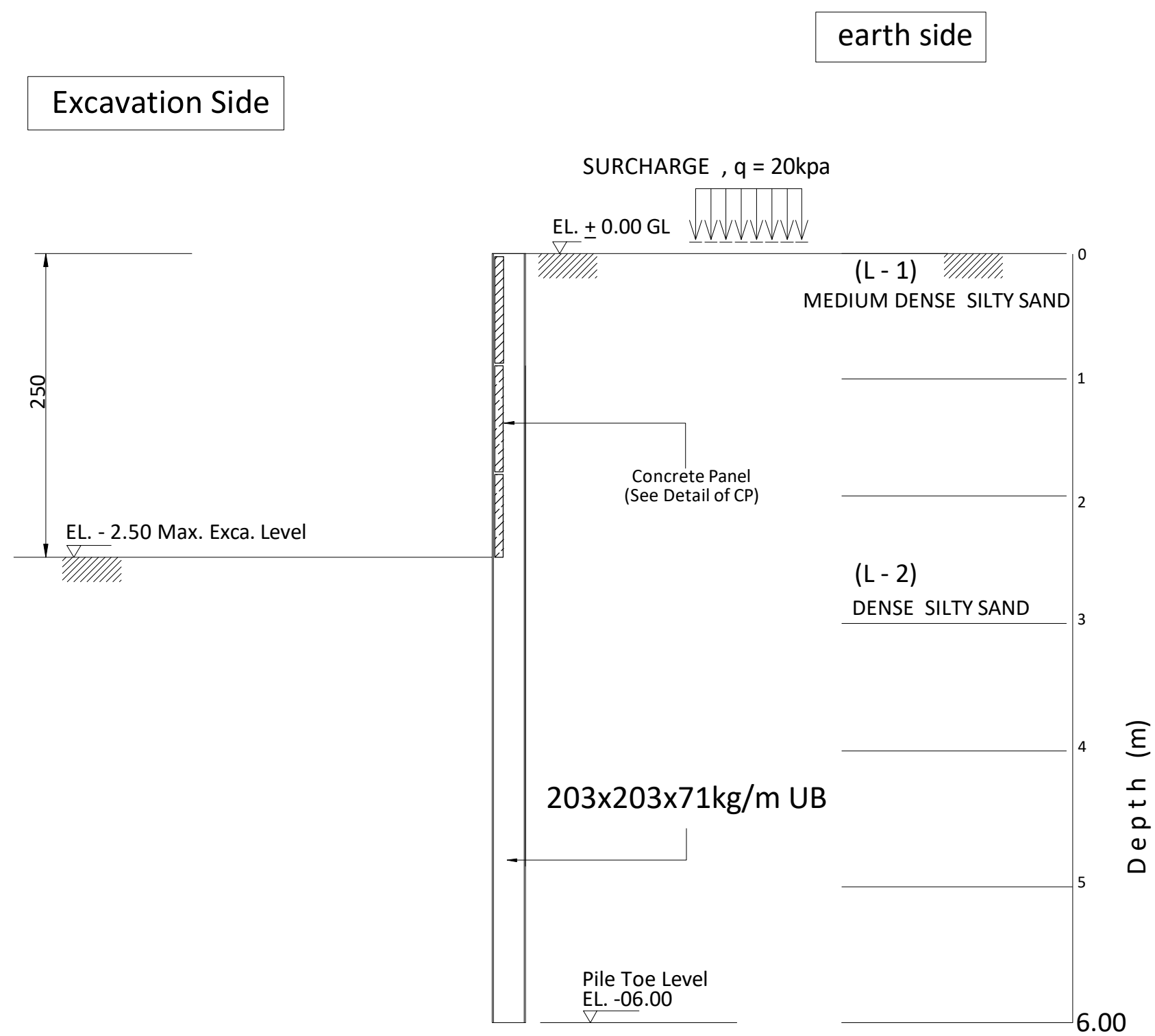
SHORING LAYOUT

Date:07-05-2024 Job no: B-105 Drawn by:M.H

Scale: 1 / 100 Design:M.H Checked by:H.S

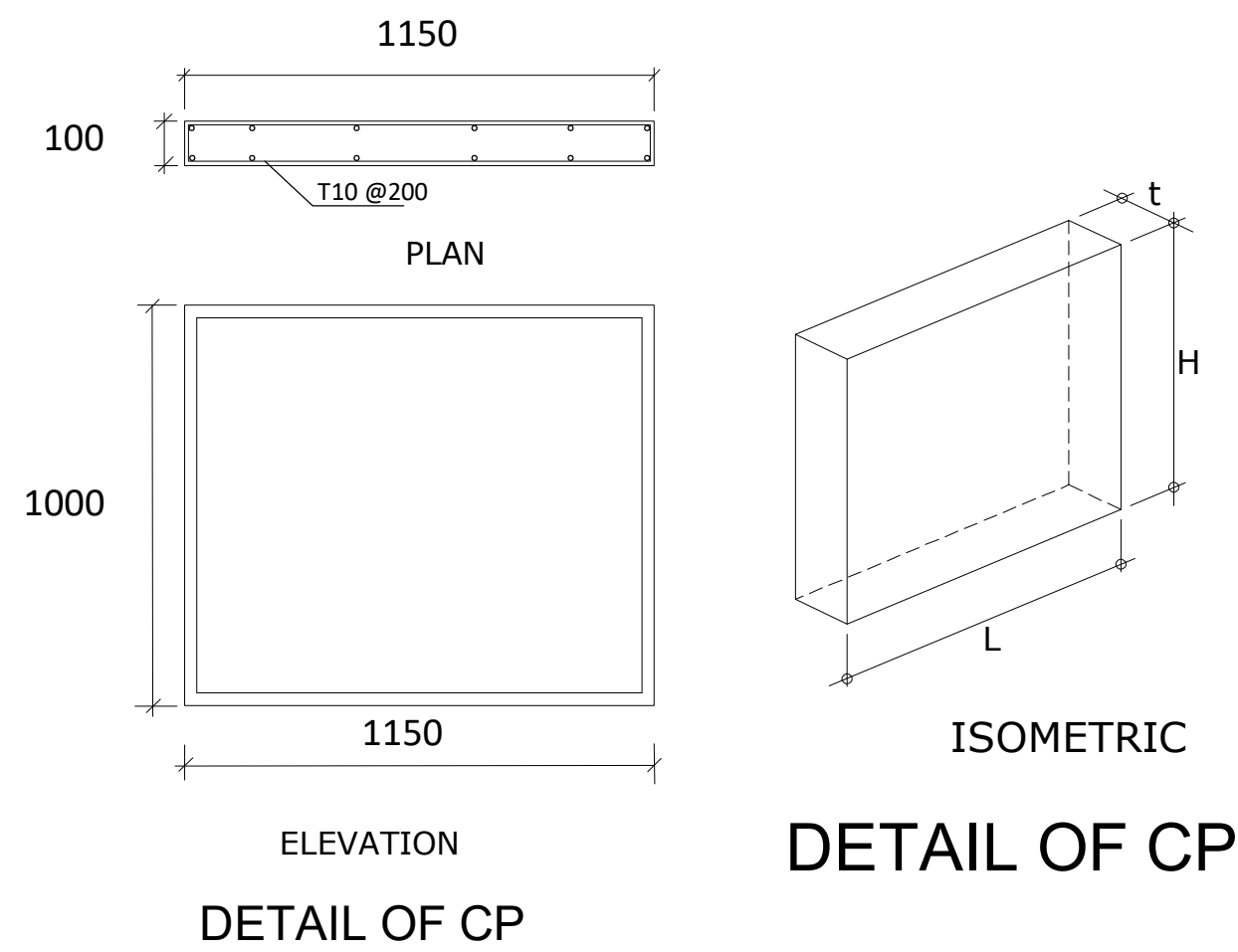
Drawing Number : 2-4

SECTION A - A

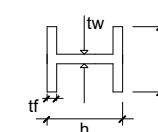


SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



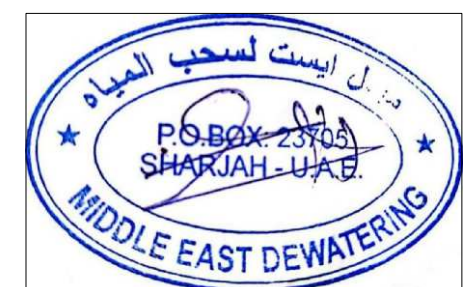
SECTION PROPERTIES



H-BEAM	L = 06.00m Fy = 275 N/mm ²
SECTION	203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,tf (mm)	17.3
WEB,tw (mm)	10
MODULUS, Zx	
PLASTIC (cm ³)	706

NOTE :

ALL COLUMN LOADS ARE ULTIMATE LOADS (KN)



Sub contractor:

MIDDLE EAST DEWATERING & FOUNDATION L.L.C

Project:

PROPOSED	GROUND + 2 BUILDING
----------	---------------------

PLOT NO: 292- MAYSALOON - SHARJAH

Client:

Mr.: ABDUL AZIZ MOHAMED ABDULRAHIM ALAWADHI



ENGINEERS CONSULTING ARCHITECTS
TEL:06/5631113 P.O.BOX:46968 SHJ. FAX:06/5634443

Drawing
Title.

SHORING SECTION

Date:07-05-2024

Job no: B-105

Drawn by: M.H

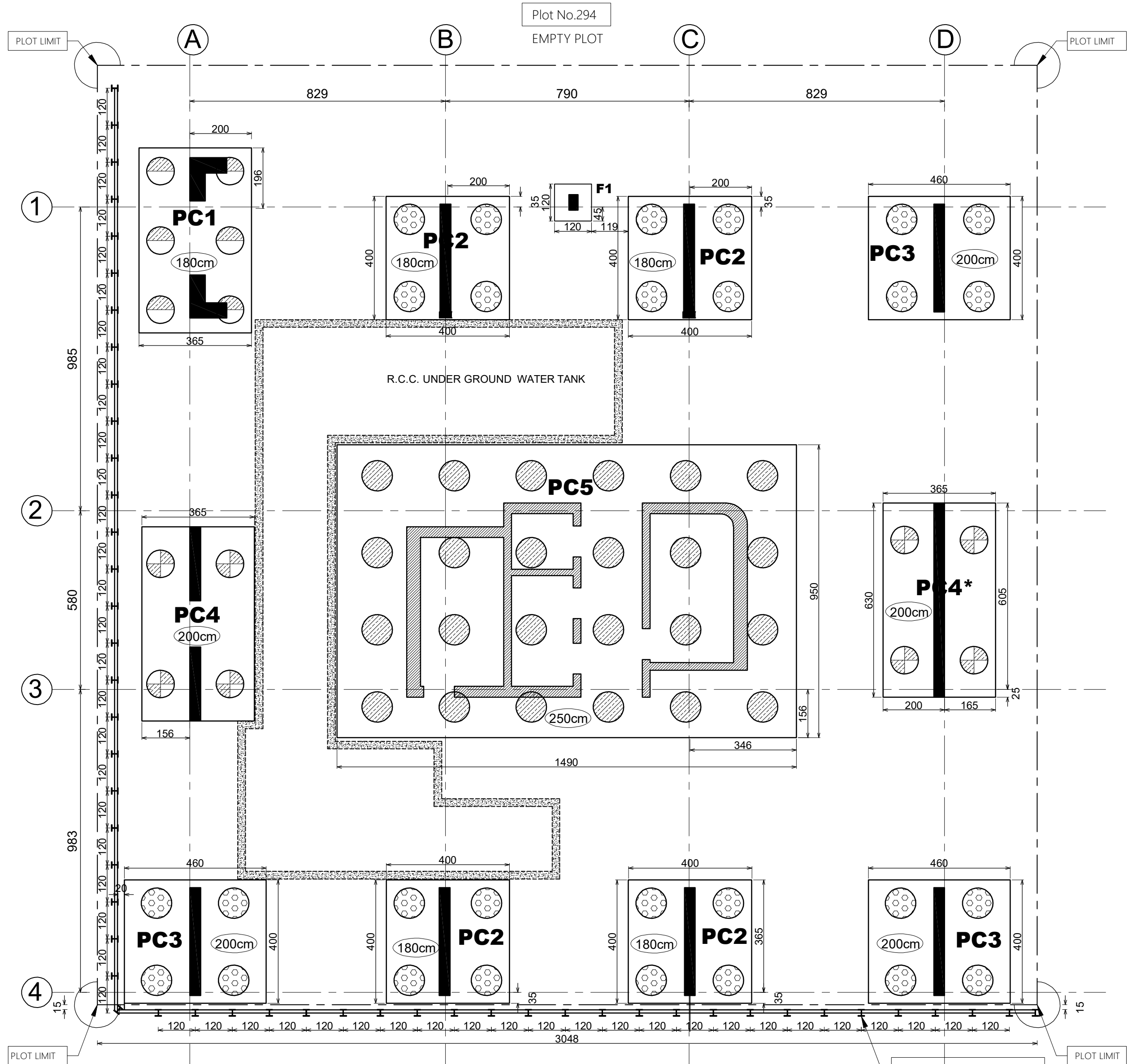
Scale: 1 / 100

Design:M.H

Checked by: H.S

Drawing Number :

2-4



SHORING LAYOUT

SCALE: 1/100

GENERAL NOTES:-

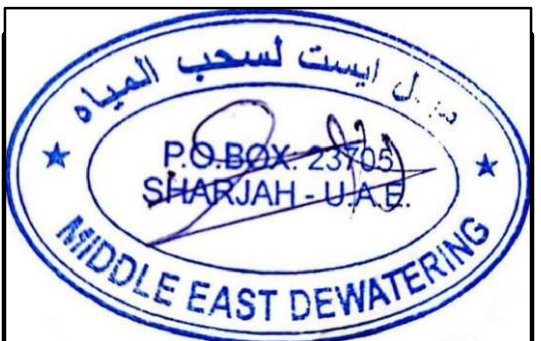
1. IT IS NOT ALLOWED TO REPRODUCE THIS SHEET'S CONTENTS IN ANY FORM EXCEPT FOR THE PURPOSE FOR WHICH IT IS INTENDED.

2. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED.

3. ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.

4. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT SECURING WRITTEN PERMISSION FROM THE ARCHITECT.

5. ALL WORK AS OUTLINED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



SUB CONTRACTOR
MIDDLE EAST DEWATERING & FOUNDATION L.L.C.

CLIENT
MR:YAQOOB ABDUL RAHIM
MUHAMED BIN KARAM AL FARSI

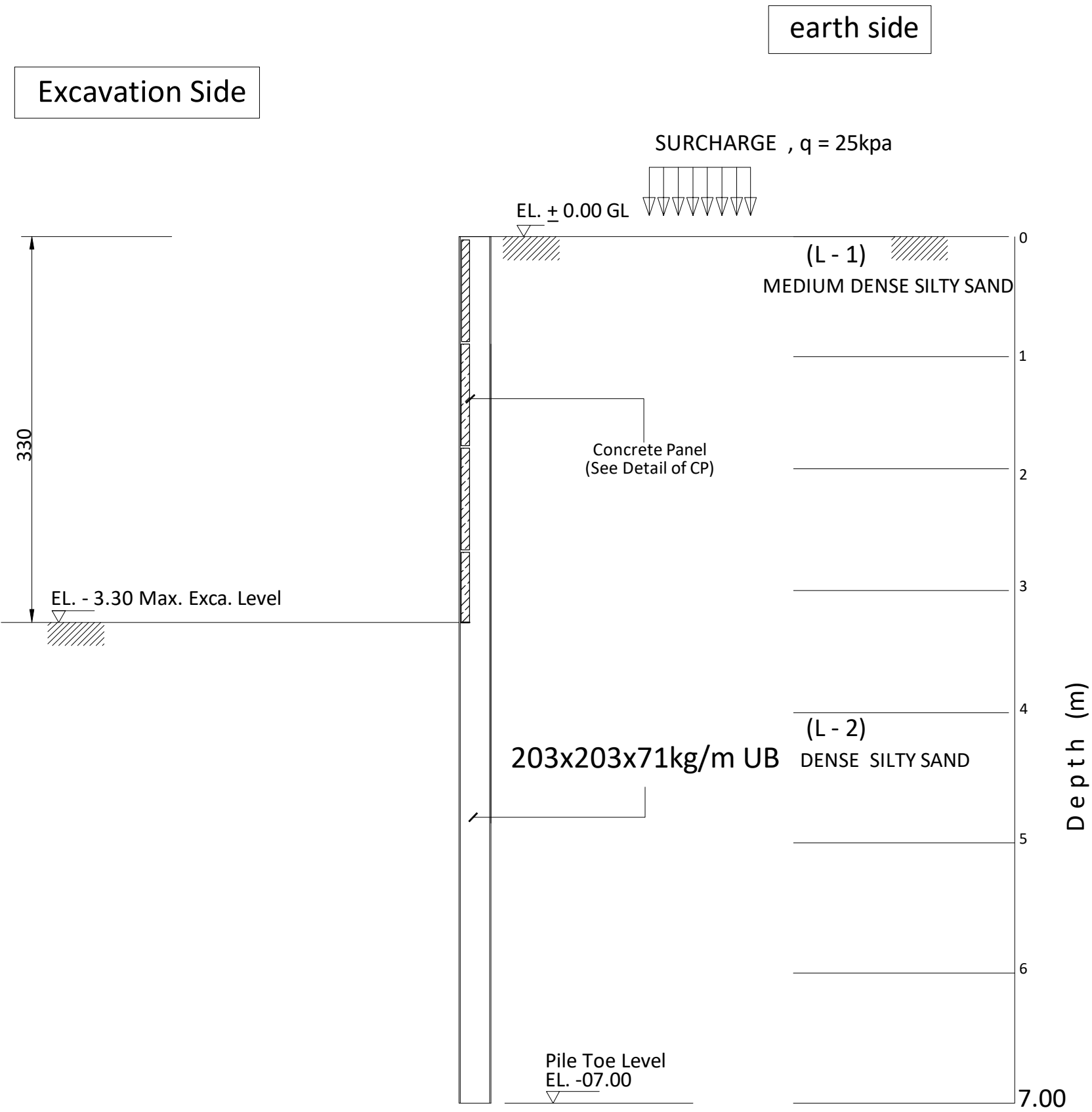
PROPOSED PROJECT
PROPOSED BUILDING G+5 PARKING
+ 15 TYPICAL+H.C

PLOT LOCATION SECTOR : Al Nahda
PLOT NO : 120 MULK | PLOT GOV : 295

SHEET CONTENT
SHORING LAYOUT

HEAD OF SEC:		
ARCH.DESIGNED BY: ENG.	DRAW BY: ENG.	T.P.DRAW BY: ENG.
STRUCT. DESIGN BY: ENG. M.H	DRAW BY: ENG. M.H	ENG.
ELECTRICAL DESIGN BY: ENG.	DRAW BY: ENG.	MUN.DRAW BY: ENG.
SERVICES DESIGN BY: ENG.	DRAW BY: ENG.	ENG.

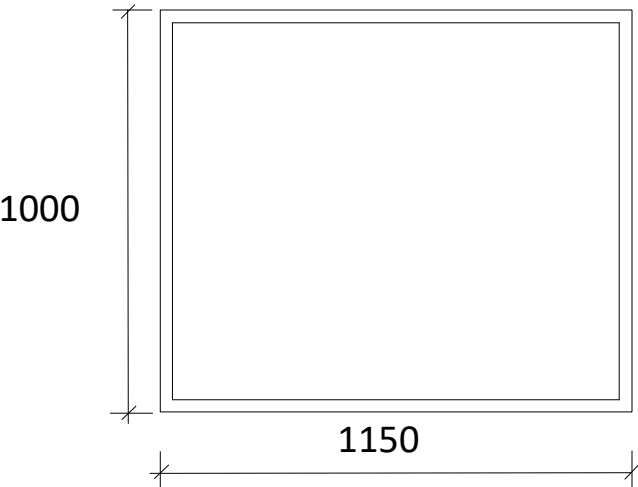
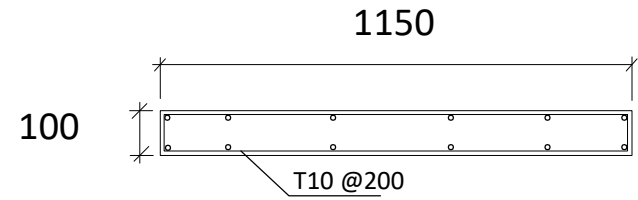
JOB NO:		DRWG. NO :	
DATE 07-05-2023	SCALE 1:100	REF. NO.	
NO.	DATE	R E V I S I O N S	



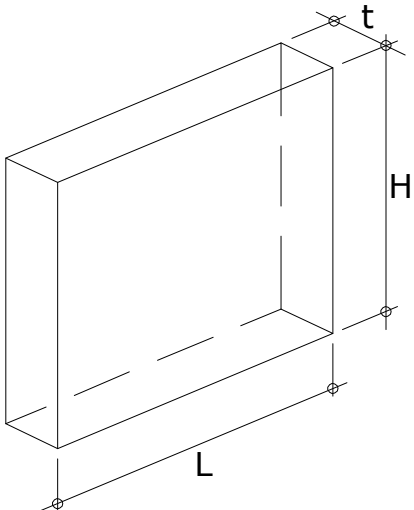
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			

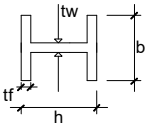


DETAIL OF CP



DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 07.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	

GENERAL NOTES:-

1. IT IS NOT ALLOWED TO REPRODUCE THIS SHEET'S CONTENTS IN ANY FORM EXCEPT FOR THE PURPOSE FOR WHICH IT IS INTENDED.

2. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED.

3. ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.

4. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT SECURING WRITTEN PERMISSION FROM THE ARCHITECT.

5. ALL WORK AS OUTLINED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



SUB CONTRACTOR
MIDDLE EAST DEWATERING &
FOUNDATION L.L.C.

CLIENT
MR:YAQOOB ABDUL RAHIM
MUHAMED BIN KARAM AL FARSI

PROPOSED PROJECT
PROPOSED BUILDING G+5 PARKING
+ 15 TYPICAL+H.C

PLOT LOCATION SECTOR : Al Nahda
PLOT NO : 120 MULK | PLOT GOV : 295

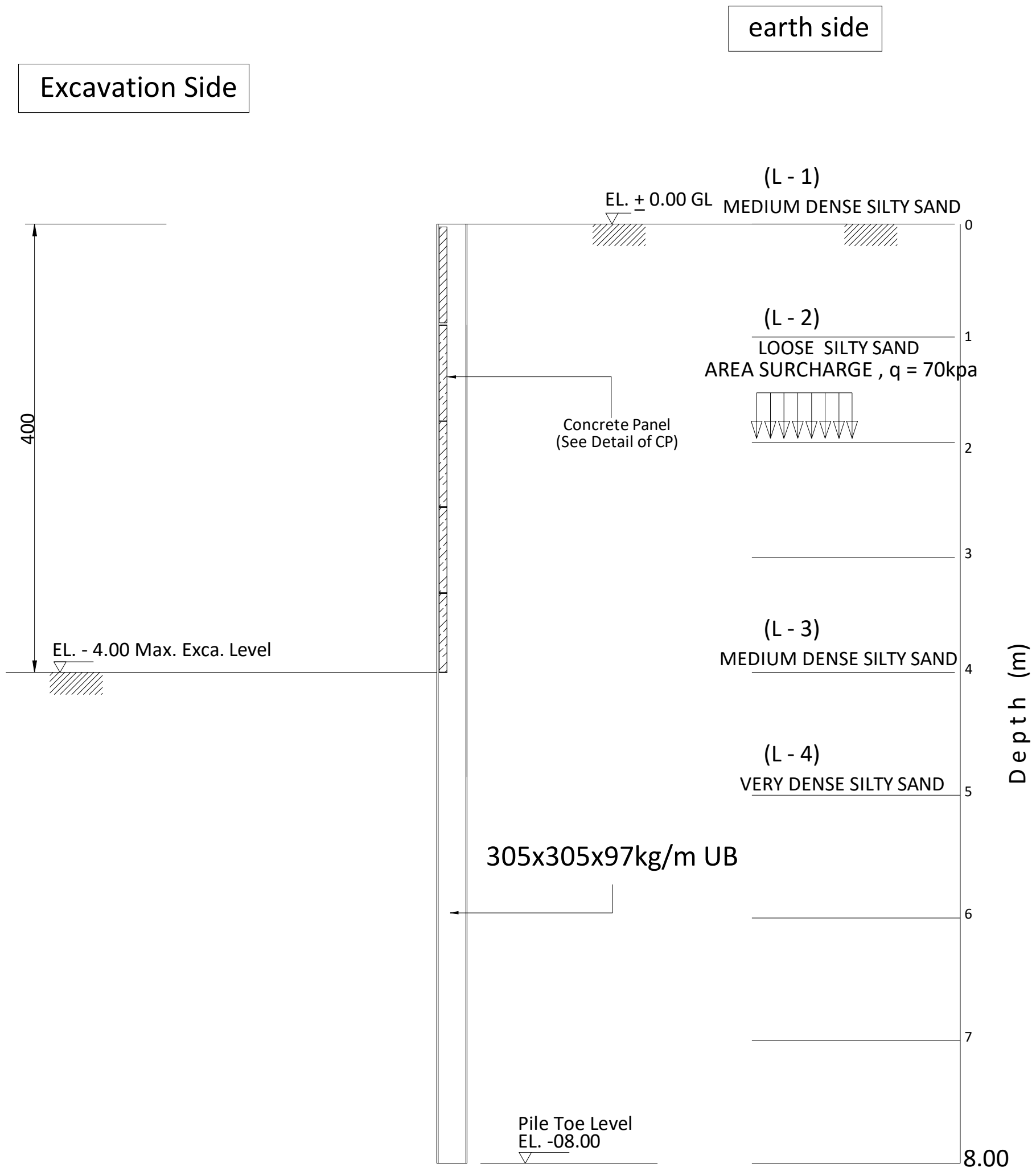
SHEET CONTENT
SHORING SECTION

HEAD OF SEC:		
ARCH.DESIGNED BY: ENG.	DRAW BY: ENG.	T.P.DRAW BY: ENG.
STRUCT. DESIGN BY: ENG. M.H	DRAW BY: ENG. M.H	MUN.DRAW BY: ENG.
ELECTRICAL DESIGN BY: ENG.	DRAW BY: ENG.	
SERVICES DESIGN BY: ENG.	DRAW BY: ENG.	

JOB NO: DRWG. NO :

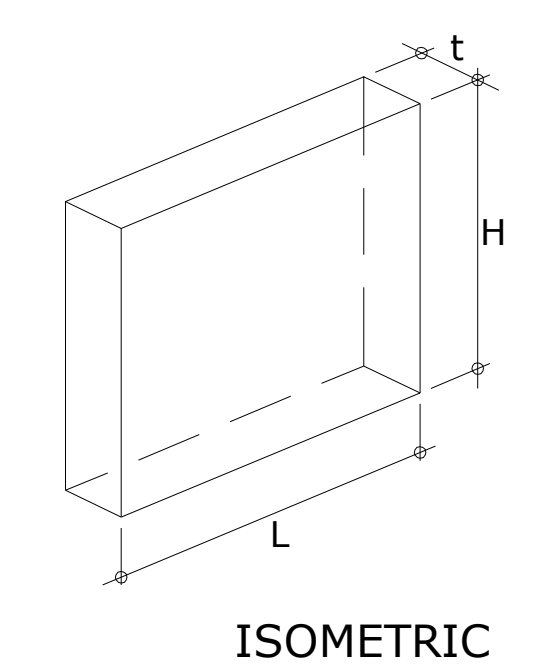
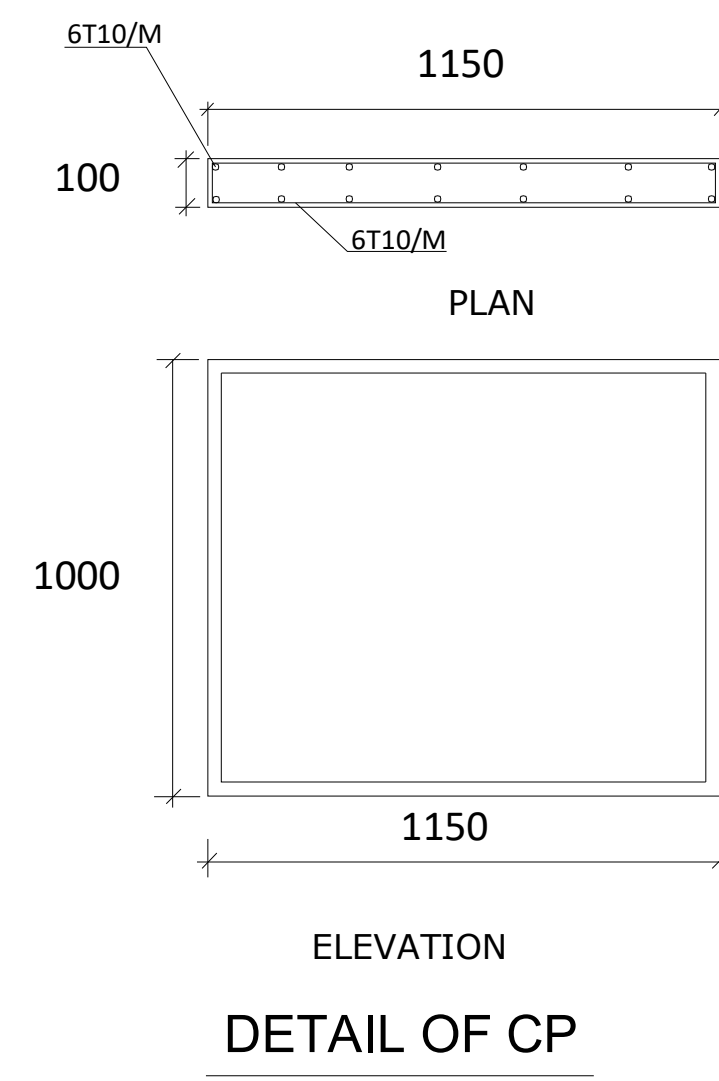
DATE 07-05-2023 SCALE 1:100 REF. NO.

NO.	DATE	REVISIONS



SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	QTY (nos)	REMARKS
100	1000x1150	126	



SECTION PROPERTIES

H-BEAM	L = 08.00m
SECTION	305x305x97kg/M
MASS (kg/m)	96.9
DEPTH,h (mm)	307.9
WIDTH,b (mm)	305.3
FLANGE,t _f (mm)	15.4
WEB,t _w (mm)	9.9
MODULUS, Z _x	
PLASTIC (cm ³)	1445

SECTION A - A

GENERAL NOTES :

1. Do not scale dimensions from drawing
2. Drawings should be read in conjunction with other related drawings
3. The contractor should report immediately to Consultant any discrepancies found in the drawing and should be resolved before execution of works

F_{cu} = 40 MPa at 28 days
F_y of all Reinforcement bar = 460 MPa



SUB CONTRACTOR :
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



DATE	REVISIONS



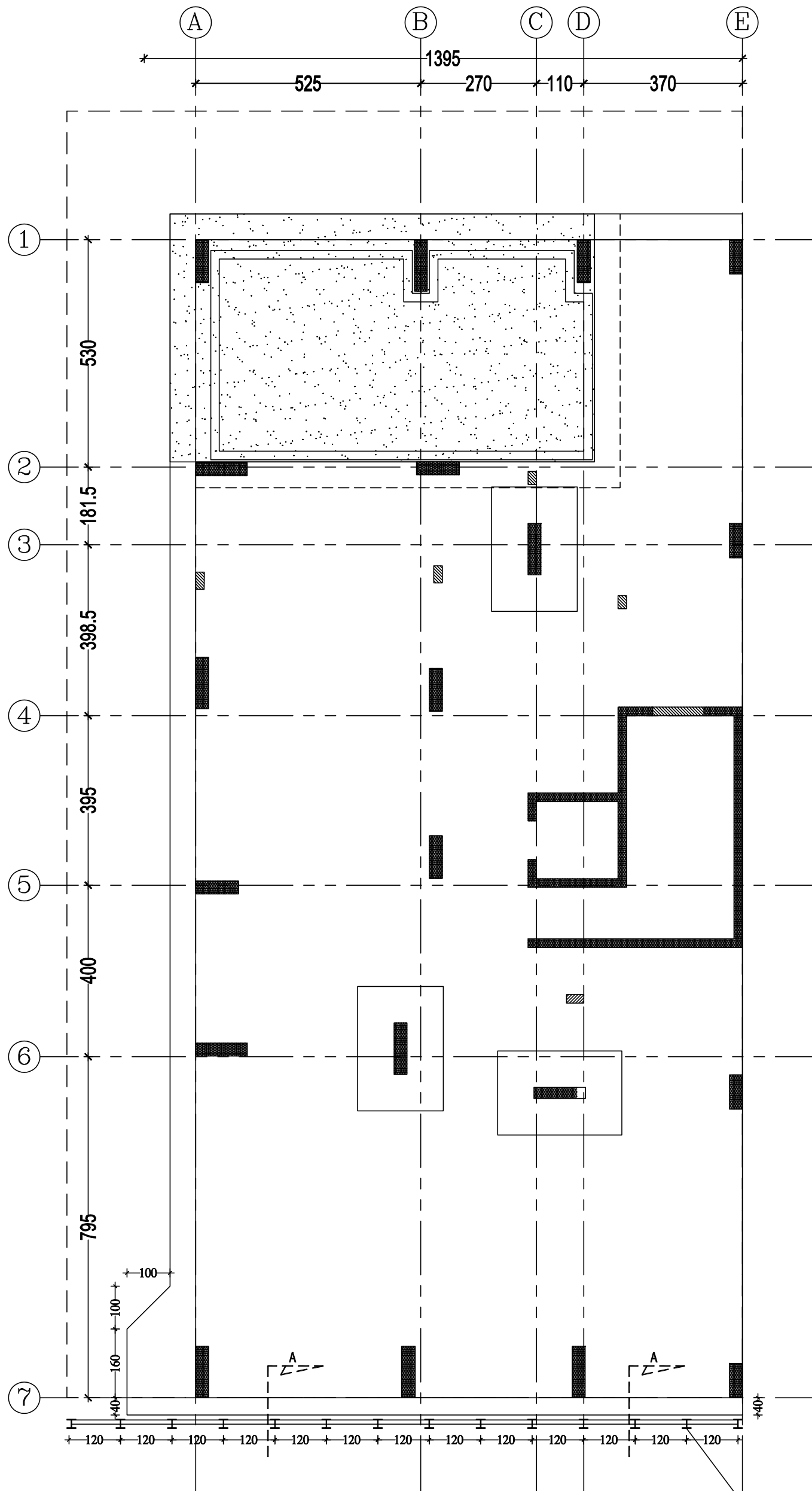
PROJECT NAME:
PROPOSED BUILDING (G +3)

PLOT No.	AREA / LOCATION
2129	MUWILEH SHARJAH, U.A.E.

CLIENT'S NAME:
ZAYED AHMED SALEM MUBARAK

DRAWING TITLE:
SHORING SECTION

SECTION	STRUCTURE	DRAWING. No.
STRUC'L ENGR.	M.H	
ARCHITECT		JOB No.
MEP ENGR.		
DATE	DECEMBER 2022	2066



SHORING LAYOUT

Government of Sharjah
Roads & Transport Authority



حكومة الشارقة
هيئة الطرق والمواصلات

المرجع : RN080289
التاريخ: 10/02/2025

شهادة عدم ممانعة

تدعيم جوانب الحفر

المقاول			بولاية الخليج لمقرات البناء ذ.م.م		
الاستشاري			العلم للاستشارات الهندسية		
المالك			منصور ابراهيم موسى النقيديان		
رقم اجازة البناء			التاريخ	2025-01-16	
رقم قطعة الأرض			المنطقة	FREE ZONE	
ابعاد قطعة الأرض			حسب ما هو موضح في شهادة الملكية	عرض حرم الطريق	24م
ابعاد التدعيم من خط البناء			الحد الأقصى أن لا يتجاوز 100 سم من حدود القطعة	رقم العمل	---
التفاصيل المحيطة			تشرع اسفلتي		
مساحة الاسفلت			---	قيمة التأمين	
قيمة الرسوم			---	التاريخ	
التاريخ			---	رقم الإيصال	
رقم الإيصال			---		
الشروط:					
1. الحصول على موافقات الدوائر الخدمية الأخرى ذات العلاقة قبل التنفيذ.					
2. توفير معايير السلامة في الموقع عند البدء بالمشروع وحتى الانتهاء منه.					
3. عدم تحميل الهيئة أي تكلفة مصاحبة لهذه الأعمال.					
4. إبلاغ هيئة الطرق والمواصلات قبل البدء بالأعمال بربع وعشرين ساعة على الهدف رقم (0501179795).					
5. عند الانتهاء من تنفيذ الأعمال يجب إزالة أي مخلفات ناتجة.					
6. هذه الشهادة صالحة لمدة شهرين من تاريخه.					
7. في حال حصول أي ضرر بالممتلكات العامة نتيجة تنفيذ هذه الأعمال يتحمل المالك قيمة الإصلاح.					
8. يجب أن لا تتجاوز أبعاد الأساسات 40 سم من حدود القطعة.					

هيئة الطرق والمواصلات



نسخة إلى:

- إدارة الوثائق

الشارقة، الإمارات العربية المتحدة Sharjah, United Arab Emirates 30330 06 562 4 555 06 503 3 333

- NOTES
- DO NOT SCALE FROM THE DRAWING. FOLLOW THE WRITTEN DIMENSION ONLY.
 - ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED AT SITE AND REFER TO THE CONSULTANT ON ANY DISCREPANCY BEFORE STARTING THE WORK.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL & SERVICE DRAWINGS.
 - THE CONTRACTOR AND HIS SUBCONTRACTORS ARE TO VERIFY ALL DIMENSIONS ON SITE BEFORE MAKING ANY SHOP DRAWINGS AND BEFORE EXECUTING THE WORKS.
 - ANY DISCREPANCIES EITHER BETWEEN WRITTEN DIMENSIONS OR BETWEEN THIS DRAWING AND OTHER CONSULTANTS OR SUPPLIERS DRAWING SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF ALL CONCERNED BEFORE EXECUTING THE WORKS.
 - FOR ELEMENTS WITH INDICATIVE DESIGN, THE CONTRACTOR(S) SHALL PREPARE CONSTRUCTION DETAILS FOR CONSULTANT APPROVAL PRIOR TO EXECUTION OF WORKS.
 - COPY RIGHT FOR THESE PLANS, SKETCHES, DRAWINGS, GRAPHIC REPRESENTATIONS AND SPECIFICATIONS ARE RESERVED FOR AL ALAM ENGINEERING CONSULTANT, SHOULD BE NOT USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE CONSULTANT VIOLATION OF ABOVE WILL TAKE INTO LEGAL ACTION.



SUB C.	MIDDLE EAST DEWATERING & FOUNDATION L.L.C	
AREA :	MUWAILIH COMMERCIAL	
PLOT NO:	GOVERNMENTAL 6463	PROPERTY 88/3197
PROJECT:	PROPOSED BUILDING (G + 4 + 50% FROM ROOF)	
CLIENT:	MANSOUR IBARHEEM MOUSA ALNOGAIDAN	
DRAWING TITLE:	SHORING LAYOUT	

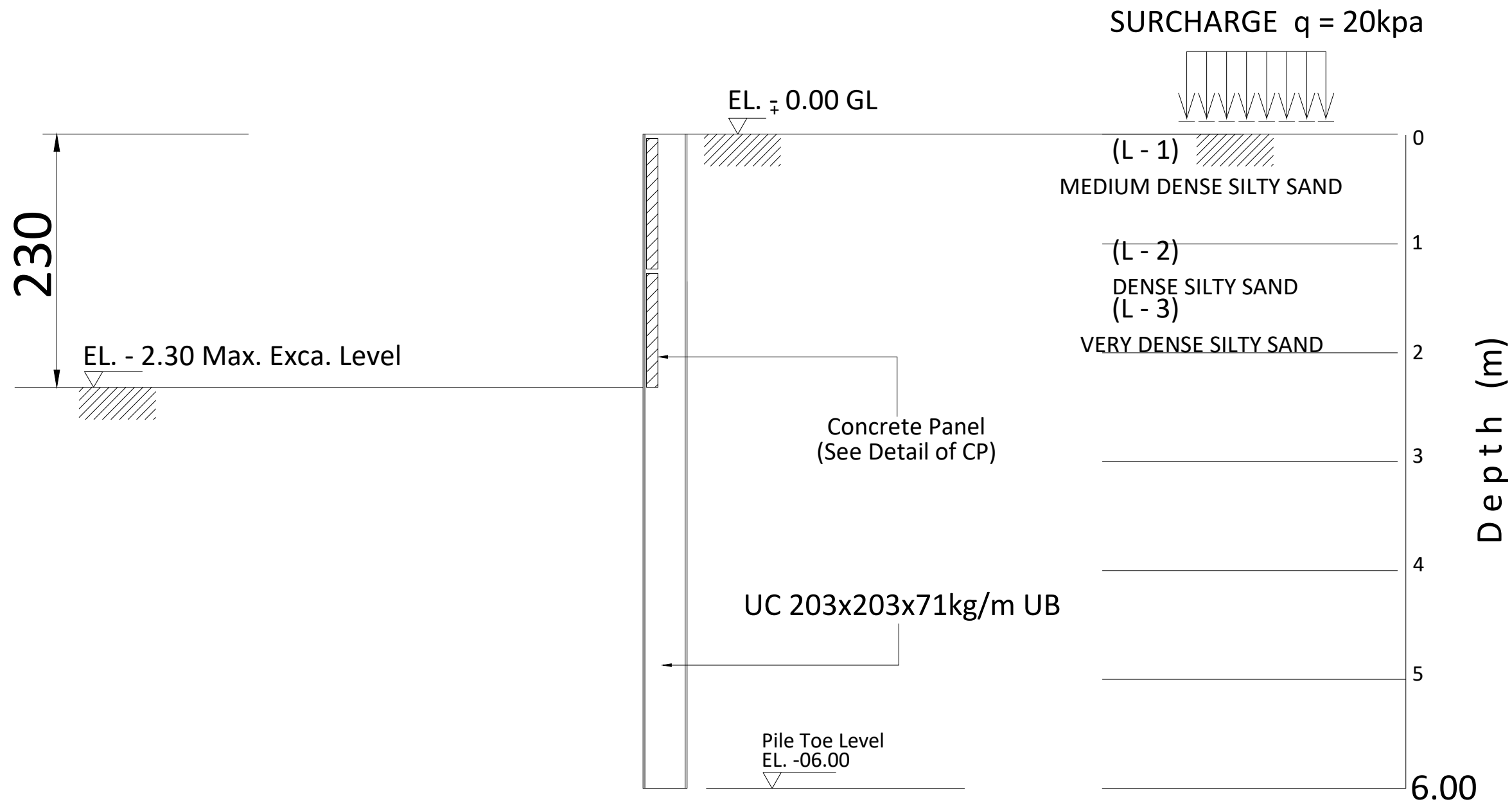


Date:	01/2025	Drawn By:	M.H
Scale:		Design By:	M.H
Sheet No:		Checked By:	MS
JOB No:	665		

STRU

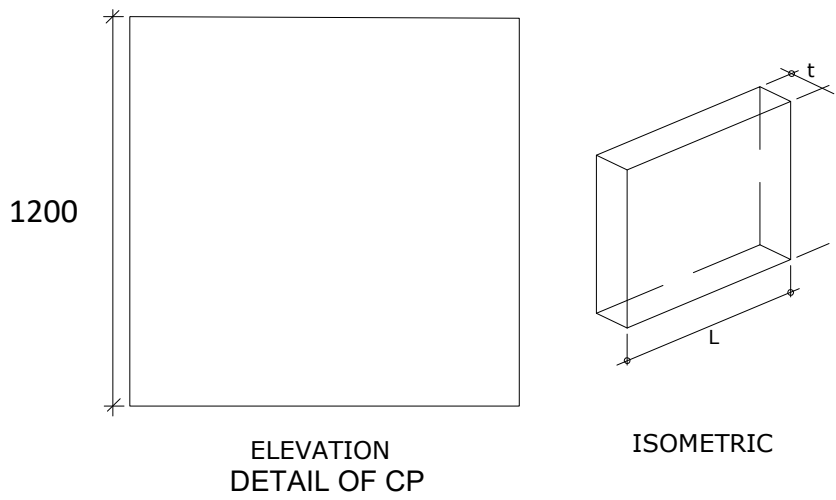
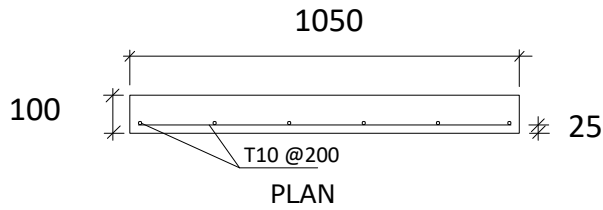
EXCAVATION SIDE

EARTH SIDE

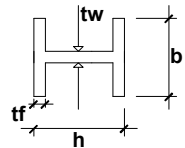


SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1050	



SECTION PROPERTIES



H-BEAM	L = 06.00m
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,tf (mm)	17.3
WEB,tw (mm)	10
MODULUS, Zx PLASTIC (cm ³)	706

- NOTES
- DO NOT SCALE FROM THE DRAWING .FOLLOW THE WRITTEN DIMENSION ONLY.
 - ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED AT SITE AND REFER TO THE CONSULTANT ON ANY DISCREPANCY BEFORE STARTING THE WORK.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL ,STRUCTURAL &SERVICE DRAWINGS.
 - THE CONTRACTOR AND HIS SUBCONTRACTORS ARE TO VERIFY ALL DIMENSIONS ON SITE BEFORE MAKING ANYSHOP DRAWINGS AND BEFORE EXECUTING THE WORKS .
 - ANY DISCREPANCIES EITHER BETWEEN WRITTEN DIMENSIONS OR BETWEEN THIS DRAWING AND OTHER CONSULTANTS OR SUPPLIERS DRAWING SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF ALL CONCERNED BEFORE EXECUTING THE WORKS.
 - FOR ELEMENTS WITH INDICATIVE DESIGN, THE CONTRACTOR(S) SHALL PREPARE CONSTRUCTION DETAILS FOR CONSULTANT APPROVAL PRIOR TO EXECUTION OF WORKS.
 - COPY RIGHT FOR THESE PLANS ,SKETCHES ,DRAWINGS ,GRAPHIC REPRESENTATIONS AND SPECIFICATIONS ARE RESERVED FOR AL ALAM ENGINEERING CONSULTANT ,SHOULD BE NOT USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE CONSULTANT VIOLATION OF ABOVE WILL TAKE INTO LEGAL ACTION.



SUB C. MIDDLE EAST DEWATERING & FOUNDATION L.L.C

AREA : MUWAILIH COMMERCIAL

PLOT NO. GOVERNMENTAL PROPERTY
6463 88/3197

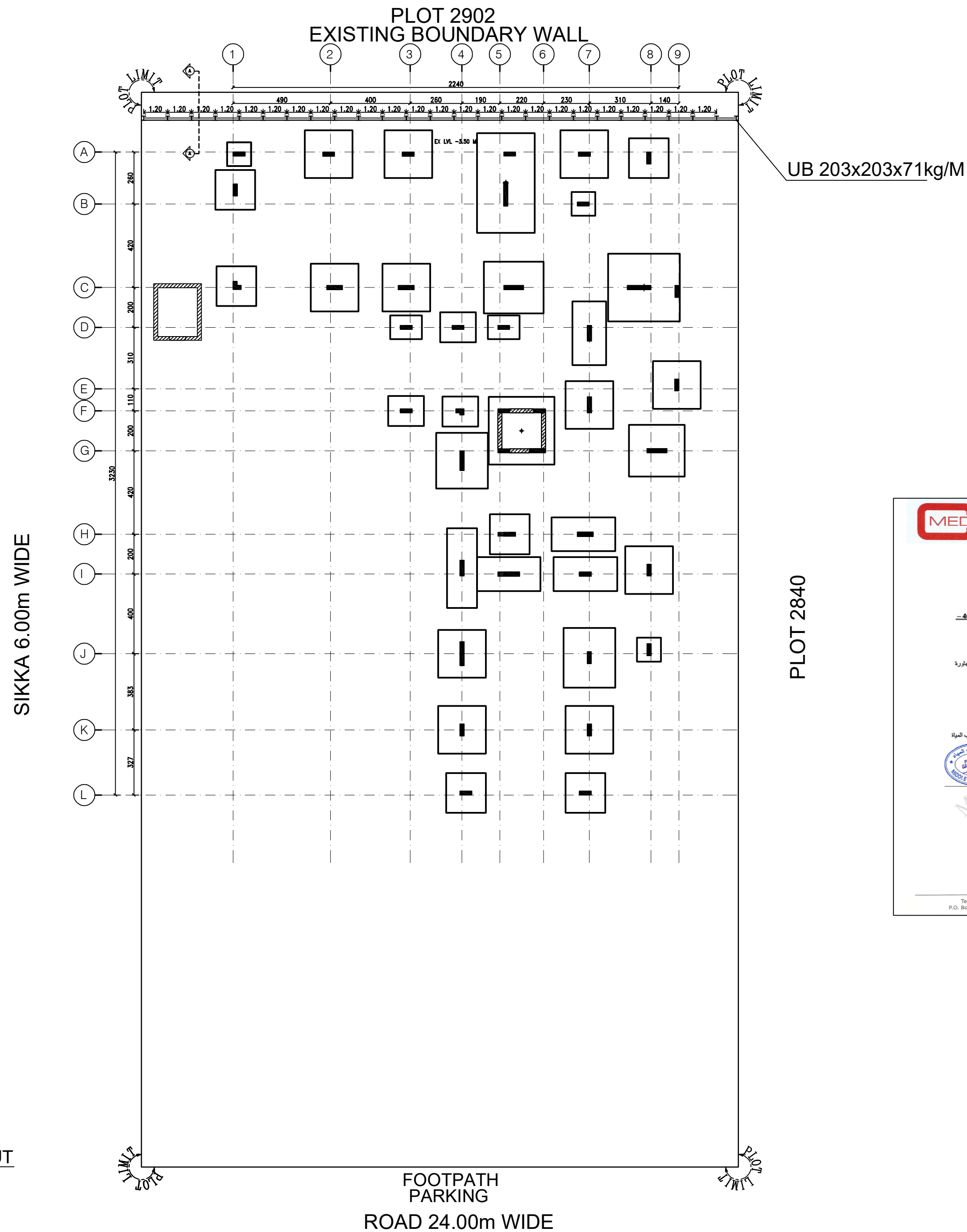
PROJECT: PROPOSED BUILDING (G + 4 + 50% FROM ROOF)

CLIENT: MANSOUR IBARHEEM MOUSA ALNOGAIDAN

DRAWING TITLE: SHORING SECTION



Date: 01/2025 Drawn By: M.H
Scale: Design By: M.H
Sheet No: Checked By: H.S
JOB No: 665



GENERAL NOTES :

1. Do not scale dimensions from drawing
2. Drawings should be read in coordination with other related drawings such as Architect, and MEP Drawings
3. The contractor should carefully study all the drawings structure, architect and MEP before starting the work
4. If there is any discrepancy found in the drawing the Contractor should report to Consultant Engineer and to be resolved before execution of works



SUB CONTRACTOR :

MIDDLE EAST DEWATERING &
FOUNDATION L.L.C

DATE	REMARKS



NAME OF CLIENT

HUSSEIN EID HUSSEIN ABU SEIF

PROJECT TITLE:
PROPOSE VILLA (G+1)+PUMP ROOM+
SWIMMING POOL+
PARKING+COMPOUND WALL

PLOT No.	MULK.	AREA	CITY
2842	467	AL NOUF-4	SHARJAH

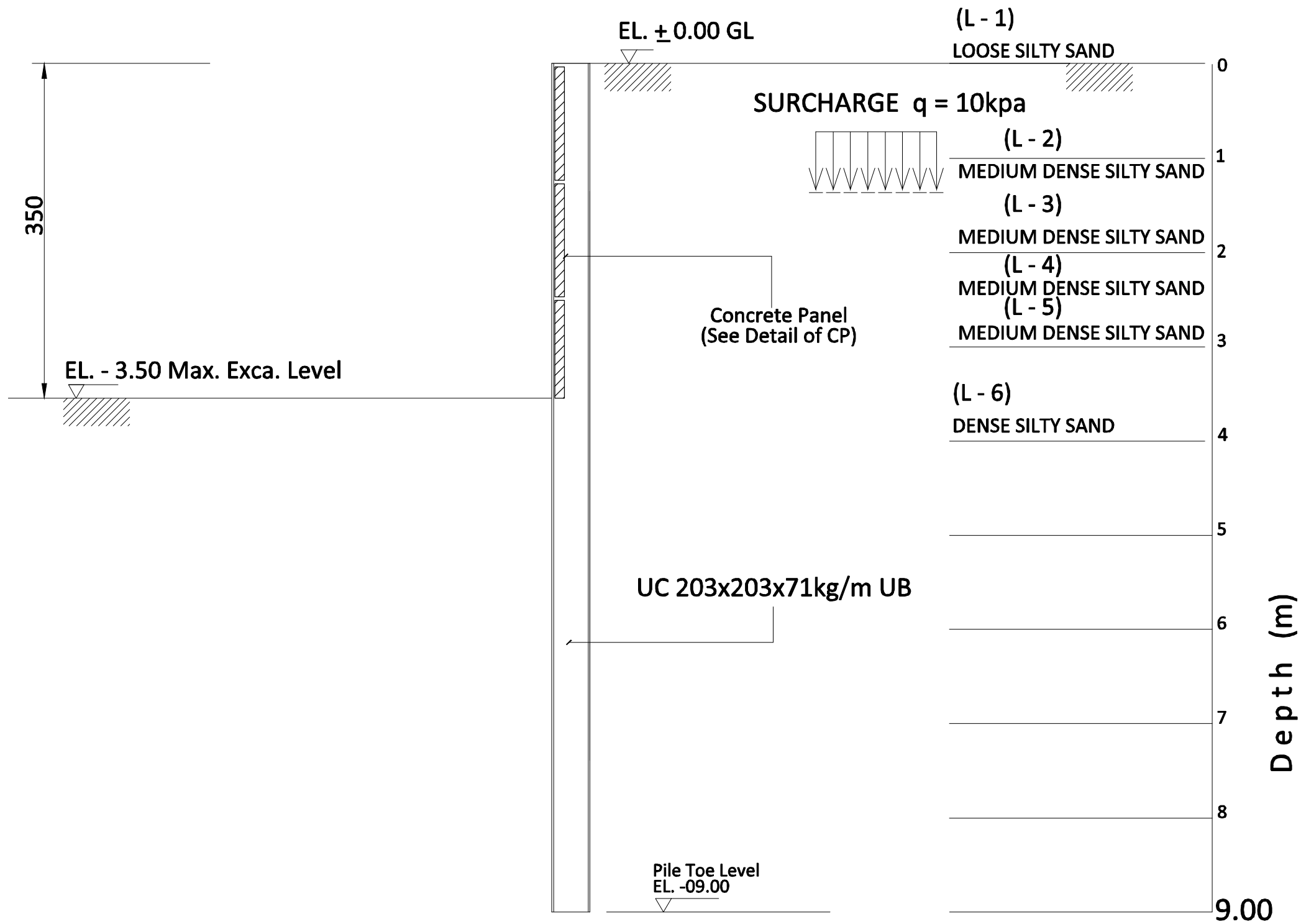
DRAWING TITLE:

SHORING LAYOUT

DEPARTMENT	STRUCTURE	JOB No.
DESIGNED BY :	M.H	
DRAWN BY :	M.H	2524
CHECKED BY :	---	
SCALE :	(AS SHOWN)	
DATE :	DEC-2024	SHEET No.
		S-

EXCAVATION SIDE

EARTH SIDE

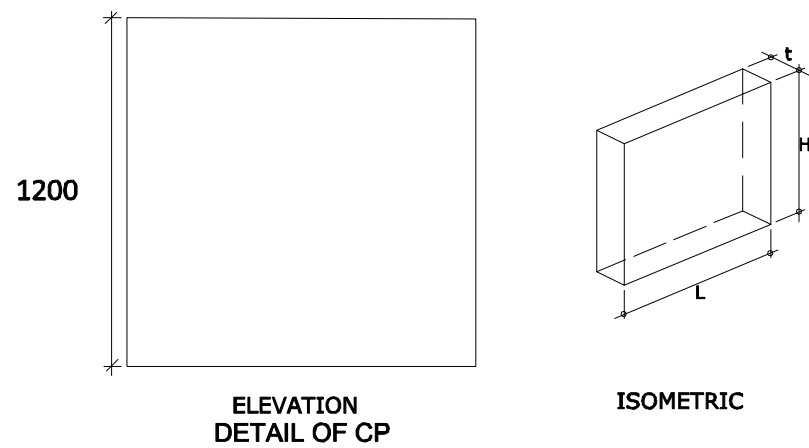
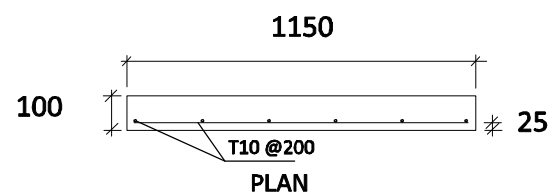


SECTION A - A



SCHEDULE OF CONCRETE PANEL

THK(mm)	S E CTION	REMARKS
100	1200x1150	



SECTION PROPERTIES

H-BEAM	L = 09.00m
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,t _f (mm)	17.3
WEB,t _w (mm)	10
MODULUS, Z _x	
PLASTIC (cm ³)	706

GENERAL NOTES :

- Do not scale dimensions from drawing
- Drawings should be read in coordination with other related drawings such as Architect, and MEP Drawings
- The contractor should carefully study all the drawings structure, architect and MEP before starting the work
- If there is any discrepancy found in the drawing the Contractor should report to Consultant Engineer and to be resolved before execution of works



SUB CONTRACTOR :

MIDDLE EAST DEWATERING & FOUNDATION L.L.C

DATE	REMARKS



ENG. CONSULTANCY
Tel: +971 6 5735505 Fax: +971 6 5739909 P.O.Box:25737, Sharjah
E-mail : deyar.engineer@gmail.com

NAME OF CLIENT

HUSSEIN EID HUSSEIN ABU SEIF

PROJECT TITLE:

UND.CONS VILLA (G+1)+PUMP ROOM+ SWIMMING POOL+ PARKING+COMPOUND WALL

PLOT No.	MULK.	AREA	CITY
2842	467	AL NOUF-4	SHARJAH

DRAWING TITLE:

SHORING SECTION

DEPARTMENT	STRUCTURE	JOB No.
DESIGNED BY : .	M.H	2524
DRAWN BY :	M.H	SHEET No.
CHECKED BY :	- - -	S- 03
SCALE :	(AS SHOWN)	
DATE :	DEC-2024	

Approved with comments that must be addressed before starting the work. In the event that the work commences without addressing these comments, our office will not be held responsible for any future damages that may occur, and full responsibility will lie with the main contractor.

1- The shoring must extend a distance of not less than one meter from the edge of the raft. Please take this into consideration and adjust the plans before starting work on site.

2- We also recommend that the depth of the pile should be no less than double the difference in elevation on the actual ground, in order to avoid any potential future damages.

3- We also recommend providing clear implementation instructions to avoid any deviations in the vertical alignment during construction, which may later require architectural plan modifications. Please take this into consideration and ensure all necessary precautions are taken during execution.

Dimensions Engineering Consultant LLC





TYPE	SIZE (cm)		BOTTOM BARS		TOP BARS		STIRRUPS	REMARKS
	WIDTH	DEPTH	STRAIGHT	EXTRA AT MIDSPAN	STRAIGHT	EXTRA AT SUPPORT		
STB1	30	100	<3+2>T20		<3+2>T20		T10@10cm (3L)	
STB2	30	100	<3+3>T20		<3+3>T20		T10@15cm (3L)	

SCALE: 1:100



تَدْعِيْمُ جَوَانِبِ الْحَقْرِ

المرجع : RN079320
التاريخ : 29/01/2025

المعلومات	البيان التفصيلي لآلات البناء		
الاستثماري	الاشواق للاستثمارات الهندسية		
المالك	مברה محمد نور محمد صالح كرمستني		
رقم اجزاء البناء	1807	التاريخ	2024-11-19
رقم قطعة الأرض	6718	المنطقة	ننار
إعداد قطعة الأرض	حسب ما هو موضح في شهادة الملكية	عرض حرم	97 م
إبعاد التدعيم من خط	خط الأراضي لا يتجاوز 100 متر من حدود القطعة	الطريق	---
على أن التوجه إلى الشارع بعد الانتهاء من الأعمال	شارع السليبي	رقم العمل	---
التفاصيل محيطية	---	قيمة التفتيش	20475.50 درهم
مساحة المسطحة	---	التاريخ	27/01/2025
قيمة الرسوم	---	رقم الإصدار	33005046

الردود

1. الموصول على قول القائل هو الراتب الخدمية لأحدى ذوات العتالة بل التفتيح
2. توفر معايير الإصلاحي في الواقع عند عبادة الأصنام ورحى انتباهه منه
3. عدم كمال التوبة في تلك الحالة لعدم الإصرار
4. عدم كمال التوبة في تلك الحالة لعدم الإصرار على التوبة (0501179795)
5. عدم الاعتناء من تفتيش الإصلاحي بعد إجابته إلى مخالفت التوبة
6. هذه الحالة مسجلة أثناء مشيرون من تاريخه
7. في حال حصول أي أضرار فالممتلكات كخارج تفتيح هذه الأعمال يتمثل القيمة الإصلاحي
8. يجب أن لا تتجاوز أبعاد الأسلاك 4م - 5م من حدود

هيئة الطرق والمواصلات

نسخة إلى:
- ادلة المثلثات


 هيئة الطرق والمواصلات
 Roads & Transport Authority
 إدارة صيانة الطرق
 ROADS MAINTENANCE DEPARTMENT

MSI-23-1487

Page 12/15

1. DO NOT SCALE DIMENSIONS FROM DRAWING
2. DRAWINGS SHOULD BE READ IN CONJUNCTION WITH OTHER RELATED DRAWINGS
3. THE CONTRACTOR SHOULD REPORT IMMEDIATELY TO CONSULTANT ANY DISCREPANCIES FOUND IN THE DRAWING AND SHOULD BE RESOLVED BEFORE EXECUTION OF WORKS



**MIDDLE EAST DEWATERING & FOUNDATION
L.L.C**



E-mail: ashwaq.enggconsultants@gmail.com,
ashwaqameerkhan@yahoo.in

PROPOSED BUILDING G+4

**MIS.MUNIRA MOHAMMED NOOR MOHAMED
SALEH KARMASTAJI**

PLOT NO.:

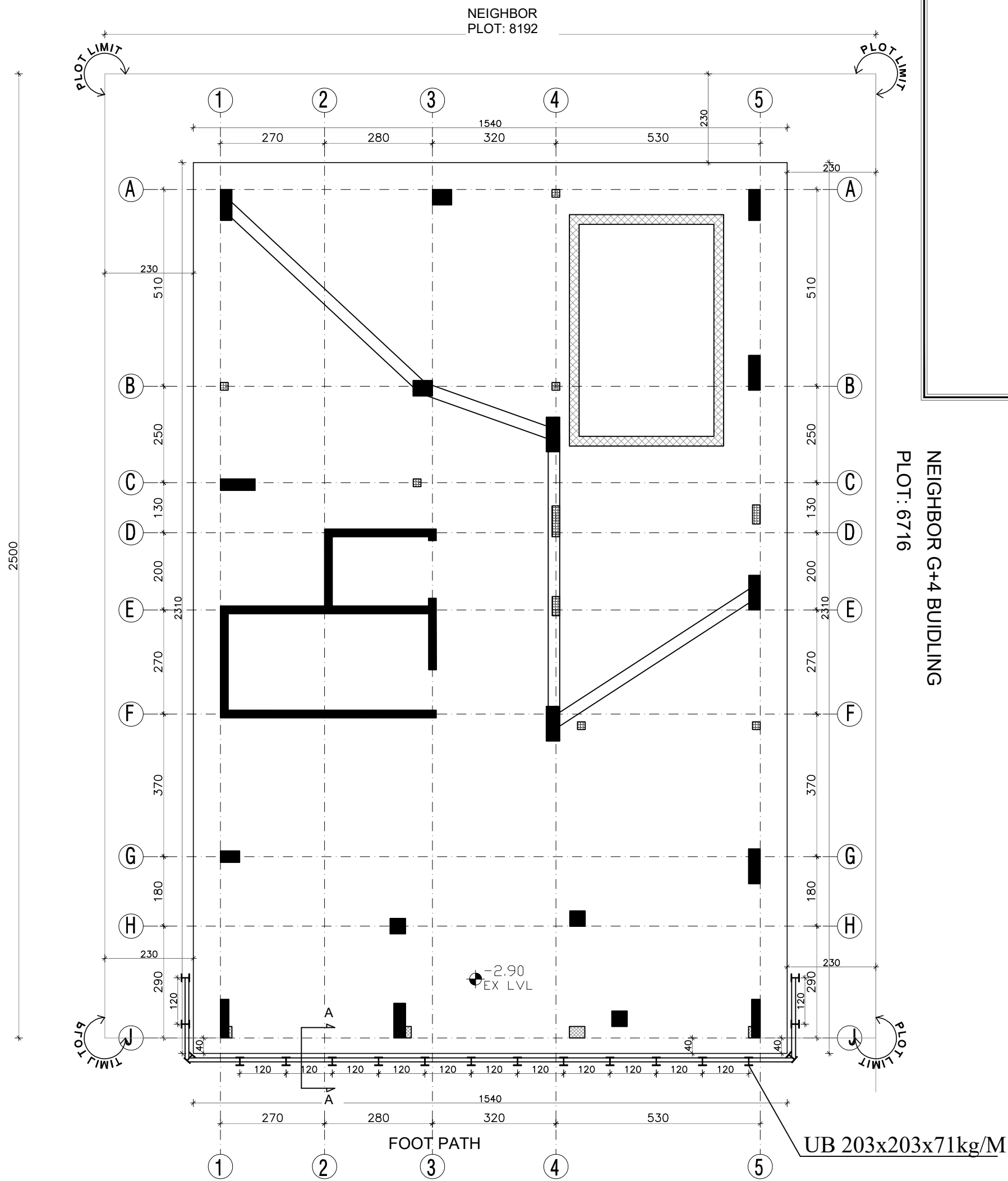
NO.:

TITLE:

FOOTING LAYOUT

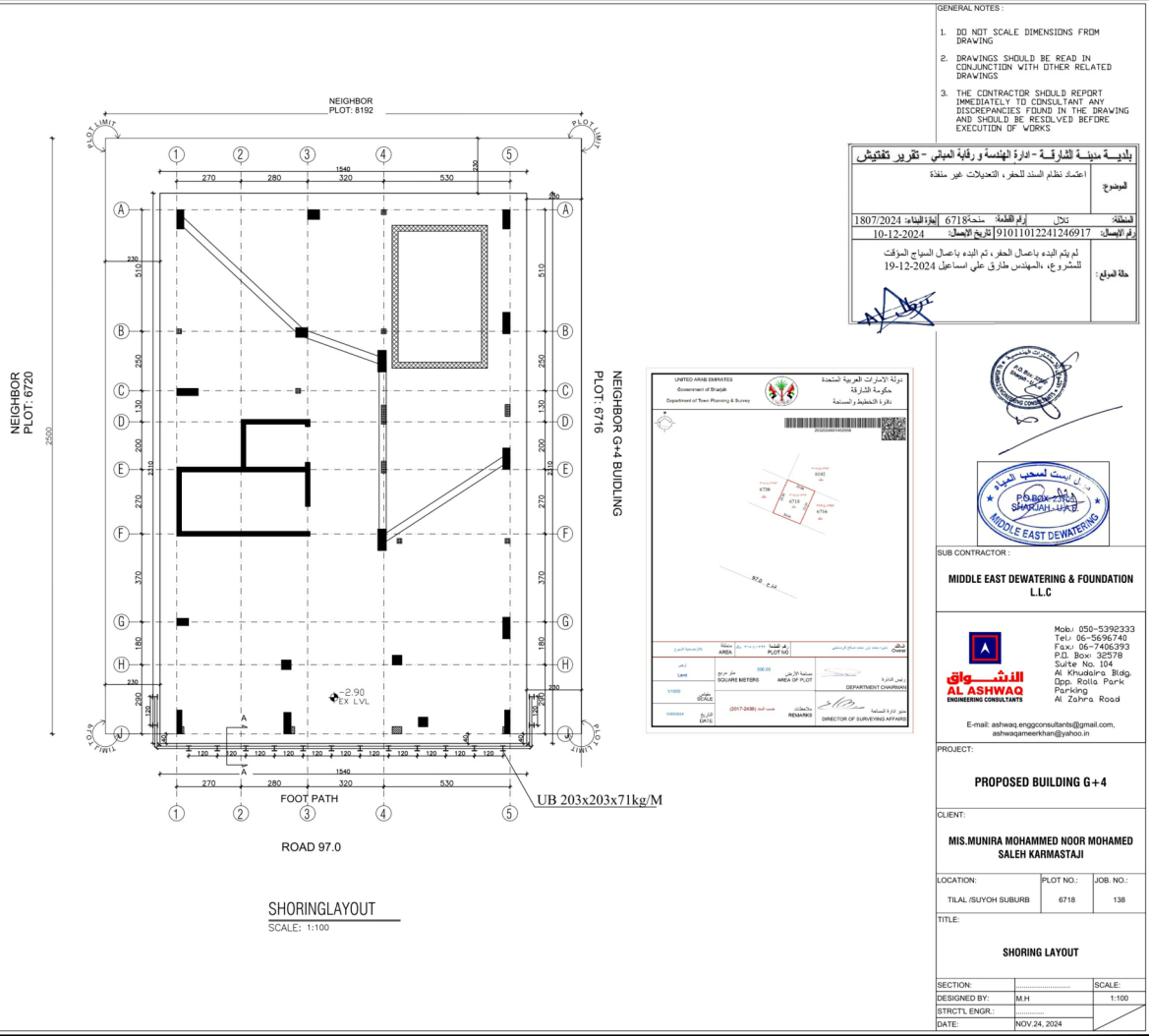
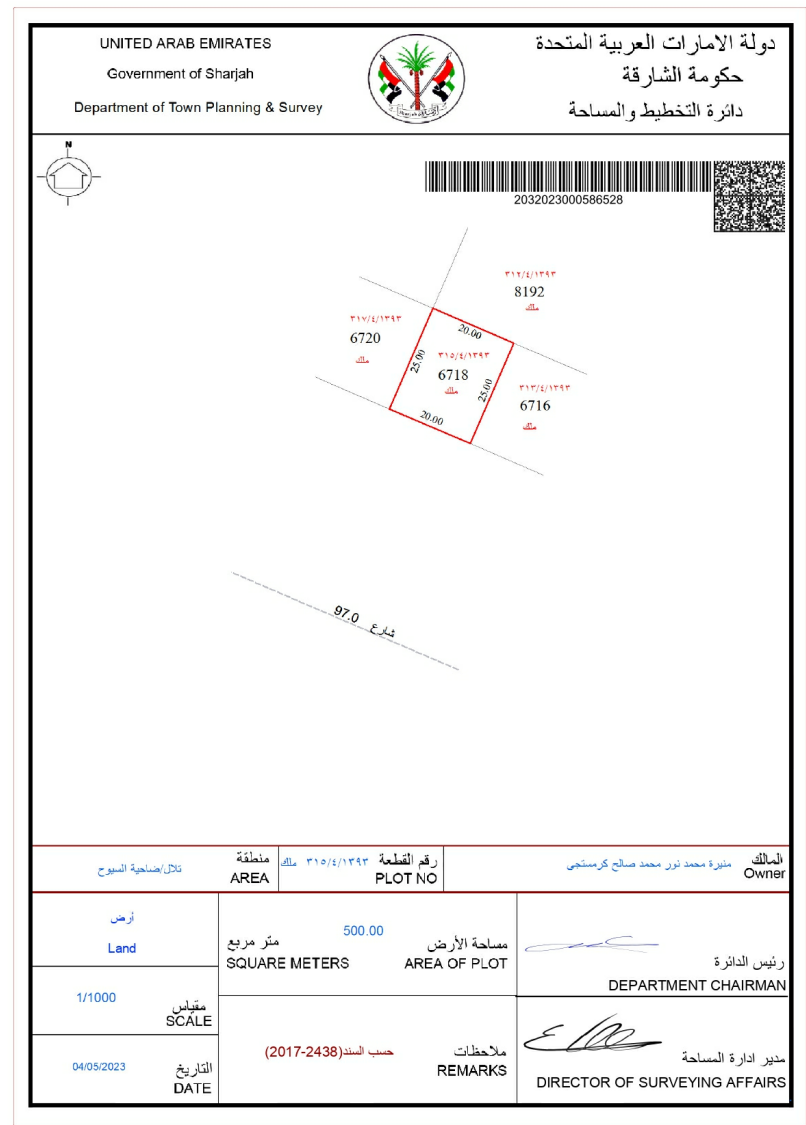
SECTION:		SCALE:
DESIGNED BY:	M.H	1:100
STRCT'L ENGR.:		S-01
DATE:	JANUARY 29, 2025	

NEIGHBOR
PLOT: 6720



SHORINGLAYOUT
SCALE: 1:100

NEIGHBOR G+4 BUILDING
PLOT: 6716



GENERAL NOTES :

- DO NOT SCALE DIMENSIONS FROM DRAWING
- DRAWINGS SHOULD BE READ IN CONJUNCTION WITH OTHER RELATED DRAWINGS
- THE CONTRACTOR SHOULD REPORT IMMEDIATELY TO CONSULTANT ANY DISCREPANCIES FOUND IN THE DRAWING AND SHOULD BE RESOLVED BEFORE EXECUTION OF WORKS



SUB CONTRACTOR :

MIDDLE EAST DEWATERING & FOUNDATION
L.L.C



Mob.: 050-5392333
Tel.: 06-5696740
Fax.: 06-7406393
P.O. Box: 32578
Suite No. 104
Al Khudaira Bldg.
Opp. Rolla Park
Parking
Al Zahra Road

E-mail: ashwaq.enggconsultants@gmail.com,
ashwaqameerkhan@yahoo.in

PROJECT:

PROPOSED BUILDING G+4

CLIENT:

MIS.MUNIRA MOHAMMED NOOR MOHAMED
SALEH KARMASTAJI

LOCATION:

TILAL /SUYOH SUBURB

PLOT NO.:

6718

JOB. NO.:

138

TITLE:

SHORING LAYOUT

SECTION:

DESIGNED BY:

STRCT'L ENGR.:

DATE:

SCALE:

1:100

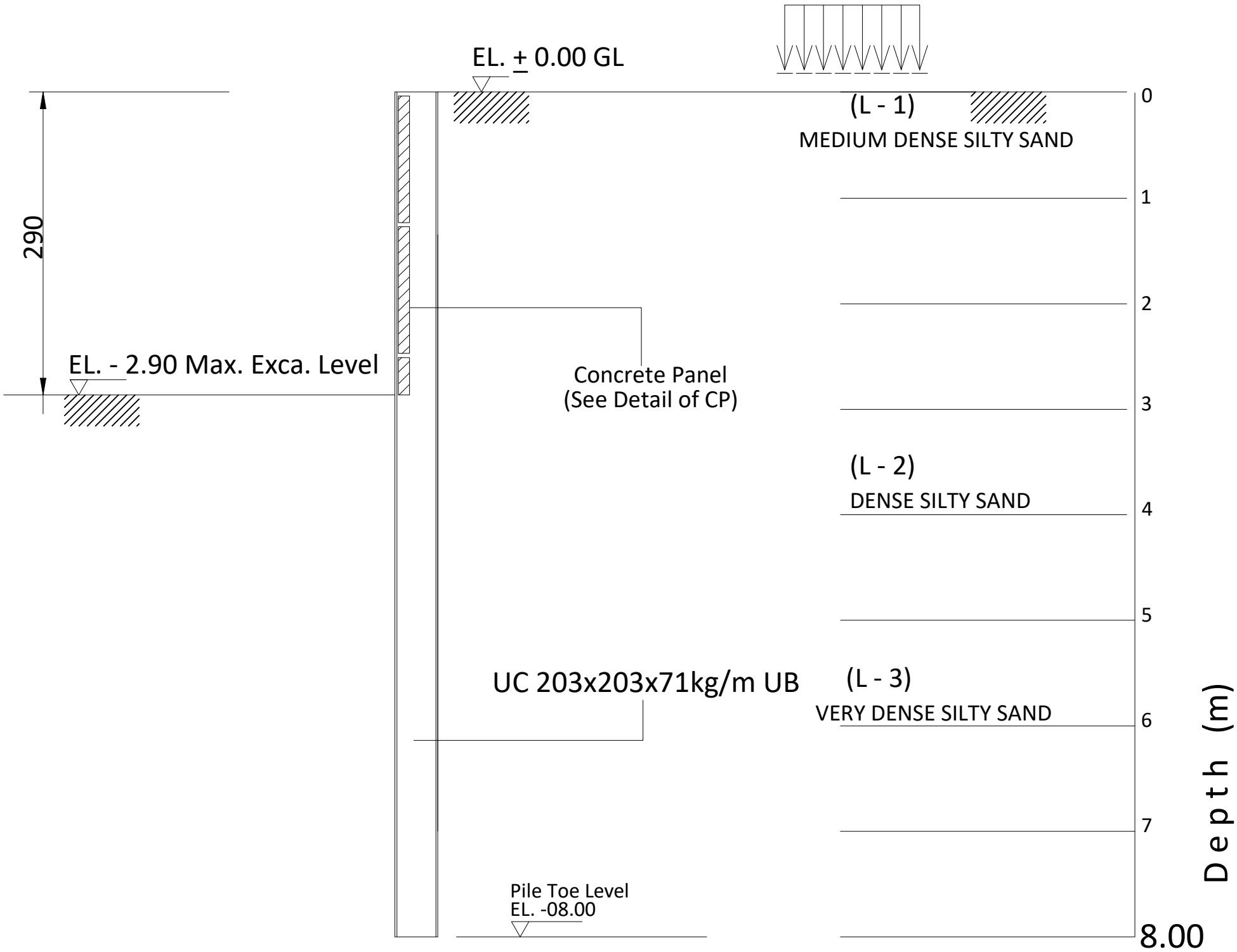
S-02

JANUARY.29, 2025

EXCAVATION SIDE

EARTH SIDE

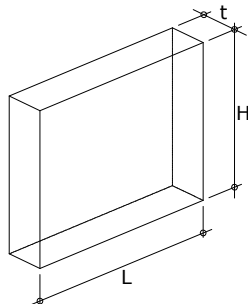
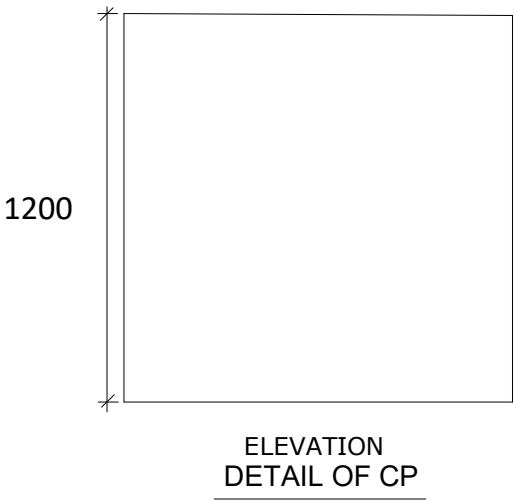
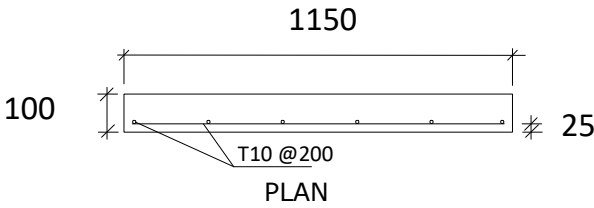
SURCHARGE $q = 20\text{kpa}$



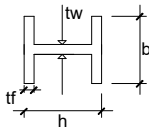
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	



SECTION PROPERTIES



H-BEAM L = 08.00m	
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,tf (mm)	17.3
WEB,tw (mm)	10
MODULUS, Zx	
PLASTIC (cm ³)	706



GENERAL NOTES :

- DO NOT SCALE DIMENSIONS FROM DRAWING
- DRAWINGS SHOULD BE READ IN CONJUNCTION WITH OTHER RELATED DRAWINGS
- THE CONTRACTOR SHOULD REPORT IMMEDIATELY TO CONSULTANT ANY DISCREPANCIES FOUND IN THE DRAWING AND SHOULD BE RESOLVED BEFORE EXECUTION OF WORKS



Modification only for cloud parts



SUB CONTRACTOR :

MIDDLE EAST DEWATERING & FOUNDATION
L.L.C



Mob.: 050-5392333
Tel.: 06-5696740
Fax.: 06-7406393
P.O. Box: 32578
Suite No. 104
Al Khudaira Bldg.
Opp. Rolla Park
Parking
Al Zahra Road

E-mail: ashwaq.enggconsultants@gmail.com,
ashwaqameerkhan@yahoo.in

PROJECT:

PROPOSED BUILDING G + 4

CLIENT:

MIS.MUNIRA MOHAMMED NOOR MOHAMED
SALEH KARMASTAJI

LOCATION:

TILAL /SUYOH SUBURB

PLOT NO.:

6718

JOB. NO.:

138

TITLE:

SHORING SECTION

SECTION:

DESIGNED BY:

STRCT'L ENGR.:

DATE:

SCALE:

1:100

S-03

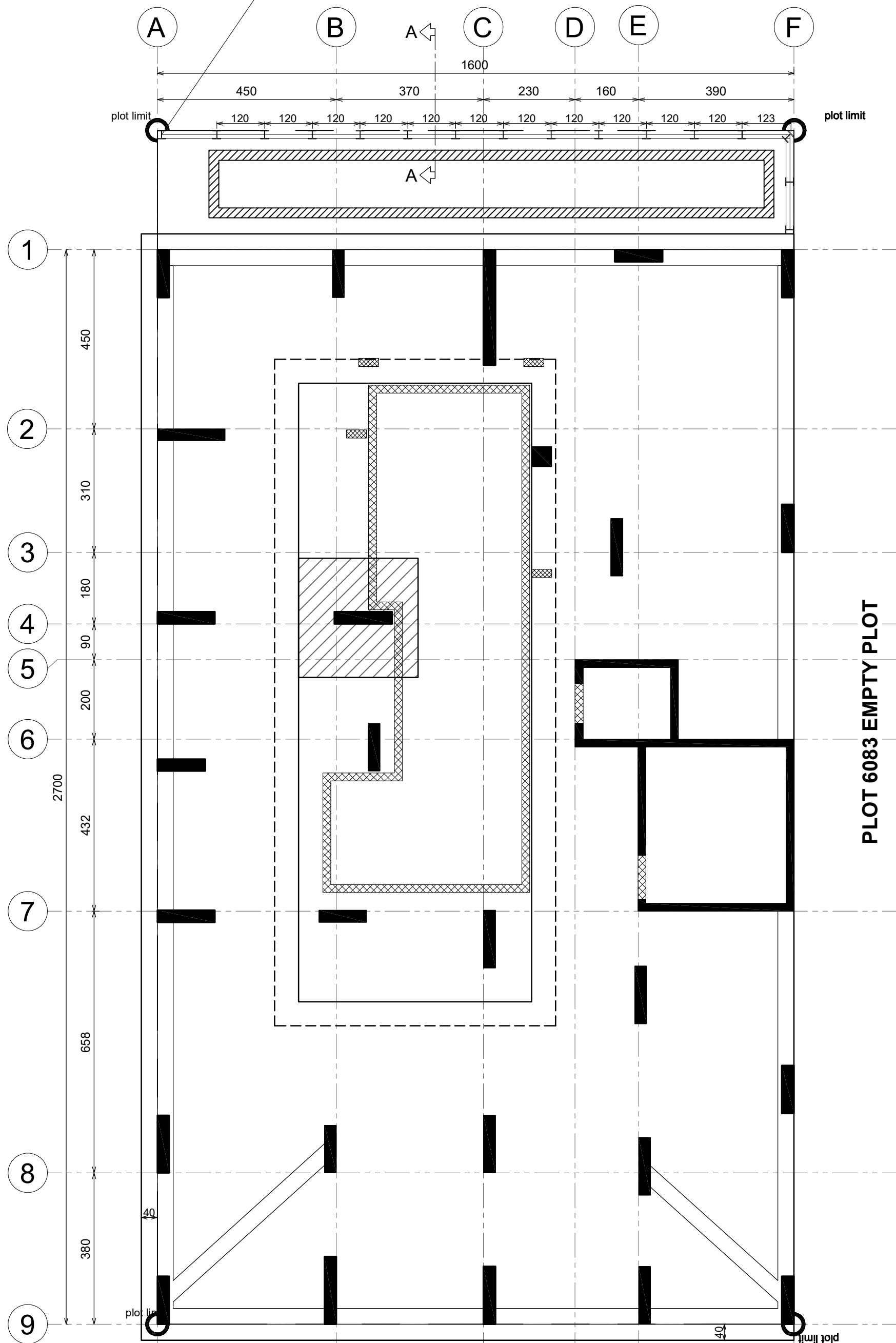
JANUARY.29, 2025

SEKA 6.00 M

SHORING LAYOUT

SCALE : 1-100

ROAD 24.00 M



1. IT IS NOT ALLOWED TO REPRODUCE THIS SHEET'S CONTENTS IN ANY FORM EXCEPT FOR THE PURPOSE FOR WHICH IT IS INTENDED.
2. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED.
3. ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION.
4. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.
5. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT SECURING WRITTEN PERMISSION FROM THE ARCHITECT.
6. ALL WORK AS OUTLINED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES.
7. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



SUB CONTRACTOR:
**MIDDLE EAST DEWATERING
& FOUNDATION L.L.C**

CLIENT NAME:

**Mahmood Hussain Ali
Ahmad**

PROPOSED PROJECT:
PROPOSED BUILDING
(G+4TYP+50% OF 5th FLOOR)

PROJECT LOCATION:
MUWAILEH COMMERCIAL

<u>MULK NO:</u> 117/3131	<u>PLOT NO:</u> 6085
---------------------------------	-----------------------------

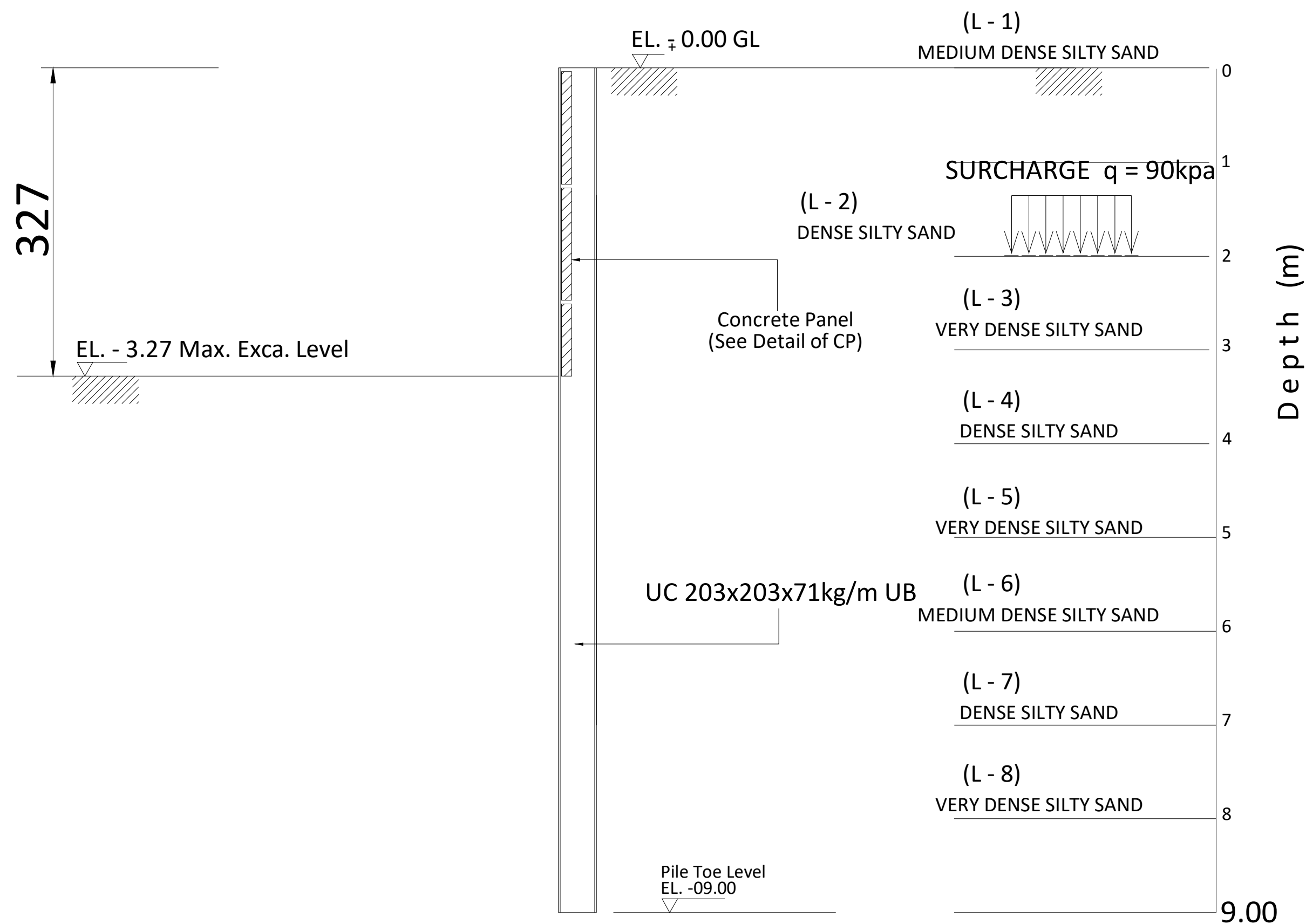
SHEET CONTENT:

SHORING LAYOUT

HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY REVIT	
STRUCT. DESIGNED BY ENG. M.H		ENG. SALAM ALYAGHSHI	
ELEC. DESIGNED BY		MUN. CREATED BY REVIT	
SERVICES DESIGNED BY			
Project NUMBER: 4492		DRAWING NUMBER:	
DATE 21/01/2025		SCALE 1 : 100	REF. NO.
NO.	DATE	REVISIONS	

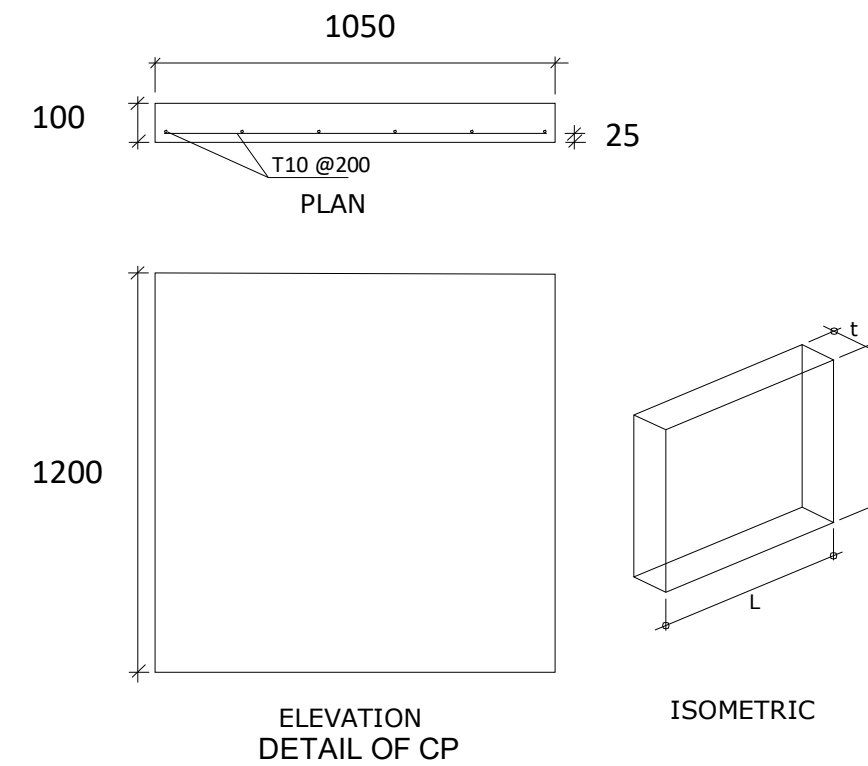
EXCAVATION SIDE

EARTH SIDE

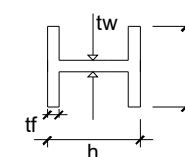


SECTION A - A

SCHEDULE OF CONCRETE PANEL		
THK(mm)	SECTION	REMARKS
100	1200x1050	



SECTION PROPERTIES



H-BEAM L = 09.00m	
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,tf (mm)	17.3
WEB,tw (mm)	10
MODULUS, Zx	
PLASTIC (cm ³)	706

GENERAL NOTES:-

1. IT IS NOT ALLOWED TO REPRODUCE THIS SHEET'S CONTENTS IN ANY FORM EXCEPT FOR THE PURPOSE FOR WHICH IT IS INTENDED.
2. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED.
3. ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION.
4. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.
5. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT SECURING WRITTEN PERMISSION FROM THE ARCHITECT.
6. ALL WORK IS QUANTIFIED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES.
7. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



SUB CONTRACTOR:

**MIDDLE EAST DEWATERING
& FOUNDATION L.L.C**

CLIENT NAME:

**Mahmood Hussain Ali
Ahmad**

PROPOSED PROJECT:

**PROPOSED BUILDING
(G+4TYP+50% OF 5th FLOOR)**

PROJECT LOCATION:

MUWAILEH COMMERCIAL

MULK NO: 117/3131

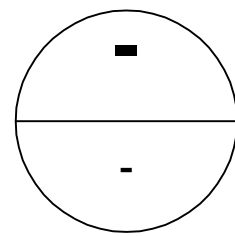
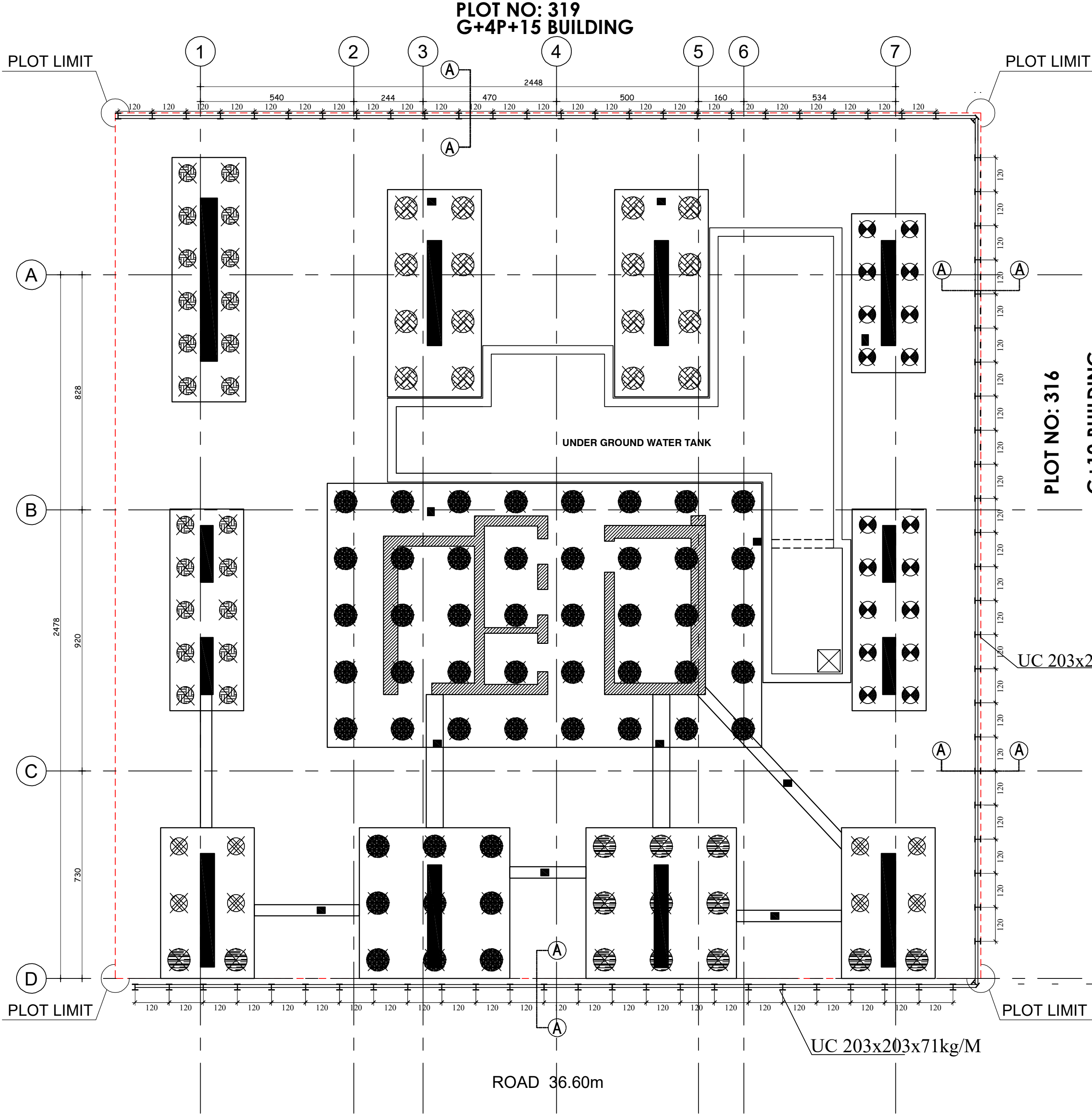
PLOT NO: 6085

SHEET CONTENT:

SHORING SECTION

HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY REVIT	
STRUCT. DESIGNED BY ENG. M.H		ENG. SALAM ALYAGHSHI	
ELEC. DESIGNED BY		MUN. CREATED BY REVIT	
SERVICES DESIGNED BY			
Project NUMBER: 4492		DRAWING NUMBER:	
DATE 21/01/2025		SCALE 1 : 100	REF. NO.
NO.	DATE	REVISIONS	

PLOT NO: 320
G+5P+15 BUILDING



SHORING LAYOUT

1:100



GENERAL NOTES:
1. DO NOT SCALE FROM THE DRAWINGS.
2. ALL DIMENSIONS ARE IN CENTIMETRES AND LEVELS IN METRES UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS TO BE VERIFIED ON SITE & APPROVED BY THE SUPERVISOR. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND ALL RELEVANT SECTIONS OF THE SPECIFICATIONS.
4. ALL EXTERNAL WALLS SHALL BE 200mm THK. THERMALLY INSULATED BLOCK WORK.
5. ALL PARTITION WALLS BETWEEN FLATS SHALL BE 200mm THK. & THE OTHER SHALL BE 180mm THK. LIGHT WEIGHT BLOCK WORK.
6. ALL WALLS OF G.T.S. SHALL BE 200mm THK. THERMALLY INSULATED BLOCK WORK.
7. EXTERNAL WINDOWS ARE REFLECTIVE DOUBLE GLAZING.

Legend:
A Approved As Submitted
B Approved As Noted
C Revise and Resubmit
D Rejected
Signature: _____ Date: _____

PROJECT PHASE :			
REVISION	ISSUED FOR	DATE	CHECK

SUB CONTRACTOR :
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



PLOT NO.	Area	City
318	ALKHAN	Sharjah

PROJECT:
PROPOSED G + 4PODIUMS+15 FLOORS +ROOF

CLIENT :
AL BARAKAH INVESTMENT LLC

DRAWING TITLE :
SHORING LAYOUT

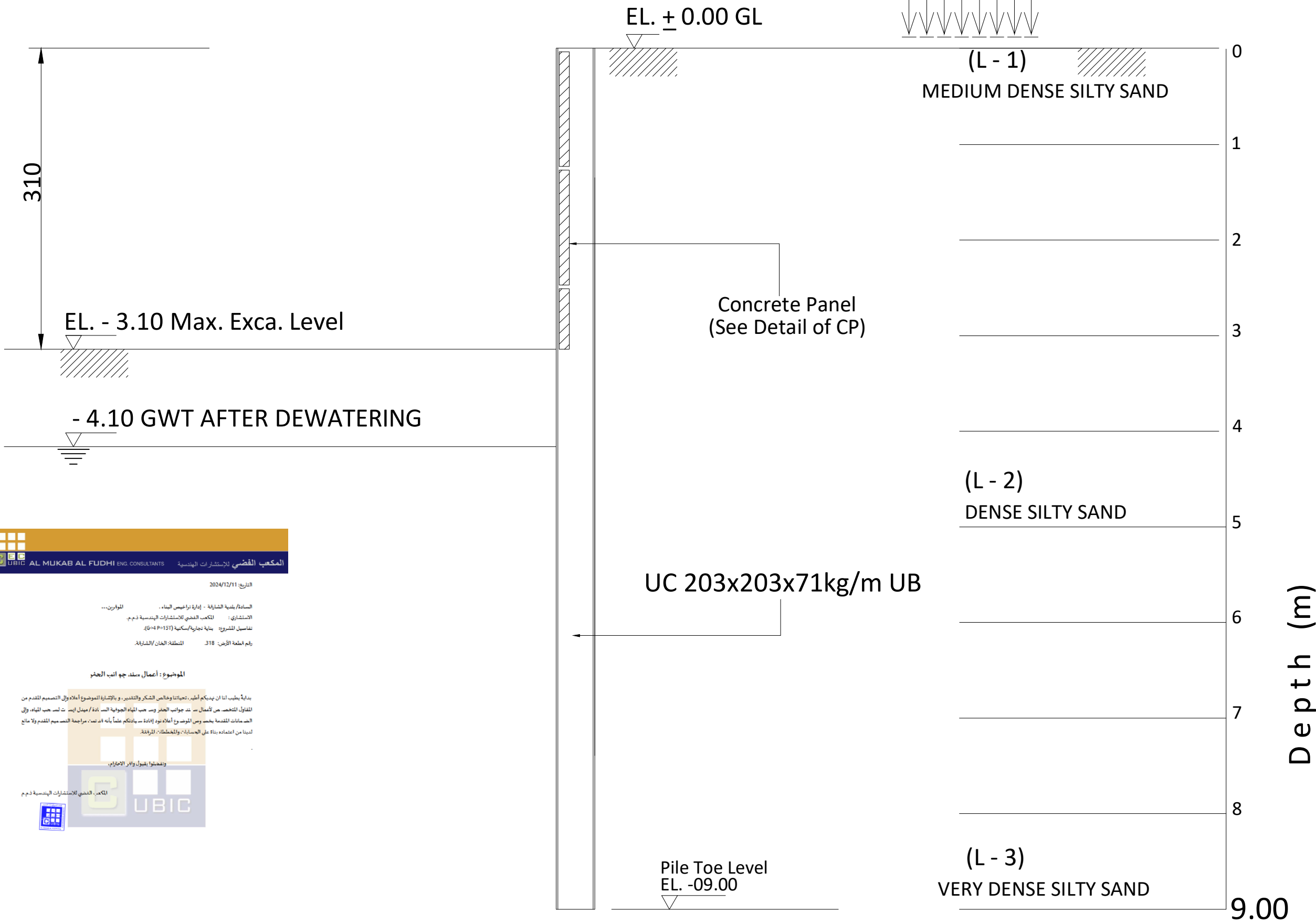
APPROVED BY: H.S
DRAWN BY: ENG. M.H
1st ISSUE DATE: 26-08-2024
SCALE: NILL

PROJECT NO.
224008
SHEET NO.
S-08
REVISION NO.
00

EXCAVATION SIDE

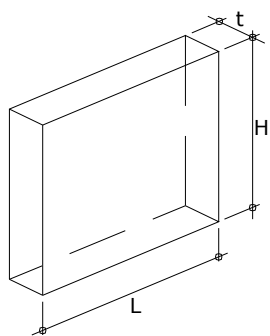
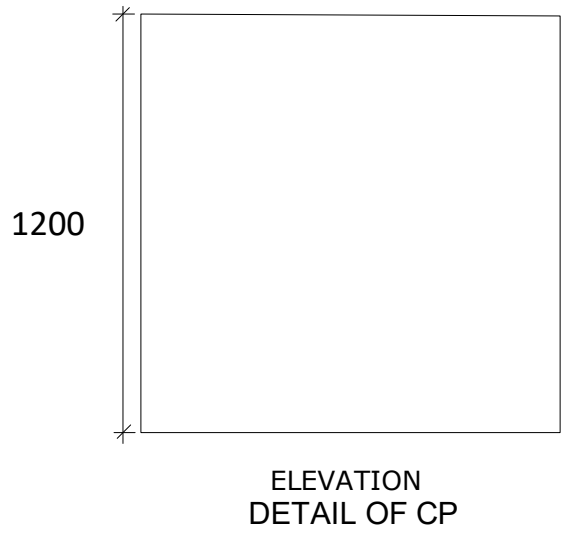
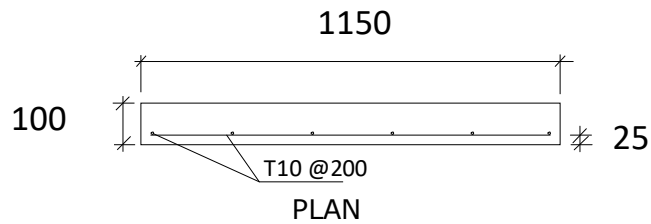
EARTH SIDE

SURCHARGE $q = 20\text{kpa}$



SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	



SECTION PROPERTIES

H-BEAM	L = 09.00m
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,t _f (mm)	17.3
WEB,t _w (mm)	10
MODULUS, Z _x	
PLASTIC (cm ³)	706



Sharjah Tel: +971 6 5485454 - Fax: +971 6 5485445 - P.O. Box: 23827
Dubai Tel: +971 4 4207751 - Fax: +971 4 4207752 - P.O. Box: 95336
info@cubic.com www.cubic.com
Address: Al Khan Cornish - Al Vahia Residence Tower - Off. #01

SECTION A - A



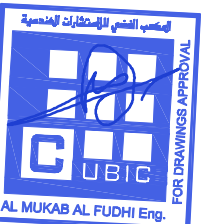
GENERAL NOTES:
1. DO NOT SCALE FROM THE DRAWINGS.
2. ALL DIMENSIONS ARE IN CENTIMETRES AND LEVELS IN METRES UNLESS NOTED OTHERWISE.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND ALL RELEVANT SECTIONS OF THE SPECIFICATIONS.
4. ALL EXTERNAL WALLS SHALL BE 20cm THK THERMALLY INSULATED BLOCK WORK.
5. ALL PARTITION WALLS BETWEEN FLATS SHALL BE 20 cm THK & THE OTHER SHALL BE 18 or 19 cm THK LIGHT WEIGHT BLOCK WORK.
6. ALL WALLS OF O.T.S. SHALL BE 20cm THK THERMALLY INSULATED BLOCK WORK.
7. EXTERNAL WINDOWS ARE REFLECTIVE DOUBLE GLAZING

- ☐ A Approved As Submitted
☐ B Approved As Noted
☐ C Revise and Resubmit
☐ D Rejected

Signature: _____ Date: _____

PROJECT PHASE :			
REVISION	ISSUED FOR	DATE	CHECK

SUB CONTRACTOR :
MIDDLE EAST DEWATERING & FOUNDATION
L.L.C



PLOT NO.	Area	City
318	ALKHAN	Sharjah

PROJECT:
PROPOSED 6 + 4PODIUMS+15
FLOORS +ROOF

CLIENT :
AL BARAKAH INVESTMENT LLC

DRAWING TITLE :
SHORING SECTION A

APPROVED BY: H.S

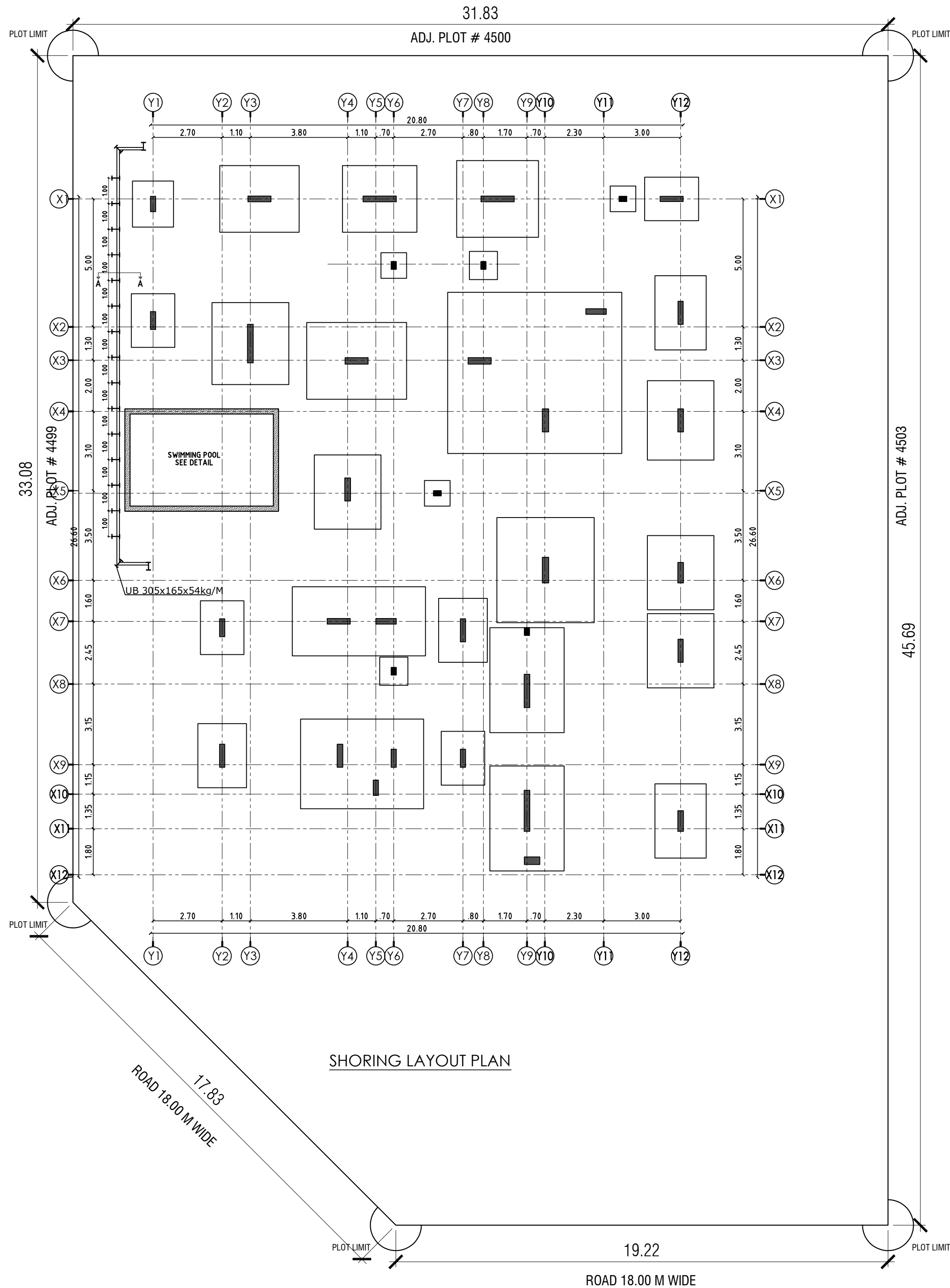
DRAWN BY: ENG. M.H

1st ISSUE DATE: 26-08-2024

SCALE: NILL



PROJECT NO.
224008
SHEET NO.
S-08
REVISION NO.
00



NOTES :

LABORATORY NAME : AL MAMAAS ENG. LAB.
SOIL REPORT REF. No. : MSI-23-34
Date : 27/01/2023

- 1-The Allowable B.C is 140 KN/M2 up to 2.0M,
The Allowable B.C is 125 KN/M2 up to 3.0M,
The Allowable B.C is 110 KN/M2 up to 4.0M,

- 2- Foundation level is -1.00M Lvl.
3- Excavation depth is -4.60M Lvl.

- 4-The Contractor is fully responsible to verify the designed S.B.C before start in any works and if there is any discrepancies in the design/dwg. the contractor should verify with consultant.
5-Center of columns should be co-axial with center of footings except other than mentioned in the drawings for eccentric footing.
6-Ground beam top level should be matching with the Architectural ground floor levels.

MUNICIPALITY STAMP:



NOTES

- (1) THIS DRAWING IS NOT TO BE SCALED, STATED DIMENSIONS ONLY ARE TO BE CONSIDERED.
(2) ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND TO THE ATTENTION OF THE ENGINEER AND RESOLVED BEFORE COMMENCEMENT OF ANY WORKS.
(3) ALL DIMENSIONS ARE IN CENTIMETERS, UNLESS OTHERWISE SPECIFIED.
(4) ALL LEVEL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
(5) THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWING AND ALL RELEVANT SECTIONS OF THE SPECIFICATION.
(6) CONTRACTOR SHOULD SUBMIT SHOP DRAWINGS AND DETAILS FOR APPROVAL BEFORE STARTING ANY WORKS.
- F.F.L FINISHED FLOOR LEVEL - R.L ROAD LEVEL
- F.S.L FINISHED SITE LEVEL - T.L TOP LEVEL
- C.L CONCRETE LEVEL

△			
△			
△			
△			
△			

REV. NO	DATE	REVISIONS	REV. BY
---------	------	-----------	---------

REVISIONS AND ISSUES

MAIN CONSULTANTS

الرؤية الذكية للاستشارات الهندسية ذ.م.ق

UAE - Sharjah - Al MAJAZ - CORNICH ELBOUHIRA
AL BATHA TOWER - OFF. 2002-03
TEL. : +971 6 521 0222 FAX : +971 6 521 0252
P.O.Box : 77133, E-mail : smart.vision.shj@gmail.com

SMART VISION

PROJECT: PROPOSED VILLA (G) + SERVICE
BLOCK + CARSHED + SWIMMING POOL
+ COMPOUND WALL

CLIENT NAME:
ABDELAZIZ HASSAN YOUSIF HASSAN
ALOBEIDLI

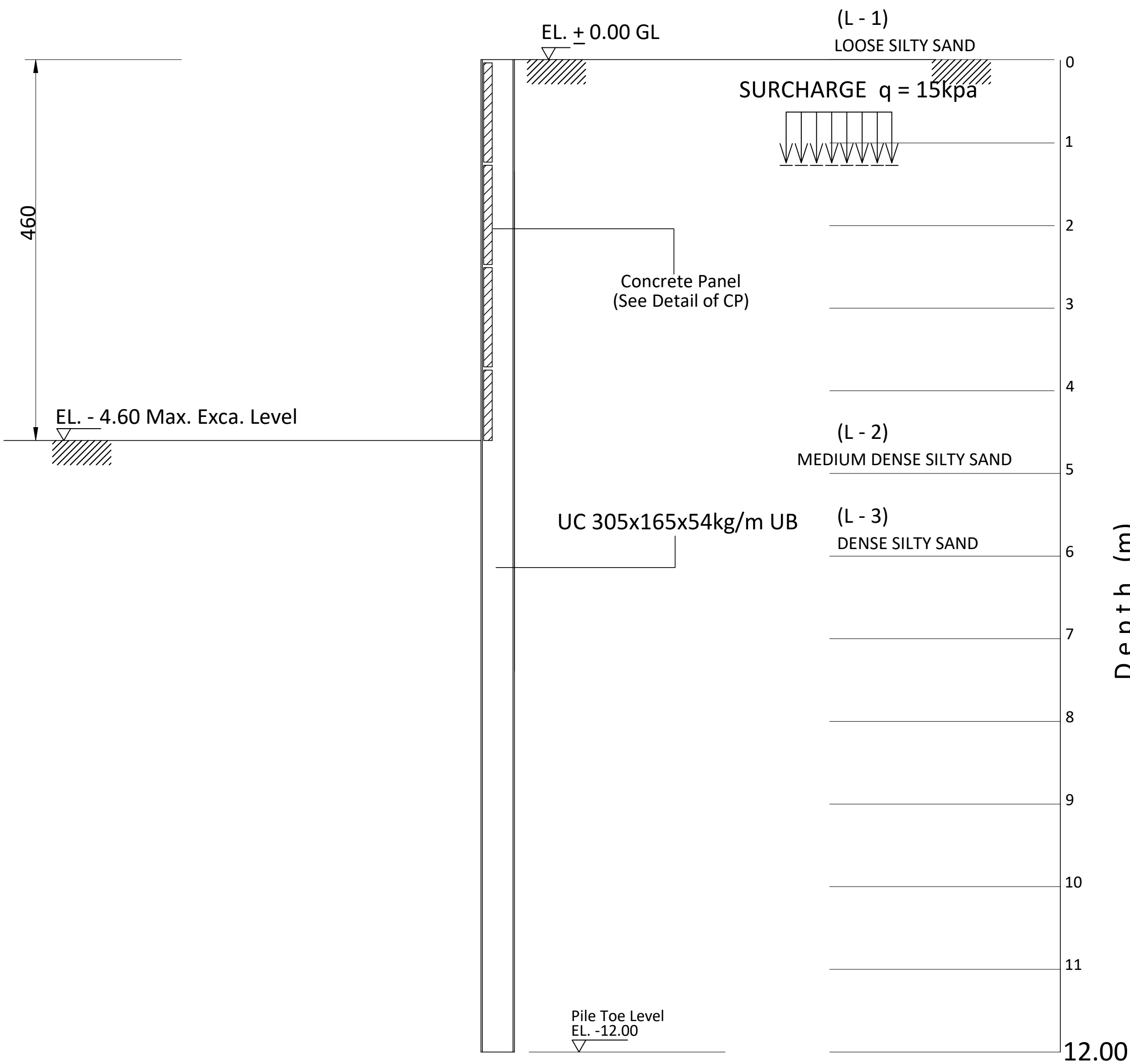
PLOT NO: GOV-4501
MULK - KSHISHA 4
LOCATION: AL RAHMANYA SUBURB

DRWG. TITLE:
SHORING LAYOUT

DATE :- JANUARY - 2024	JOB NO. 1665-SHJ
SCALE 1 : 100	DRAWING NO. S-105B
DRAWN BY: RRO	SHEET NO.
DESIGNED BY: RRO	
CHECKED BY: AHS	

EXCAVATION SIDE

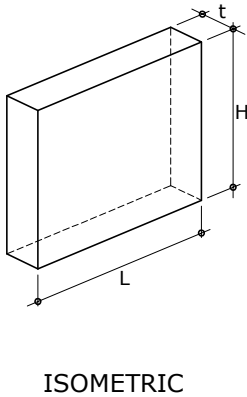
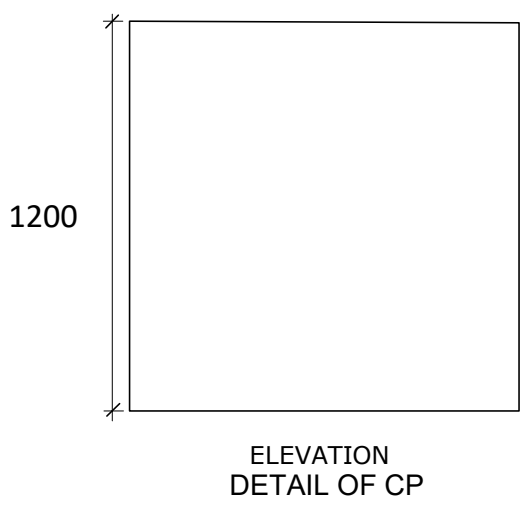
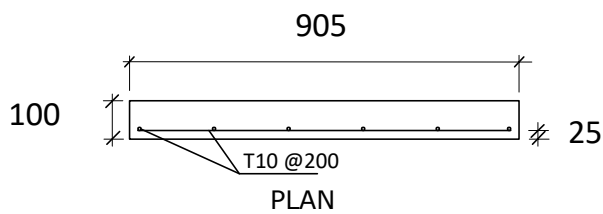
EARTH SIDE



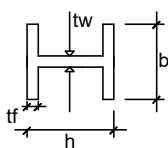
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1050	



SECTION PROPERTIES



H-BEAM	L = 12.00m
SECTION	305x165x54kg/M
MASS (kg/m)	54
DEPTH,h (mm)	310.4
WIDTH,b (mm)	166.9
FLANGE,tf (mm)	13.7
WEB,tw (mm)	7.9
MODULUS, Zx	
PLASTIC (cm ³)	753.6



NOTES :

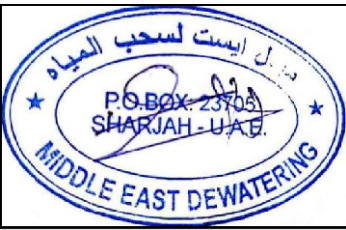
LABORATORY NAME : AL MAMAAS ENG. LAB.
SOIL REPORT REF. No. : MSI-23-34
Date : 27/01/2023

- 1-The Allowable B.C is 140 KN/M2 up to 2.0M,
The Allowable B.C is 125 KN/M2 up to 3.0M,
The Allowable B.C is 110 KN/M2 up to 4.0M,

- 2- Foundation level is -1.00M Lvl.
3- Excavation depth is -4.60M Lvl.

- 4-The Contractor is fully responsible to verify the designed S.B.C before start in any works and if there is any discrepancies in the design/dwg. the contractor should verify with consultant.
5-Center of columns should be co-axial with center of footings except other than mentioned in the drawings for eccentric footing.
6-Ground beam top level should be matching with the Architectural ground floor levels.

MUNICIPALITY STAMP:



- NOTES
(1) THIS DRAWING IS NOT TO BE SCALED,STATED DIMENSIONS ONLY ARE TO BE CONSIDERED.
(2) ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND TO THE ATTENTION OF THE ENGINEER AND RESOLVED BEFORE COMMENCEMENT OF ANY WORKS.
(3) ALL DIMENSIONS ARE IN CENTIMETERS, UNLESS OTHERWISE SPECIFIED.
(4) ALL LEVEL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
(5) THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL,MECHANICAL AND ELECTRICAL DRAWING AND ALL RELEVANT SECTIONS OF THE SPECIFICATION.
(6) CONTRACTOR SHOULD SUBMIT SHOP DRAWINGS AND DETAILS FOR APPROVAL BEFORE STARTING ANY WORKS.
- F.F.L FINISHED FLOOR LEVEL - R.L ROAD LEVEL
- F.S.L FINISHED SITE LEVEL - T.L TOP LEVEL
- C.L CONCRETE LEVEL

△			
△			
△			
△			
△			
REV. NO	DATE	REVISIONS	REV. BY

REVISIONS AND ISSUES

MAIN CONSULTANTS

الهيئة العامة للتخطيط العمراني
UAE - Sharjah - Al MAJAZ - CORNICH ELBOUHIRA
AL BATHA TOWER - OFF. 2002-03
TEL. : +971 6 521 0222 FAX : +971 6 521 0252
P.O.Box : 77133, E-mail : smart.vision.shi@gmail.com

PROJECT: PROPOSED VILLA (G) + SERVICE
BLOCK+CARSHED + SWIMMING POOL
+ COMPOUND WALL

CLIENT NAME:
ABDELAZIZ HASSAN YOUSIF HASSAN
ALOBEDLI

PLOT NO: GOV-4501
MULK - KSHISHA 4
AL RAHMANIYA SUBURB

DRWG. TITLE:
SHORING SECTION

DATE :- JANUARY - 2024	JOB NO.
SCALE 1 : 100	1665-SHJ
DRAWN BY: RRO	DRAWING NO.
DESIGNED BY: RRO	S-105B
CHECKED BY: AHS	SHEET NO.

EXCAVATION SIDE

EARTH SIDE

SURCHARGE $q = 20\text{kpa}$

EL. ± 0.00 GL
(L - 1)
MEDIUM DENSE SILTY SAND

(L - 2)
DENSE SILTY SAND

(L - 3)
MEDIUM DENSE SILTY SAND

(L - 4)
DENSE SILTY SAND

(L - 5)
VERY DENSE SILTY SAND

Concrete Panel
(See Detail of CP)

UC 203x203x71kg/m UB

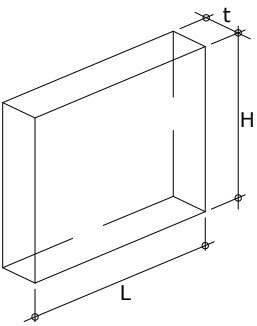
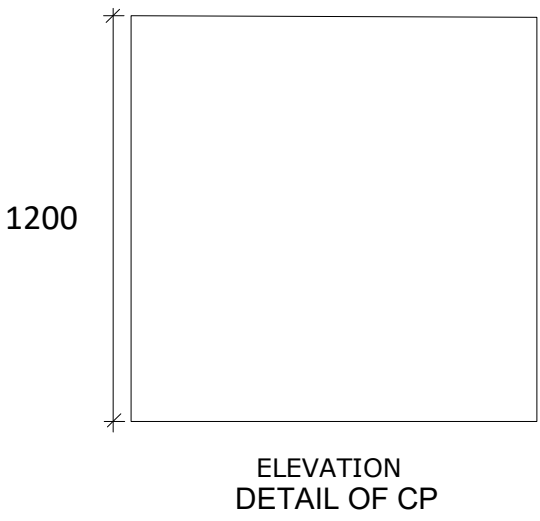
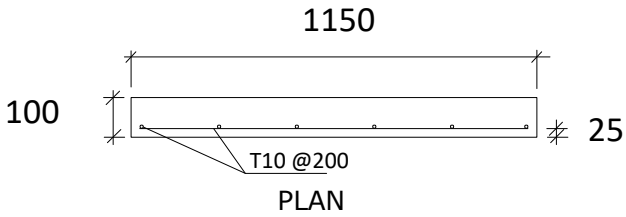
Pile Toe Level
EL. -12.00

Depth (m)

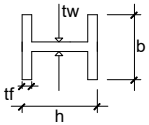
12.00

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	



SECTION PROPERTIES



H-BEAM L = 12.00m	
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,tf (mm)	17.3
WEB,tw (mm)	10
MODULUS, Zx	
PLASTIC (cm ³)	706



GENERAL NOTES :

- DO NOT SCALE FROM DRAWING.
- ALL DIMENSIONS TO BE VERIFIED ON SITE
- THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
- CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
- ALL MATERIAL TO BE APPROVED IN WRITEN BY ENGINEER.
- CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
- THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR :
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

DESIGN CONSULTANT:

الاستشارات
Engineering Consultancy



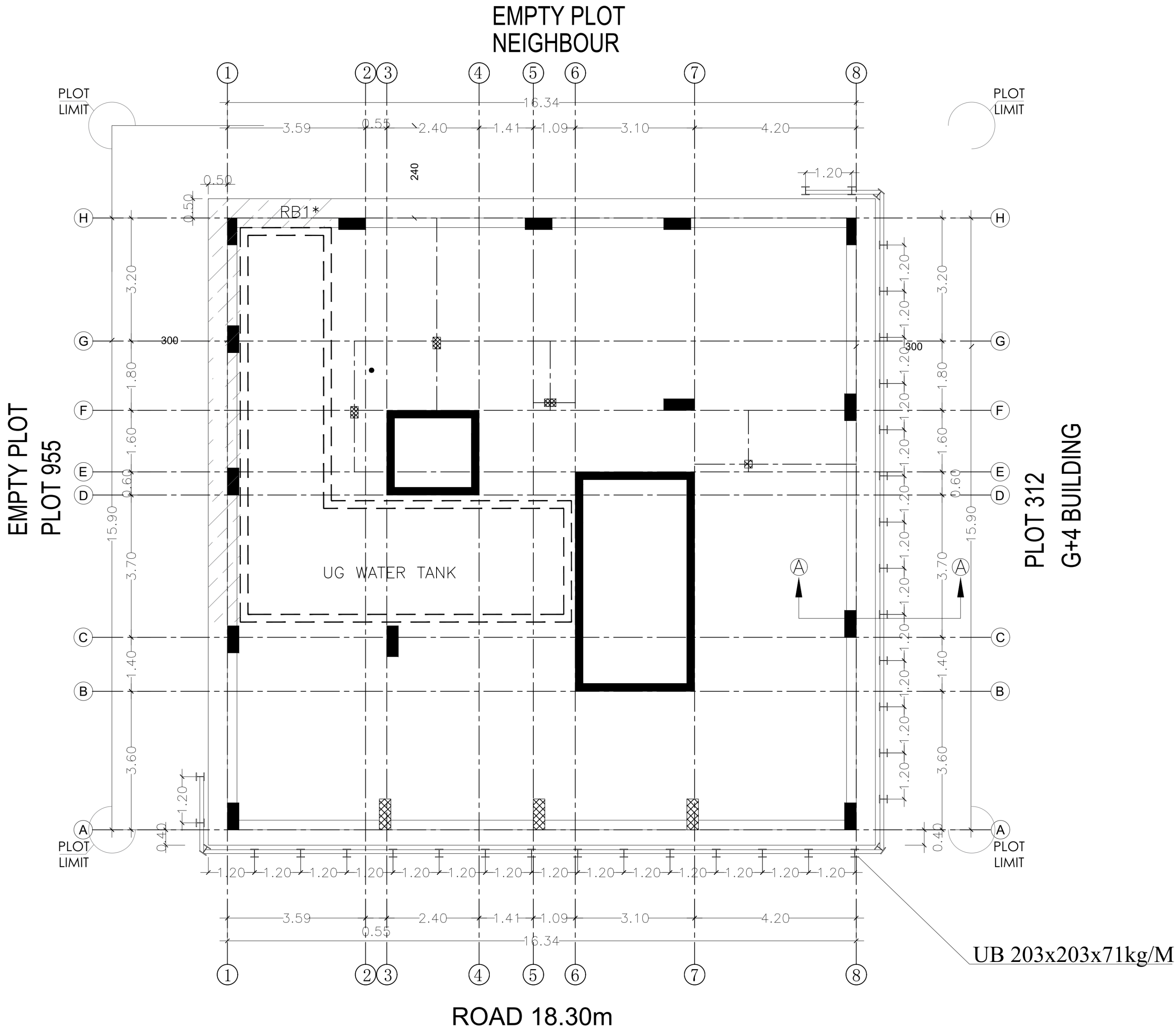
TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE EMAIL : investment.shj@gmail.com
www.investmentengineering.ae

CLIENT'S :-
MR.AHMED MOHAMMED ABDULLA BINBBUWAID ALMAZROUEI

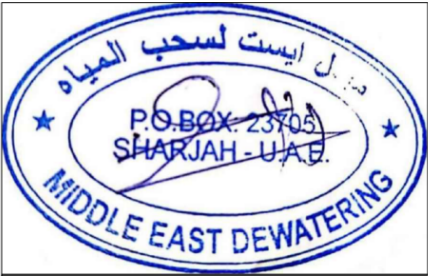
PROJECT TITLE :-
PROPOSED BUILDING G+2

DWG. TITLE :
SHORING SECTION A

PLOT NO:-	MULK 650 GOV. 585	BLOCK:- AL TAY WEST / SEYOUH	
DESIGNED BY:- M.H	CORDINATED BY:- -----	APPROVED BY:- H.S	DRAWING NO. :-
3D PERSPECTIVE BY:- -----	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 28.11.2024	JOB NO. :- INV 349



GENERAL NOTICE



SUB CONTRACTOR:
MIDDLE EAST DEWATERING
& FOUNDATION L.L.C



Tel +971-65500770
Mob +971-527990444
Fax +971-65500775
Email: rasmaeng@gmail.com
P.O.Box: 22220_SHARJA_U.A.E

PROJECT:
PROPOSED BUILDING
(GR+4TYPICAL FLOORS)

PLOT NO.: 5 Gov
695 Mulk
AREA : ALQULEAA

CLIENT:
HANAN AHMED SANQOR

TITLE : SHORING LAYOUT

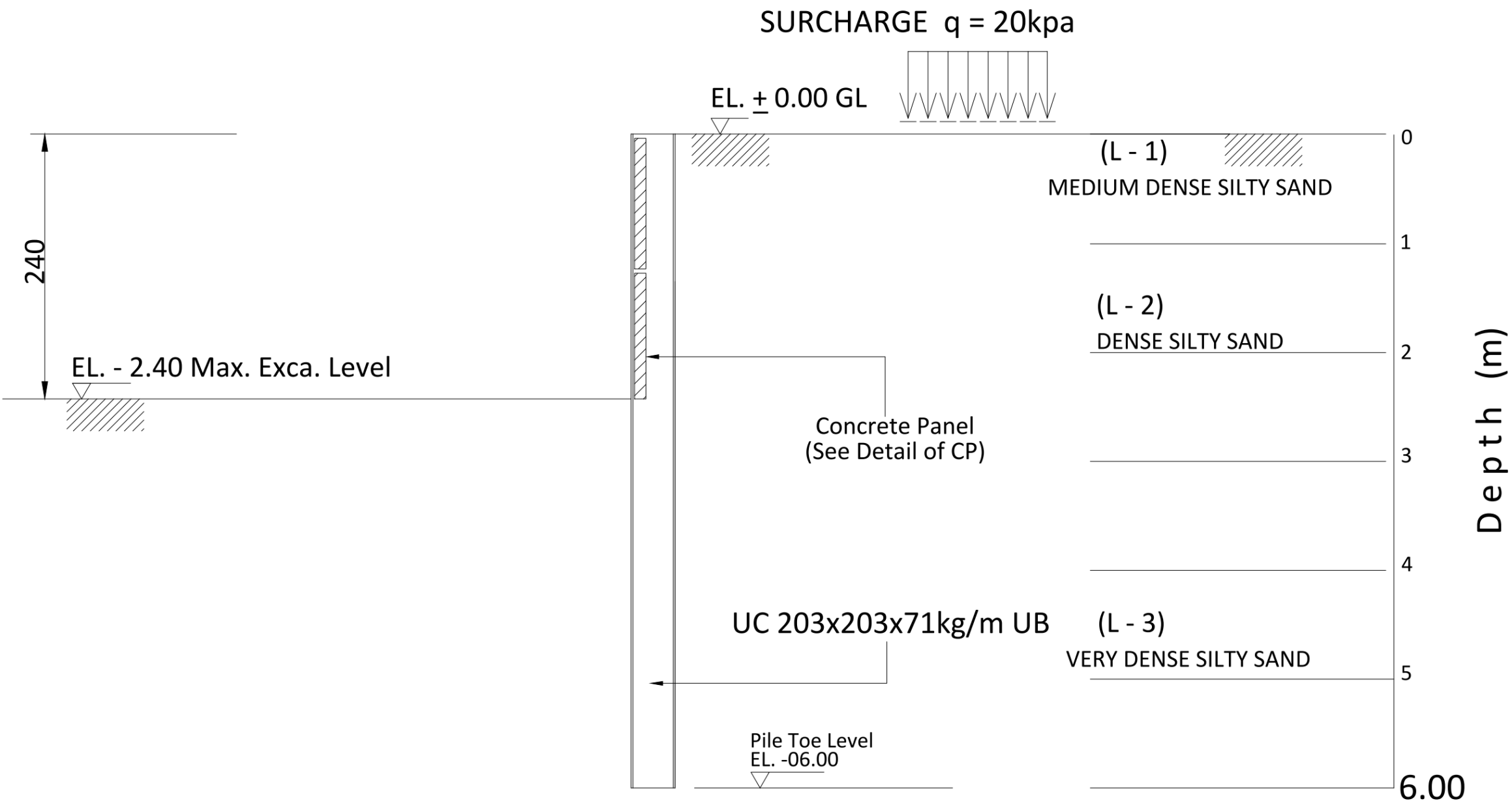
JOB NO.:
DATE : 13-11-2024
SCALE: 1/100

DESIGN BY: Eng.M.H
CHECK BY: Eng.H.S

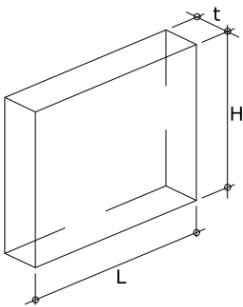
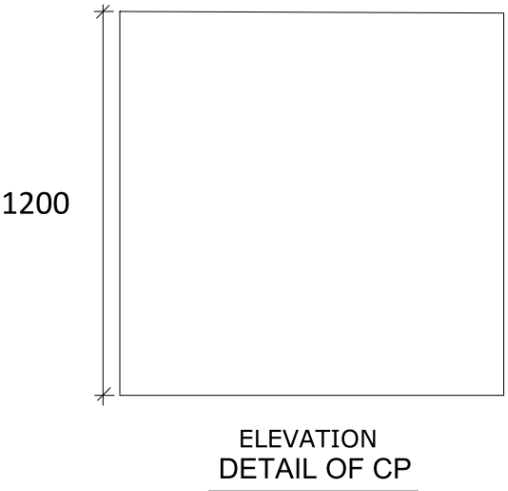
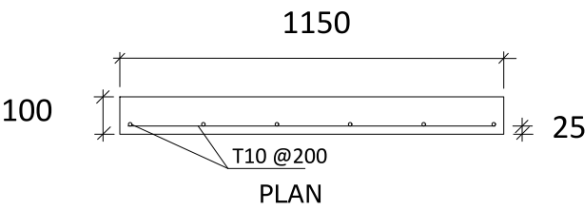
SHEET NO: S - / 02

EXCAVATION SIDE

EARTH SIDE

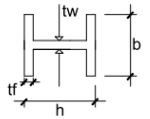


SCHEDULE OF CONCRETE PANEL		
THK(mm)	SECTION	REMARKS
100	1200x1150	



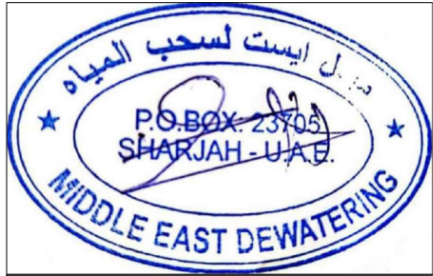
ISOMETRIC

SECTION PROPERTIES



H-BEAM	L = 06.00m
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,tf (mm)	17.3
WEB,tw (mm)	10
MODULUS, Zx	
PLASTIC (cm ³)	706

GENERAL NOTICE



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& FOUNDATION L.L.C



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P.O.Box: 22220_SHARJA, U.A.E

PROJECT:
PROPOSED BUILDING
(GR+4TYPICAL FLOORS)

PLOT NO.: 5 Gov
695 Mulk

AREA : ALQULEAA

CLIENT:
HANAN AHMED SANQOR

TITLE : SHORING SECTION

JOB NO.: -----

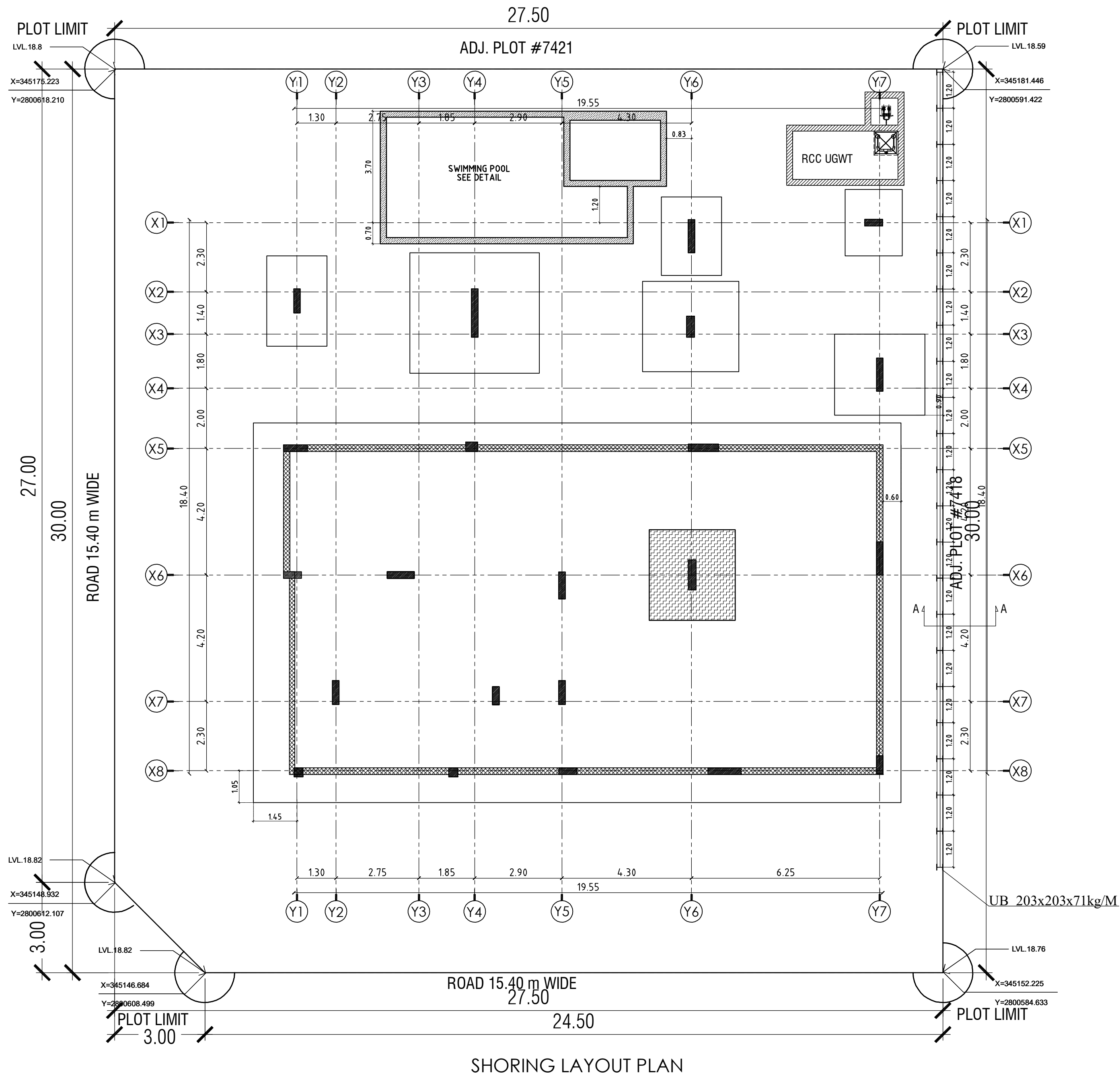
DATE : 13-11-2024

SCALE:
1/100

DESIGN BY:
Eng.M.H

CHECK BY:
Eng.H.S

SHEET NO: S - / 02



NOTES :

LABORATORY NAME : GULF SOIL & BLDG. MATERIALS TESTING LABORATORY

SOIL REPORT REF. No. : GGR-23-123

Date : 13/05/2023



NOTES

(1) THIS DRAWING IS NOT TO BE SCALED, STATED DIMENSIONS ONLY ARE TO BE CONSIDERED.

(2) ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND TO THE ATTENTION OF THE ENGINEER AND RESOLVED BEFORE COMMENCEMENT OF ANY WORKS.

(3) ALL DIMENSIONS ARE IN CENTIMETERS, UNLESS OTHERWISE SPECIFIED.

(4) ALL LEVEL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.

(5) THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWING AND ALL RELEVANT SECTIONS OF THE SPECIFICATION.

(6) CONTRACTOR SHOULD SUBMIT SHOP DRAWINGS AND DETAILS FOR APPROVAL BEFORE STARTING ANY WORKS.

- F.F.L FINISHED FLOOR LEVEL - R.L ROAD LEVEL
- F.S.L FINISHED SITE LEVEL - T.L TOP LEVEL
- C.L CONCRETE LEVEL

△			
△			
△			
△			
REV. NO	DATE	REVISIONS	REV. BY

REVISIONS AND ISSUES

MAIN CONSULTANTS

شركة الذكاء للإستشارات الهندسية ذ.م.ش

UAE - Sharjah - Al MAJAZ - CORNICH ELBOUHIRA
AL BATHA TOWER - OFF. 2022-03
TEL : +971 6 521 0222 FAX : +971 6 521 0252
P.O.Box : 77133, E-mail : smart.vision.sh@gmail.com

PROJECT:

PROPOSED VILLA (G+1+B) + SWIMMING POOL + CARSHED + COMPOUND WALL

CLIENT NAME:

MAJDI AHMAD M AWAWDEH

PLOT NO: GOV-7420 LOCATION: Muwallih Commercial/ Muwallih Commercial

DRWG. TITLE:

SHORING LAYOUT PLAN

DATE :- AUG - 2023

SCALE: 1 : 100

DRAWN BY: RRO

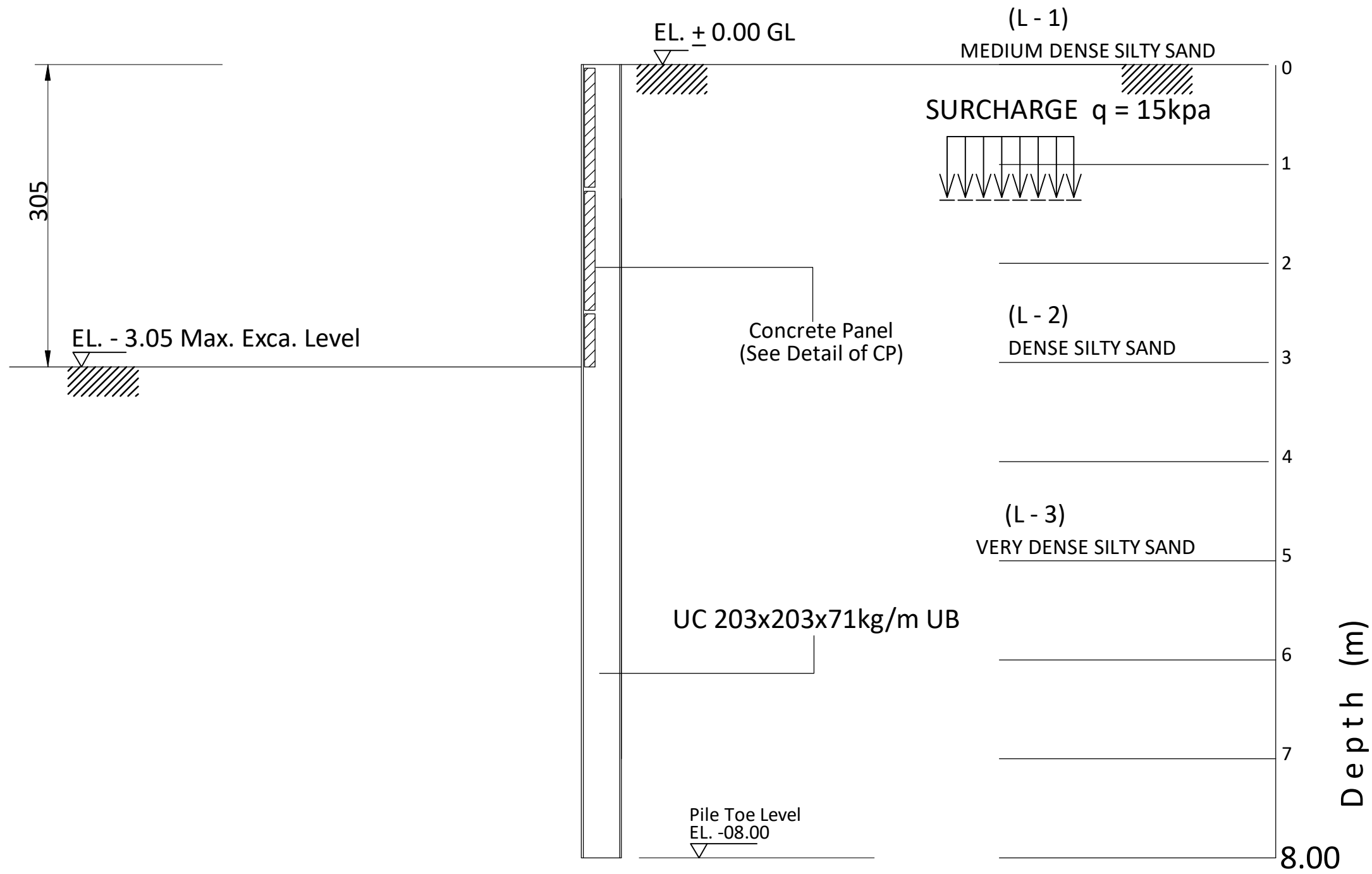
DESIGNED BY: RRO

CHECKED BY: AHS

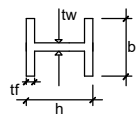
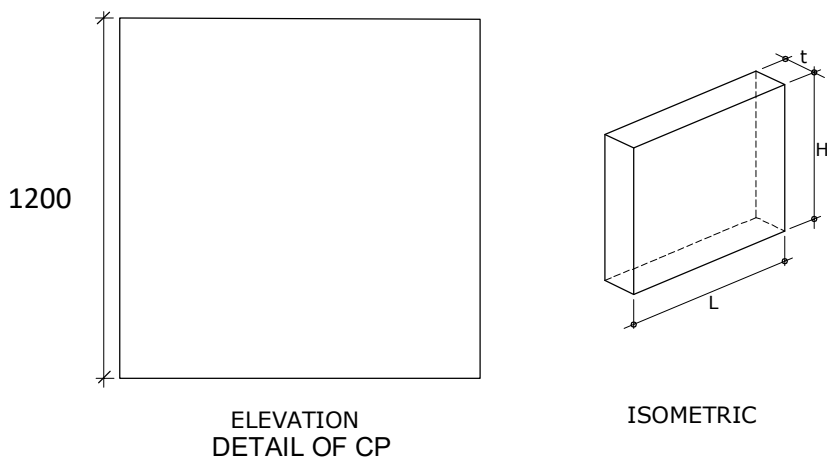
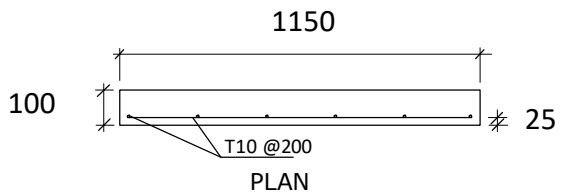


EXCAVATION SIDE

EARTH SIDE



SCHEDULE OF CONCRETE PANEL		
THK(mm)	SECTION	REMARKS
100	1200x1150	



SECTION PROPERTIES

H-BEAM L = 08.00m	
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,tf (mm)	17.3
WEB,tw (mm)	10
MODULUS, Zx	
PLASTIC (cm ³)	706

SECTION A - A

NOTES :

LABORATORY NAME : GULF SOIL & BLDG. MATERIALS TESTING LABORATORY
SOIL REPORT REF. No. : GGR-23-123
Date : 13/05/2023

MUNICIPALITY STAMP:



- NOTES
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 - (6) CONTRACTOR SHOULD SUBMIT SHOP DRAWINGS AND DETAILS FOR APPROVAL BEFORE STARTING ANY WORKS.
- | | |
|------------------------------|------------------|
| - F.F.L FINISHED FLOOR LEVEL | - R.L ROAD LEVEL |
| - F.S.L FINISHED SITE LEVEL | - T.L TOP LEVEL |
| - C.L CONCRETE LEVEL | |

△			
△			
△			
△			
REV. NO	DATE	REVISIONS	REV. BY

REVISIONS AND ISSUES

MAIN CONSULTANTS

الرؤية الذكية للإستشارات الهندسية ذ.م.ش

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AL BATHA TOWER - OFF : 2002-03
TEL : +971 6 521 0222 FAX : +971 6 521 0252
SMART VISION P.O.Box : 77133, E-mail : smart.vision.shi@gmail.com

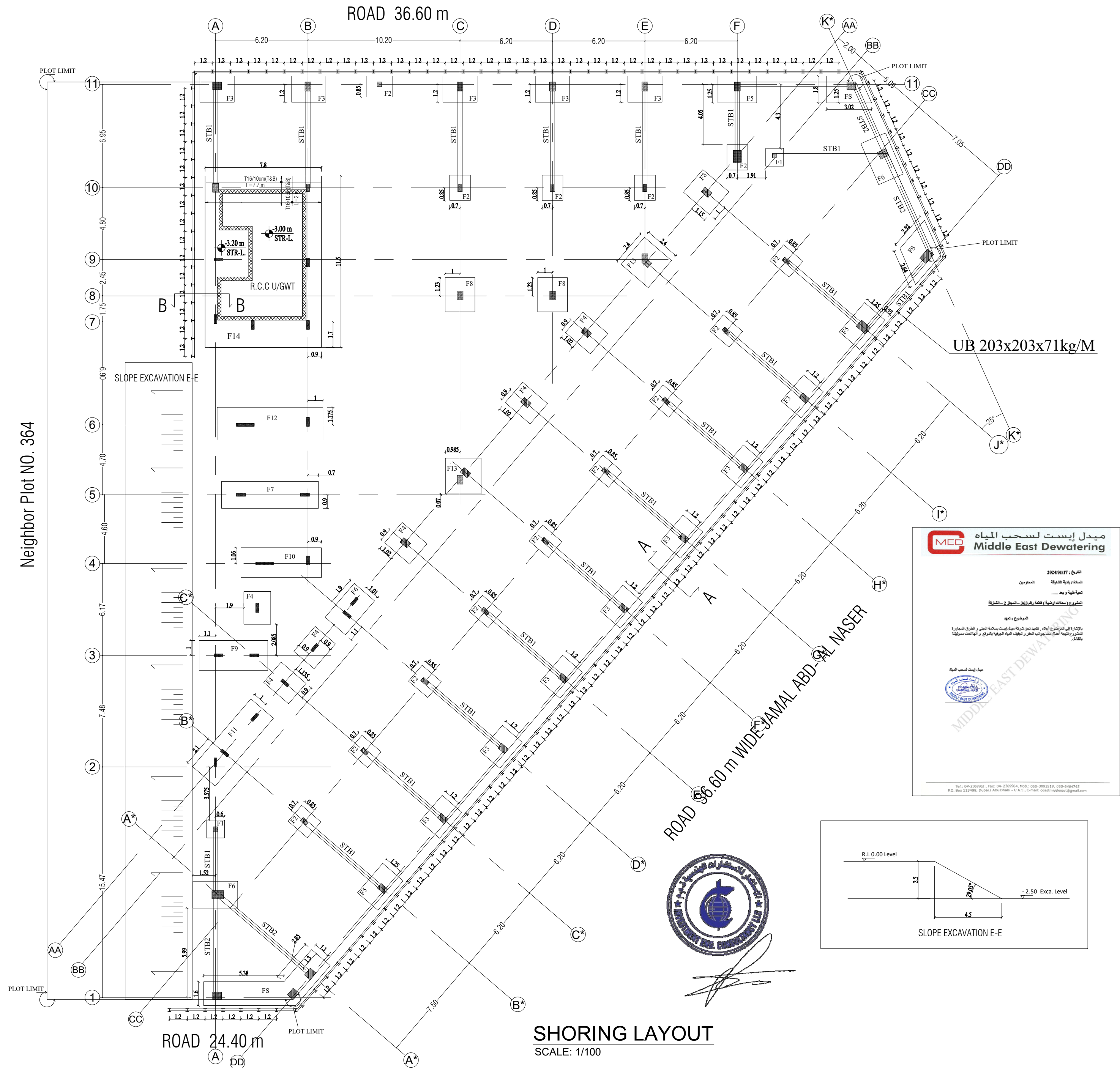
PROJECT:
PROPOSED VILLA (G+1+B) + SWIMMING POOL +
CARSHED + COMPOUND WALL

CLIENT NAME:
MAJDI AHMAD M AWAWDEH

PLOT NO:	GOV-7420 MULK-6072/1868	LOCATION:	Muwailih Commercial/ Muwailih Commercial
----------	----------------------------	-----------	---

DRWG. TITLE:
SHORING SECTION

DATE :- AUG - 2023		JOB NO.
SCALE	1 : 100	1620-SHJ
DRAWN BY:	RRO	DRAWING NO.
DESIGNED BY:	RRO	
CHECKED BY:	AHS	SHEET NO.



MATERIAL PROPERTIES FOR RC ELEMENTS :

* CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS

* STEEL SHOULD BE USED HIGH GRADE DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2

- GENERAL NOTES :**
- DO NOT SCALE FROM DRAWING.
 - ALL DIMENSIONS TO BE VERIFIED ON SITE
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
 - CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
 - ALL MATERIAL TO BE APPROVED IN WRITTEN BY ENGINEER.
 - CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
 - THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR :-
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

DESIGN CONSULTANT:
الاستثمار
INVESTMENT
Engineering Consultancy

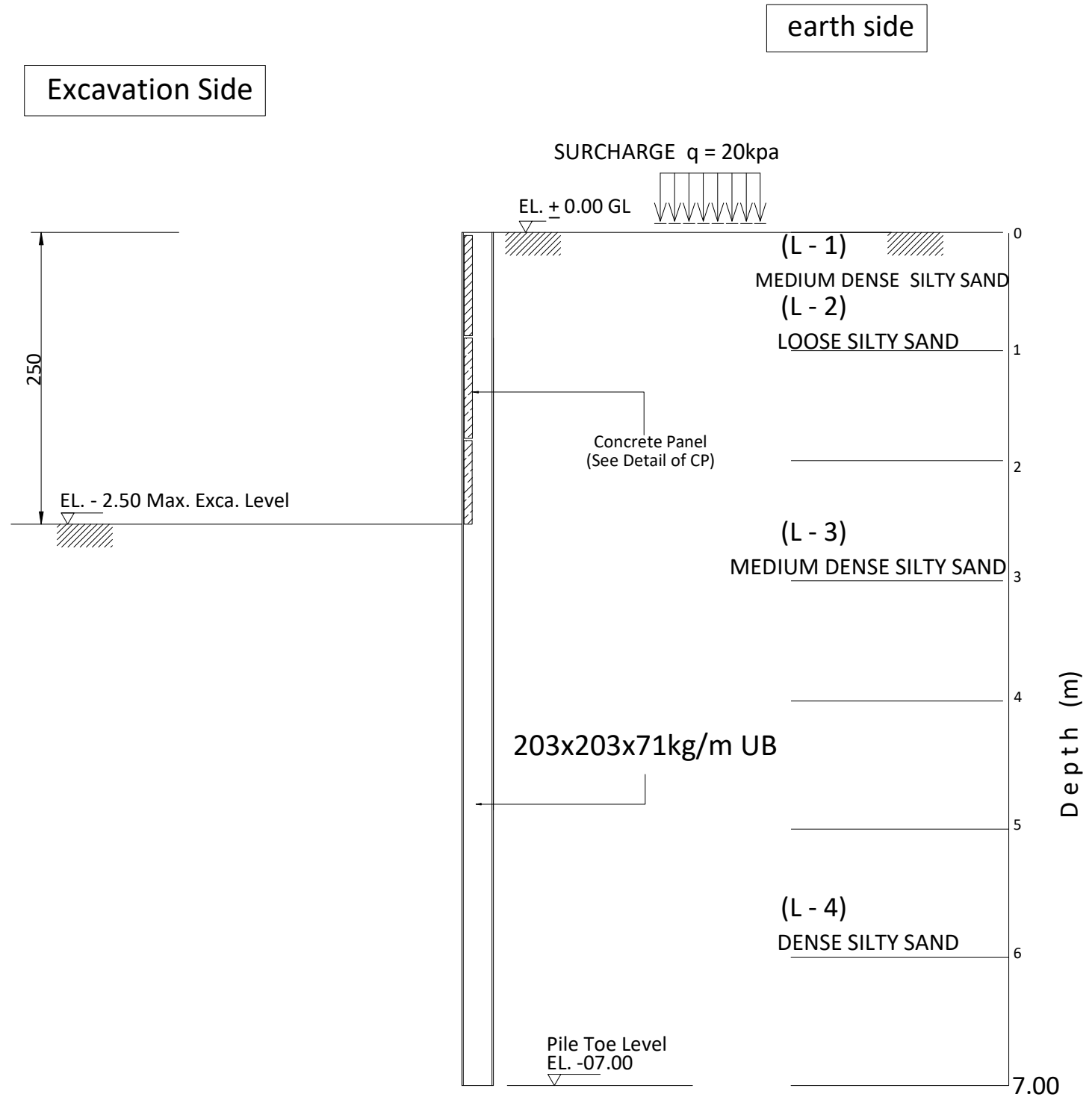
TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE
www.investmentengineering.ae EMAIL : investment.shj@gmail.com

CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

DWG. TITLE :
SHORING LAYOUT

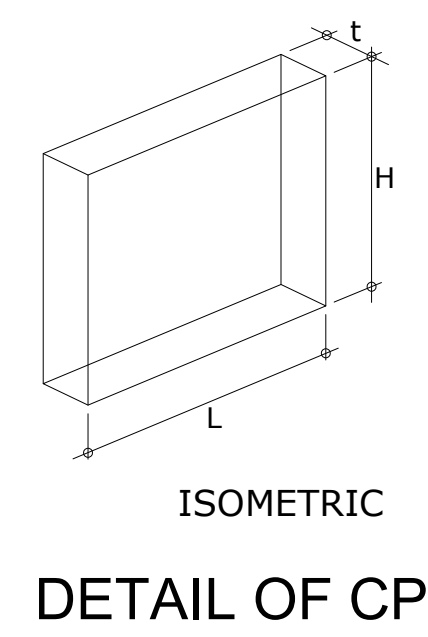
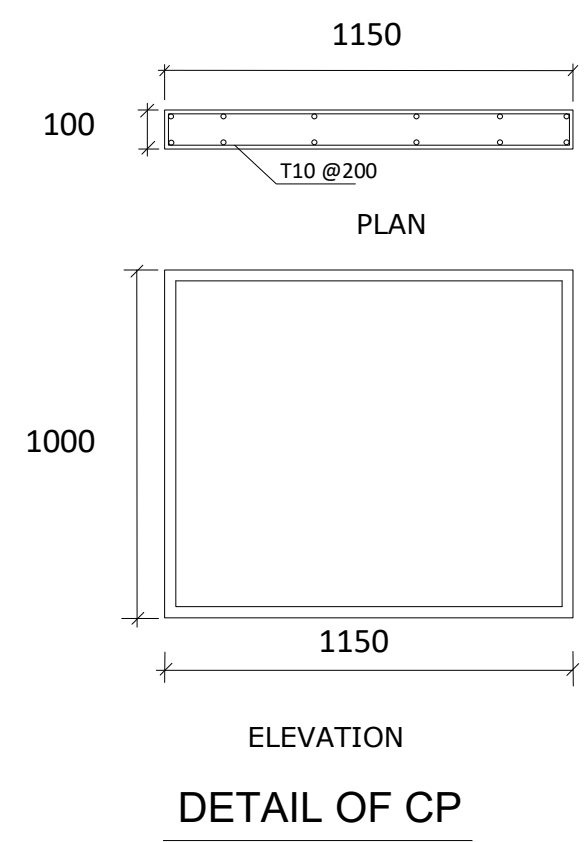
PLOT NO:-	MULK 476 GOV. 363	BLOCK:-	AL MAJAZ 2
DESIGNED BY:- M.H	COORDINATED BY:- H.S	APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 2023	JOB NO. :-



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



SECTION PROPERTIES		
H-BEAM	L = 07.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



MATERIAL PROPERTIES FOR RC ELEMENTS :

- * CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
- * STEEL SHOULD BE USED HIGH GRADE DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2

GENERAL NOTES :

1. DO NOT SCALE FROM DRAWING.
2. ALL DIMENSIONS TO BE VERIFIED ON SITE
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
4. CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
5. ALL MATERIAL TO BE APPROVED IN WRITTEN BY ENGINEER.
6. CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
7. THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR :-
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

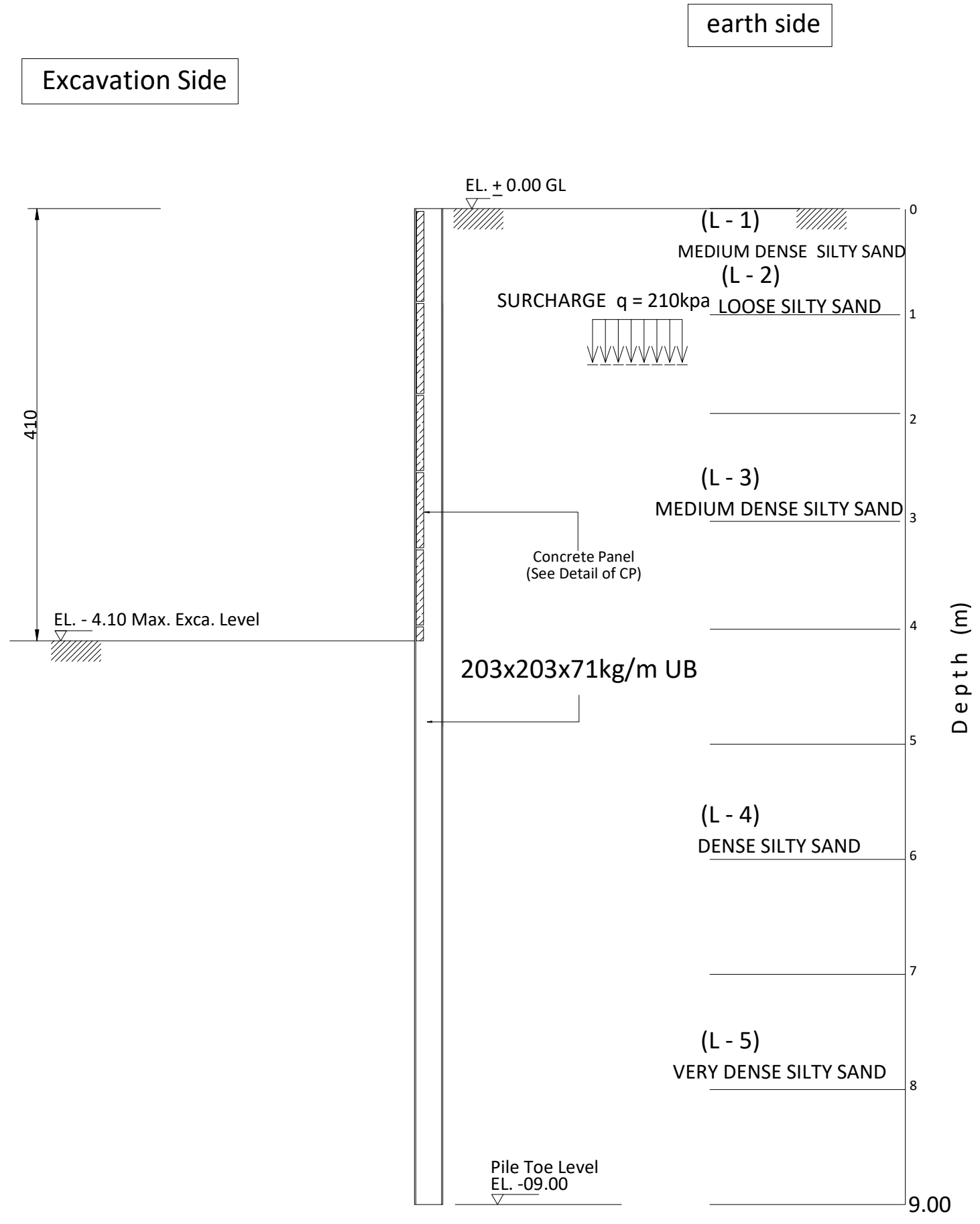
NO.	DATE	ENG.	REVISION
DESIGN CONSULTANT:			
الاستثمار INVESTMENT Engineering Consultancy			
TEL : +971 6 5737979 FAX : +971 6 5737779			
P.O.BOX : 1388, SHARJAH , UAE			
www.investmentengineering.ae EMAIL : investment.shj@gmail.com			

CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

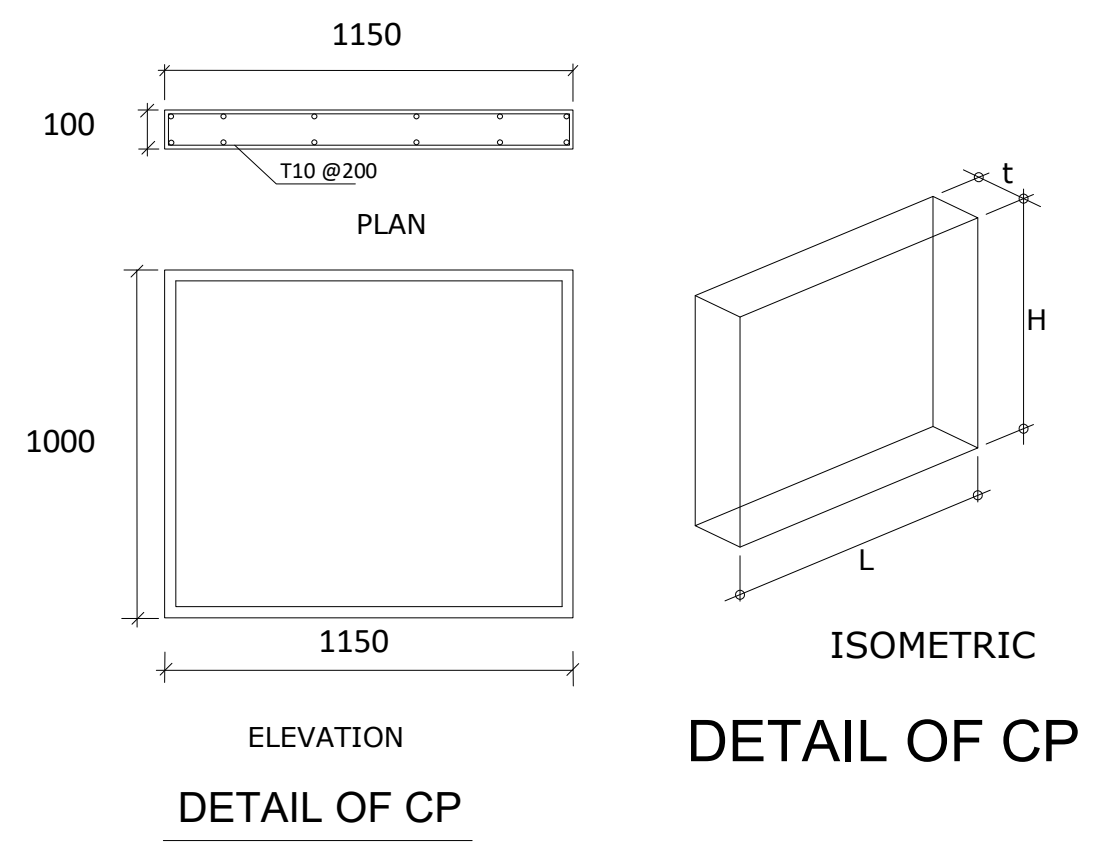
DWG. TITLE :
SHORING SECTION A

PLOT NO:-	MULK 476 GOV. 363	BLOCK:-	AL MAJAZ 2
DESIGNED BY:- M.H	COORDINATED BY:-	APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 2023	JOB NO. :-



SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



SECTION PROPERTIES

H-BEAM	L = 09.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



MATERIAL PROPERTIES FOR RC ELEMENTS :

- * CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
- * STEEL SHOULD BE USED HIGH GRADE DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2

GENERAL NOTES :

1. DO NOT SCALE FROM DRAWING.
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SUB CONTRACTOR :-
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

NO.	DATE	ENG.	REVISION

DESIGN CONSULTANT:

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INVESTMENT
Engineering Consultancy

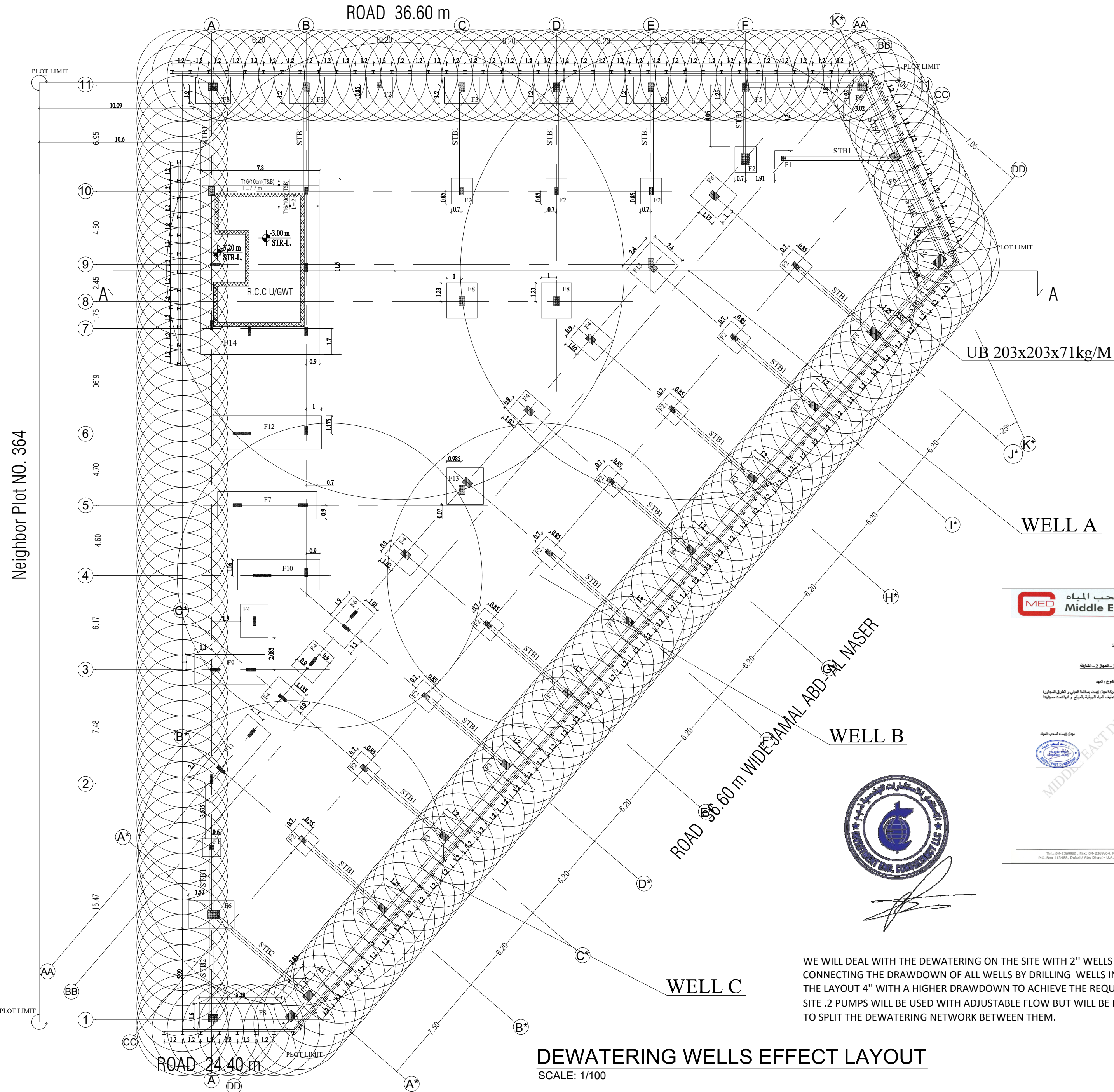
TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE
www.investmentengineering.ae EMAIL : investment.shj@gmail.com

CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

DWG. TITLE :
SHORING SECTION B

PLOT NO:-	MULK 476 GOV. 363	BLOCK:-	AL MAJAZ 2
DESIGNED BY:- M.H	CORDINATED BY:- H.S	APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 2023	JOB NO. :-



MATERIAL PROPERTIES FOR RC ELEMENTS :

- * CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
- * STEEL SHOULD BE USED HIGH GRADE DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2

GENERAL NOTES :

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2. ALL DIMENSIONS TO BE VERIFIED ON SITE
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SUB CONTRACTOR :-
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

NO.	DATE	ENG.	REVISION
-----	------	------	----------

DESIGN CONSULTANT:



TEL : +971 6 5737979 FAX : +971 6 5737779
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CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

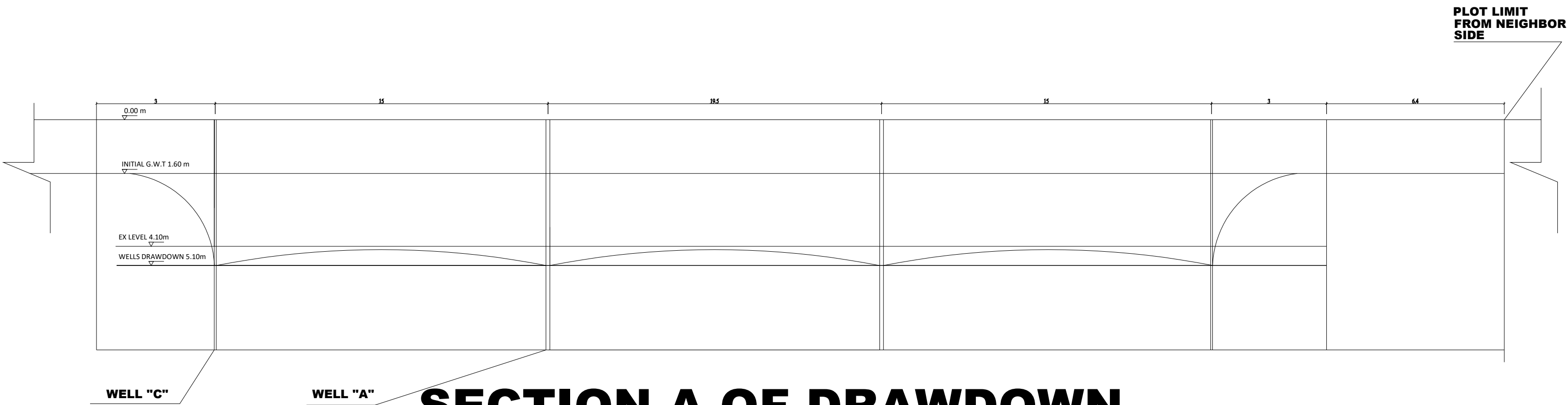
PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

DWG. TITLE :
DEWATERING EFFECT LAYOUT

PLOT NO:-	MULK 476 GOV. 363	BLOCK:-	AL MAJAZ 2
DESIGNED BY:- M.H	COORDINATED BY:- H.S	APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 2023	JOB NO. :-

WE WILL DEAL WITH THE DEWATERING ON THE SITE WITH 2" WELLS ON THE PERIMETER AND THEN CONNECTING THE DRAWDOWN OF ALL WELLS BY DRILLING WELLS INSIDE THE SITE AS SHOWN IN THE LAYOUT 4" WITH A HIGHER DRAWDOWN TO ACHIEVE THE REQUIRED DRAWDOWN OVER ALL SITE .2 PUMPS WILL BE USED WITH ADJUSTABLE FLOW BUT WILL BE MAINTAINED AT 4.1 LITERS/SEC TO SPLIT THE DEWATERING NETWORK BETWEEN THEM.





SECTION A OF DRAWDOWN



MATERIAL PROPERTIES FOR RC ELEMENTS :

- * CYLINDER COMPRESSIVE STRENGTH OF CONCRETE (fc)=32 N/mm2 AFTER 28 DAYS
- * STEEL SHOULD BE USED HIGH GRADE DEFORMED BARS MINIMUM YIELD STRENGTH (Fy)=460N/mm2

GENERAL NOTES :

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SUB CONTRACTOR :-
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NO.	DATE	ENG.	REVISION
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CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

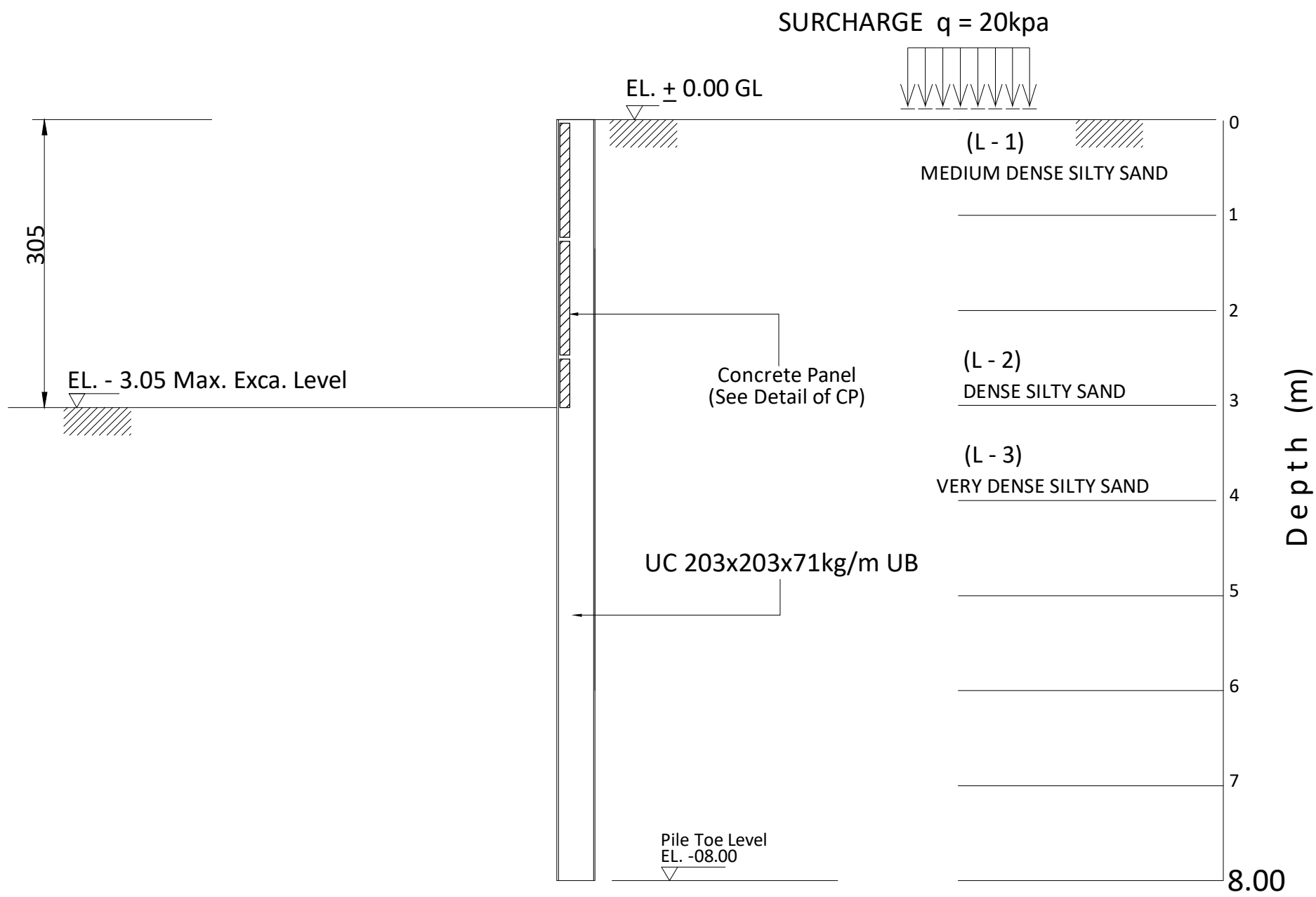
DWG. TITLE :
DEWATERING EFFECT SECTION

PLOT NO:-	MULK 476 GOV. 363	BLOCK:-	AL MAJAZ 2
DESIGNED BY:- M.H	COORDINATED BY:- H.S	APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 2023	JOB NO. :-



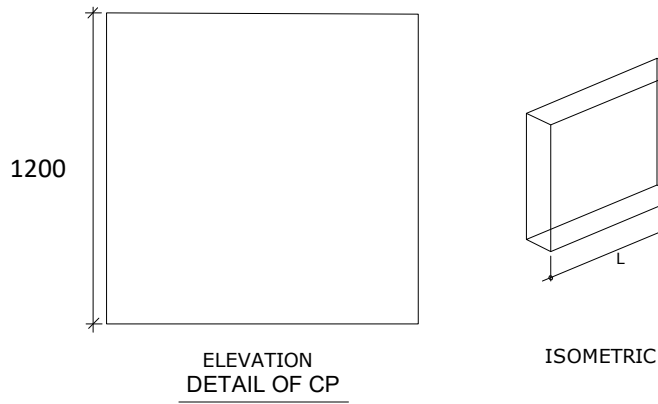
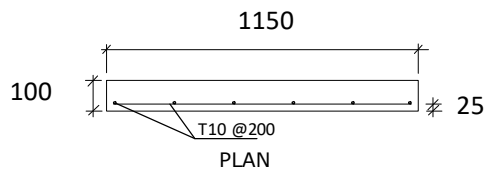
EXCAVATION SIDE

EARTH SIDE



SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	



SECTION PROPERTIES

H-BEAM	L = 08.00m
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,t _f (mm)	17.3
WEB,t _w (mm)	10
MODULUS, Z _x	
PLASTIC (cm ³)	706

SECTION A - A



SUB CONTRACTOR:

MIDDLE EAST DEWATERING & FOUNDATION L.L.C

الصمارة العربية للأحجار والمباني
Al Amara Al Arabia Engineering Consultant
Phone : +971 (06) 57 29 060 , Fax : +971 (06) 57 29 070
P.O.Box : 38971, Sharjah -U.A.E , E-mail:alemarahalarabia@hotmail.com

PROJECT:

PROPOSED VILLA (B+G+1) @ KITCHEN BLOCK
@ DRIVER ROOM @ BOUNDARY WALL

PLOT NO.: 2528

AREA: AL GRENA-MJALEH

CLIENT:

MR. MOHAMED RAHMA NASSER AL-OWAIS AL-SHAMS

TITLE:

SHORING SECTION

JOB NO.:

DATE:

SCALE:

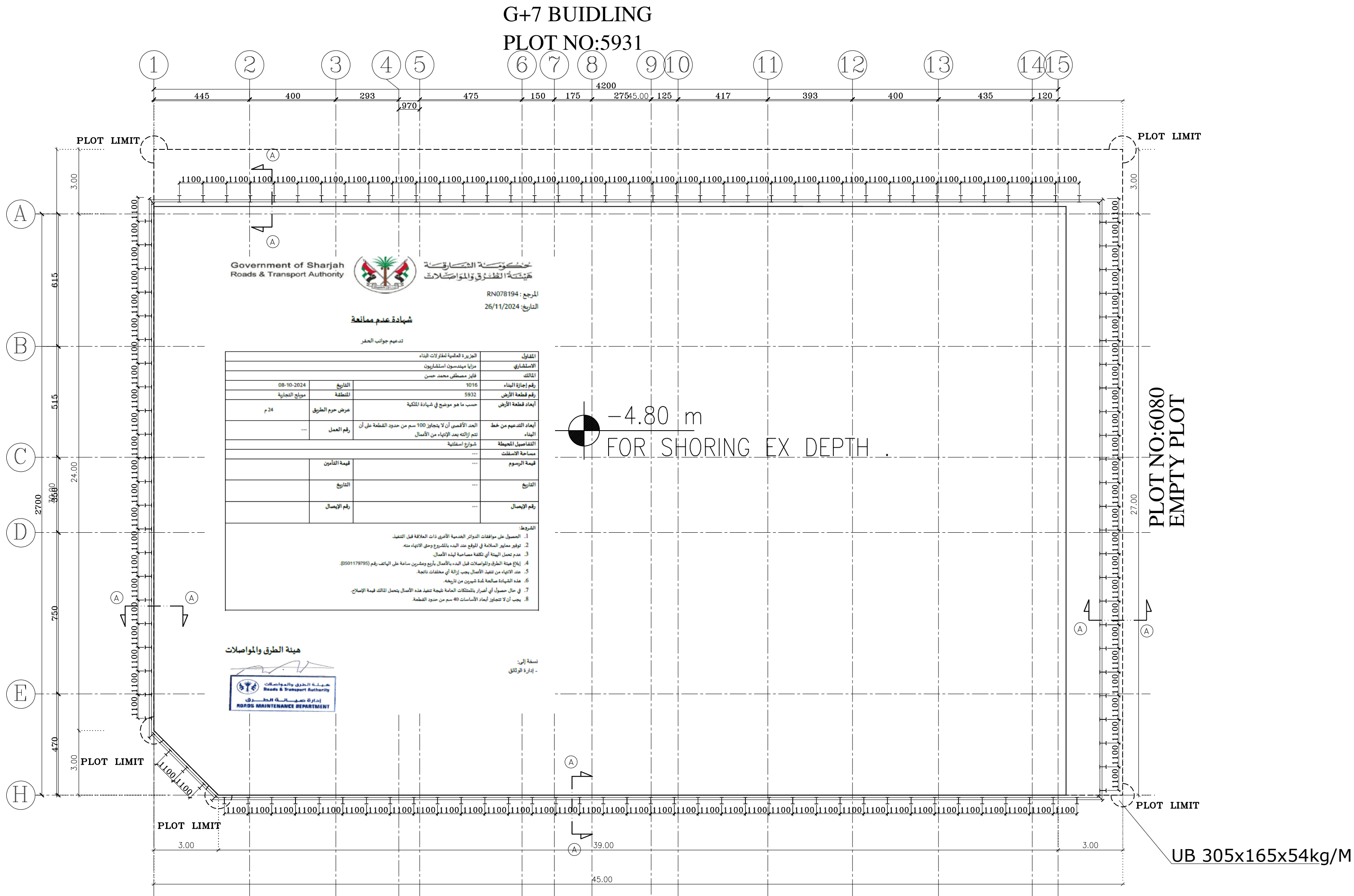
SHEET NO.:

DRAWING BY:

DESIGN BY:

ENG. M.H

24 WIDE ROAD



SHORING LAYOUT PLAN
SCALE 1:100 (DIMENSION)

24 WIDE ROAD

STRUCTURAL NOTE:

AUTHORITY STAMP:-



CONS. STAMP:-



SUB CONTRACTOR:
**MIDDLE EAST DEWATERING
& FOUNDATION L.L.C**

No. Date Revision Details Initials

REVISIONS

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DO NOT SCALE DRAWINGS. FOLLOW WRITTEN DIMENSIONS

DESIGN CONSULTANT:

مزايا
مهندسون استشاريون

MAZAYA
CONSULTING ENGINEERS

DUBAI: TEL: 04-4522987 FAX: 04-4522988
SHARJAH: TEL: 06-5737782 FAX: 06-5737783
AJMAN: TEL: 06-7412332 FAX: 06-7412332
ABU DHABI: TEL: 02-2223332 FAX: 02-2223331
P.O.BOX: 162628 P.O.BOX: 85063 P.O.BOX: 14986 P.O.BOX: 7708

Client:
**MR. : FAYEZ MUSTAFA
MOHAMAD HASSAN**

Job title:
**U.C. RESIDENTIAL BUILDING
(B. + G. + 1P. + 5 TYP. + 70% of 6 FLR.)
COMMERCIAL MUWEILAH - SHARJAH
PLOT NO. 5932 MULK: 110/3131**

Job no: **SHJ - 351 - 2023**

Drawing title:
SHORING LAYOUT PLAN

Issued for: APPROVAL
Scale: 1 : 150 Sheet Size: A2 Date: OCT. 2024
Architect: Drawn: M.H
Structure: Approved: H.S

Block Level

EXCAVATION SIDE

EARTH SIDE

SURCHARGE $q = 20\text{kpa}$

EL. ± 0.00 GL

EL. - 0.25 GL

480

EL. - 5.05 Max. Exca. Level

Concrete Panel
(See Detail of CP)

UC 305x165x54kg/m UB

(L - 1)
MEDIUM DENSE SILTY SAND
(L - 2)
LOOSE SILTY SAND
(L - 3)
MEDIUM DENSE SILTY SAND
(L - 4)
LOOSE SILTY SAND
(L - 5)
MEDIUM DENSE SILTY SAND

(L - 6)
DENSE SILTY SAND

(L - 7)
VERY DENSE SILTY SAND

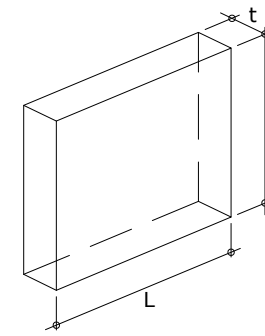
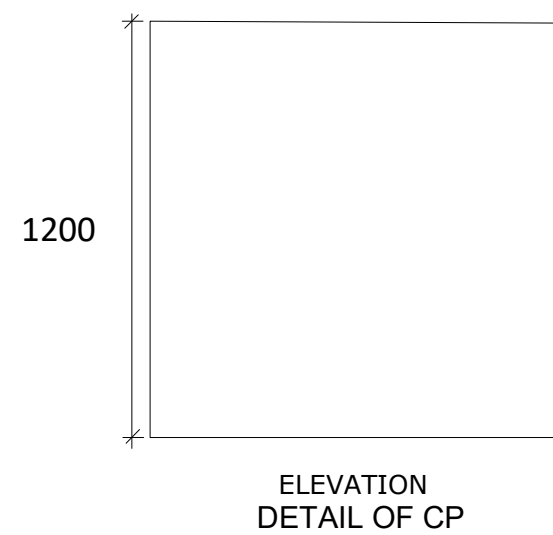
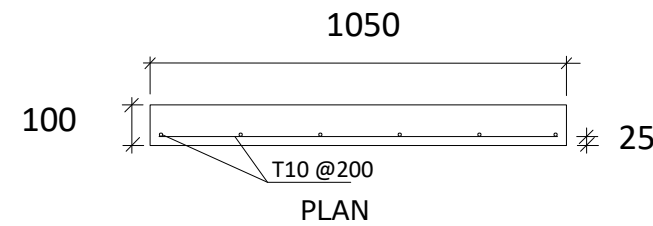
Depth (m)

Pile Toe Level
EL. -12.00

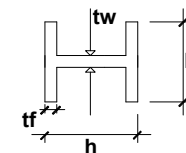
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1050	



SECTION PROPERTIES



H-BEAM	L = 12.00m
SECTION	305x165x54kg/M
MASS (kg/m)	54
DEPTH,h (mm)	310.4
WIDTH,b (mm)	166.9
FLANGE,tf (mm)	13.7
WEB,tw (mm)	7.9
MODULUS, Zx PLASTIC (cm ³)	753.6

STRUCTURAL NOTE:-

AUTHORITY STAMP:-



CONS. STAMP:-



SUB CONTRACTOR:
MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

No.	Date	Revision Details	Initials

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DO NOT SCALE DRAWINGS. FOLLOW WRITTEN DIMENSIONS

DESIGN CONSULTANT:



Client:
MR. : FAYEZ MUSTAFA
MOHAMAD HASSAN

Job title:
U.C. RESIDENTIAL BUILDING
(B + G. + 1P. + 5 TYP. + 70% of 6 FLR.)
COMMERCIAL MUWEILAH - SHARJAH
PLOT NO. 5932 MULK: 110/3131

Job no:
SHJ - 351 - 2023

Drawing title:
SHORING SECTION A-A

Issued for:	APPROVAL
Scale: 1 : 150	Sheet Size: A2 Date: OCT. 2024
Architect:	Drawn: M.H
Structure:	Approved: H.S

Block	Level	

Government of Sharjah
Roads & Transport Authority



مجلس إدارة الطرق والمواصلات
RN078194

المراجع: 26/11/2024
التاريخ:

شهادة عدم معارضة

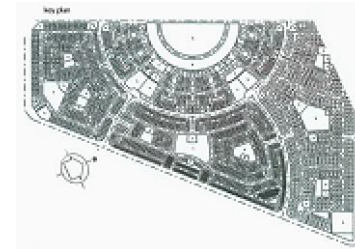
تدعيم جوانب الحفر

المقاول	الجزيرة العامة لمقاولات البناء
الاستشاري	مزايا مهندسون استشاريون
المالك	فايز مصطفى محمد حسن
رقم إجازة البناء	1016
رقم قطعة الأرض	5932
أبعاد قطعة الأرض	حسب ما هو موضح في شهادة الملكية
أبعاد التدعيم من خط البناء	الحد الأقصى أن لا يتجاوز 100 سم من حدود القطعة على أن تتم إزالته بعد الانتهاء من الأعمال
التفاصيل المحيطة	شوارع إسفلتية
مساحة الأسفلت	---
قوة الرسوم	---
التاريخ	---
رقم الإصدار	---
الشروط:	
1.	الحصول على موافقات الدوائر الخدمية الأخرى ذات العلاقة قبل التنفيذ.
2.	توفر معايير السلامة في الموقع عند البدء بالشروع وحتى الانتهاء منه.
3.	عدم تعديل البنية أي تكلفة مساحة لبناء الأعمال.
4.	إزالة حدة الطرق والمواصلات قبل البدء بالأعمال بأربع وعشرين ساعة على الهاتف رقم (0501179795).
5.	بعد الانتهاء من تنفيذ الأعمال يجب إزالة أي مخلفات ناتجة.
6.	هذه الشهادة صالحة لمدة شهرين من تاريخه.
7.	في حال حصول أي أضرار بالملكات العامة نتيجة تنفيذ هذه الأعمال يتحمل المالك قيمة الإصلاح.
8.	يجب أن لا تتجاوز أبعاد الأساسات 40 سم من حدود القطعة.

هيئة الطرق والمواصلات



نسبة إلى:
إدارة الوثائق



NOTES:

1. ALL EXTERNAL WALLS ARE 20 cm THERMAL BLOCK INSULATION
2. ALL WINDOWS ARE DOUBLE GLAZING
3. +0.00 IS STREET LEVEL
4. ALL WINDOW & BALCONY DOORS SHOULD BE EQUIPPED WITH WINDOW OPENING CONTROL DEVICE (W.O.C.D) TO HAVE MAXIMUM OPENING LIMIT OF 10 CM TO HELP IN THE PREVENTION OF ACCIDENTAL FALLS FROM WINDOWS & BALCONIES BY CHILDREN AS PER SHARJAH MUNICIPALITY REGULATIONS.



SUB CONTRACTOR

MIDDLE EAST DEWATERING & FOUNDATION L.L.C

CLIENT NAME:

MOHAMAD MAHMOUD ALSAADI

PROPOSED PROJECT:

PROPOSED BUILDING (G+3TYP)

PROJECT LOCATION:

TILAL - Al Suyoh Suburb

PLOT NO: 8123

MULK NO: 226/4/1393

SHEET CONTENT:

SHORING & EXCAVATION LAYOUT

HEAD OF DESIGN SECTION HEAD OF ENGINEERING SECTION

ARCH. DESIGNED BY T. P. CREATED BY REVIT

STRUCT. DESIGNED BY

ELEC. DESIGNED BY MUN. CREATED BY REVIT

SERVICES DESIGNED BY

PROJECT NUMBER:

4373

DRAWING NUMBER:

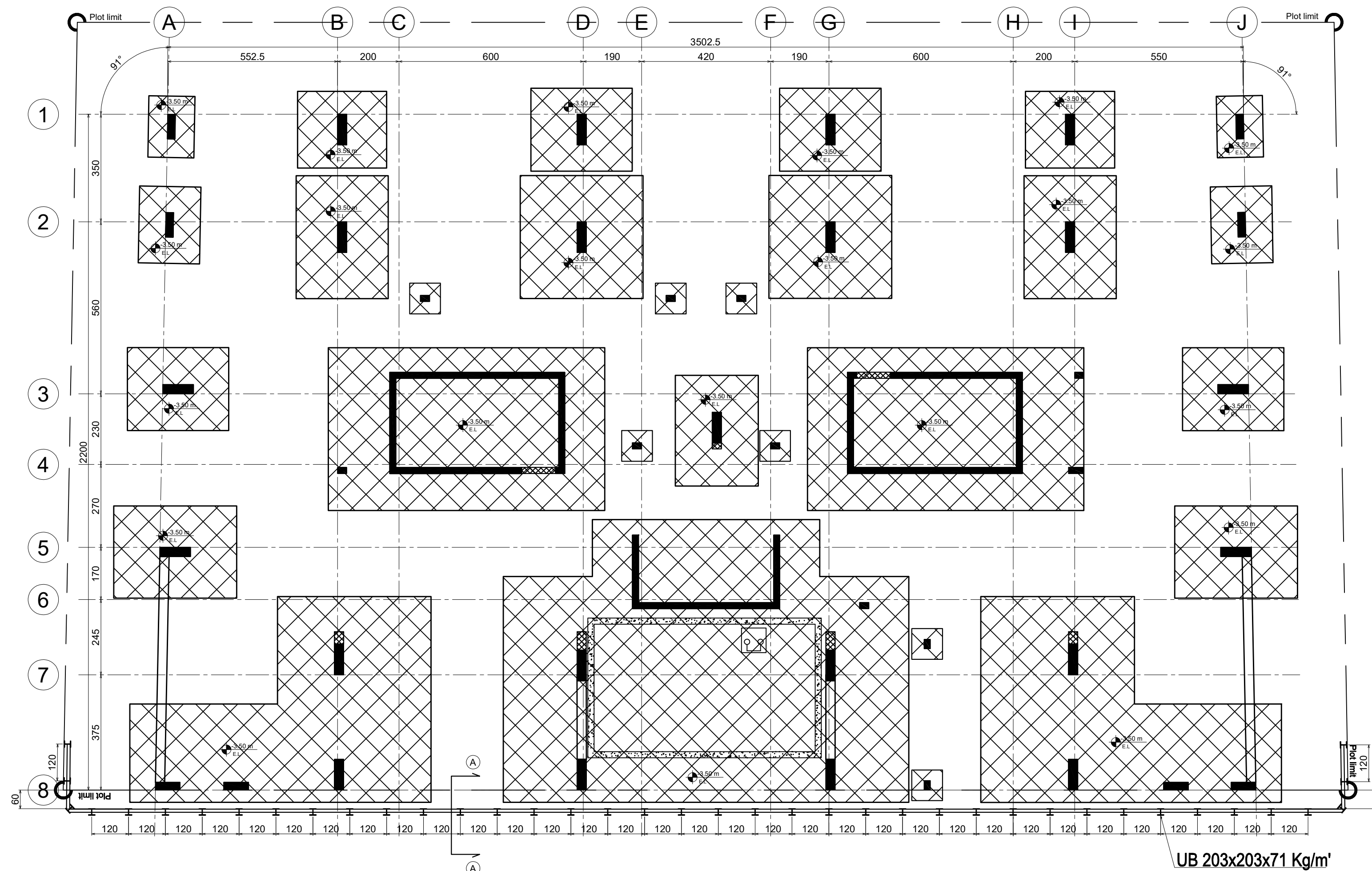
S-01

DATE

11/10/2024

SCALE

As indicated



SHORING & EXCAVATION LAYOUT

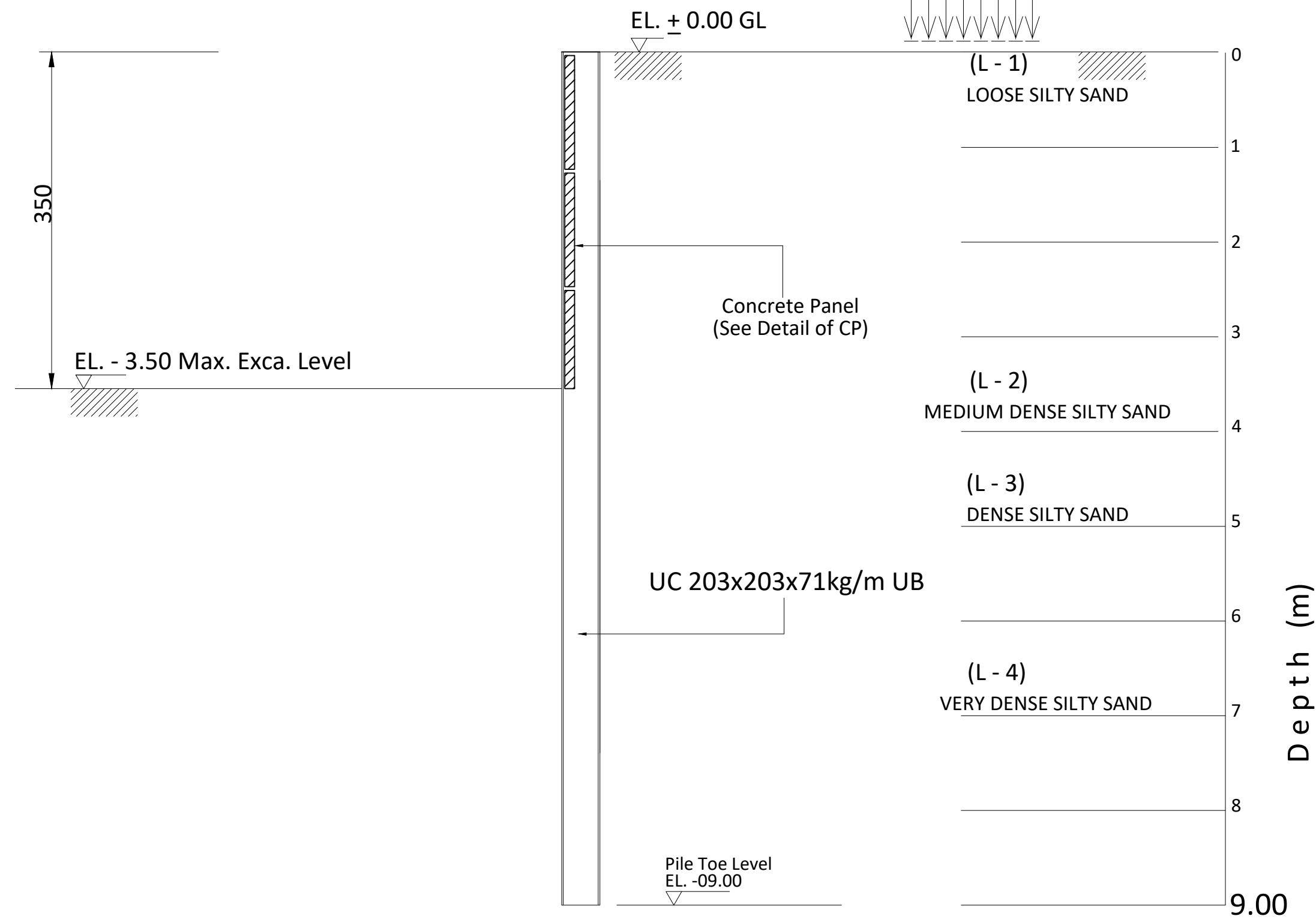
SCALE : 1-100



EXCAVATION SIDE

EARTH SIDE

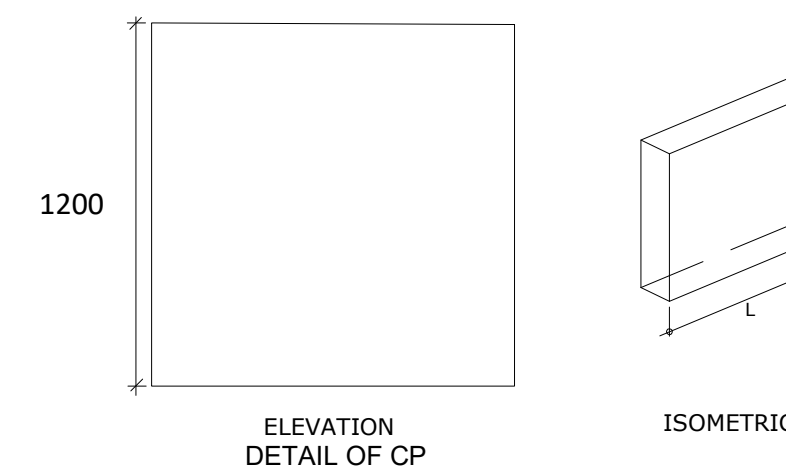
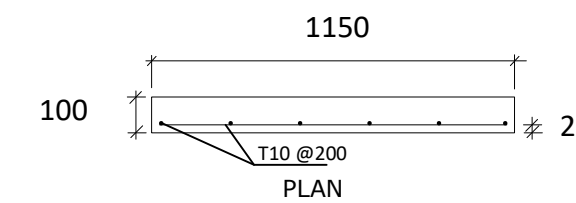
SURCHARGE $q = 20\text{kpa}$



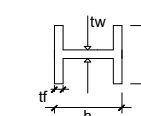
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	



SECTION PROPERTIES



H-BEAM	L = 09.00m
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,tf (mm)	17.3
WEB,tw (mm)	10
MODULUS, Zx PLASTIC (cm ³)	706



NOTES:

- ALL EXTERNAL WALLS ARE 20 cm THERMAL BLOCK INSULATION
- ALL WINDOWS ARE DOUBLE GLAZING
- +0.00 IS STREET LEVEL
- ALL WINDOW & BALCONY DOORS SHOULD BE EQUIPPED WITH WINDOW OPENING CONTROL DEVICE (W.O.C.D) TO HAVE MAXIMUM OPENING LIMIT OF 10 CM TO HELP IN THE PREVENTION OF ACCIDENTAL FALLS FROM WINDOWS & BALCONIES BY CHILDREN AS PER SHARJAH MUNICIPALITY REGULATIONS.



SUB CONTRACTOR

MIDDLE EAST DEWATERING & FOUNDATION L.L.C

CLIENT NAME:

MOHAMAD MAHMOUD ALSAADI

PROPOSED PROJECT:

PROPOSED BUILDING (G+3TYP)

PROJECT LOCATION:

TILAL - Al Suyoh Suburb

PLOT NO: 8123

MULK NO: 226/4/1393

SHEET CONTENT:

SHORING SECTION

HEAD OF DESIGN SECTION	HEAD OF ENGINEERING SECTION
ARCH. DESIGNED BY	T. P. CREATED BY REVIT
STRUCT. DESIGNED BY	
ELEC. DESIGNED BY	MUN. CREATED BY REVIT
SERVICES DESIGNED BY	

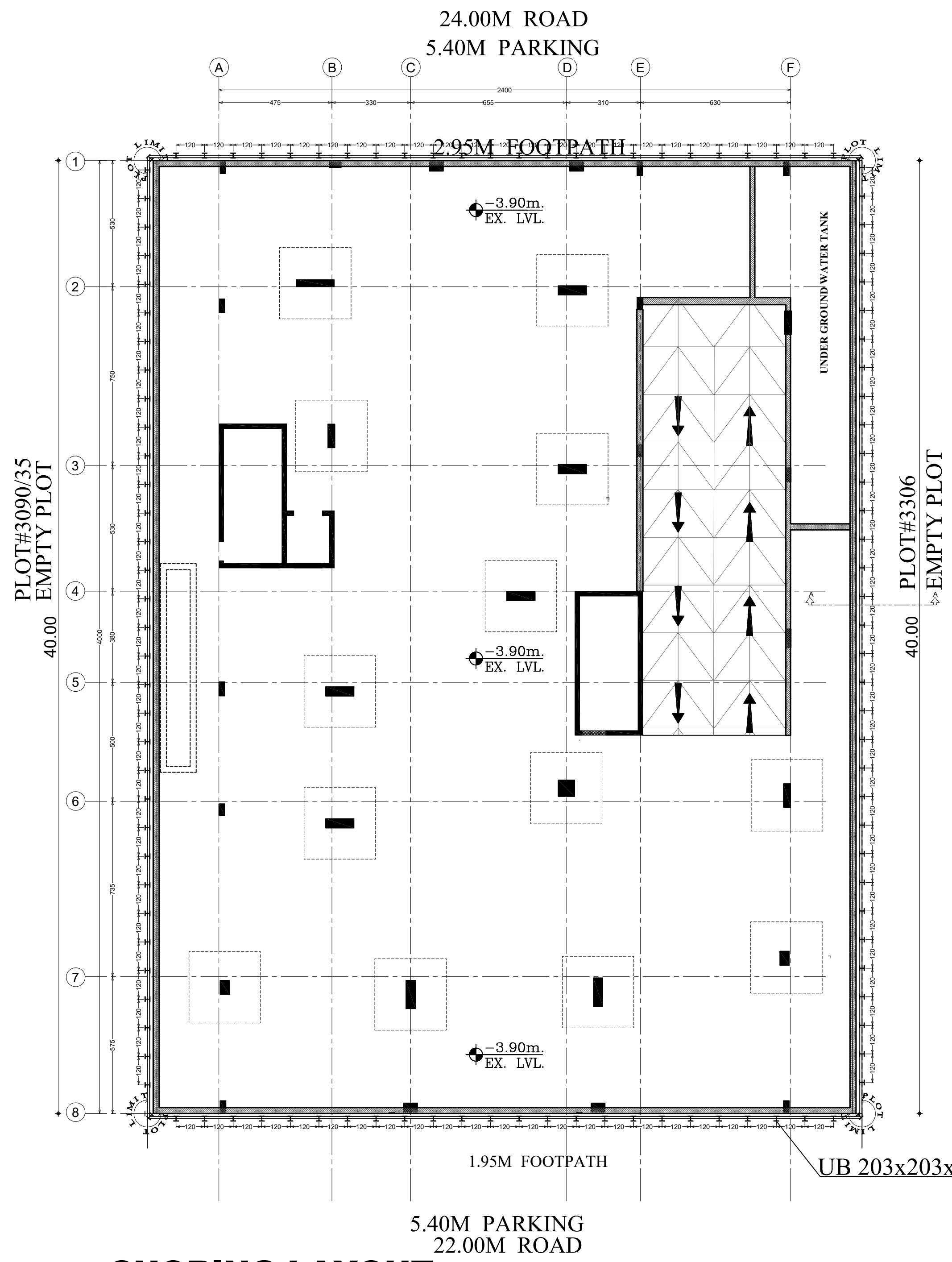
PROJECT NUMBER:
4373

DRAWING NUMBER:
S-01

DATE
11/10/2024

SCALE
As indicated





SHORING LAYOUT

SCALE : 1-100

GENERAL NOTES:-

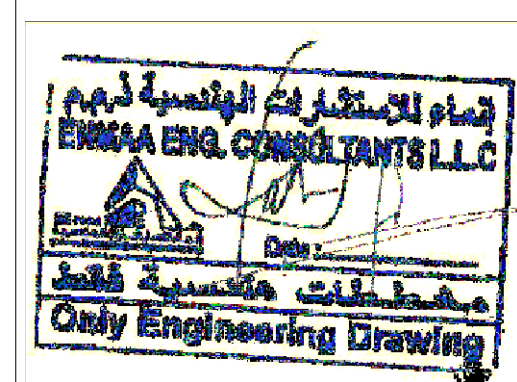
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2. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED.

3. ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS, BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.

4. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT SECURING WRITTEN PERMISSION FROM THE ARCHITECT.

5. ALL WORK AS OUTLINED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



SUB CONTRACTOR :
MIDDLE EAST DEWATERING &
FOUNDATION L.L.C

CLIENT
ANWAR KHAMIS SAEED AL-HAKAM
ALI

PROPOSED PROJECT
PROPOSED SHOWROOM (B+G+M+OFFICES)
+ CAR PARKING

PLOT LOCATION
PLOT NO : 3090/34
SECTOR : WAREHOUSE LAND

SHEET CONTENT
SHORING LAYOUT

HEAD OF SEC: ENG.		
ARCH. DESIGNED BY: ENG.	DRAW BY: ENG.	T.P. DRAW BY: ENG.
STRUCT. DESIGN BY: ENG.	DRAW BY: ENG.	ENG.
ELECTRICAL DESIGN BY: ENG.	DRAW BY: ENG.	MUN. DRAW BY: ENG.
SERVICES DESIGN BY: ENG.	DRAW BY: ENG.	ENG.

JOB NO: 1361
DRWG. NO : S-06

DATE
08-11-24Y-2:49PM
SCALE
1:100
REF. NO.

NO.	DATE	REVISIONS

EXCAVATION SIDE

EARTH SIDE

SURCHARGE $q = 20\text{kpa}$

EL. $\pm$ 0.00 GL

390

EL. - 3.90 Max. Exca. Level

Concrete Panel
(See Detail of CP)

UC 203x203x71kg/m UB

Pile Toe Level
EL. -10.00

(L - 1)
MEDIUM DENSE SILTY SAND

(L - 2)
DENSE SILTY SAND

(L - 3)
VERY DENSE SILTY SAND

0

1

2

3

4

5

6

7

8

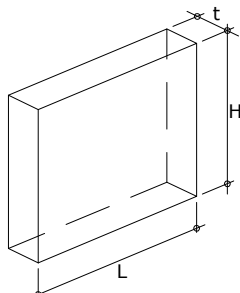
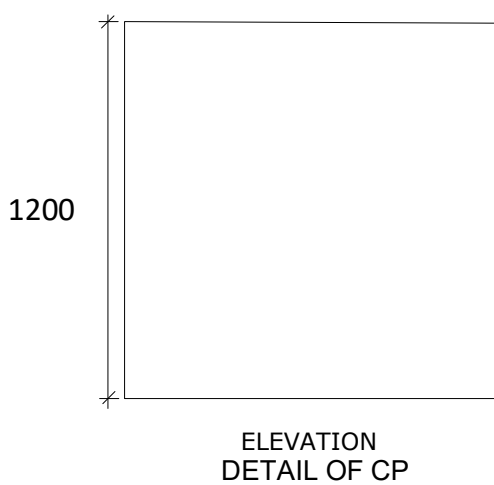
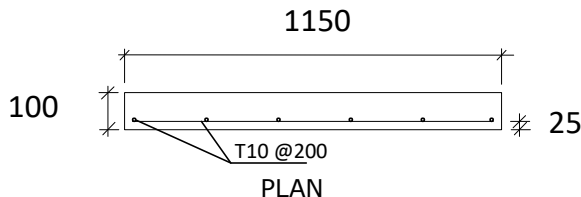
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10.00

Depth (m)

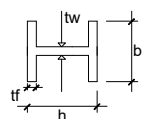
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	



ISOMETRIC

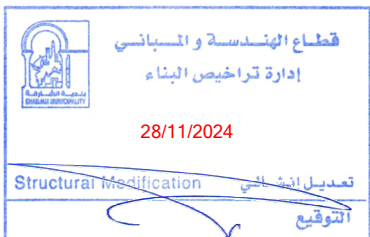
SECTION PROPERTIES



H-BEAM	L = 10.00m
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,tf (mm)	17.3
WEB,tw (mm)	10
MODULUS, Zx	
PLASTIC (cm ³)	706

GENERAL NOTES:-

1. IT IS NOT ALLOWED TO REPRODUCE THIS SHEET'S CONTENTS IN ANY FORM EXCEPT FOR THE PURPOSE FOR WHICH IT IS INTENDED. 2. THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS, BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK. 3. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT SECURING WRITTEN PERMISSION FROM THE ARCHITECT. 4. ALL WORK AS OUTLINED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



SUB CONTRACTOR :
MIDDLE EAST DEWATERING &
FOUNDATION L.L.C.

CLIENT
ANWAR KHAMIS SAEED AL-HAKAM
ALI

PROPOSED PROJECT
PROPOSED SHOWROOM (B+G+M+OFFICES)
+ CAR PARKING

PLOT LOCATION
PLOT NO :3090/34
SECTOR :WAREHOUSE LAND

SHEET CONTENT
SHORING SECTION

HEAD OF SEC: ENG.	DRAW BY: ENG.	T.P.DRAW BY: ENG.
ARCH.DESIGNED BY: ENG.	DRAW BY: ENG.	
STRUCT. DESIGN BY: ENG.	DRAW BY: ENG.	
ELECTRICAL DESIGN BY: ENG.	DRAW BY: ENG.	MUN.DRAW BY: ENG.
SERVICES DESIGN BY: ENG.	DRAW BY: ENG.	

JOB NO: 1361
DRWG. NO : S-06

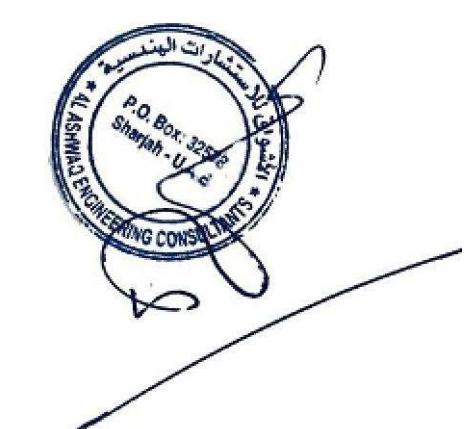
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SCALE
REF. NO.

NO.	DATE	REVISIONS



- GENERAL NOTES :
- DO NOT SCALE DIMENSIONS FROM DRAWING
 - DRAWINGS SHOULD BE READ IN CONJUNCTION WITH OTHER RELATED DRAWINGS
 - THE CONTRACTOR SHOULD REPORT IMMEDIATELY TO CONSULTANT ANY DISCREPANCIES FOUND IN THE DRAWING AND SHOULD BE RESOLVED BEFORE EXECUTION OF WORKS

-ALL DIMENSIONS ARE IN CENTI METERS.
-ALL LOADS ARE ULTIMATE IN KN.
-STEEL GRADE $f_y=460\text{N/mm}^2$.
-CONCRETE GRADE $f_{cu}=35\text{N/mm}^2$.



SUB CONTRACTOR:

MIDDLE EAST DEWATERING & FOUNDATIONS L.L.C

 Mob.: 050-5392333
Tel.: 06-5696740
Fax.: 06-7406393
P.O. Box: 32576
Suite No. 104
Al Khudaira Bldg.
Opp. Rolla Park Parking
Al Zahra Road

E-mail: ashwaq.enggconsultants@gmail.com,
ashwaqameerkhan@yahoo.in

PROJECT:

PROPOSED G+3 BUILDING

CLIENT:

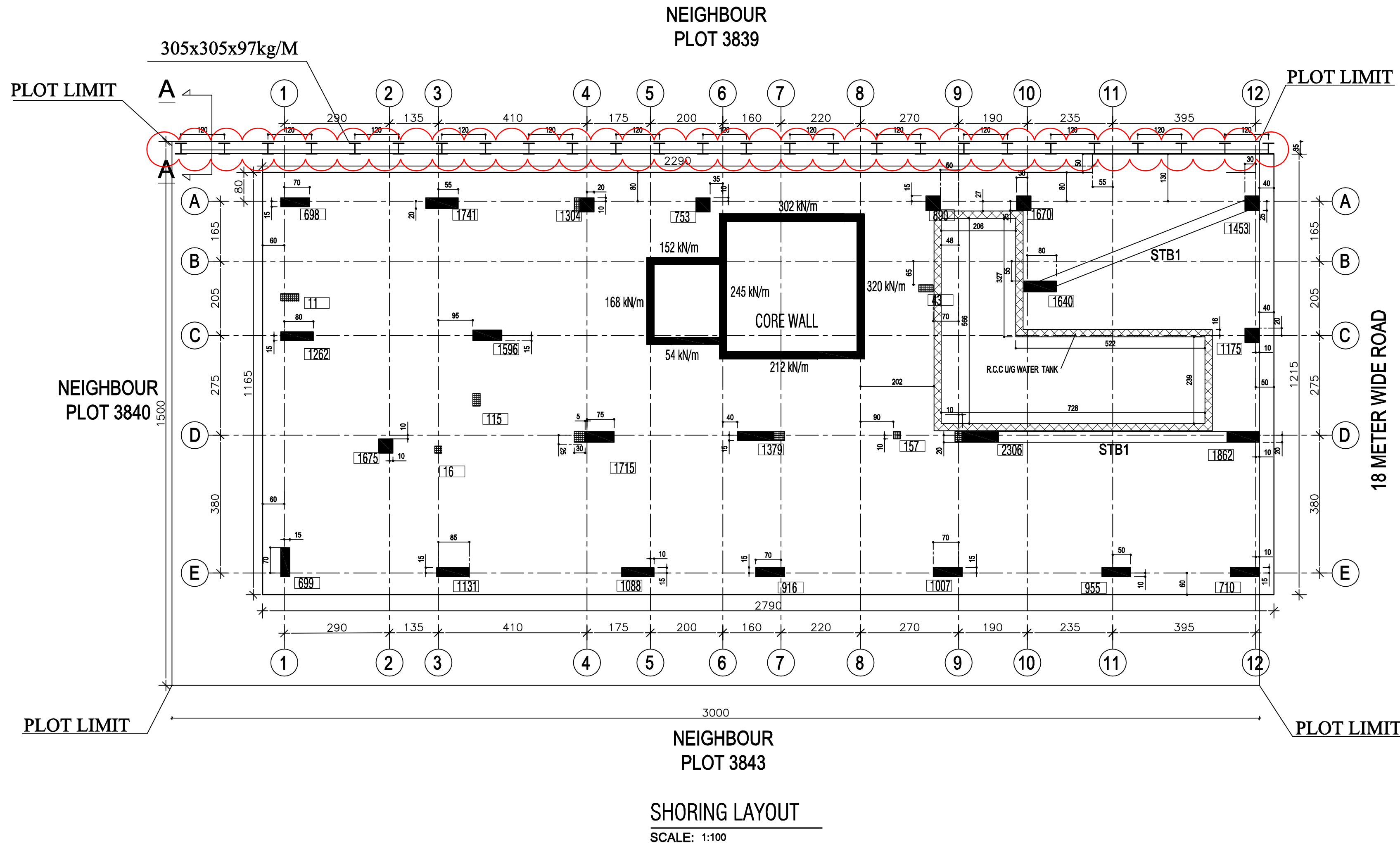
MR. HAMAD AHMED MOHAMED IBRAHIM AL HAMMADI

LOCATION:	PLOT NO.:	JOB. NO.:
COMMERCIAL MUWAILAH	3841	AEC-S-93
	MULC:	
	27/221	

TITLE:

SHORING LAYOUT

SECTION:	STRUCTURAL	SCALE:
DESIGNED BY:	J.C. ADANTE	1:100
STRCT'L ENGR.:	A.A. KHAN	S-03
DATE:	MARCH 24, 2022	S-11





- GENERAL NOTES :
- DO NOT SCALE DIMENSIONS FROM DRAWING
 - DRAWINGS SHOULD BE READ IN CONJUNCTION WITH OTHER RELATED DRAWINGS
 - THE CONTRACTOR SHOULD REPORT IMMEDIATELY TO CONSULTANT ANY DISCREPANCIES FOUND IN THE DRAWING AND SHOULD BE RESOLVED BEFORE EXECUTION OF WORKS

-ALL DIMENSIONS ARE IN CENTI METERS.
-ALL LOADS ARE ULTIMATE IN KN.
-STEEL GRADE $f_y = 460\text{N/mm}^2$.
-CONCRETE GRADE $f_{cu} = 35\text{N/mm}^2$.



SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATIONS L.L.C


النشـواق
AL ASHWAQ
ENGINEERING CONSULTANTS

Mob.: 050-6392333
Tel.: 06-5696740
Fax.: 06-7406393
P.O. Box: 32578
Suite No. 104
Al Khudaira Bldg.
Opp. Rolla Park Parking
Al Zahra Road

E-mail: ashwaq.enggconsultants@gmail.com,
ashwaqameerkhan@yahoo.in

PROJECT:
PROPOSED G+3 BUILDING

CLIENT:
MR. HAMAD AHMED MOHAMED IBRAHIM AL HAMMADI

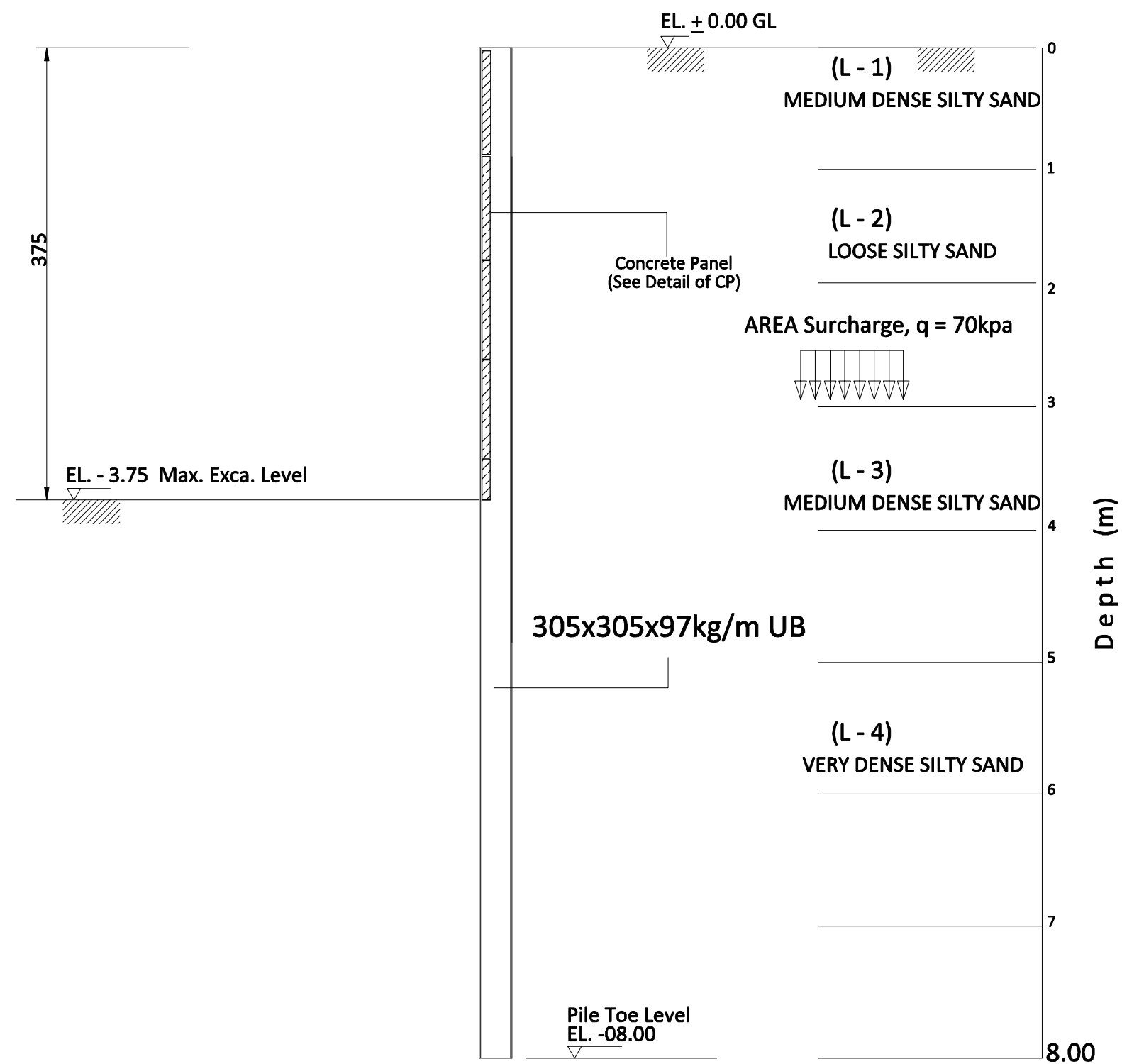
LOCATION:	PLOT NO.:	JOB. NO.:
COMMERCIAL MUWAILAH	3841	
	MULK:	AEC-S-93
	27/221	

TITLE:
SHORING SECTION

SECTION:	STRUCTURAL	SCALE:
DESIGNED BY:	J.C. ADANTE	1:100
STRCT'L ENGR.:	A.A. KHAN	S-03
DATE:	MARCH 24, 2022	S-11

Excavation Side

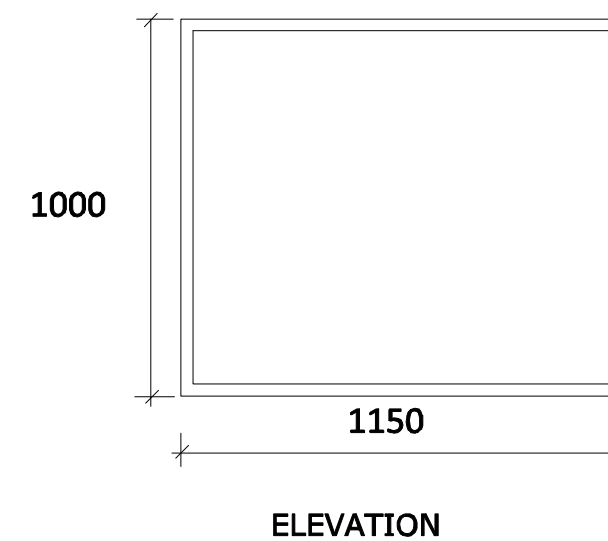
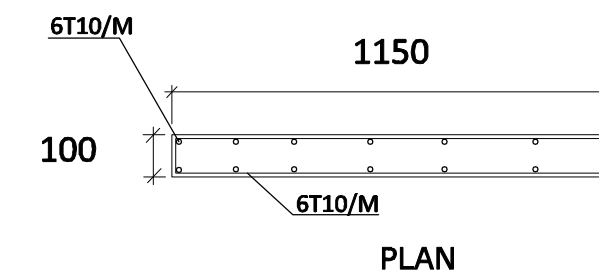
earth side



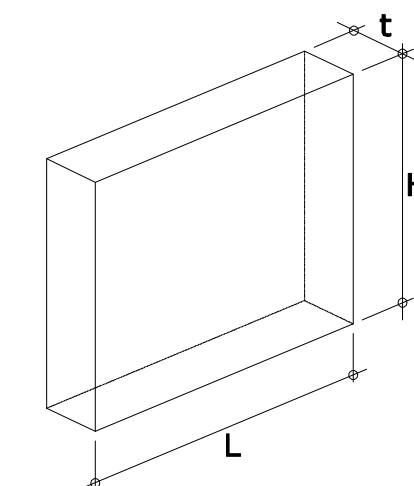
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	QTY (nos)	REMARKS
100	1000x1150	837	

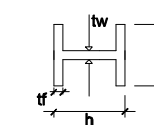


DETAIL OF CP

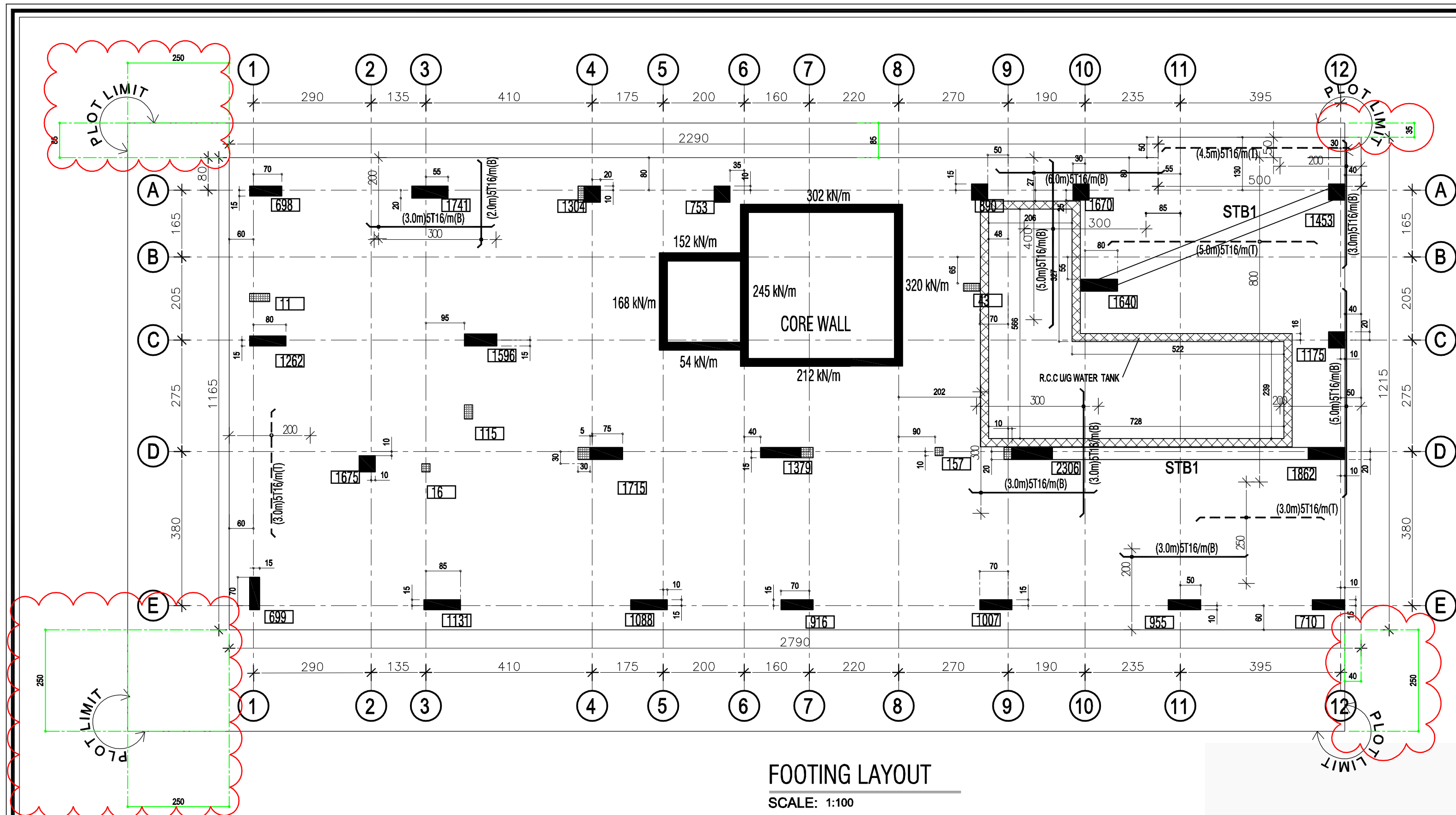


ISOMETRIC
DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 08.00m
SECTION	305x305x97kg/M
MASS (kg/m)	96.9
DEPTH,h (mm)	307.9
WIDTH,b (mm)	305.3
FLANGE,tf (mm)	15.4
WEB,tw (mm)	9.9
MODULUS, Zx	
PLASTIC (cm ³)	1445

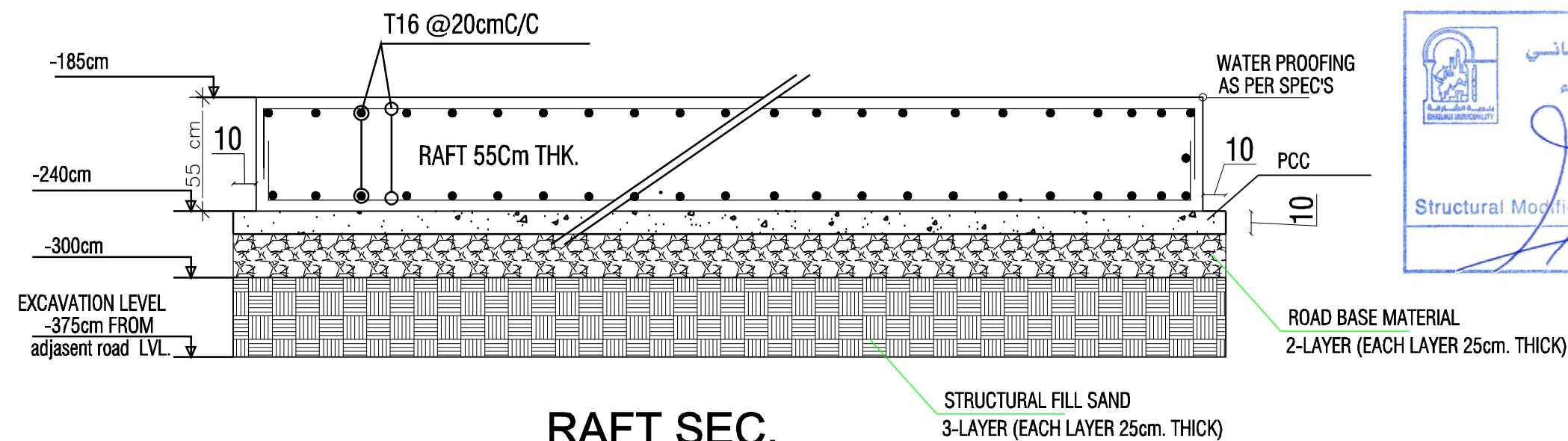


FOOTING LAYOUT

SCALE: 1:100

SCHEDULE OF STRAP BEAMS

TYPE	SIZE (cm)		BOTTOM BARS		TOP BARS		STIRRUPS	REMARKS
	WIDTH	DEPTH	STRAIGHT	EXTRA AT MIDSPAN	STRAIGHT	EXTRA AT SUPPORT		
STB1	30	120	(3+3)T20		(3+3)T20		T10@10cm (3L)	



RAFT SEC.

14. CONCLUSIONS AND RECOMMENDATIONS

Based upon the Borehole Logs, Field and routine Laboratory tests results and position of the Ground Water Table and nature of the project, and the presence of loose strata which is located from 2.00m to 4.00m depth, it is recommended to perform one of following methods in order to have a method can be applied for this case, taking in the consideration the economically and feasibility factors.

At the time of investigation, site was leveled and approximately same level of adjacent paved road.

Shallow Foundation:

Option (1) :-

TABLE 14.1 NET ALLOWABLE BEARING CAPACITY FOR RAFT FOUNDATION		
Type of Foundation	Allowable Bearing Pressure	Modulus of sub-grade
Raft Foundation	140 kN/m ²	8,400kN/m ²

The foundation settlement related to these values of pressure is less than the tolerable limits of 2 inch (50mm) for Raft foundation

- In order to lay the shallow foundations, proceed as follows:
- Excavate and level the existing soil at least -3.75m below the adjacent unpaved road. (-3.75m below the existing ground surface).
- Since excavation is below the water table, Dewatering is required.
- Compact using heavy rollers, the soil at the bottom of excavation at level of -3.75m below the adjacent unpaved road, to at least 95% of its maximum dry density at its optimum moisture content obtained from Modified Proctor Compaction Test. The foundation depth may vary according to architectural requirement.
- Fill by layers (Structural Fill SAND) up to the -2.50m below the adjacent paved road & compact each layer 75cm, using heavy rollers to at least 95% of its maximum dry density at its optimum moisture content obtained from Modified Proctor Compaction Test. The foundation depth may vary according to architectural requirement.
- Place at least two (2) layers of selected granular backfill materials (Road Base) 25cm thick each to reach the required foundation level. The layer shall be compacted by heavy vibratory roller to a degree of compaction not less than 98% of the maximum dry density as obtained by modified proctor compaction test (ASTM D 1557 - 98).
- Shallow foundation can be placed on engineered fill, (i.e., approximately -2.00m below the adjacent unpaved road).

GENERAL NOTES :

- DO NOT SCALE DIMENSIONS FROM DRAWING
- DRAWINGS SHOULD BE READ IN CONJUNCTION WITH OTHER RELATED DRAWINGS
- THE CONTRACTOR SHOULD REPORT IMMEDIATELY TO CONSULTANT ANY DISCREPANCIES FOUND IN THE DRAWING AND SHOULD BE RESOLVED BEFORE EXECUTION OF WORKS

-ALL DIMENSIONS ARE IN CENTI METERS.
-ALL LOADS ARE ULTIMATE IN KN.
-STEEL GRADE fy=460N/mm2.
-CONCRETE GRADE fcu=35N/mm2.



SUB CONTRACTOR:

MIDDLE EAST DEWATERING & FOUNDATIONS L.L.C



Mob.: 050-5392333
Tel.: 06-5696740
Fax.: 06-7406393
P.O. Box: 32578
Suite No. 104
Al Khudaira Bldg.
Opp. Rolla Park Parking
Al Zahra Road

E-mail: ashwaq.enggconsultants@gmail.com,
ashwaqameerkhan@yahoo.in

PROJECT:

PROPOSED G+3 BUILDING

CLIENT:

MR. HAMAD AHMED MOHAMED IBRAHIM AL HAMMADI

LOCATION:	PLOT NO.:	JOB. NO.:
COMMERCIAL MUWAILAH	3841	AEC-S-93
	MULK:	
	27/221	

TITLE:

FOOTING LAYOUT

SECTION:	STRUCTURAL	SCALE:
DESIGNED BY:	J.C. ADANTE	1:100
STRCT'L ENGR.:	A.A. KHAN	S-03
DATE:	MARCH 24, 2022	S-12

PLOT 724
EXISTING G+5 BUILDING

UNITED ARAB EMIRATES
Government of Sharjah
Roads & Transport Authority



دولة الإمارات العربية المتحدة
حكومة الشارقة
هيئة الطرق والمواصلات

المرجع: RN/076894
التاريخ: 15/10/2024

شهادة عدم معارضة

تدعيم جوانب الجدران

رقم	وصف	ملاحظات
1	تدعيم جوانب الجدران	المختبر لاختبار البنية
2	تدعيم جوانب الجدران	المختبر لاختبار البنية
3	تدعيم جوانب الجدران	المختبر لاختبار البنية
4	تدعيم جوانب الجدران	المختبر لاختبار البنية
5	تدعيم جوانب الجدران	المختبر لاختبار البنية
6	تدعيم جوانب الجدران	المختبر لاختبار البنية
7	تدعيم جوانب الجدران	المختبر لاختبار البنية
8	تدعيم جوانب الجدران	المختبر لاختبار البنية
9	تدعيم جوانب الجدران	المختبر لاختبار البنية
10	تدعيم جوانب الجدران	المختبر لاختبار البنية
11	تدعيم جوانب الجدران	المختبر لاختبار البنية



EXISTING G+15 BUI



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2. DO NOT SCALE THIS DRAWING.
3. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL, STRUCTURAL AND SERVICES, LANDSCAPING, ELECTRICAL AND MECHANICAL DRAWINGS, SPECIFICATIONS, DETAILS AND CONTRACT DOCUMENTS.
4. PREPARE WORKING DRAWING FOR APPROVAL IF REQUIRED BY CONSULTANT.
5. VERIFY ALL DIMENSIONS PRIOR TO EXECUTION.
6. THE CONTRACTOR AND HIS SUBCONTRACTORS ARE TO VERIFY ALL DIMENSIONS ON SITE BEFORE MAKING ANY SHOP DRAWINGS AND BEFORE EXECUTING THE WORKS.
7. ANY DISCREPANCIES EITHER BETWEEN WRITTEN DIMENSIONS OR BETWEEN THIS DRAWING AND OTHER CONSULTANTS OR SUPPLIERS DRAWING SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF ALL CONCERNED BEFORE EXECUTING THE WORKS.
8. FOR ELEMENTS WITH INDICATIVE DESIGN, THE CONTRACTOR(S) SHALL PREPARE CONSTRUCTION DETAILS FOR CONSULTANT APPROVAL PRIOR TO EXECUTION OF WORKS.

IMPORTANT NOTE:
THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS CONTAINED IN TENDER AND CONTRACT DOCUMENTS VOLUME - THE CONTRACTOR SHALL ENSURE COMPLIANCE TO DRAWINGS AND SPECIFICATIONS IN HIS LUNPSUM TENDER PRICE AND THE PRICED B.O.D. THE WORK SHALL BE EXECUTED ACCORDINGLY IN COMPLETE COMPLIANCE.

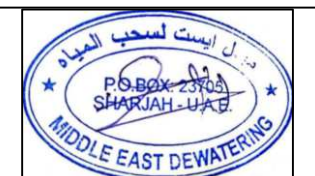


REV.	DESCRIPTION	DATE
0	MUNICIPALITY SUBMISSION	30-05-2024
...	...	...
...	...	...

THIS DRAWING IS ISSUED FOR:

☐ CLIENT REVIEW / APPROVAL	☐ TOWN PLANNING
☐ COORDINATION	☐ SEWA
☐ TENDER	☐ ETISALAT
☐ CONSTRUCTION	☐ CIVIL DEFENSE
☐ AUTHORITY	☒ MUNICIPALITY

SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



CLIENT:
MR. OMAR ALI AHMED SALIM ALOWAIS



LOCATION	BLOCK NAME	PLOT NO
BUTINA	ALSHARQ	980

PROJECT:
PROPOSED
G+3P+9 TYPICAL BUILDING

DRAWING TITLE:
SHORING LAYOUT PLAN

DESIGN ARCH.		CHECKED BY
PROJECT ARCH.		H.S
STRUC.	M.H	SCALE:
MEP		
DRAWN	M.H	

JOB NO:	DWG NO:	REV. NO.
	S27	

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PLOT 979
EMPTY PLOT

PLOT 722

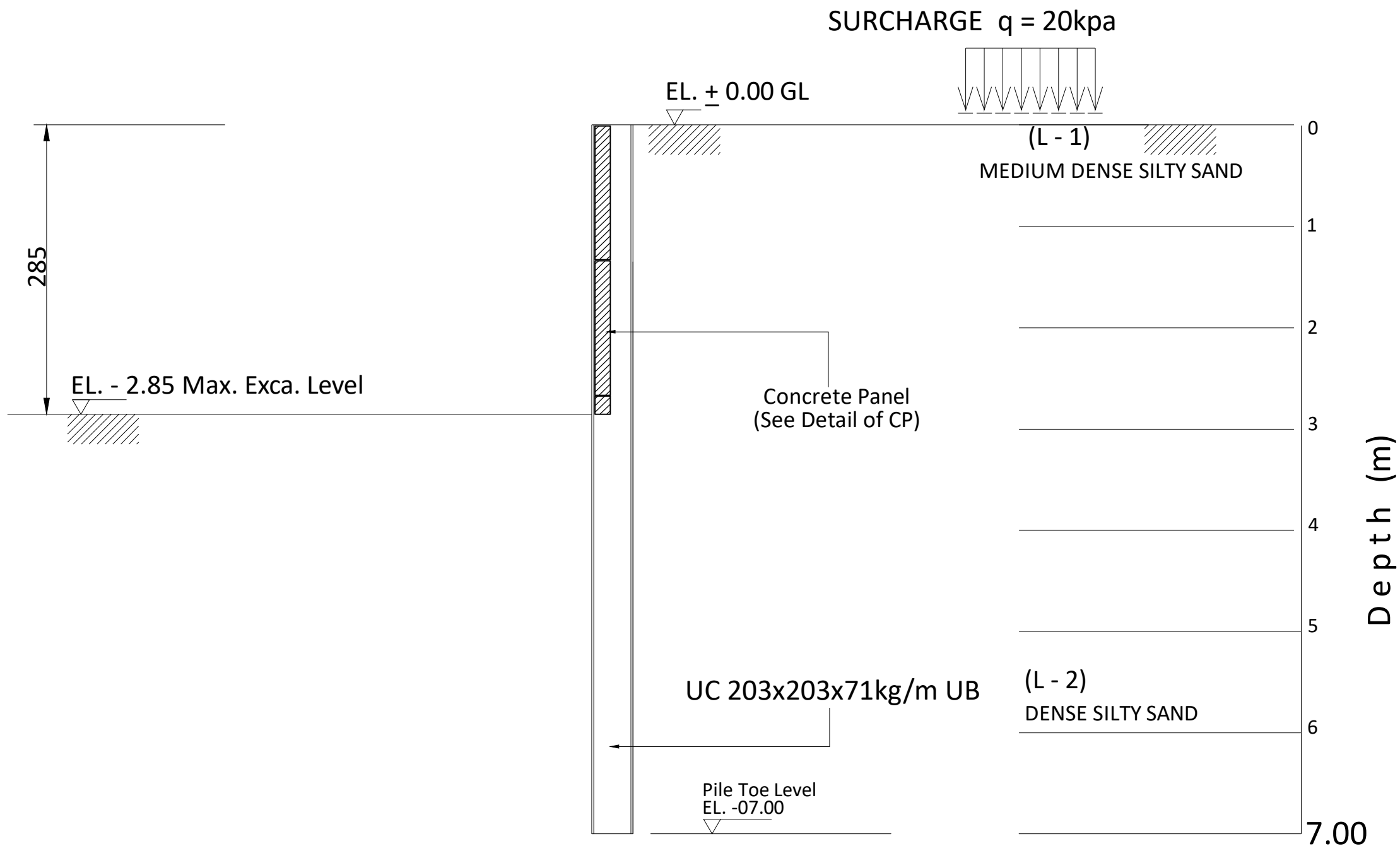
UC 203x203x71kg/M

ROAD 30.53

1 SHORING LAYOUT PLAN
SCALE 1:100 M

EXCAVATION SIDE

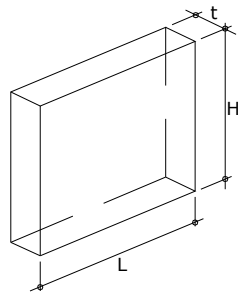
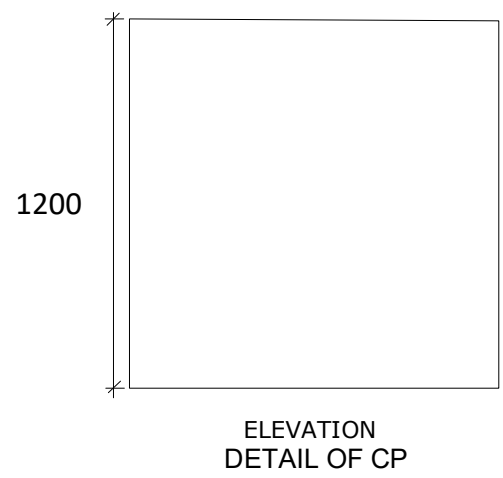
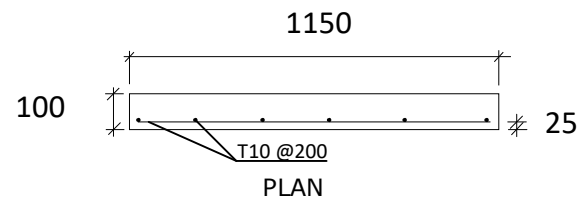
EARTH SIDE



SECTION A - A

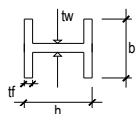
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1300x1150	



ISOMETRIC

SECTION PROPERTIES



H-BEAM	L = 07.00m
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,t _f (mm)	17.3
WEB,t _w (mm)	10
MODULUS, Z _x	
PLASTIC (cm ³)	706



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 - READ THIS DRAWING IN CONDUCTION WITH RELEVANT ARCHITECTURAL, STRUCTURAL AND SERVICES, ID, LANDSCAPING, DRAWINGS, SPECIFICATIONS, DETAILS AND CONTRACT DOCUMENTS.
 - PREPARE WORKING DETAILED DRAWING FOR APPROVAL IF REQUIRED BY CONSULTANT.
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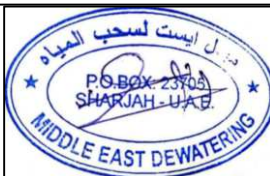


REV.	DESCRIPTION	DATE
0	MUNICIPALITY SUBMISSION	30-05-2024
...		
...		

THIS DRAWING IS ISSUED FOR:

☐ CLIENT REVIEW / APPROVAL	☐ TOWN PLANNING
☐ COORDINATION	☐ SEWA
☐ TENDER	☐ ETISALAT
☐ CONSTRUCTION	☐ CIVIL DEFENSE
☐ AUTHORITY	☒ MUNICIPALITY

SUB CONTRACTOR:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



CLIENT:
MR. OMAR ALI AHMED SALIM ALOWAIS



LOCATION	BLOCK NAME	PLOT NO
BUTINA	ALSHARQ	980

PROJECT:
PROPOSED
G+3P+9 TYPICAL BUILDING

DRAWING TITLE:
SHORING SECTION

DESIGN ARCH.		CHECKED BY
PROJECT ARCH.		H.S
STRUC.	M.H	SCALE:
MEP		
DRAWN	M.H	

JOB NO:	DWG NO:	REV. NO.
	S27	

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PLOT NO 482

EXISTING G+11 BUILDING

GENERAL NOTES:-
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4. ALL WORK AS OUTLINED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



Handwritten signature of the Engineer.



SUB CONTRACTOR
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



CLIENT
ABDULLA MOHAMMED ALI ALMULLA

PROPOSED PROJECT
PROPOSED BUILDING (G+5P+15F)

PLOT LOCATION
PLOT NO.: 481GOV - 125 MULK

SHEET CONTENT
SHORING LAYOUT

ARCHITECT XXXX	STRUCTURE ENG.M.H	M.E.P. XXXX
CHECKED BY XXXX	CHECKED BY H.S	CHECKED BY XXXX
DRAWN BY XXXX	DRAWN BY ENG.M.H	DRAWN BY XXXX

JOB NO : 774		DRWG. NO :
DATE 04/09/2024	SCALE 1:100	REF:NO:
NO.	DATE	REVISIONS

PLOT LIMIT

PLOT LIMIT

PLOT NO 483

EXISTING G+14 BUILDING

SIDEWALK

PARKING

ROAD 18.30 M

SIDEWALK

PARKING

ROAD 18.30 M

UC 203x203x71kg/M

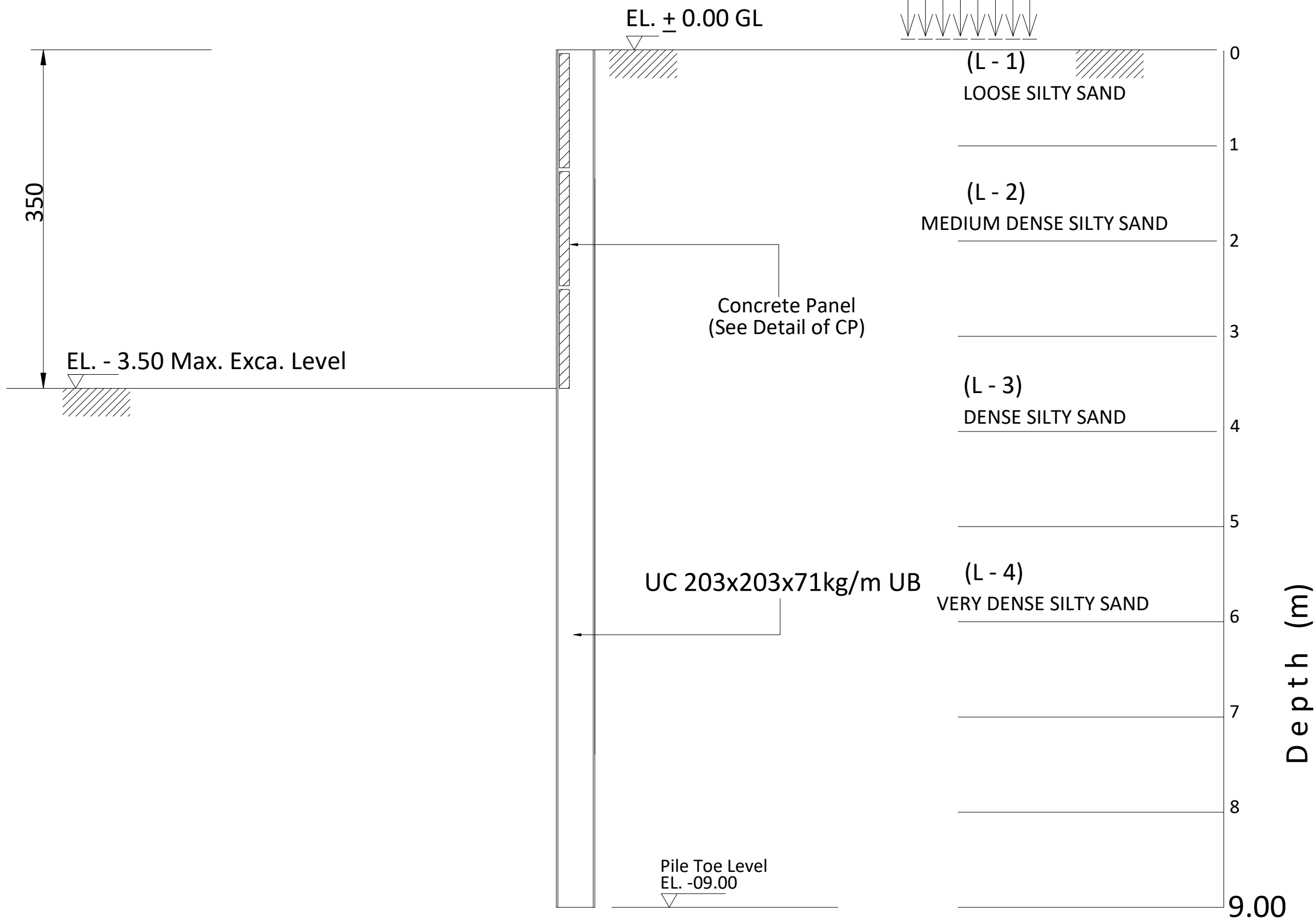
SHORING LAYOUT

SCALE : 1-100

EXCAVATION SIDE

EARTH SIDE

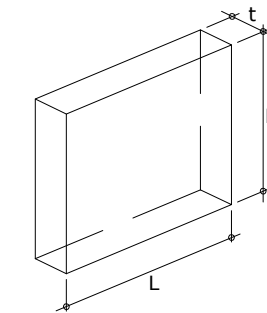
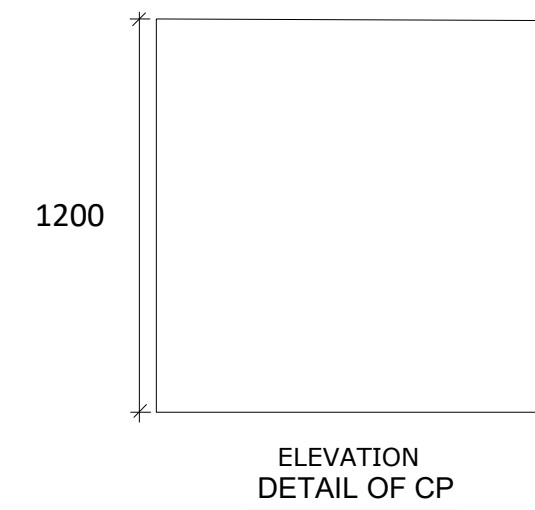
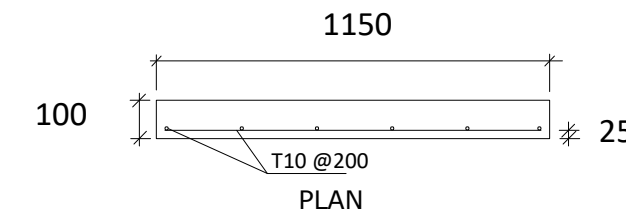
SURCHARGE $q = 20\text{kpa}$



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	



SECTION PROPERTIES

H-BEAM	L = 09.00m
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,tf (mm)	17.3
WEB,tw (mm)	10
MODULUS, Zx	
PLASTIC (cm ³)	706

GENERAL NOTES:-

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3. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT SECURING WRITTEN PERMISSION FROM THE ARCHITECT.
4. ALL WORK AS OUTLINED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.



SUB CONTRACTOR
MIDDLE EAST DEWATERING & FOUNDATION L.L.C



CLIENT
ABDULLA MOHAMMED ALI ALMULLA

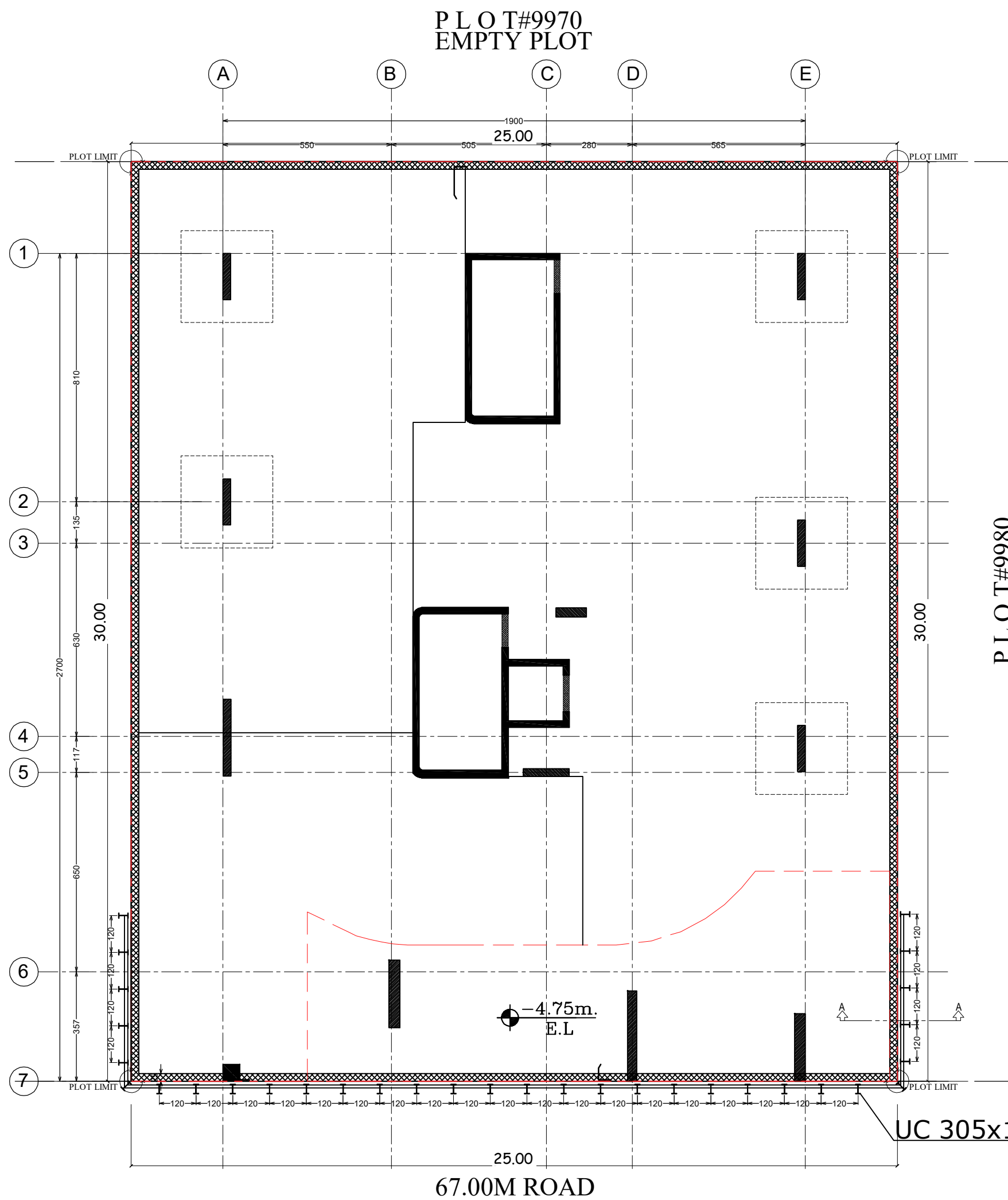
PROPOSED PROJECT
PROPOSED BUILDING (G+5P+15F)

PLOT LOCATION SECTOR : AL NUD
PLOT NO.: 481GOV - 125 MULK

SHEET CONTENT
SHORING SECTION

ARCHITECT XXXX	STRUCTURE ENG.M.H	M.E.P. XXXX
CHECKED BY XXXX	CHECKED BY H.S	CHECKED BY XXXX
DRAWN BY XXXX	DRAWN BY ENG.M.H	DRAWN BY XXXX
JOB NO : 774		DRWG. NO :
DATE 04/09/2024	SCALE 1:100	REF:NO:
NO.	DATE	REVISIONS

P L O T#9964
EMPTY PLOT



ENMAA ENGINEERING CONSULTANTS

المساحة / بلدية مدينة الشارقة - إدارة تراخيص البناء

المؤثرين:

الاستشاري: إتمام للاستشارات الهندسية

المالك: عبدالمحسن إبراهيم العلي

تفاصيل المشروع: بناء تجارية (سرداب - أرضي - طابق مواقف سيارات - 5 طوابق متكرر)

رقم قطعة الأرض: 9963 والمطابقة: بلال الشارقة

تعليم:

بالإشارة إلى الموضوع أعلاه ، نتعهد نحن الاستشاري بتحمل المسؤولية عن سلامة التصميم والمقترح لمخططات سند جوانب الحفر المقدمة من قبل مقاول سند جوانب الحفر ، وأن المخططات مطابقة لاشتراطات البلدية وحسب الأصول .

وكما نمر بتحمل كافة المسؤولية حيال ذلك

تفصيلاً بقبول فائق الاحترام والتقدير

ASAS Building, Block B,
1st Floor, Office no. 6&7,
Muteha Road,
Warehouses Land,
Sharjah - U.A.E
Tel: +971-65238228

قطاع الهندسة والسياسي

إدارة تراخيص البناء

21-11-2024

Structural Approved

التوقيع

GENERAL NOTES:-

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4. ALL WORK AS OUTLINED IN THESE DOCUMENTS, SHALL STRICTLY CONFORM TO ALL APPLICABLE CODES. IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.

إتمام للاستشارات الهندسية ذ.م.م

ENMAA ENG. CONSULTANTS L.L.C

Date :

مخططات هندسية فقط

Only Engineering Drawing

ENMAA ENGINEERING CONSULTANTS

+971 56 230 98 97 +971 6 52 38 228 +971 6 56 55 007

info@enmaaengcon.com www.enmaaengcon.com

م.ل. ابيست لسحب المياه

P.O. BOX 23703

SHARJAH - U.A.E.

MIDDLE EAST DEWATERING

SUB CONTRACTOR

MIDDLE EAST DEWATERING & FOUNDATION L.L.C

CLIENT

عبد المحسن ابراهيم العلي

PROPOSED PROJECT

PROPOSED BUILDING (B +G+1P+5T)

PLOT LOCATION

TILAL/SUBURB OF SEYOUH

PLOT NO : 9963

SHEET CONTENT

SHORING LAYOUT

HEAD OF SEC:		
ARCH.DESIGNED BY: ENG.	DRAW BY: ENG.	T.P.DRAW BY: ENG.
STRUCT. DESIGN BY: ENG. M.H	DRAW BY: ENG. M.H	
ELECTRICAL DESIGN BY: ENG.	DRAW BY: ENG.	MUN.DRAW BY: ENG.
SERVICES DESIGN BY: ENG.	DRAW BY: ENG.	
JOB NO: 1765		DRWG. NO : S-06
DATE	SCALE	REF. NO.
NO.	DATE	REVISIONS

EXCAVATION SIDE

EARTH SIDE

SURCHARGE $q = 20\text{kpa}$

EL. ± 0.00 GL

475

EL. - 4.75 Max. Exca. Level

Concrete Panel
(See Detail of CP)

UC 305x165x54kg/m UB

Pile Toe Level
EL. -12.00

(L - 1)
LOOSE SILTY SAND

(L - 2)
MEDIUM DENSE SILTY SAND

(L - 3)
DENSE SILTY SAND
(L - 4)
VERY DENSE SILTY SAND

Depth (m)

0

1

2

3

4

5

6

7

8

9

10

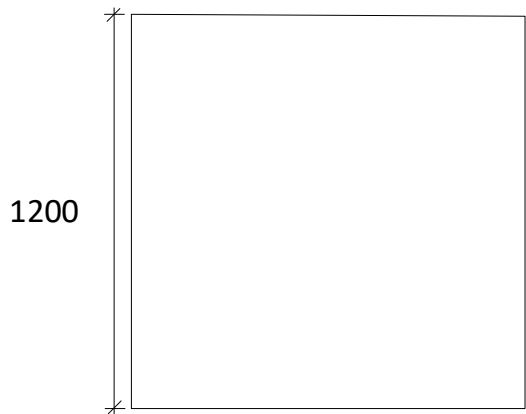
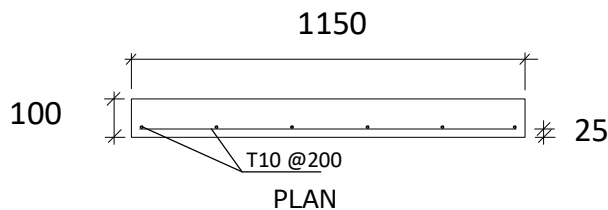
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12.00

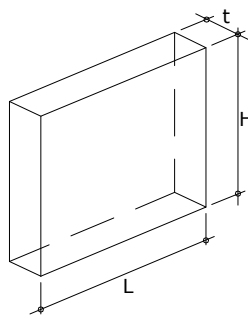


SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	

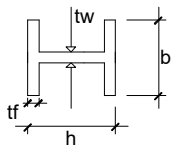


ELEVATION
DETAIL OF CP



ISOMETRIC

SECTION PROPERTIES



H-BEAM	L = 12.00m
SECTION	305x165x54kg/M
MASS (kg/m)	54
DEPTH,h (mm)	310.4
WIDTH,b (mm)	166.9
FLANGE,tf (mm)	13.7
WEB,tw (mm)	7.9
MODULUS, Zx	
PLASTIC (cm ³)	753.6

GENERAL NOTES:-

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SUB CONTRACTOR
MIDDLE EAST DEWATERING &
FOUNDATION L.L.C

CLIENT
عبد المحسن ابراهيم العلي

PROPOSED PROJECT
PROPOSED BUILDING (B +G+1P+5T)

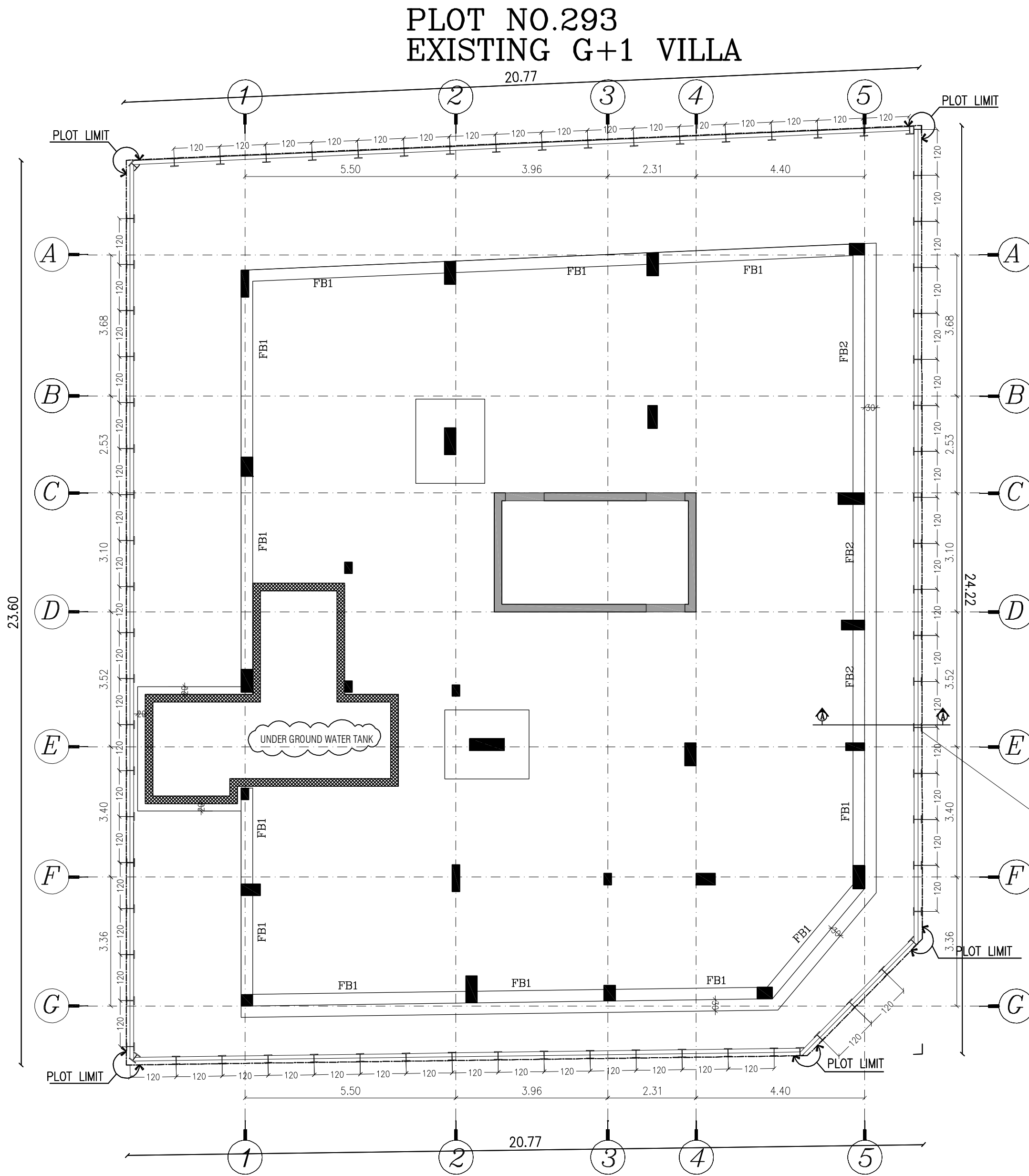
PLOT LOCATION TILAL/SUBURB OF SEYOUH
PLOT NO :9963

SHEET CONTENT
SHORING SECTION

HEAD OF SEC:		
ARCH.DESIGNED BY: ENG.	DRAW BY: ENG.	T.P.DRAW BY: ENG.
STRUCT. DESIGN BY: ENG. M.H	DRAW BY: ENG. M.H	
ELECTRICAL DESIGN BY: ENG.	DRAW BY: ENG.	MUN.DRAW BY: ENG.
SERVICES DESIGN BY: ENG.	DRAW BY: ENG.	

JOB NO: 1765		DRWG. NO : S-06	
DATE		SCALE	REF. NO.
NO.	DATE	REVISIONS	

PLOT NO.291
EXISTING G+1 VILLA



ROAD W = 9.15 M

ROAD W = 12.20 M

UB 203x203x71kg/M

SHORING LAYOUT

NOTE :
ALL COLUMN LOADS ARE ULTIMATE LOADS (KN)



Sub contractor:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

Project:
PROPOSED GROUND + 2 BUILDING
PLOT NO: 292- MAYSALOON - SHARJAH

Client:
Mr.: ABDUL AZIZ MOHAMED ABDULRAHIM ALAWADHI

الإمارات الهندسية
EAMAR AL EMARATE
ENGINEERS CONSULTING ARCHITECTS
TEL:06/5631113 P.O.BOX:46968 SHJ. FAX:06/5634443

Drawing
Title.

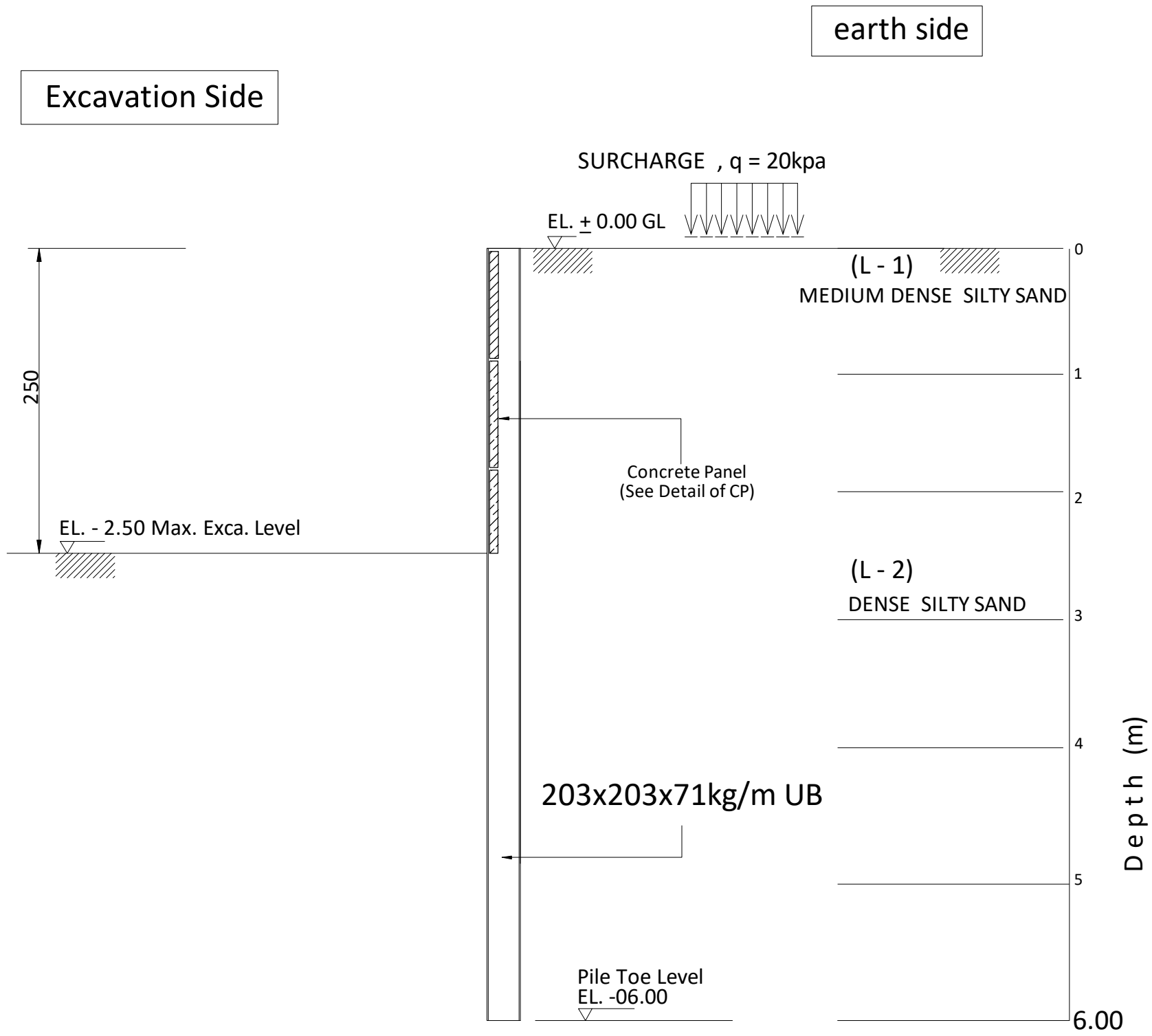
SHORING LAYOUT

Date:07-05-2024 Job no: B-105 Drawn by:M.H

Scale: 1 / 100 Design:M.H Checked by:H.S

Drawing Number : 2-4

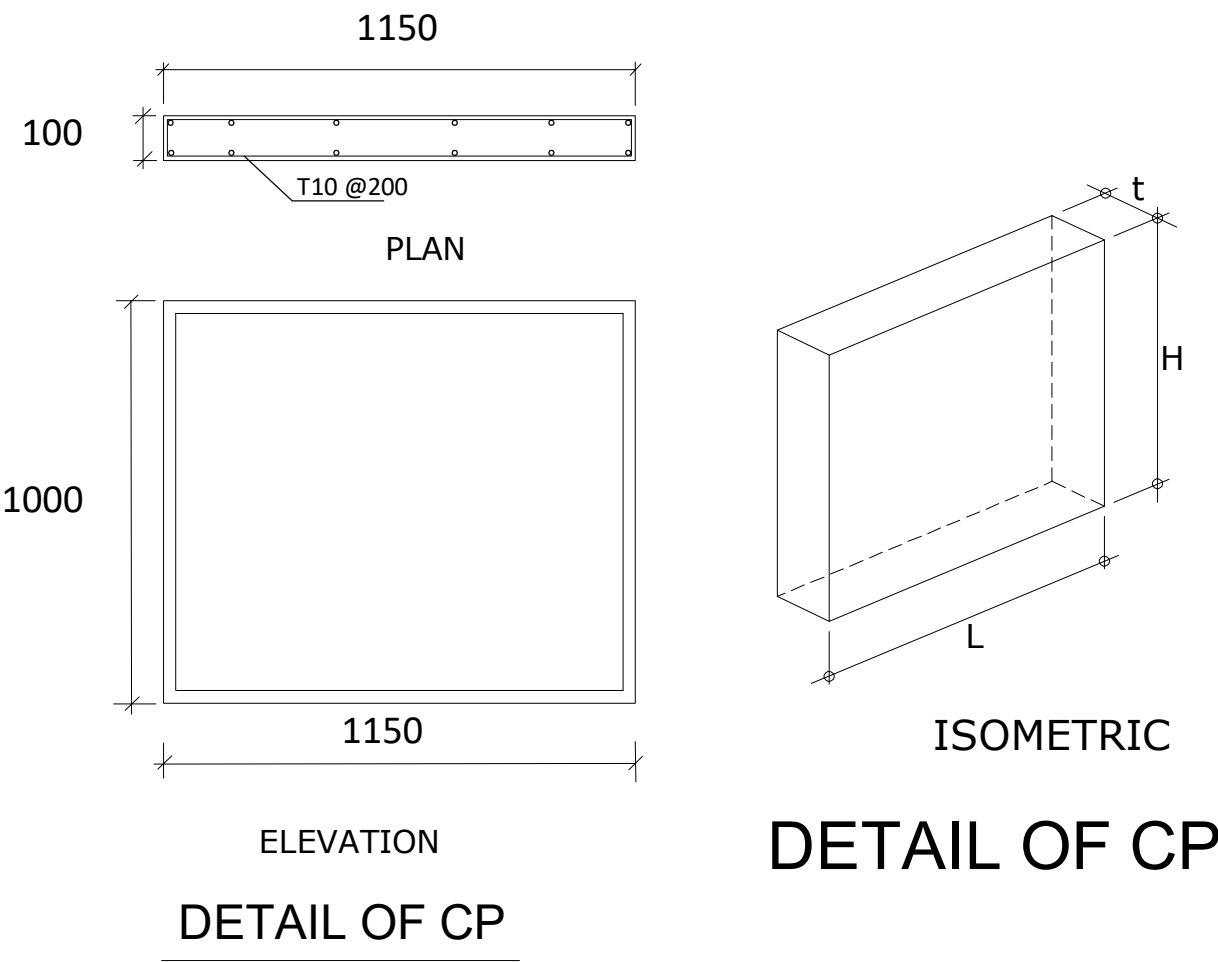




SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



SECTION PROPERTIES

H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,t'f (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	

NOTE :
ALL COLUMN LOADS ARE ULTIMATE LOADS (KN)



Sub contractor:
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

Project:
PROPOSED GROUND + 2 BUILDING
PLOT NO: 292- MAYSALOON - SHARJAH

Client:
Mr.: ABDUL AZIZ MOHAMED ABDULRAHIM ALAWADHI



Drawing
Title.

SHORING SECTION

Date:07-05-2024 Job no: B-105 Drawn by: M.H

Scale: 1 / 100 Design:M.H Checked by:H.S

Drawing Number : 2-4

EXCAVATION SIDE

EARTH SIDE

SURCHARGE $q = 20\text{kpa}$

EL. ± 0.00 GL
(L - 1)
MEDIUM DENSE SILTY SAND

(L - 2)
DENSE SILTY SAND

(L - 3)
MEDIUM DENSE SILTY SAND

(L - 4)
DENSE SILTY SAND

(L - 5)
VERY DENSE SILTY SAND

Concrete Panel
(See Detail of CP)

UC 203x203x71kg/m UB

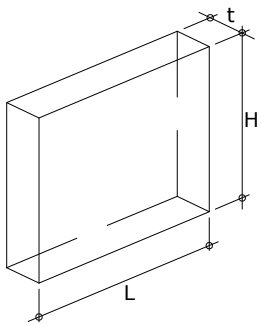
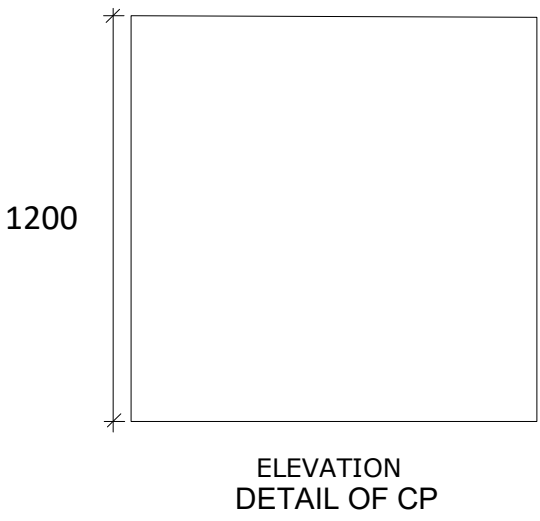
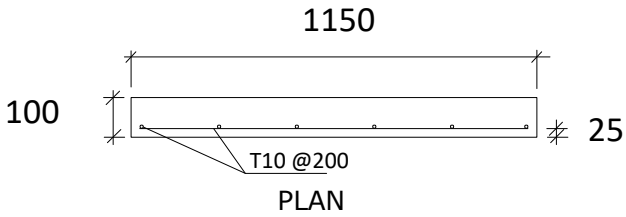
Pile Toe Level
EL. -12.00

Depth (m)

12.00

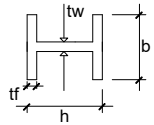
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	



ISOMETRIC

SECTION PROPERTIES



H-BEAM L = 12.00m	
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
WIDTH,b (mm)	206.4
FLANGE,tf (mm)	17.3
WEB,tw (mm)	10
MODULUS, Zx	
PLASTIC (cm ³)	706



GENERAL NOTES :

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- ALL DIMENSIONS TO BE VERIFIED ON SITE
- THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
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- CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
- THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR :
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

DESIGN CONSULTANT:

الاستشارات
Engineering Consultancy



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P.O.BOX : 1388, SHARJAH , UAE EMAIL : investment.shj@gmail.com
www.investmentengineering.ae

CLIENT'S :-
MR.AHMED MOHAMMED ABDULLA BINBBUWAID ALMAZROUEI

PROJECT TITLE :-
PROPOSED BUILDING G+2

DWG. TITLE :
SHORING SECTION A

PLOT NO:-	MULK 650 GOV. 585	BLOCK:- AL TAY WEST / SEYOUH	
DESIGNED BY:- M.H	CORDINATED BY:- -----	APPROVED BY:- H.S	DRAWING NO. :-
3D PERSPECTIVE BY:- -----	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 28.11.2024	JOB NO. :- INV 349

EXCAVATION SIDE

EARTH SIDE

SURCHARGE $q = 20\text{kpa}$

EL. - 0.95 GL

(L - 1) 
MEDIUM DENSE SILTY SAND

(L - 2)
DENSE SILTY SAND

(L - 3)
VERY DENSE SILTY SAND

Concrete Panel
(See Detail of CP)

UC 203x203x71kg/m UB

Depth (m)

12.00

SECTION A - A

THK(mm)	SECTION	WD(mm)
100	1100x1150	

Figure 10 shows the plan view of the beam. The beam has a total length of 1150 mm and a total height of 100 mm. It shows a cross-section with a top flange and a bottom flange. The bottom flange is reinforced with T10 bars at 200 mm spacing. The label 'PLAN' is centered below the beam.

1200

ELEVATION
DETAIL OF CP



ISOMETRIC

SECTION PROPERTIES



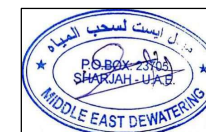
H-BEAM L = 12.00m		
SECTION	UC 203x203x71kg/m	
MASS (kg/m)		71
DEPTH,h (mm)		215.8
WIDTH,b (mm)		206.4
FLANGE,t _f (mm)		17.3
WEB,t _w (mm)		10
MODULUS, Z _x		
PLASTIC (cm ³)		706



FOR MUNICIPALITY USE

GENERAL NOTES :

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4. CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
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6. CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
7. THE COPY RIGHTS OF THIS PLANS AND DRAWINGS ARE RESERVED FOR INVESTMENT ENGINEERING CONSULTANCY. 2005



SUB CONTRACTOR :
**MIDDLE EAST DEWATERING &
FOUNDATION L.L.C**

NO.	DATE	REVISION

DESIGN CONSULTANT:

INVESTMENT
الاستثمار
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CLIENT'S :-
MR. MOHAMED AHMAD ALI ALZAROONI

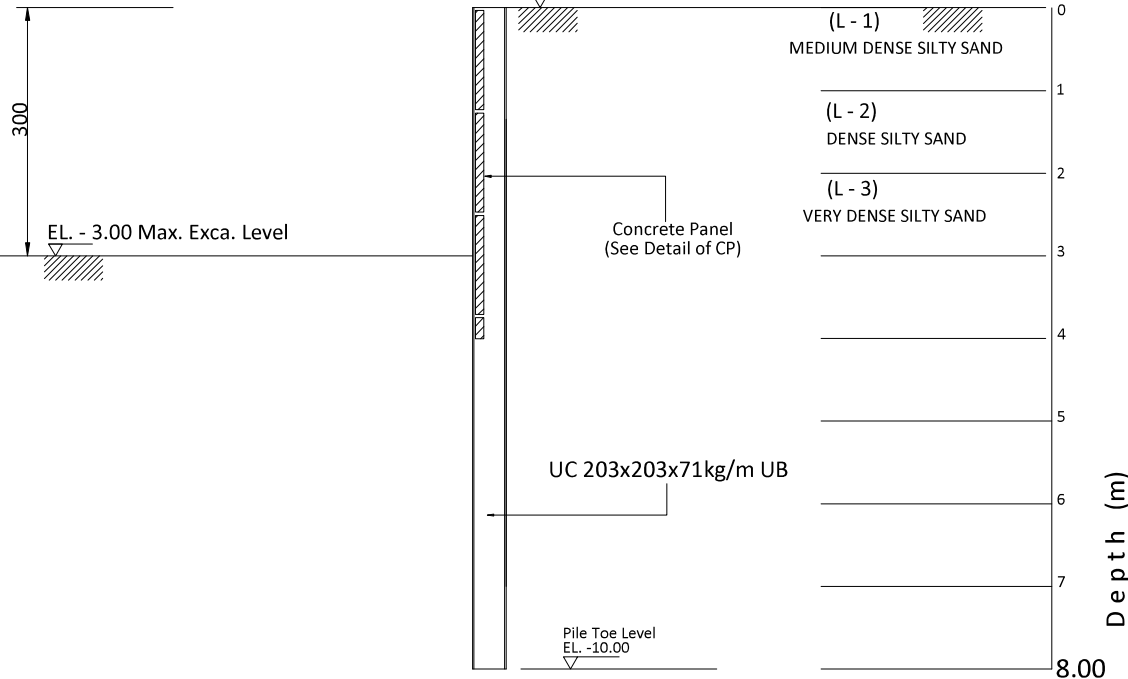
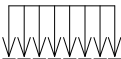
PROJECT TITLE :-
PROPOSED BUILDING G+2

DWG. TITLE :
SHORING SECTION A

PLOT NO:-	MILK 580	BLOCK:- AL TAY WEST / SEYOUH	
	GOV. 480		
DESIGNED BY - E.M.H	CORRINATED BY -	APPROVED BY - H.S	DRAWING NO. -
3D PERSPECTIVE BY:	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 15.09.2024	JOB NO. - INV 345

EXCAVATION SIDE

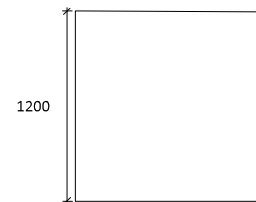
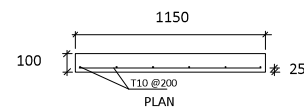
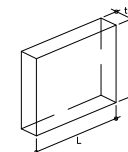
EARTH SIDE

SURCHARGE $q = 20\text{kpa}$ EL. ± 0.00 GL

SECTION B - B

SCHEDULE OF CONCRETE PANEL

THICKNESS	SECTION	REMARKS
100	1200x1150	

ELEVATION
DETAIL OF CP

ISOMETRIC

SECTION PROPERTIES



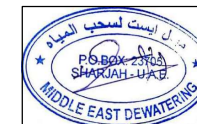
H-BEAM	L = 8.00m
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH _h (mm)	215.8
WIDTH _b (mm)	206.4
FLANGE _{tf} (mm)	17.3
WEB _{tw} (mm)	10
MODULUS, Z_x	
PLASTIC (cm^3)	706



FOR MUNICIPALITY USE

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SUB CONTRACTOR :

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DESIGN CONSULTANT:

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CLIENTS :-

MR. MOHAMED AHMAD ALI ALZARROONI

PROJECT TITLE :-

PROPOSED BUILDING G+2

DWG. TITLE :

SHORING SECTION B

PLOT NO-	580	BLOCK-	AL TAY WEST / SEYUOH
DATE	15.09.2024	DATE	15.09.2024
DESIGNED BY-	E.M.H	APPROVED BY-	H.S
3D PERSPECTIVE BY-	SCALE- 1/100	DATE-	15.09.2024
	SHEET NO-		INV 345