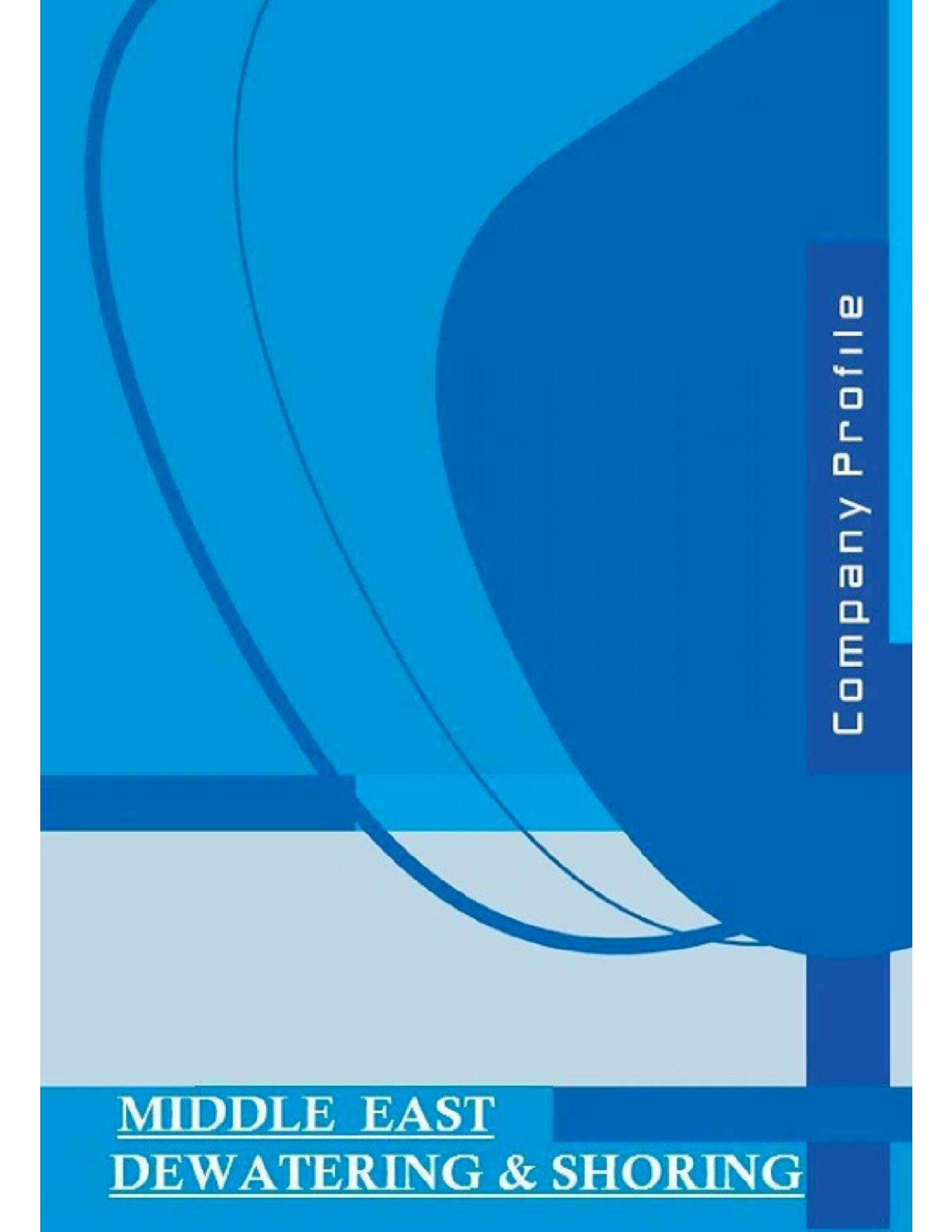


The background is a solid blue color with large, abstract, curved shapes in a darker shade of blue. A horizontal band of a lighter blue color runs across the middle of the page.

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.

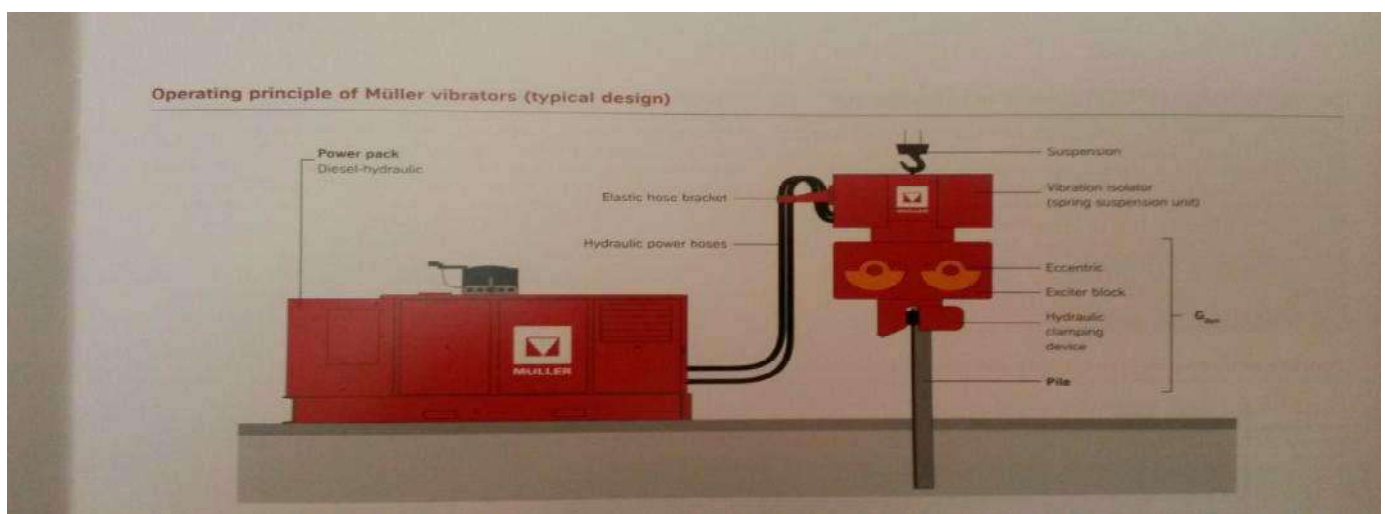
MED team uses the latest tech and our very long experience to complete the most difficult dewatering and shoring works with efficiency and considerable speed which gained us the reputation and legacy we are known of today.

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.





رخصة تجارية
Trading License



218280

License Details

تفاصيل الرخصة

Issue Date	23-03-1996	تاريخ الإصدار	License No.	218280	رقم الرخصة
Expiry Date	20-03-2026	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	الصفة	رقم الهوية / الجواز	الجنسية	اسم المستثمر	رقم المستثمر
Shares	Type	ID \ Passport No	Nationality	Investor Name	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

المدير حسنى مصطفى عدلى سلطان, حسنى مصطفى عدلى سلطان, عليه شهدى احمد فرج

أنشطة الرخصة مقاولات فئة سادسة, سحب المياه الجوفية

العنوان الشارقة-الصجعة صناعية/الشارقة-شارع الذيد أرض مسورة ملك ماجد احمد عبدالله الشامسي

الهاتف المتحرك: 0506464745

صندوق البريد: الشارقة 23705

البريد الإلكتروني: coastmiddleeast@gmail.com



User Name 10000019

رقم المستخدم

Printing Date

19-04-2025

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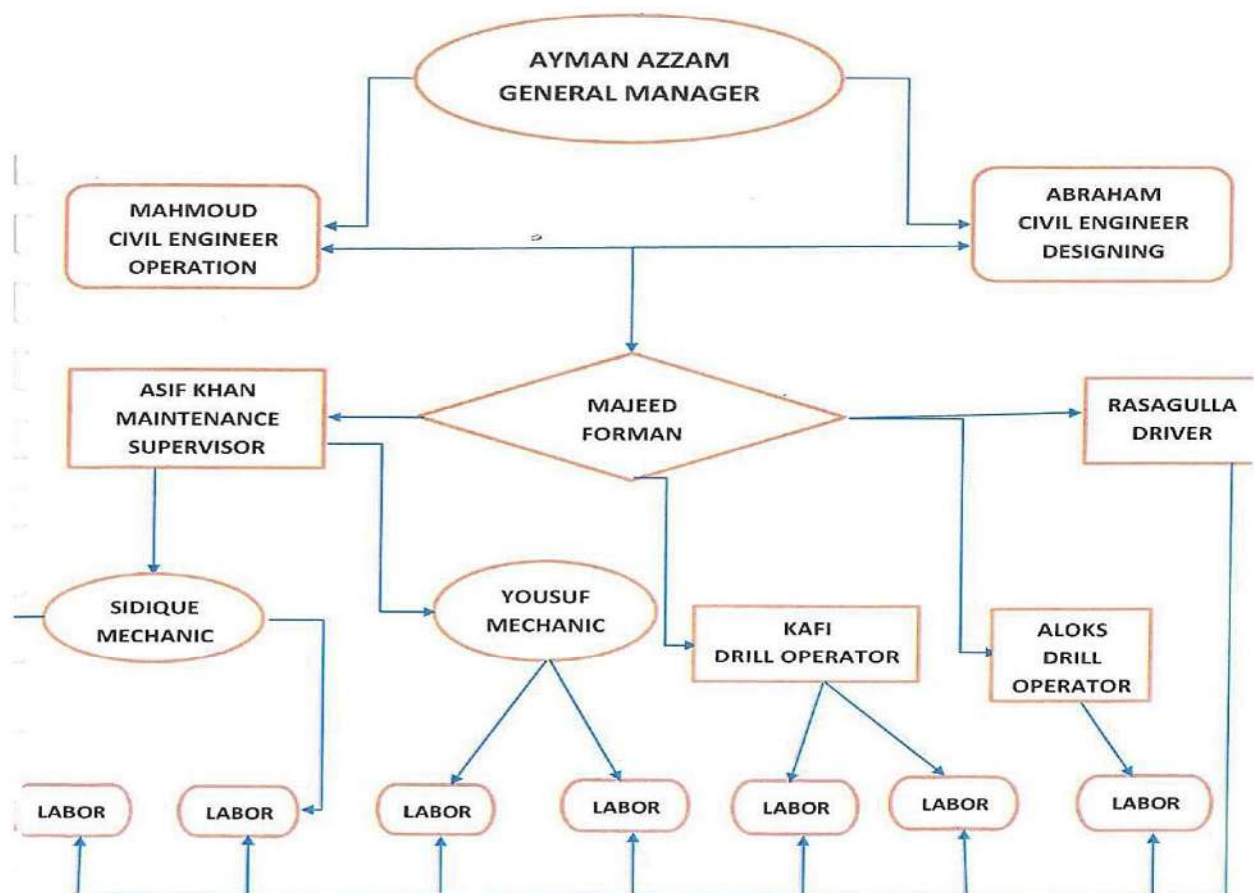
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للتأكد من صحة البيانات يرجى زيارة موقع الدائرة: www.sedd.ae

- يمنع توزيع الإعلانات في الأماكن العامة والأحياء السكنية.

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

Our Successfully Completed Projects:-

CONTRACTOR	CONSULTANT	PROJECT	LOCATION
AL SERH AL Al Kaber CONT.	NEXT ENGINEERING	G+B+14	SHARJAH
AL SEWAR BUILD. CONT.	SHARJAH ENGINEERING	G+4	SHARJAH
JABAL HAFEET CONTRACTING	NEXT ENGINEERING	G+12	SHARJAH
AL JAWHER CONTRACTING	FUTURE ENGINEERING	G+3	RAS AL KHAIMA
AL MONTASAR CONT.	SHIED	G+2	SHARJAH
AL ILHAM CONTRACTING	GEO CONSULTANT	B+G+2	SHARJAH
AL QABDHA CONTRACTING	NEXT	G+7	QASIMIYA
AL WATHBA CONT	INTERNATIONAL	G+6	SHARJAH
AL QASR AL SHARQI CONTRACTING	AL MANAKH	B+G+20	SHARJAH
JABAL HAFEET BLDG CONT	INTERNATIONAL	G+5	SHARJAH
AL IHSAN CONTRACTING	NEXT	B+G+6	SHARJAH
AL KHAT AL RAQI BLD. CONT.	GEO CONSULTANT	G+4	SHARJAH
AL MOWQEE BUILD. CONT.	SHARJAH ENGINEERING	G+6	SHARJAH
AL MOWQEE BUILD. CONT.	SHARJAH ENGINEERING	G+M+4	SHARJAH
AL MONTASAR CONT.	INTERNATIONAL	G+6	AL KHAN
AL MONTASAR CONT.	INTERNATIONAL	G+8	AL NAHDA
AL MONTASAR CONT.	SHARJAH ENGINEERING	G+4	MAJAZ

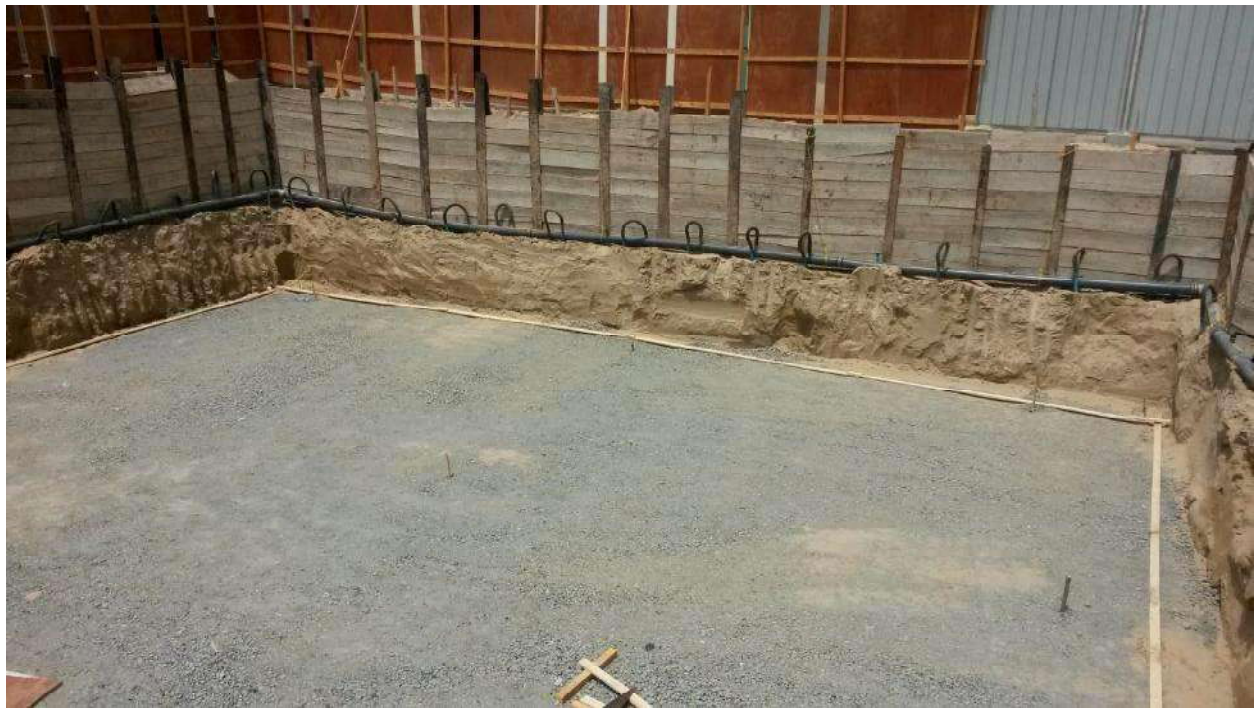
CONTRACTOR	CONSULTANT	PROJECT	LOCATION
MODERN BUILDING CONT.	DAR AL KHALEEJ	B+G+24	AL MAMZAR
SARCO CONTRACTING	FUTURE ENGINEERING	B+G+1	AL QASIMIYA
ULTRA POWER	AL KALABAWAY	G+5	AJMAN
AL SERAH AL KABEER	INTERNATIONAL	G+7	SHARJAH
AL ILHAM	INTERNATIONAL	G+M+7+ROOF	SHARJAH
DAR AL SEROR BLDG CONT	NEXT	B+G+12	SHARJAH
AL WATHBA CONTRACTING	FUTURE ENGINEERING	G+14	SHARJAH
SARCO CONT	SHIDED	G+8	SHARJAH
AL ILHAM CONTRACTING	GEO CONSULTANT	B+G+2	SHARJAH
AL HAMAD CONT CO	SHARJAH ENGINEERING	G+7	QASIMIYA
AL WATHBA CONT	INTERNATIONAL	G+6	SHARJAH
AL SARH AL ARABI CONT	AL MANAKH	B+G+20	SHARJAH
TAWAZUN CONT CO	INTERNATIONAL	G+5	SHARJAH
AL IHSAN CONTRACTING	SHARJAH ENGINEERING	G+6	SHARJAH
AL WATHBA CONT CO.	GEO CONSULTANT	G+4	SHARJAH
AL MOWQEE BUILD. CONT.	SHARJAH ENGINEERING	G+6	SHARJAH
AL SARH AL KABEER. CONT.	SHARJAH ENGINEERING	G+M+15	SHARJAH
AL ILHAM CONT.	INTERNATIONAL	G+6	AL KHAN
GOLDEN BILT CONT.	INTERNATIONAL	G+8	AL NAHDA

CONTRACTOR	CONSULTANT	PROJECT	LOCATION
JABAL HAFEET BLDG CONT	SHARJAH ENGINEERING	G + 4 P + 14	AL NAHDA
AL JAONA CONT	FUTURE ENGINEERING	G + 7	AL AZRAA
AL MULTAQA CONT CO	INTERNATION	G + 4	AL AZRAA
MIRDIF BLDG CONT	SHARJAH ENGINEERING	G + 5	MEWAILEAH
AL INJAZAT AL HANDASYA	NEXT	G + 9	BUTINA
EUROPIAN UNIOIN CONT	INTERNATIONAL	G + 7	BUTINA
IDEAL BULG CONT	SHARJAH ENGINNERING	G + 5	MEWAILEAH
AL SARH AL KABEER CONT	TRILIUM	G + 7 P+39 F	AL QASBAA
AL WATHBA CONT CO	NEXT	G + 15	AL NAHDA
BIN AHMED CONT CO	FUTURE ENGINEERING	G + 10	BUTINA
AL SARH AL KABEER CONT	TRILIUM	G + 4 P+ 15	AL MAJAZ
AYA CONT CO	SHARJAH ENGINEERING	G + 7 P+ 14	AL MAJAZ
ABDUL AL KHAYAL CONT	INTERNATIONAL	G + M + 6	BUTINA
AL SARH AL KABER CONT	SHARJAH ENGINEERING	B + G + 1	HILWAN
GOLDEN BILT CONT	NEXT	G + M + 7	AL MAJARA
IDEAL BULG CONT	INVEST CONSULTANT	B + G + M +1	IND 18
DAR AL OMRAN CONT	GULF SKY CONSULTANT	G + M + 15	AL QASIMIYA
AL BIT AL ISLAMI CONT	INTERNATIONAL	G + 4	MEWAILEAH
GOLDEN BILT CONT	INTERNATIONAL	G + 7	MEWAILEAH

CONTRACTOR	CONSULTANT	PROJECT	LOCATION
AL SARH AL KABEER	TRILUM CONSALTANT	G + M +14	AL KHAN
AL WATHBA CONT	SHARJAH ENGINEERING	G + 4	AL NAHDA
DAR AL OMRAN CONT	GULF SKY CONSULTANT	G + 15	AL KHAN
AL MUNTASTER CONT	SHARJAH ENGINEERING	G + M+ 12	AL MAJARA
AL SARH AL KABER CONT	SHARJAH ENGINEERING	G + M +7P+ 39	AL QASBAA
DAR AL OMRAN CONT	GULF SKY CONSALTANT	G + 7	IND 4
BIN AHMED CONT CO	FUTURE ENGINEERING	G + 10	BUTINA
ABDALLA AL KHAYAL CONT	FUTURE ENGINNERING	G + 3	AL RAHMINYA
AL HAMAD CONT	NEXT ENG. CONSLTANT	B + G + M + 5	RAS AL KHIMA
AL SARH AL KABEER CONT	AL BAIT ENG. CONSULTANT	G + 3 P + 14 TYP	AL MAJAZ
IDEAL BLDG CONT CO	MARINA ENG CONSULTANT	G + 4 TYP	AL NABAA
AL SERH AL KABEER CONT	AL BAIT ENG. CONSULTANT	G + 5 P + 15 TYP	GAMAL ABD AL NASER
AL RAMZ BLDG CONT	SHARJAH ENG CONSULTANT	G + 2 P + 5 TYP	MEWALEEH
NAJMAT AL SHARQ BLDG CONT	INTERNATIONAL ENG CONSULTANT	G + 4 TYP	AL MAJARA
EROPUAN UNION BLDG CONT	INTERNATIONAL ENG CONSULTANT	G + 1 TYP FLOOR	AL YARMOUK
AL SERH AL KABEER CONT	AL ALAM ENG CONSULTANT	G + 5 P + 15 TYP	AL NAHADA
AL BAIT AL ISLAMI BLDG	AFAQ AL MUSTAQBAL ENG CONSULTANT	G + 3 TYP FLOOR	MEWALEEEH
AL MONTASER BLDG CONT	SHARJAH ENG CONSULTANT	G + 5 TYP FLOOR	AL MAJARA

SITE WORK PHOTOS IN DIFFERENT STAGES:-









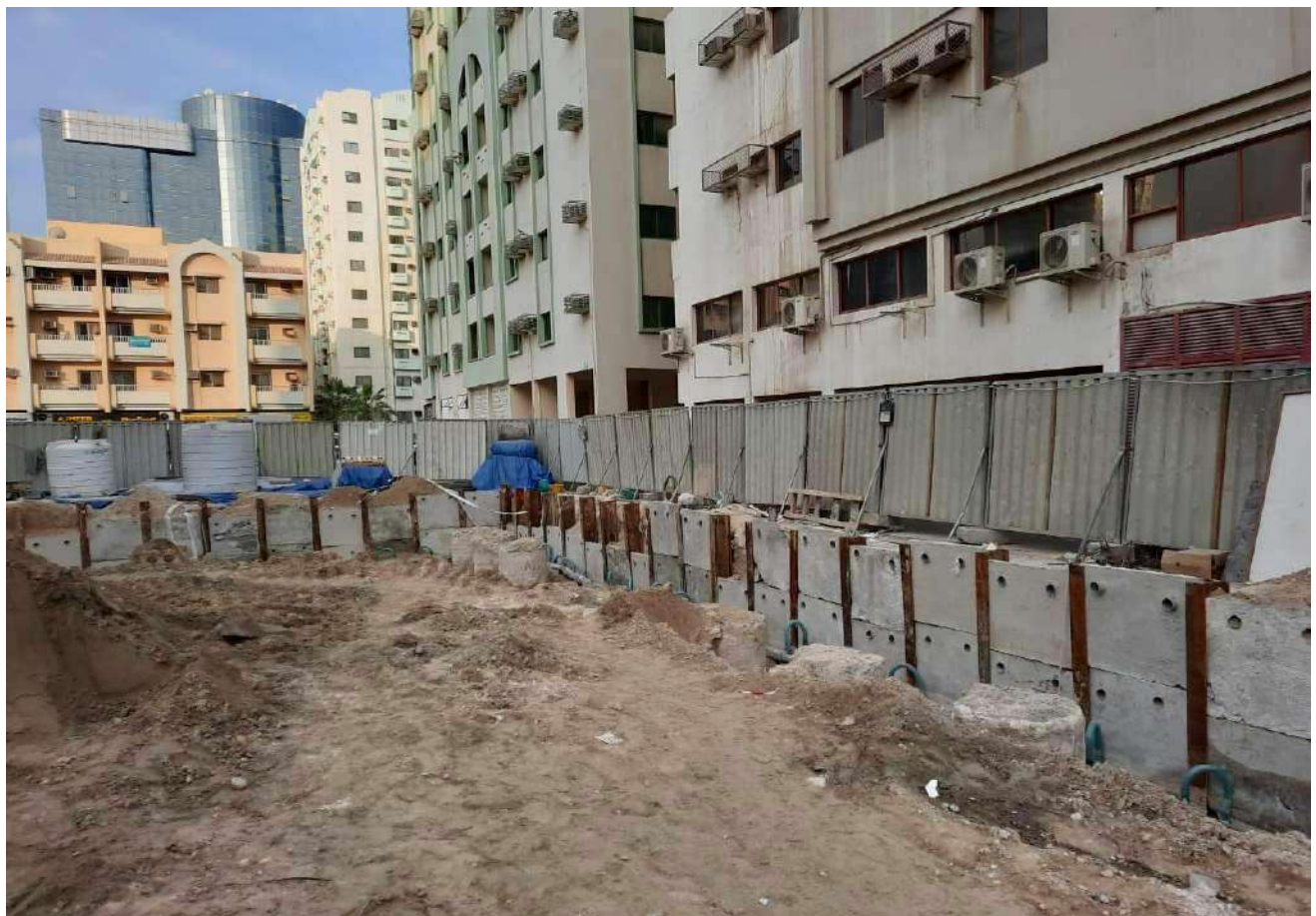




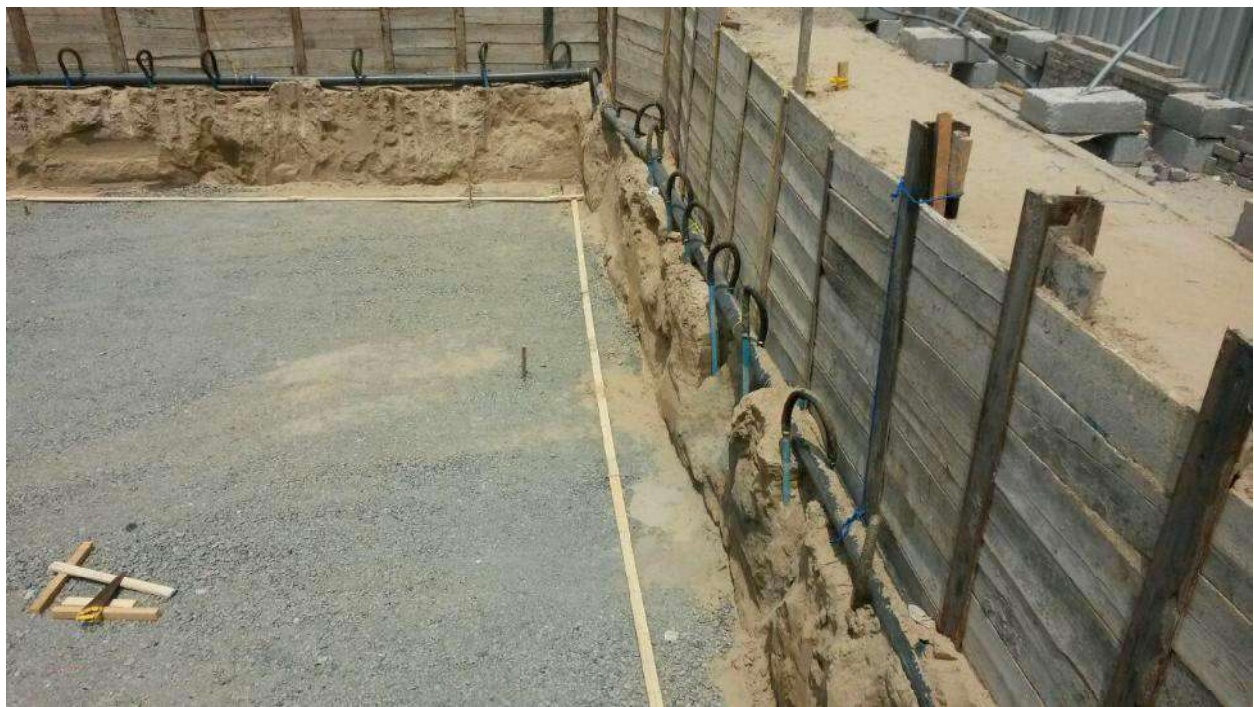






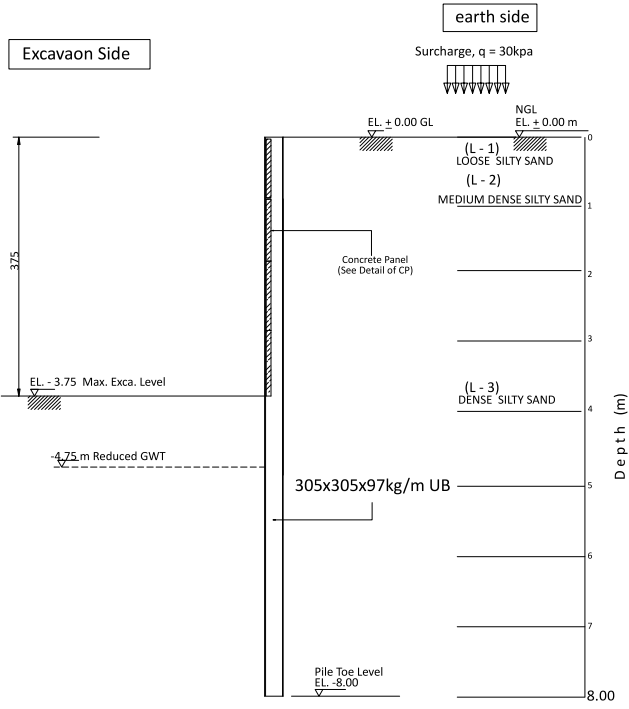






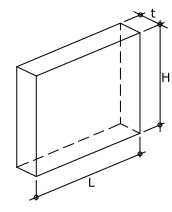
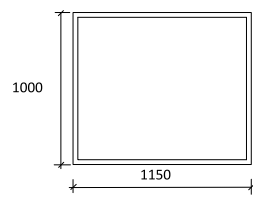
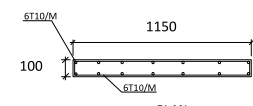






SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	QTY (nos)	REMARKS
100	300x1150	837	



SECTION PROPERTIES

H-BEAM	L = 8.00m
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

$f_{cu} = 45 \text{ N/SQ.MM}$
 $f_y = 460 \text{ N/SQ.MM}$



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



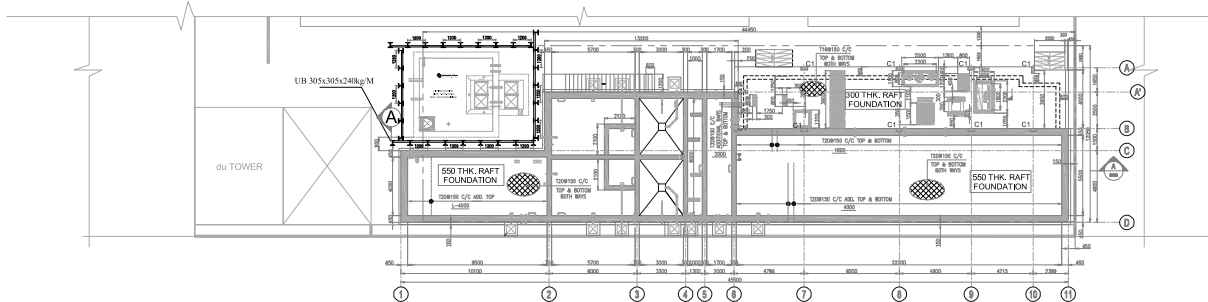
CLIENT
HETI HEDRERES OMRANA, JAWAHER BENT MOHAMMED BIN SULTAN ALKABIR

PROPOSED PROJECT
PROPOSED BUILDING (G + 5 PARKING) ONLY

PLOT LOCATION
SECTOR: AL MAJAZ (2)
PLOT N/631/D-431/F-631/G GOV-H (235 MILIK)

SHEET CONTENT
SHORING SECTION & DETAILS

ARCHITECT	STRUCTURE	M.E.P.
MED YASSINE	ENG.D0AA	XXXX
CHECKED BY	CHECKED BY	CHECKED BY
ARC SAYER	ENG.D0AA	XXXX
DRAWN BY	DRAWN BY	DRAWN BY
MUHAMMAD I.A	XXXX	XXXX
JOB NO : 1091	DRWG, NO : S-09	
DATE	SCALE	REF.NO:
25/01/2021	1:100	2-4(2)
NO.	DATE	REVISIONS



SHORING LAYOUT

SCALE 1:100



APPROVAL



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3. ALL EXTERNAL WALLS TO BE THERMAL BLOCK.



REV	DATE	BY	DESCRIPTION	CHKD
1	20.12.2021	AM	ISSUED FOR CONSTRUCTION	AM

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

CLIENT:



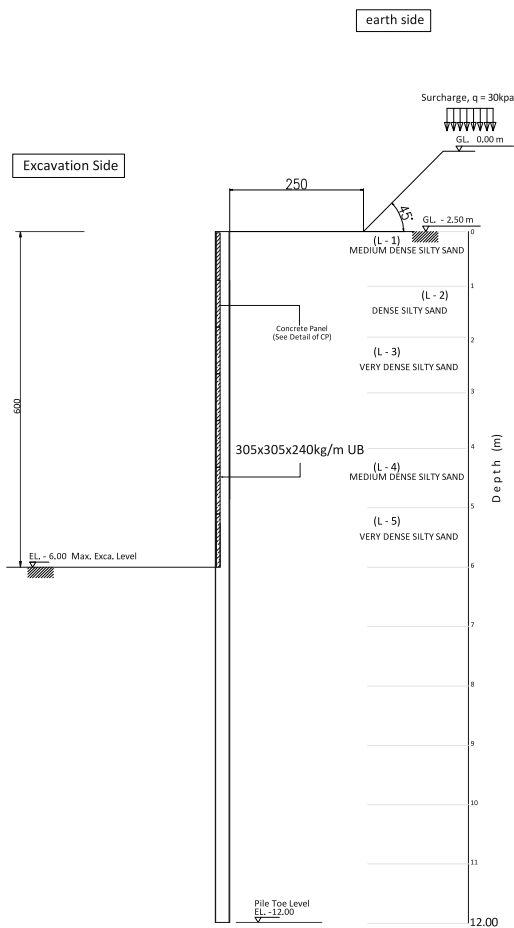
PROJECT:
SOUQ AL HARAJ - PHASE 2A
INFRASTRUCTURE AND BUILDINGS

CONSULTANT:
CHSC Consultant HSS
CONSULTANTS HSS
CHSC CONSULTANTS HSS
P.O. BOX 10000
DUBAI, UNITED ARAB EMIRATES
WWW.CHSCCONSULTANTS.HSS
TEL: +971 4 347 2000
FAX: +971 4 347 2001
EMAIL: hss@chsc.ae

DRAWING TITLE:

SHORING LAYOUT

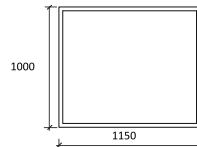
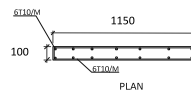
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Drawing Number:				Rev
CHSS-SH90131-P2ASTP-S-600				0



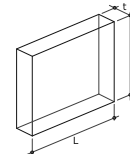
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	QTY (nos)	REMARKS
100	100x1150	837	



DETAIL OF CP



DETAIL OF CP

SECTION PROPERTIES

H-BEAM	L = 12.00m
SECTION	305x305x240kg/m
MASS (kg/m)	240
DEPTH (mm)	355.5
WIDTH (mm)	318.4
FLANGE (mm)	37.7
WEB (mm)	23
MODULUS, Z_x	3643
PLASTIC (cm ³)	



APPROVAL



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- ALL EXTERNAL WALLS TO BE THERMAL BLOCK.



REV	DATE	BY	DESCRIPTION	CHK	APP
1	22/12/2021	AM	ISSUED FOR CONSTRUCTION		

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

CLIENT:

Sharjah Asset Management

PROJECT:
SOUQ AL HARAJ - PHASE 2A
INFRASTRUCTURE AND BUILDINGS

CONSULTANT:

CHSC CONSULTANT HSS
CONSULTANT HSS
DUBAI LIMITED AREA ENGINEERS
P.O. BOX 10000
TEL: 04 347 2000
FAX: 04 347 2001
EMAIL: info@chsc.ae

DRAWING TITLE:
SHORING SECTION

Original Scale	Draw Date	Checked Date	Authored Date	Rev
N.T.S	02/12/2021	02/12/2021	02/12/2021	A1
Drawing Number:				Rev
CHSS-SH90131-P2ASTP-S-601				0



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KEY PLAN



SUB CONTRACTOR:

MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

REV. No	DATE	DESCRIPTION	CHECKE
---------	------	-------------	--------

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 CONSULTANTS

P O BOX 78308
DUBAI
UNITED ARAB EMIRATES

TEL: +971 (0) 4 5540100, FAX: +971 (0) 4 43104
Web site : www.atriumuae.com
E-mail : admin@atriumuae.com

DRAWING NAME-

SHORING LAYOUT

AUTHORIZED BY		DATE	DATE FEB-20
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

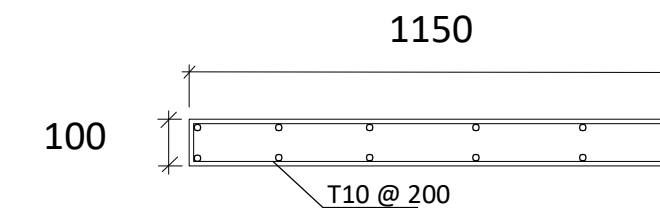
(L - 5)
DENSE SILTY SAND

Pile Toe Level
EL. -08.00

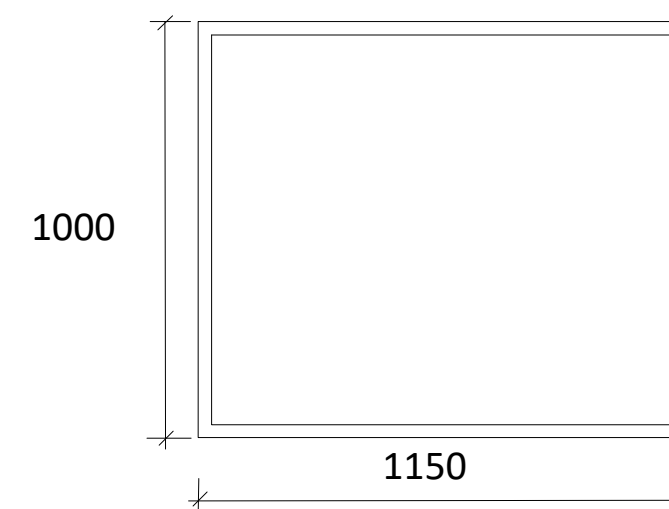
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		

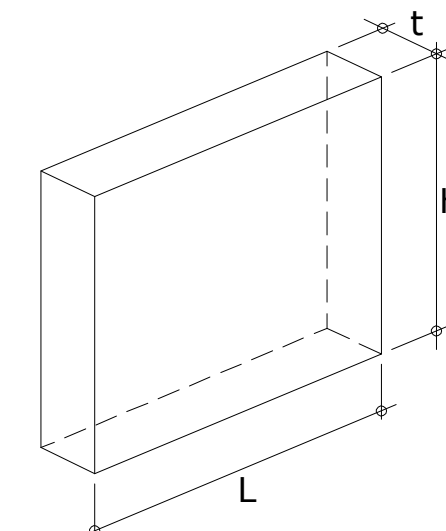


PLAN



ELEVATION

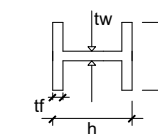
DETAIL OF CP



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.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

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:



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.

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 AN MINIMUM 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)

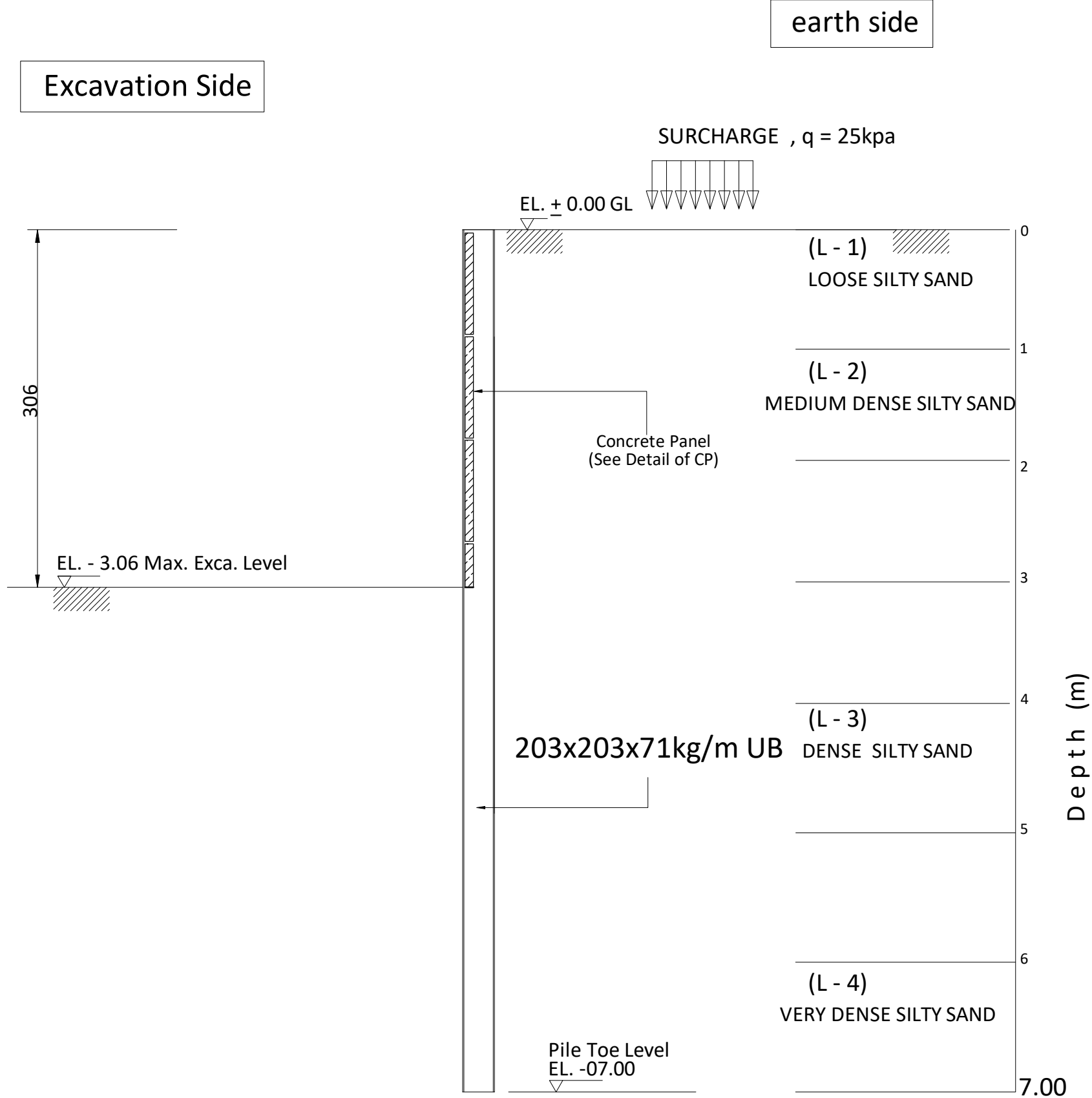
PROJECT LOCATION:
HOSHI

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	

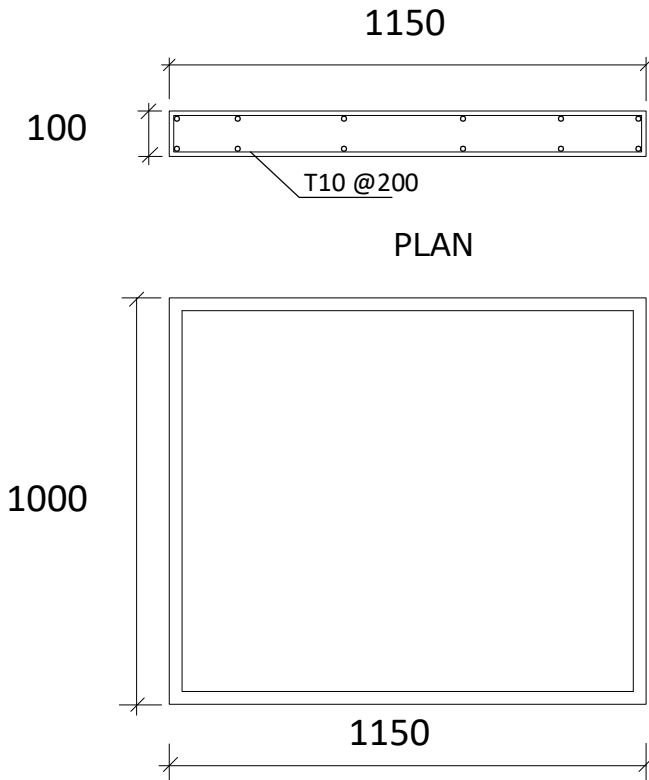




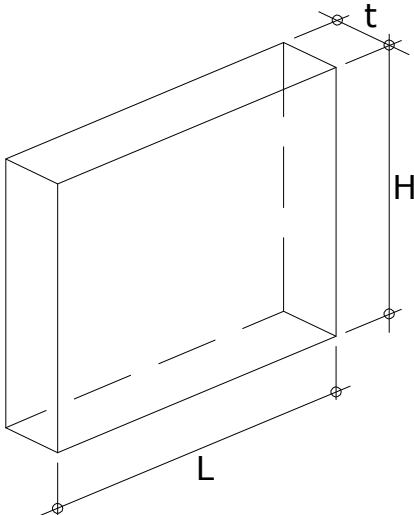
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		

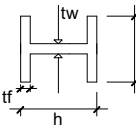


DETAIL OF CP



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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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)

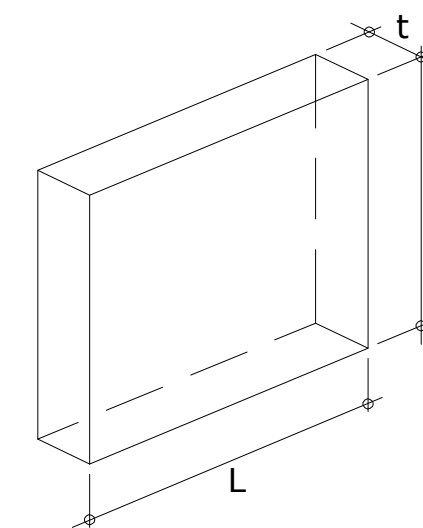
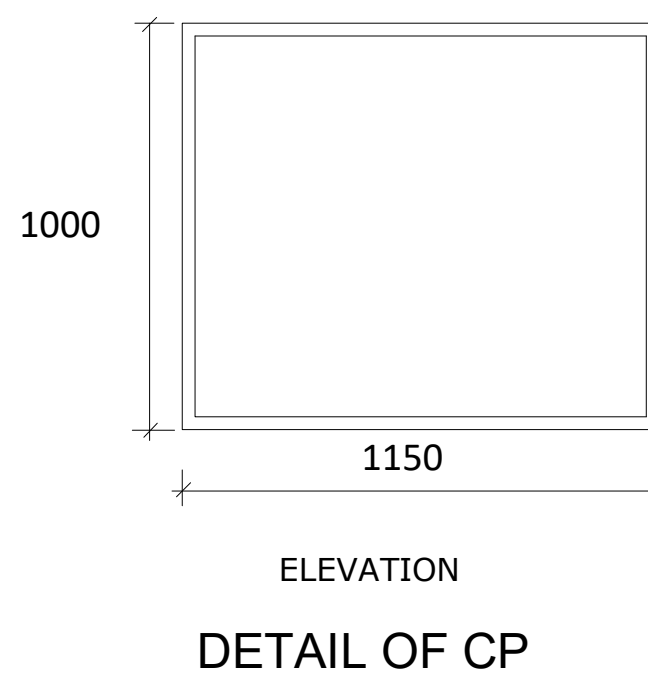
DENSE SILTY SAND

203x203x71kg/m UB

Pile Toe Level
EL. -06.00

EL. -06.00

THK(mm)	SECTION			REMARKS
100	1000x1150			



DETAIL OF CP

H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71 kg/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	

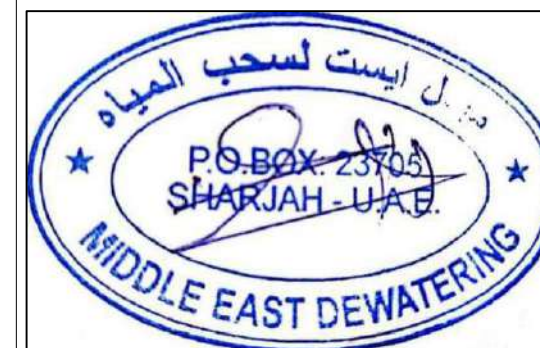
شارقة للاستشارات الهندسية ذ م م
SHARJAH ENG. CONSULTANTS L.L.C
مخططات هندسية

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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

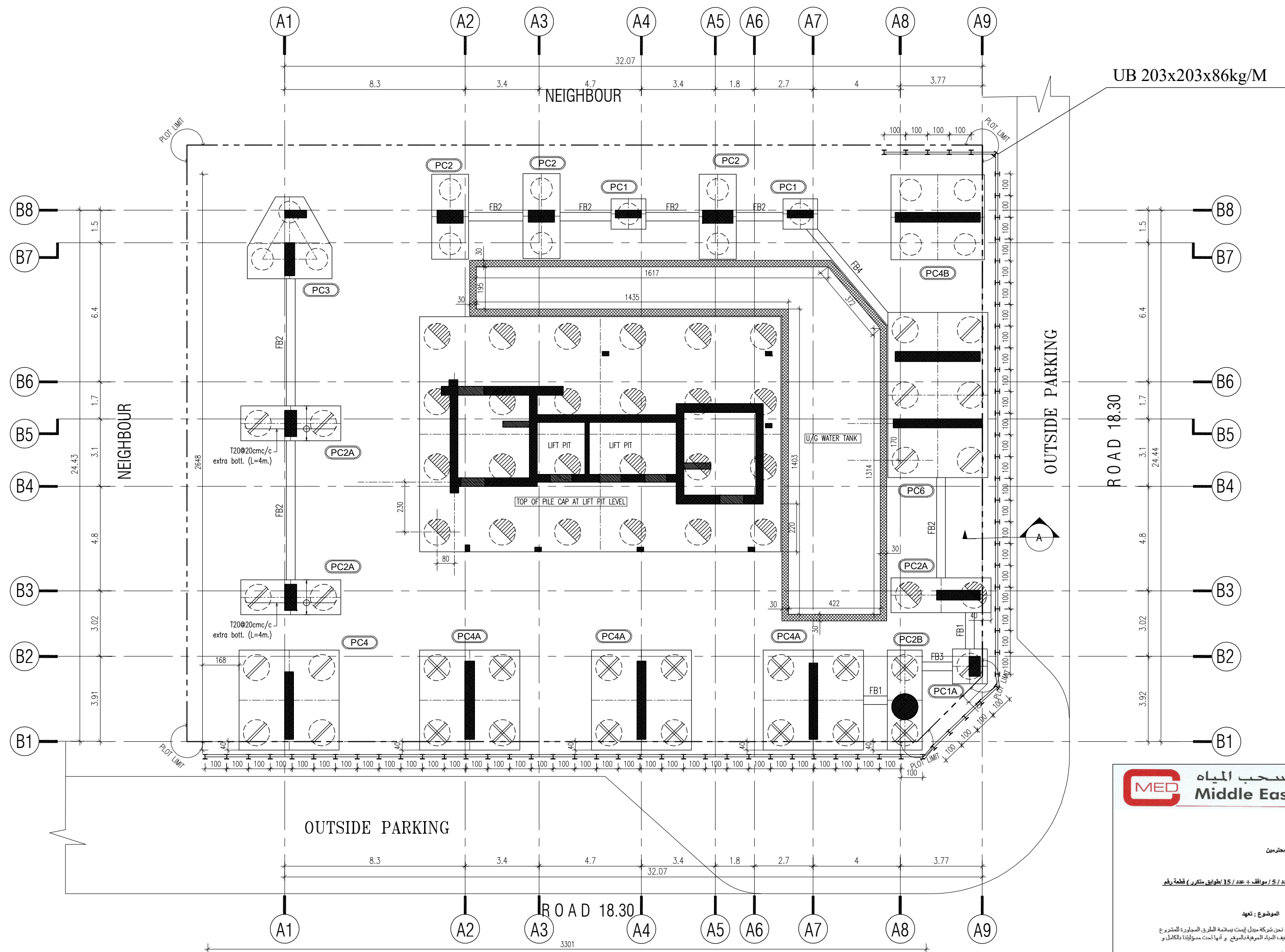
GOV. NO.: 197 MULK

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	



SHORING LAYOUT

UB 203x203x86kg/M

OUTSIDE PARKING
ROAD 18.30

ميدل إيست لسحب المياه
Middle East Dewatering

التاريخ : 2023/03/14
المحترمين : البلدية / بلدية الشارقة
تحت طيبة و بعد
المشروع : إنشاء تجارية (أرض) عدد : 5 / موقوف : 5 / عدد : 15 / طابقين متكرر / قطعة رقم : 877 - المجلد : 3 - الشارقة

الموضوع : تعهيد
والإشارة إلى المشروع أعلاه ، تمهيداً لخدمة ميدل إيست لسحب المياه بالقرى المحاذية للمشروع
تقديمه أعمالاً بناءً على مبادئ العمل والتعهد بالقيام بالخدمة المطلوبة ، وفيما تحت مسؤوليتنا الكامل ،
إستخدام بيزنسمان لمراعاة القوانين

ميدل إيست لسحب المياه

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



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 :		
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

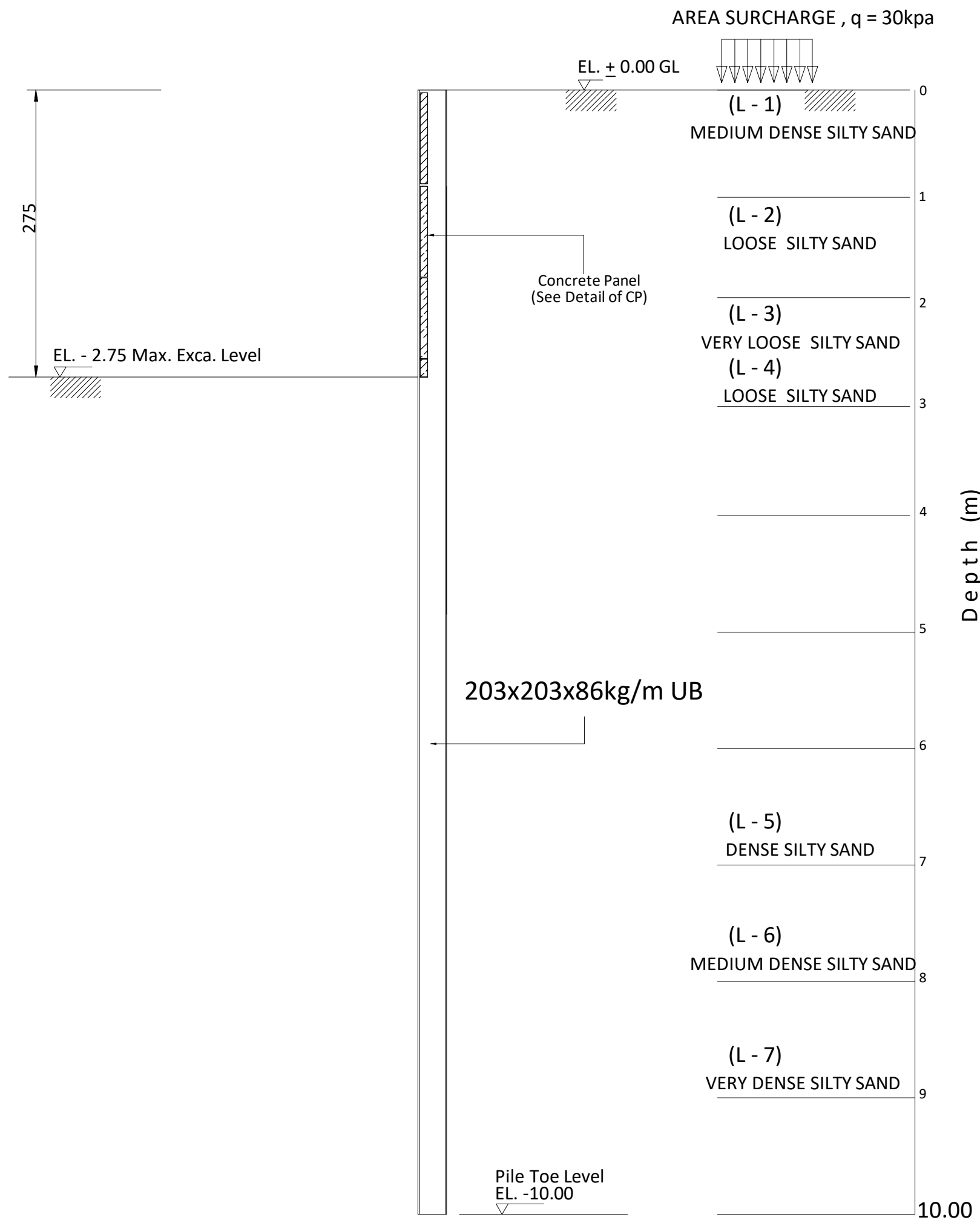
ENG. ADNAN SAFFARINI
DESIGN, SUPERVISION, & CONSULT
HEAD OFFICE : POST BOX - 4000 DUBAI - 04-2222002
ABU DHABI: 02-6260501 SHJ: 06-5733100 ALAIN: 03-7668970

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

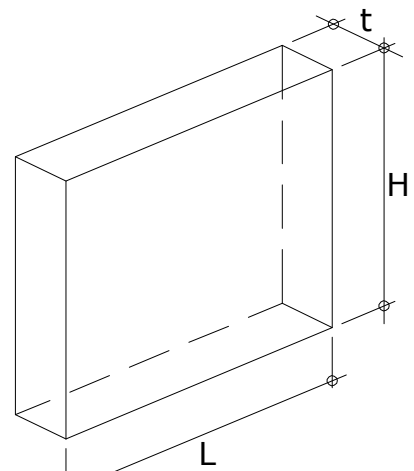
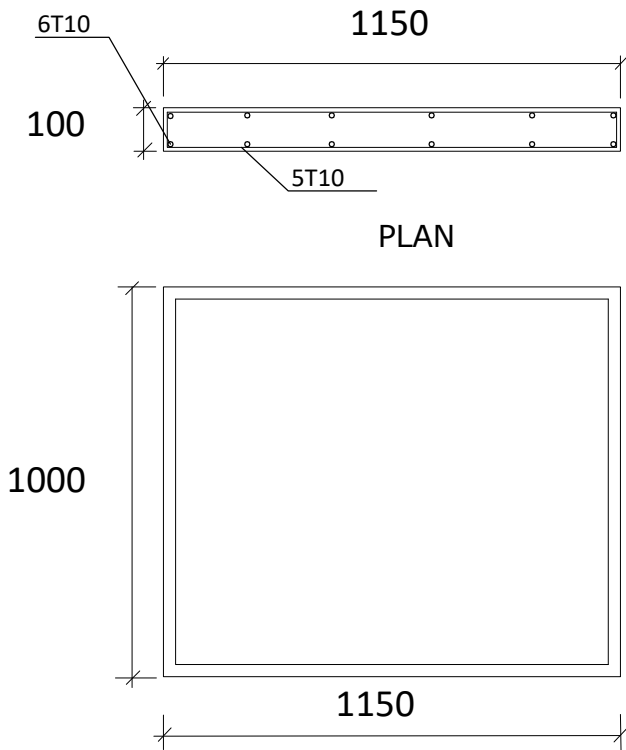
Excavation Side

earth side



SCHEDULE OF CONCRETE PANEL

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

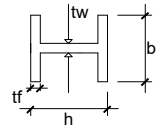


ISOMETRIC

DETAIL OF CP

DETAIL OF CP

SECTION PROPERTIES



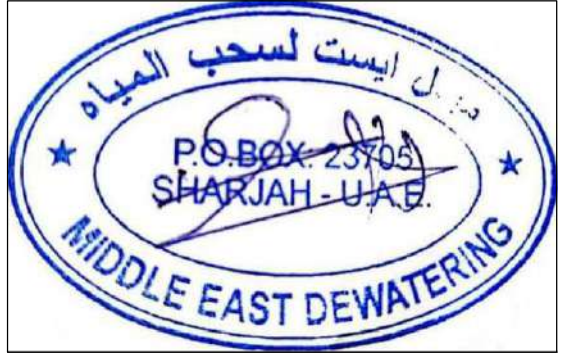
H-BEAM	L = 10.00m	Fy = 275 N/mm ²
SECTION	203x203x86kg/M	
MASS (kg/m)	86.1	
DEPTH,h (mm)	222.2	
WIDTH,b (mm)	209.1	
FLANGE,tf (mm)	20.5	
WEB,tw (mm)	12.7	
MODULUS, Zx PLASTIC (cm ³)	850	

SECTION A - A



GENERAL NOTE

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ENG. ADNAN SAFFARINI OFFICE P.O.BOX: 4000, DUBAI, U.A.E
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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

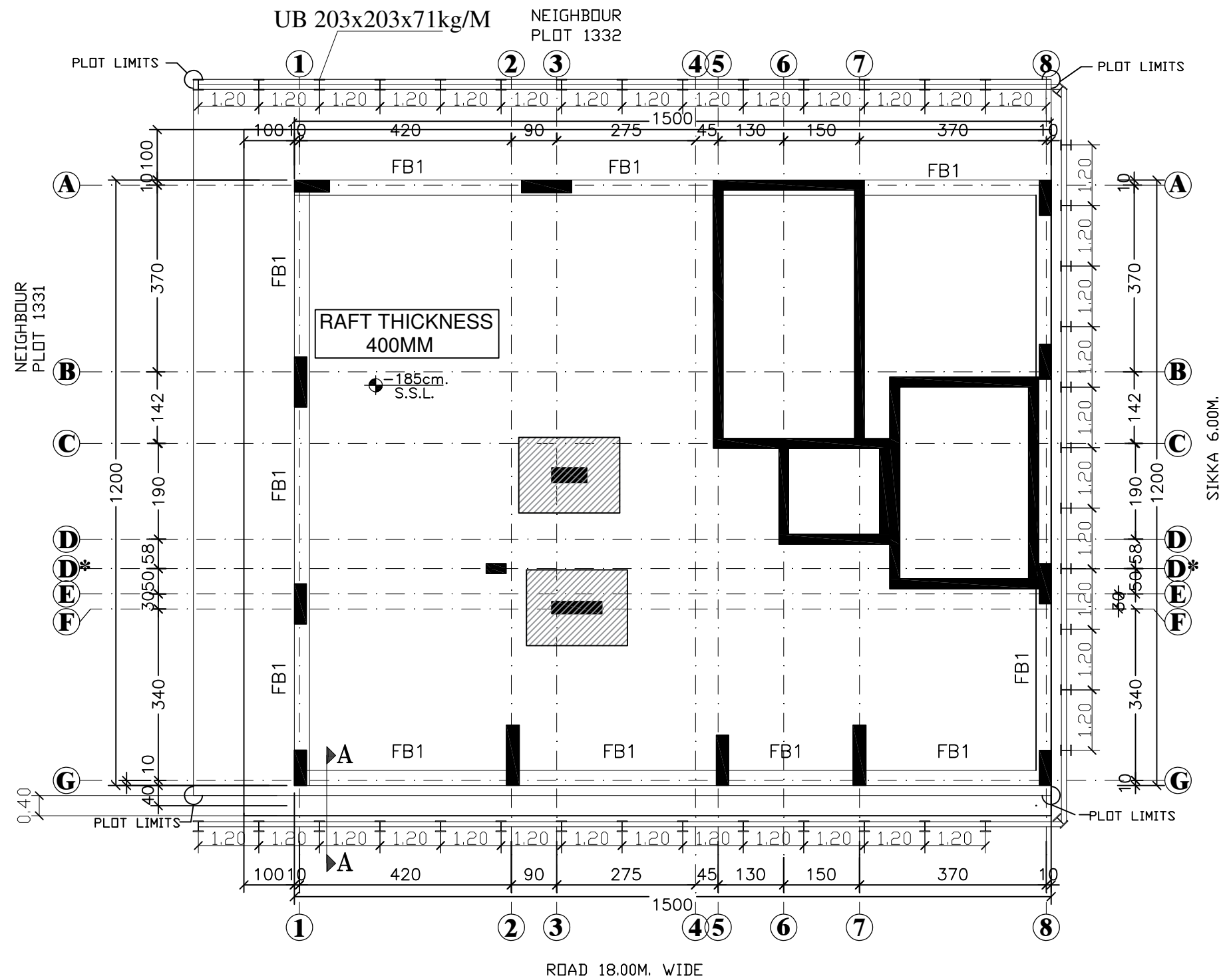
ENG. ADNAN SAFFARINI

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	

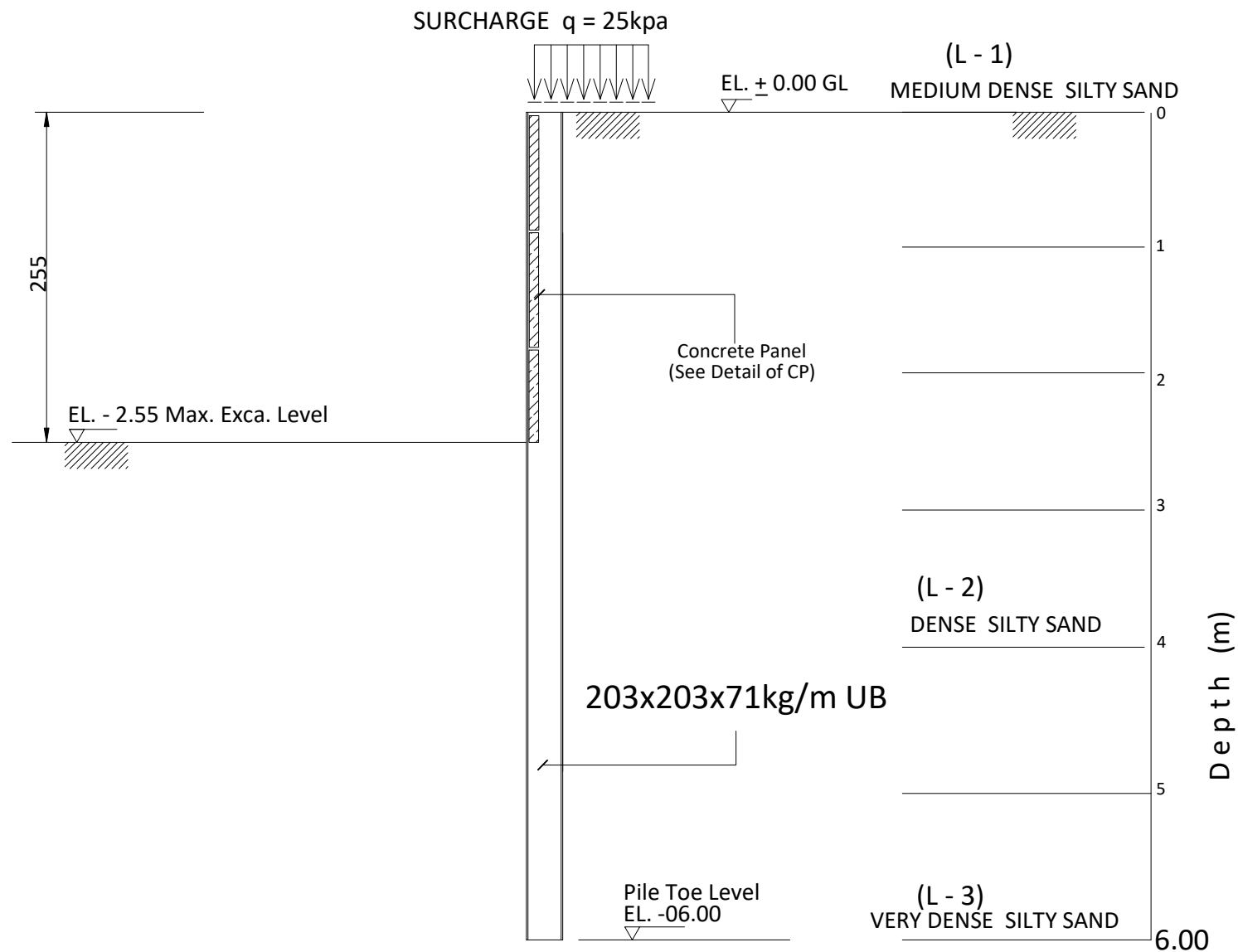
SHEET	EMIRATES	CITY	LOCATION	PLOT NO.
A2	SHARJAH	AL MAJAZ	AL MAJAZ /3	877

SCALE :		PROJECT NO.
1: 100		601



SHORING LAYOUT

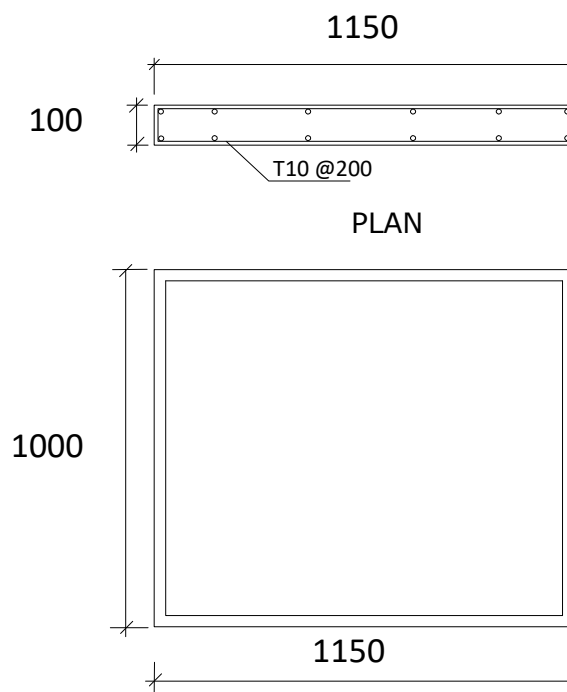
Excavation Side



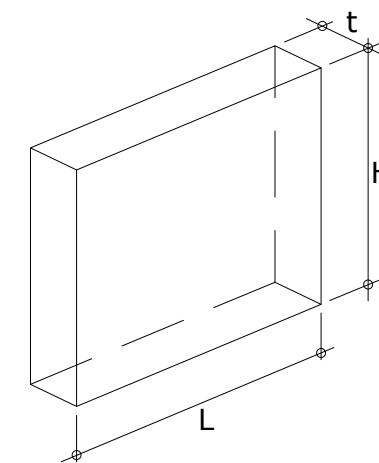
SECTION A - A

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,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

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 ديموليشن و البناء و التأسيس و الطرق المجاورة للمشروع نتيجة أعمال سند جوارب الحفر و تصميمها و أنها تحت مسؤوليتنا بالكامل .



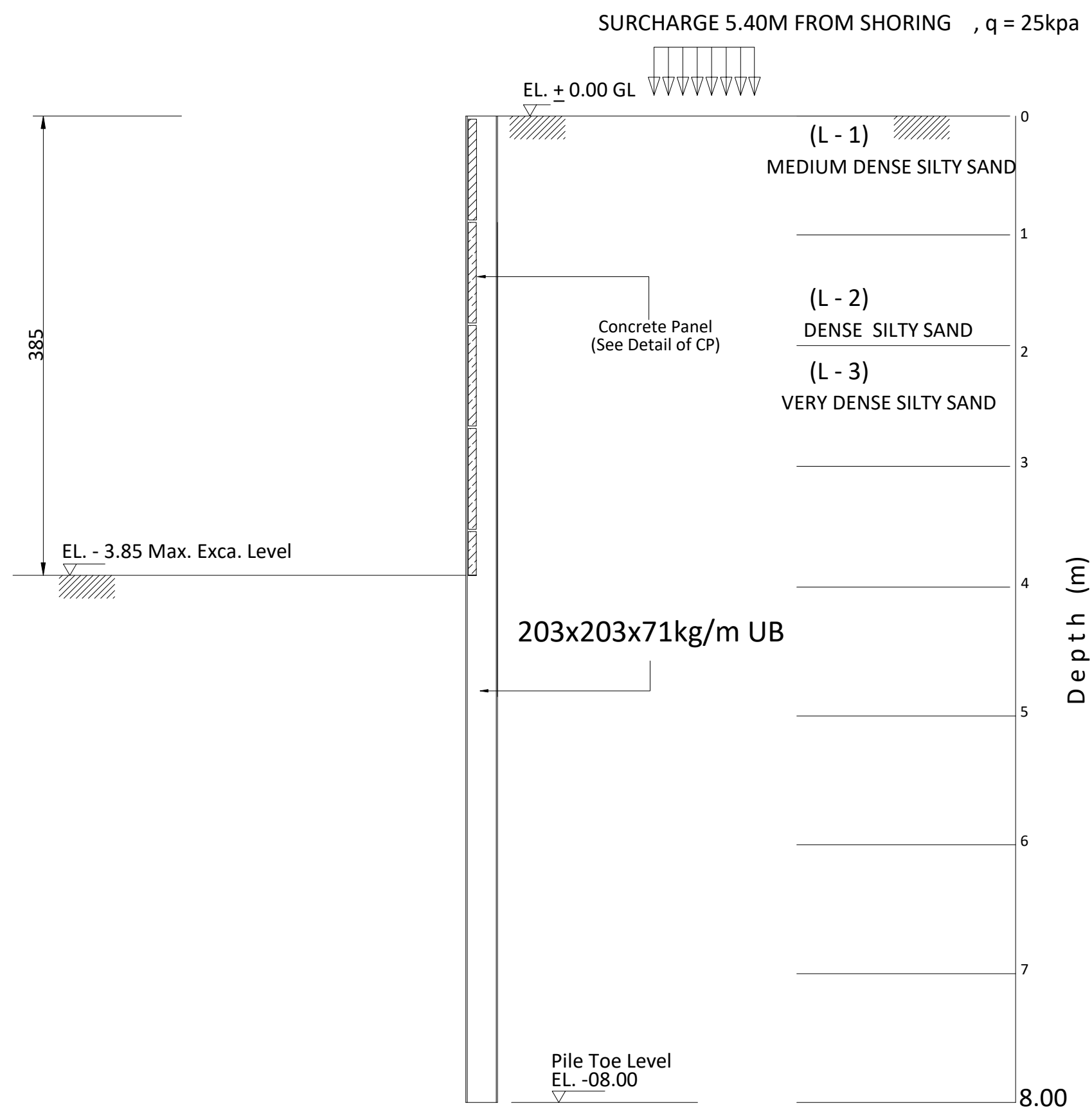


Project NUMBER: 4101		DRAWING NUMBER: S-07	
DATE 20/07/2023		SCALE 100	REF. NO.
NO.	DATE	REVISIONS	



Excavation Side

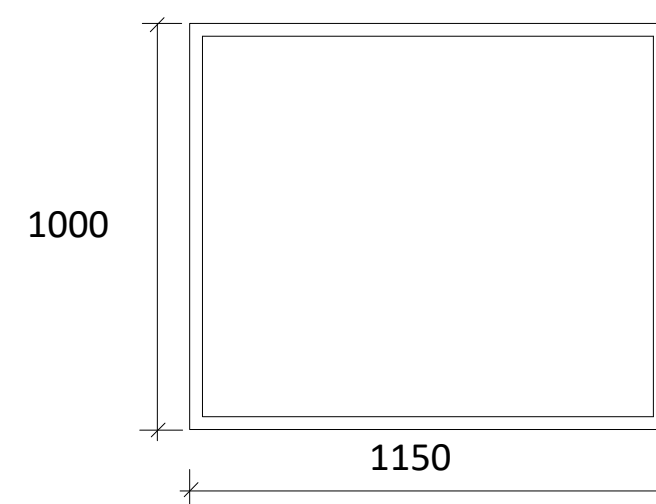
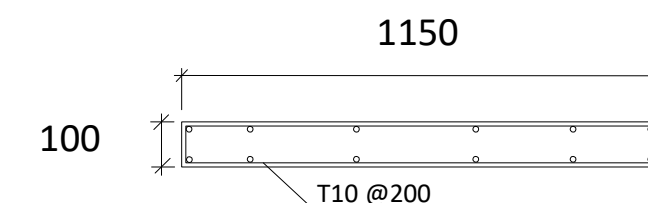
earth side



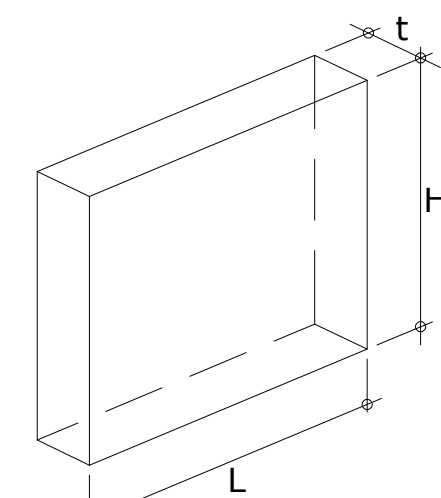
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			

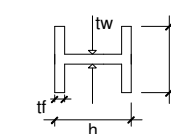


DETAIL OF CP



ISOMETRIC
DETAIL OF CP

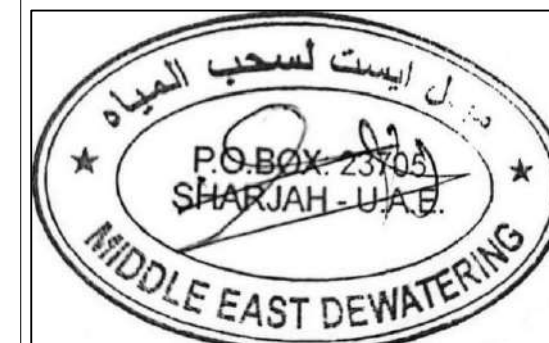
SECTION PROPERTIES



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	



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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.**

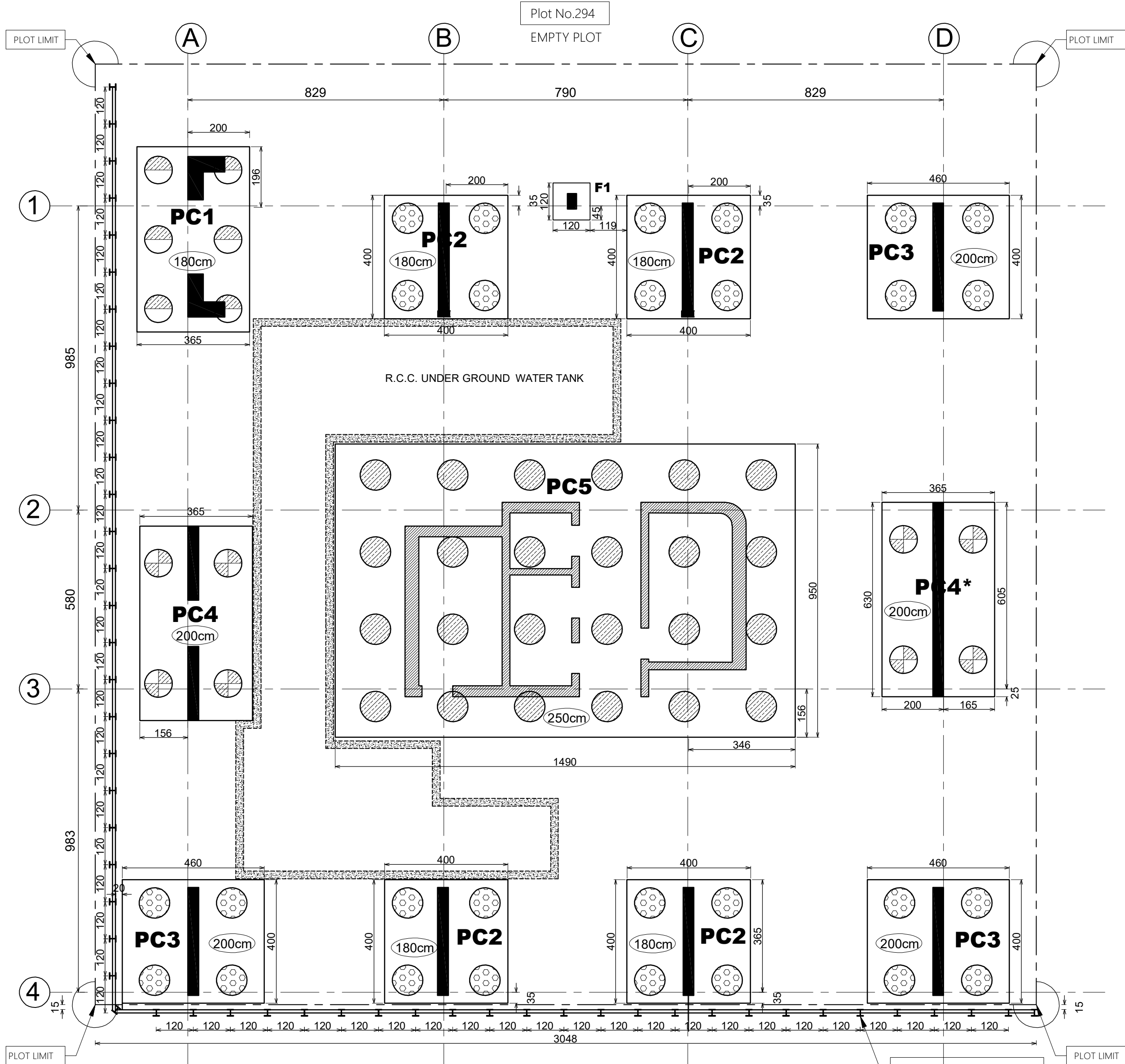
PROPOSED PROJECT:
**PROPOSED BUILDING
(G+4+50%)**

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

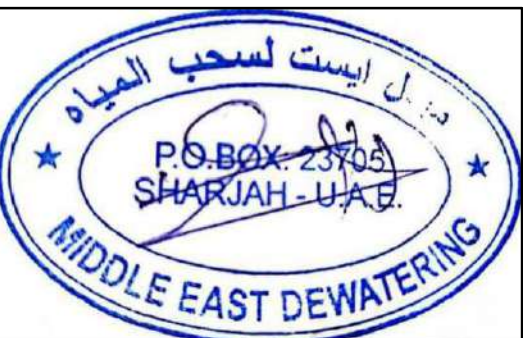


SHORING LAYOUT

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

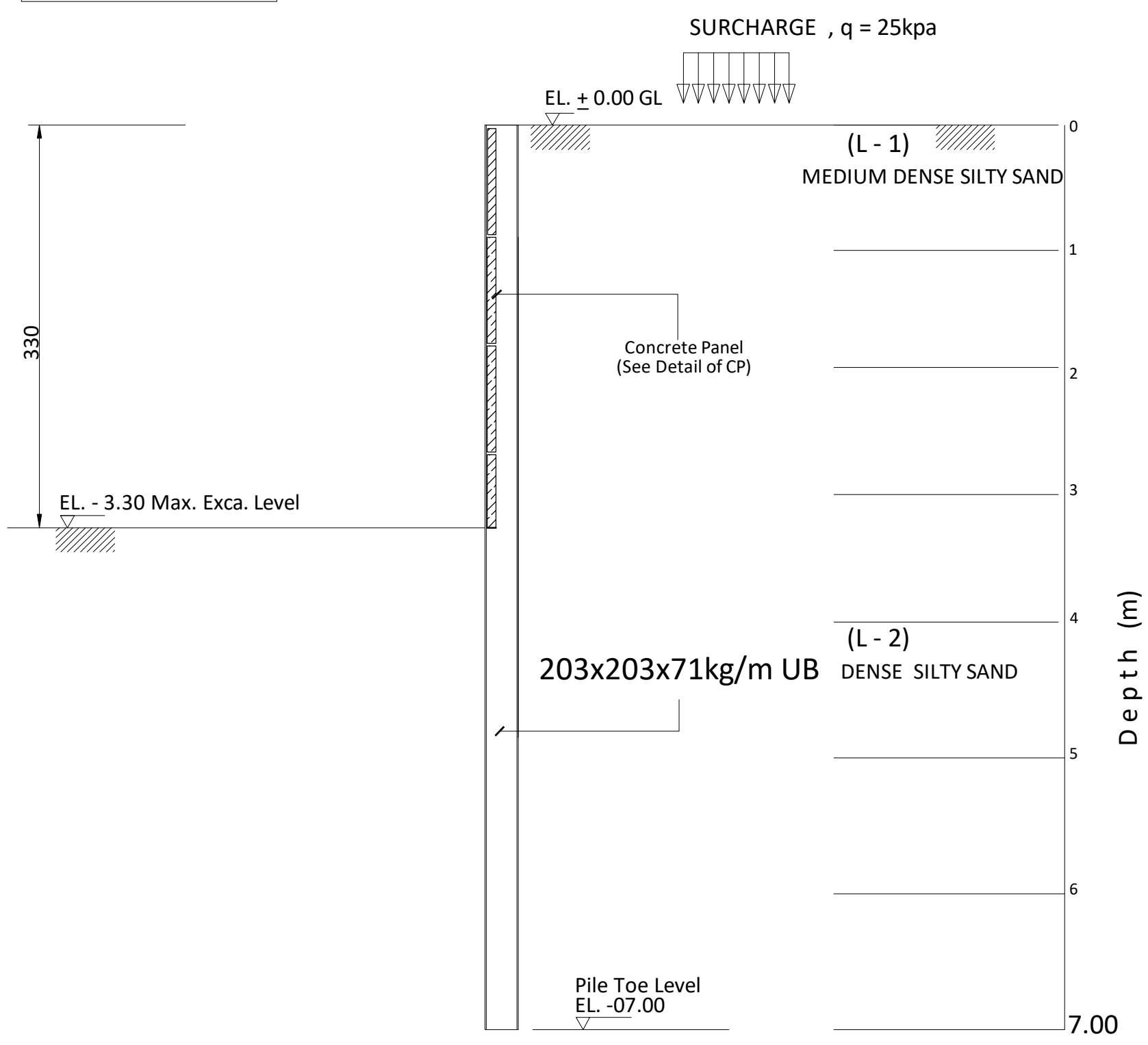
SHEET CONTENT
SHORING LAYOUT

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	MUN.DRAW BY: ENG.
ELECTRICAL DESIGN BY: ENG.	DRAW BY: ENG.	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	

Excavation Side

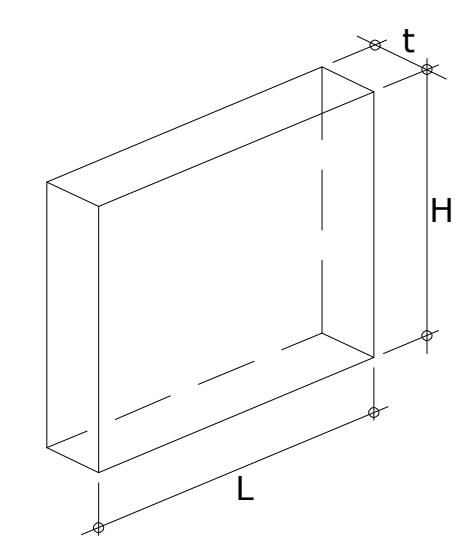
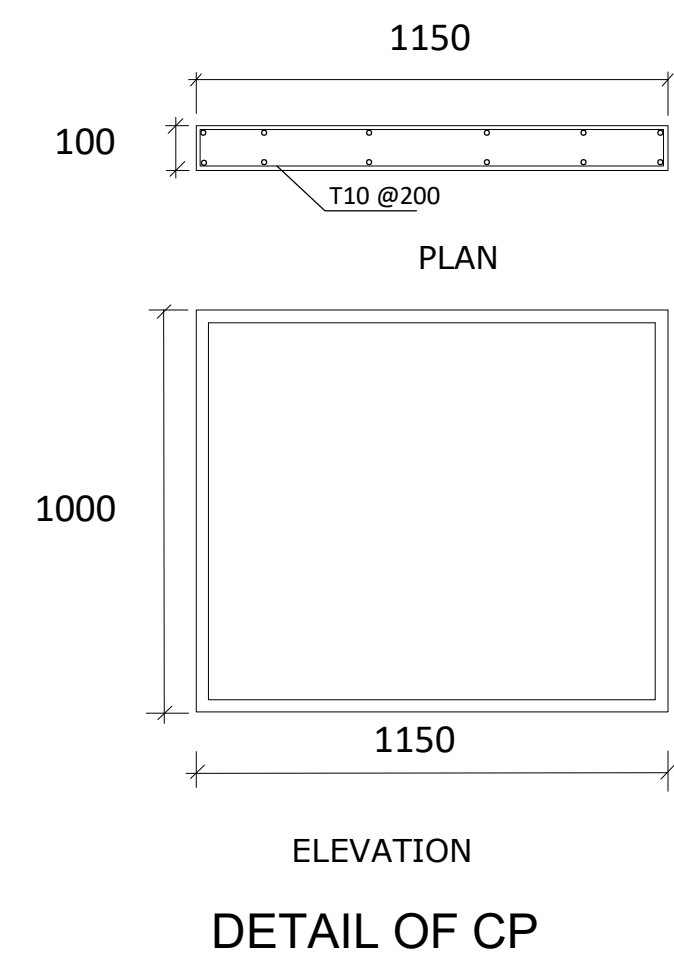
earth side



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,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.
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.

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

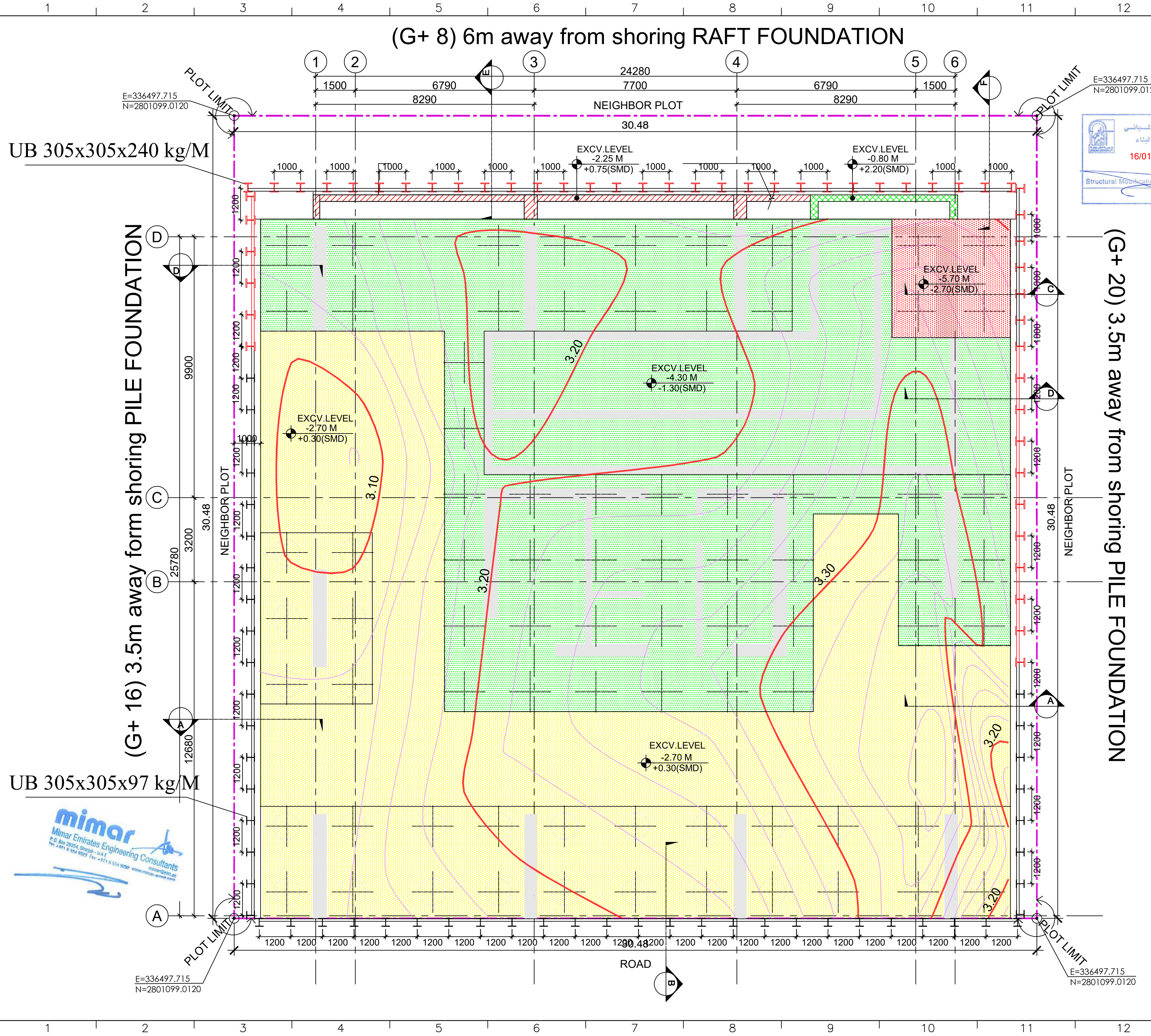
PROPOSED PROJECT
PROPOSED BUILDING G+5 PARKING
+ 15 TYPICAL+H.C

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	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



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. ±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:



BUILDING NAME:

PROJ NO: 554SHJ21

DRAWING TITLE.

CHKD BY : M.H

SHORING LAYOUT

PM :

PE :

DRAWN BY : M.H

REV. NO:

DRAWING NO.

SCALE: 1:100 @ A2

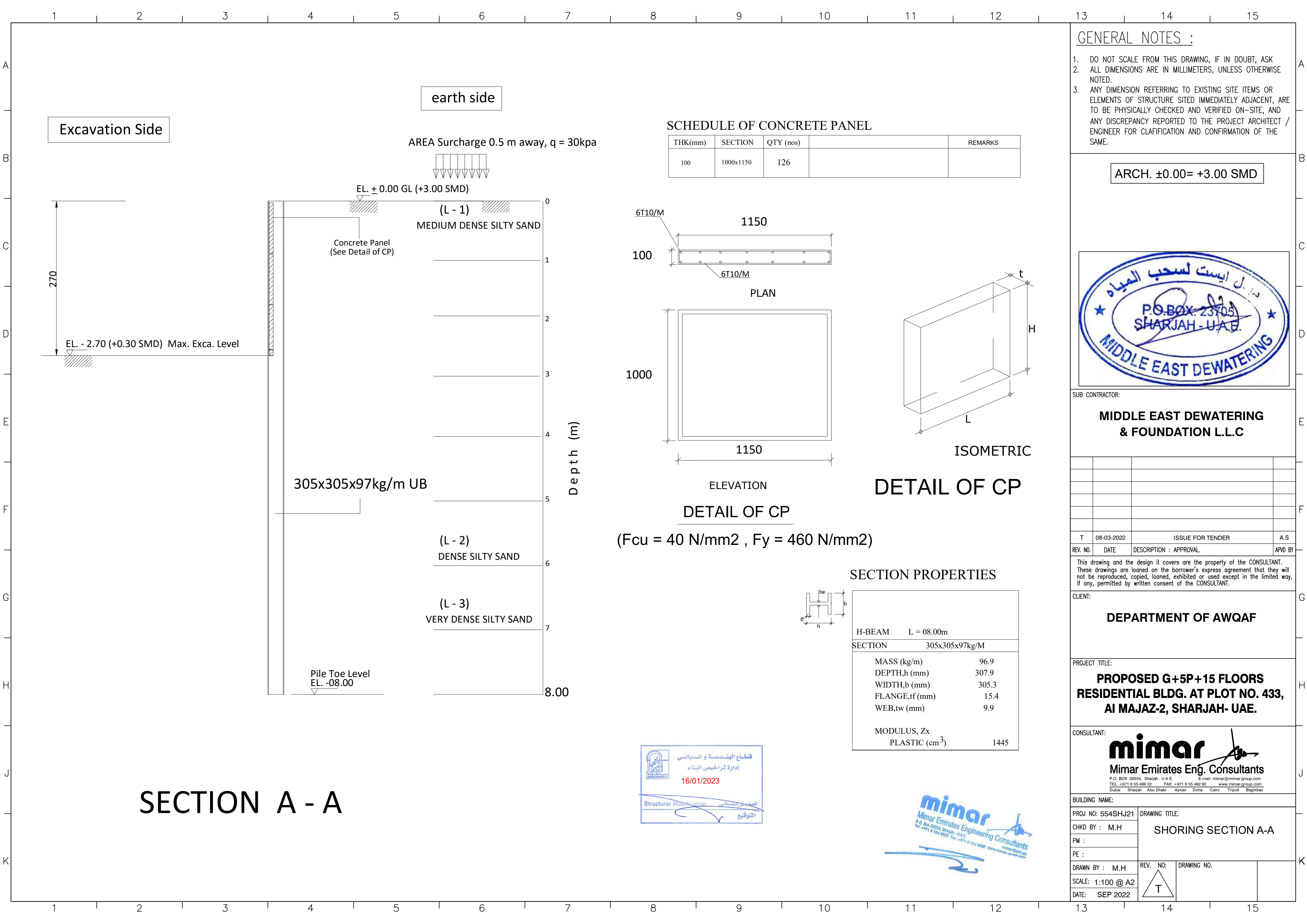
DATE: SEP 2022

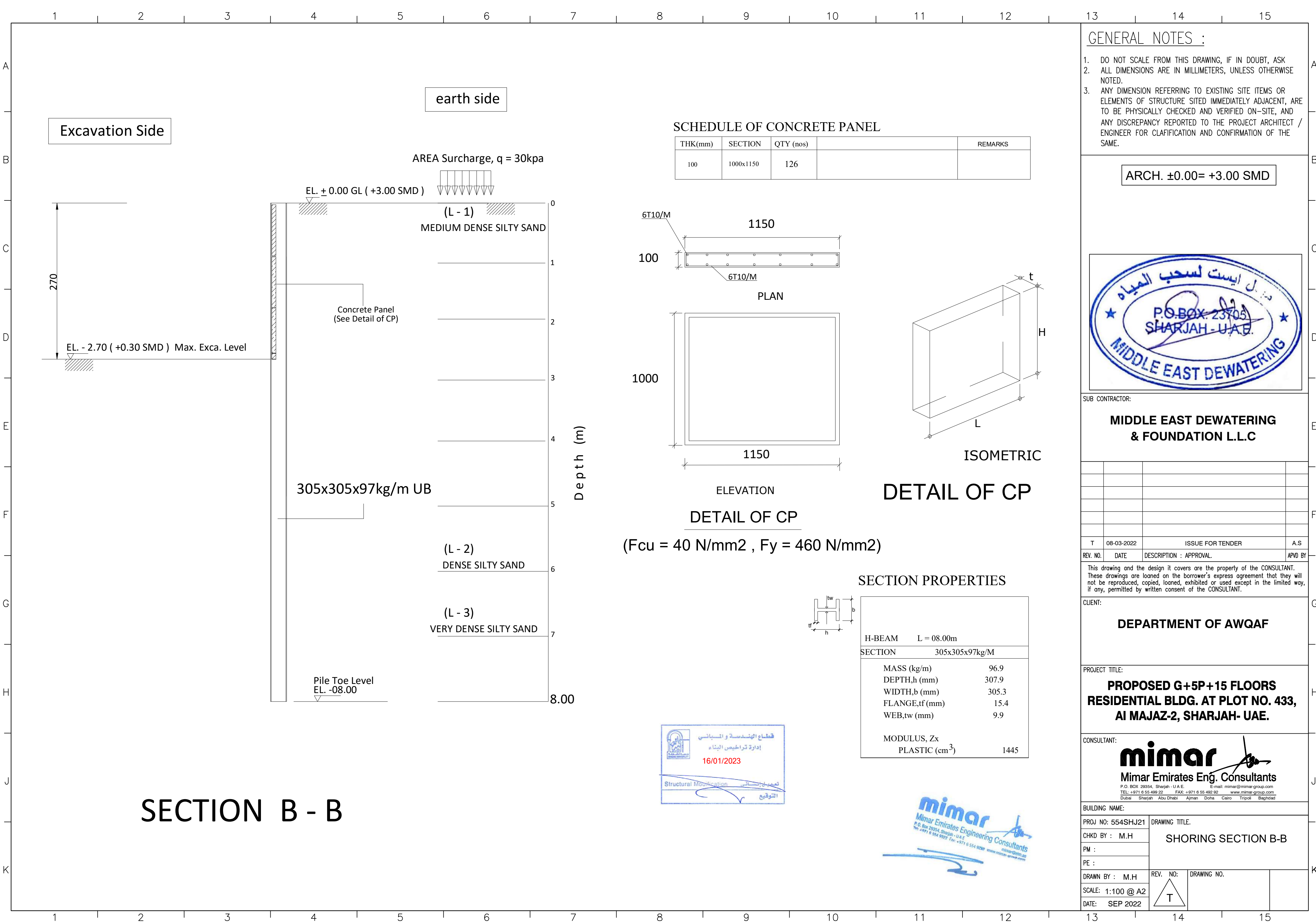


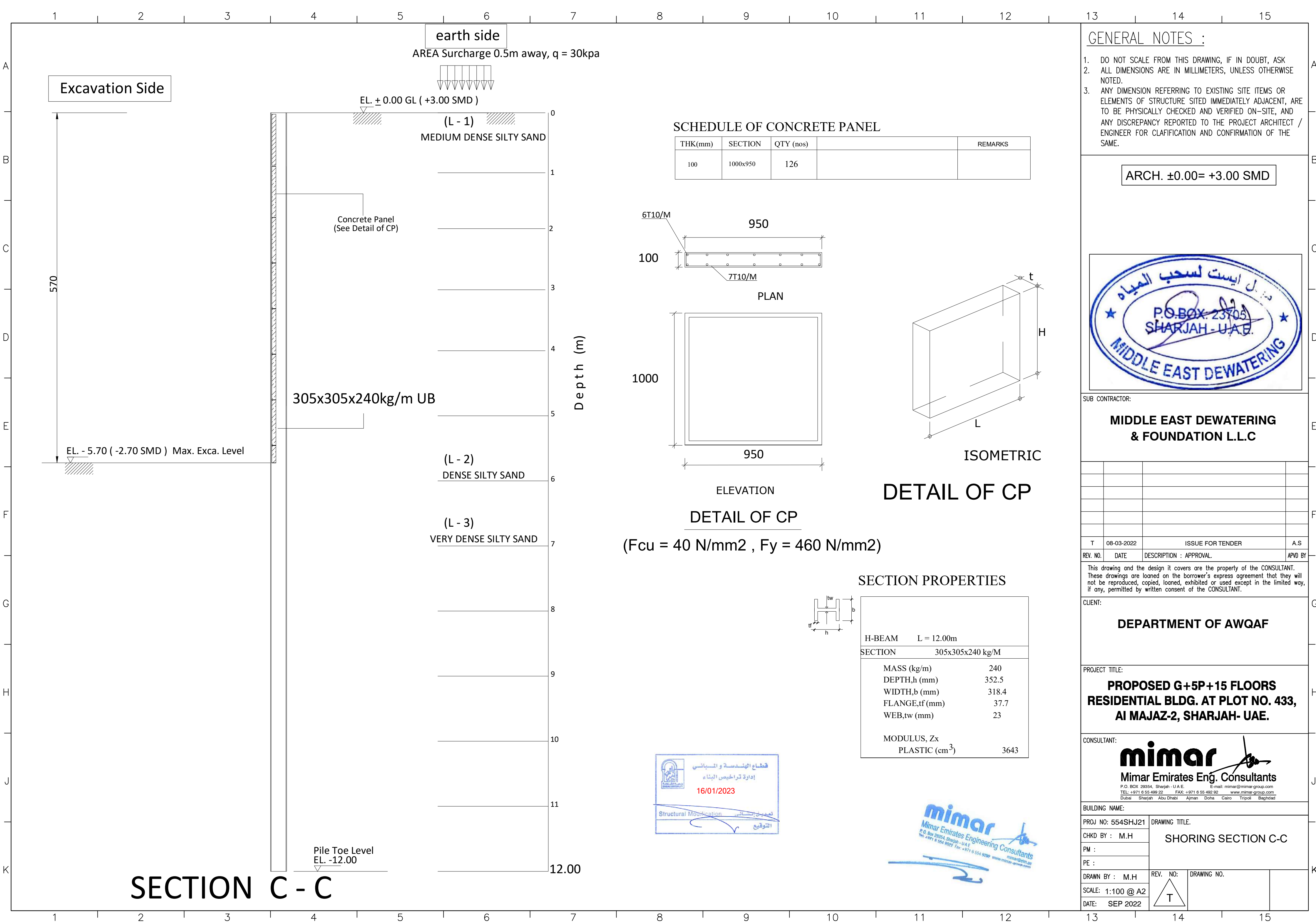
UB 305x305x240 kg/M

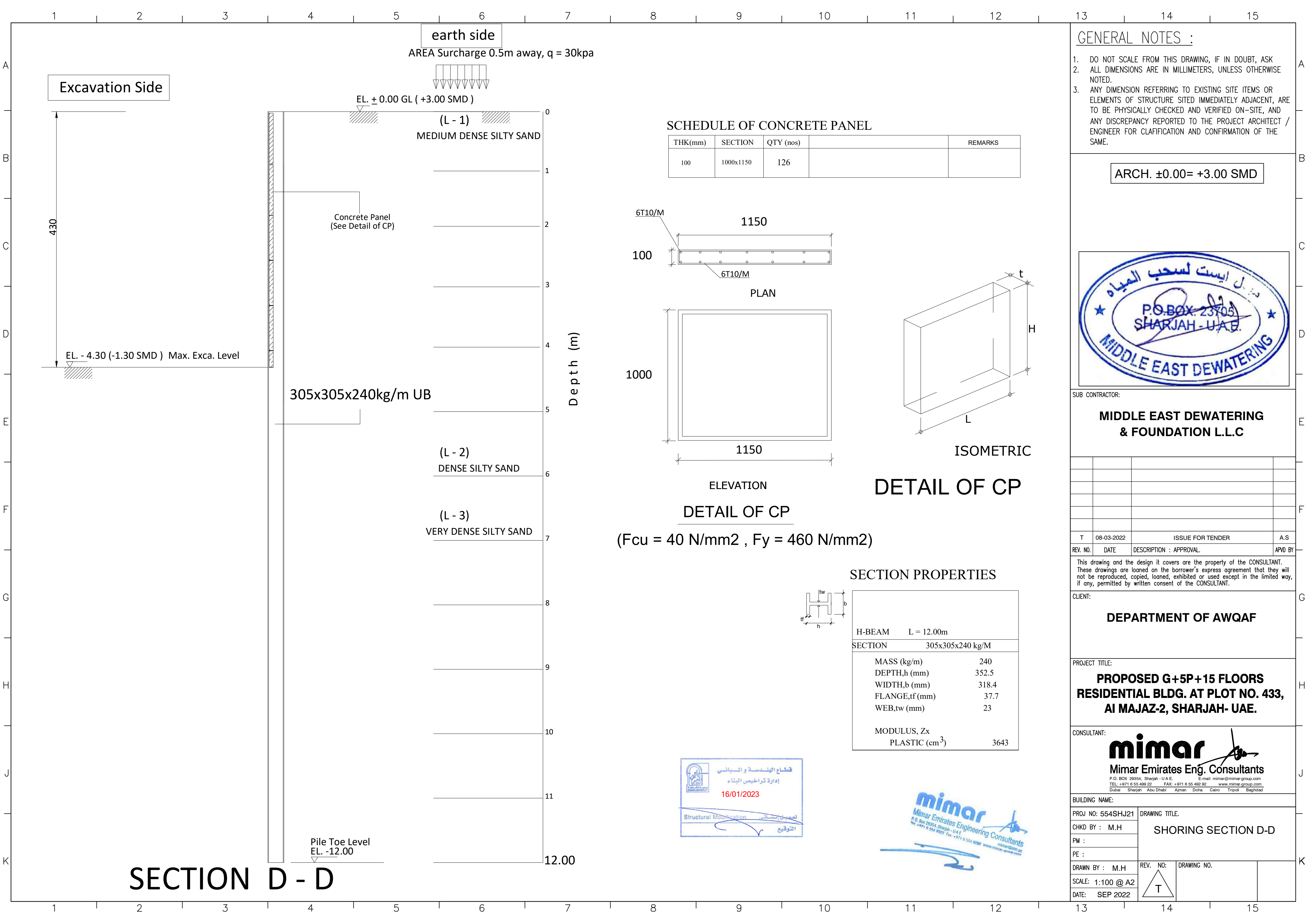
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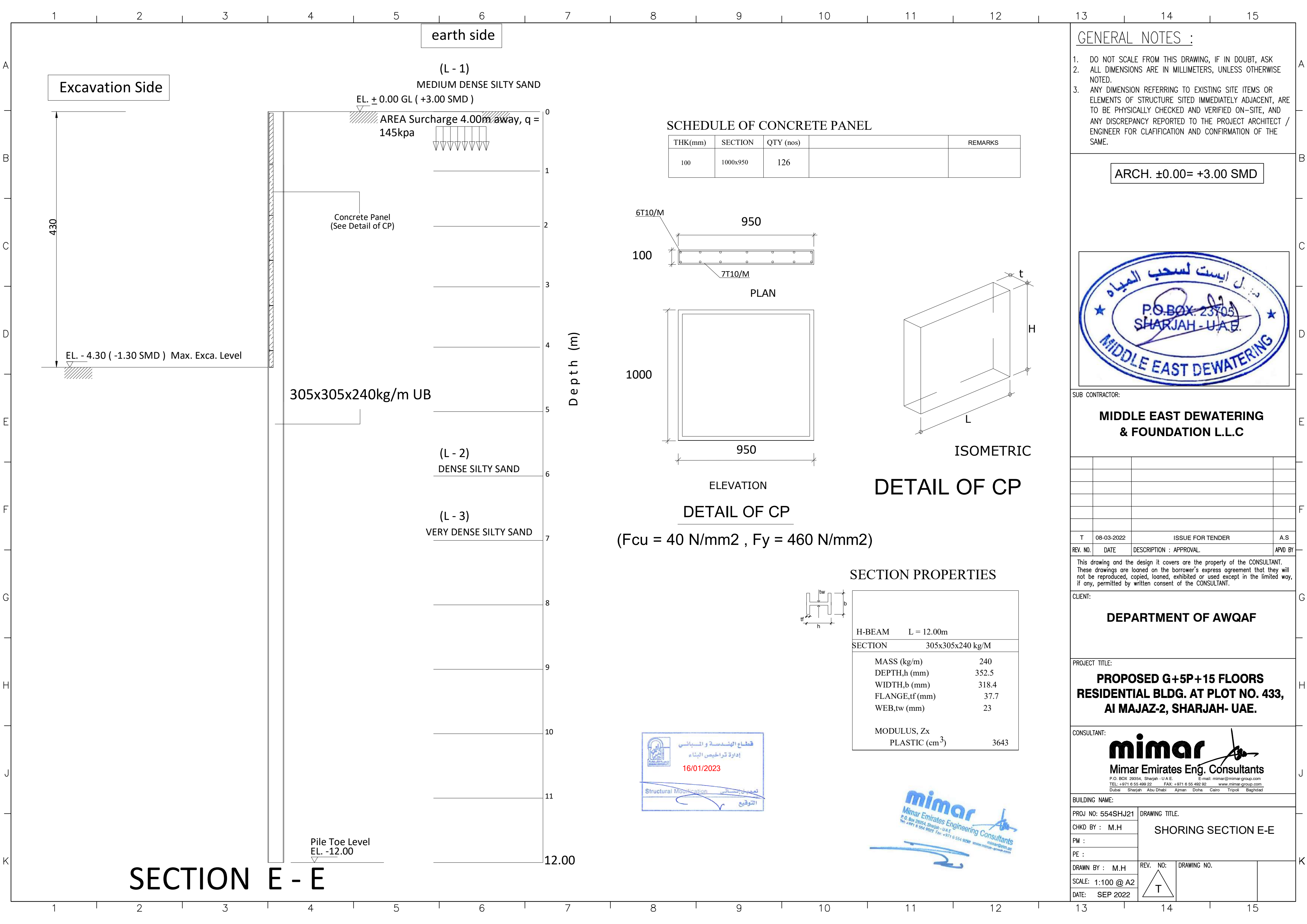




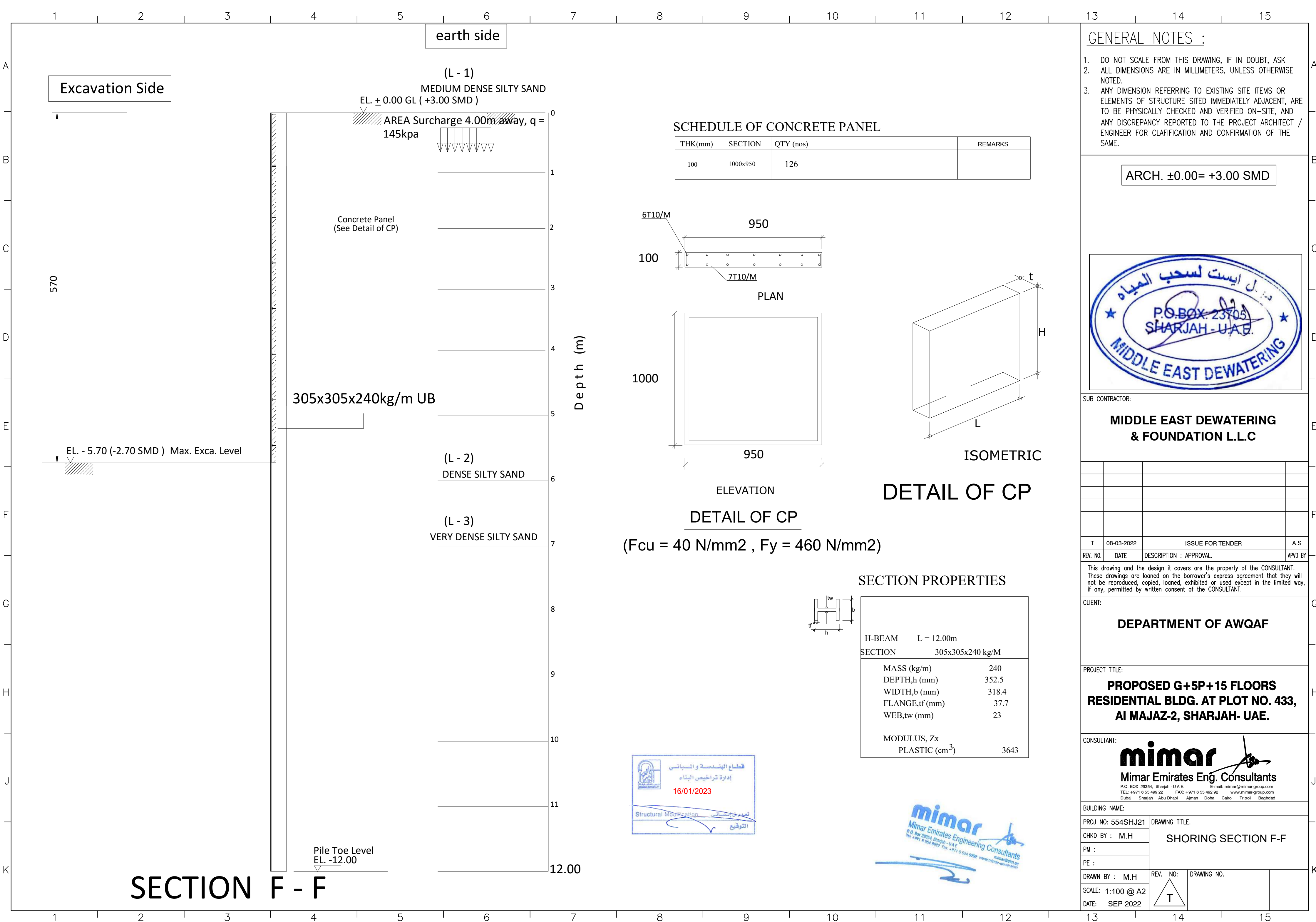


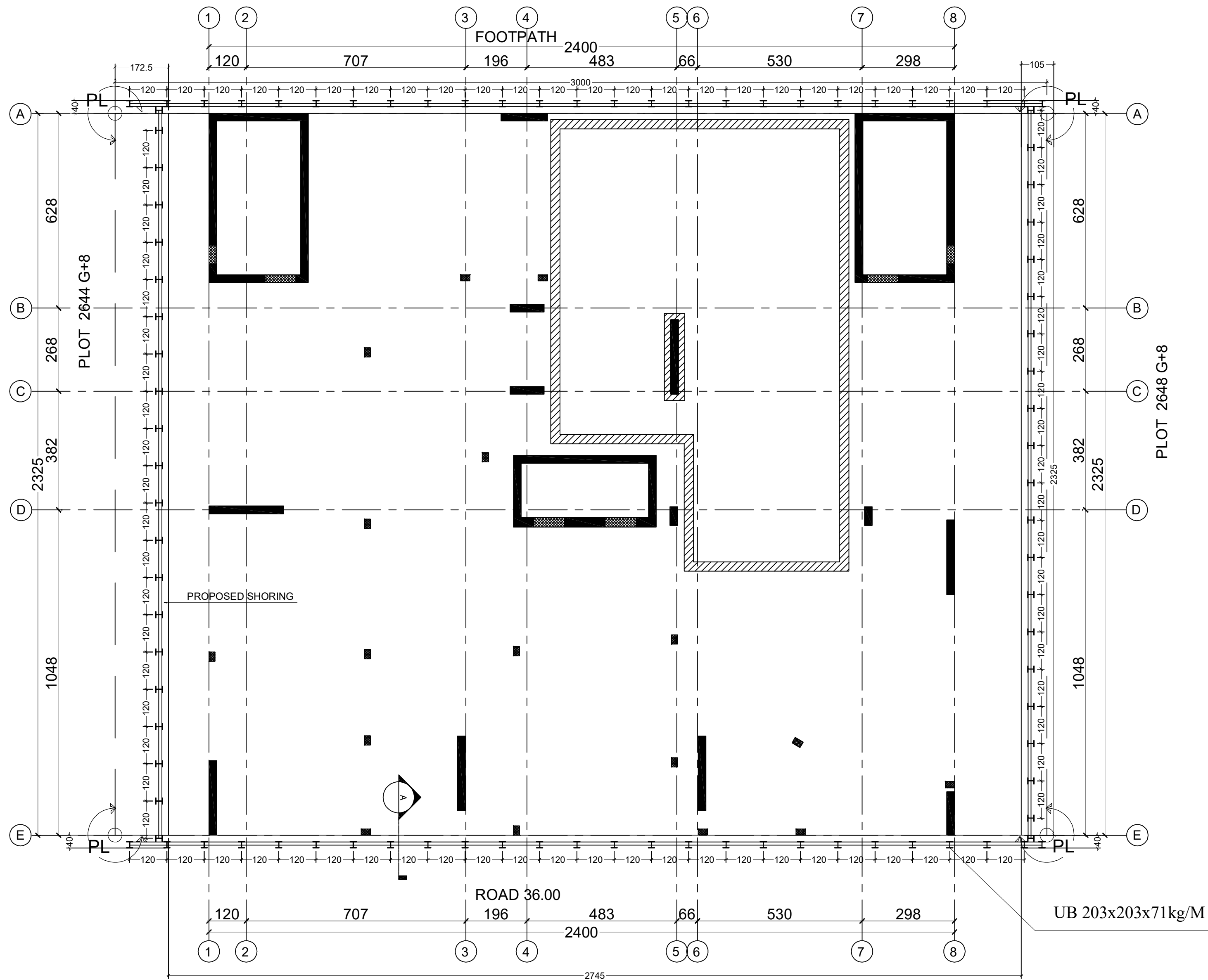






SECTION E - E





SHORING LAYOUT

NOTES:-

- 1) DO NOT 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 MORE 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
F_{cu} = 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

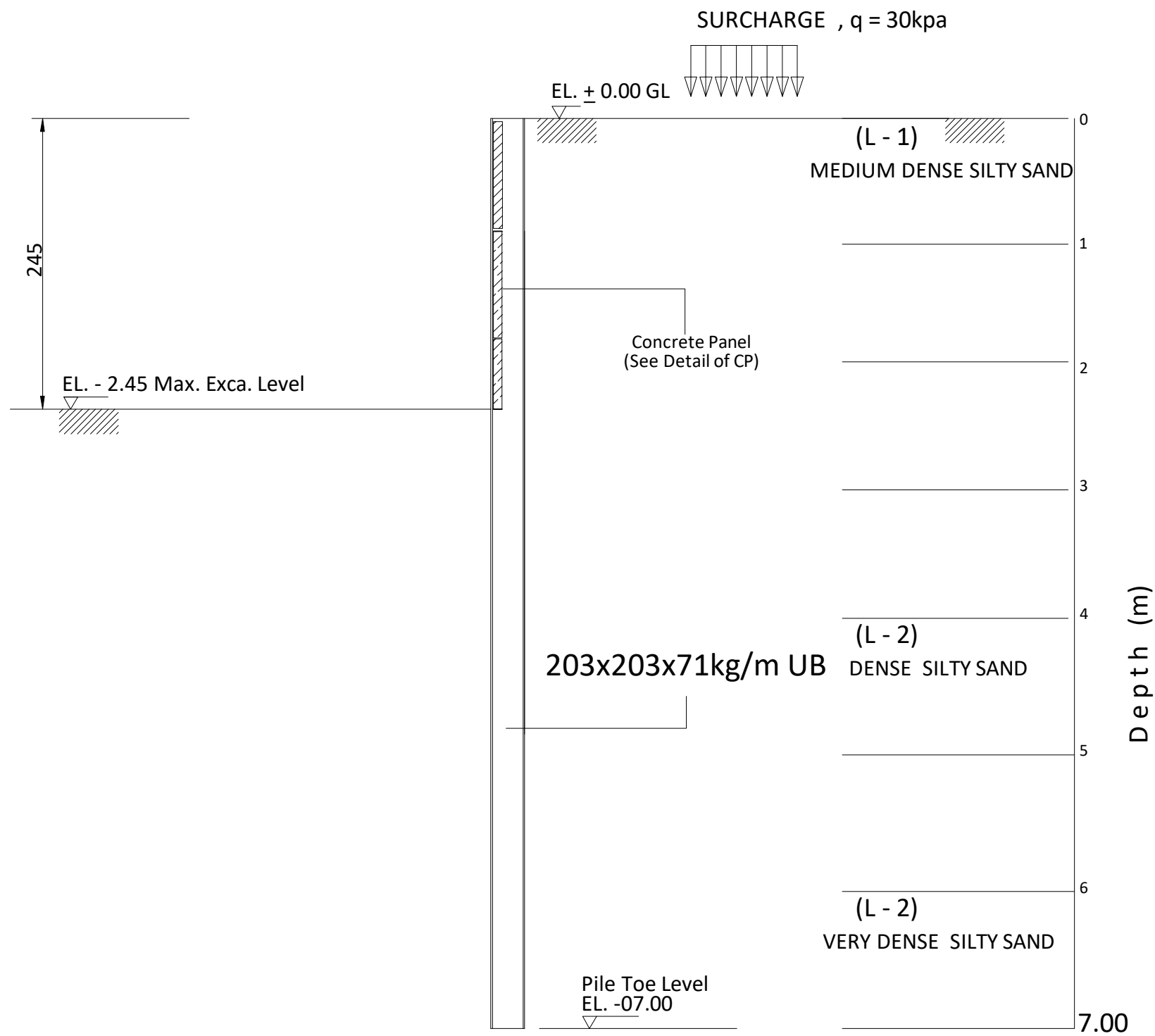
DRAWING
TITLE: SHORING LAYOUT



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

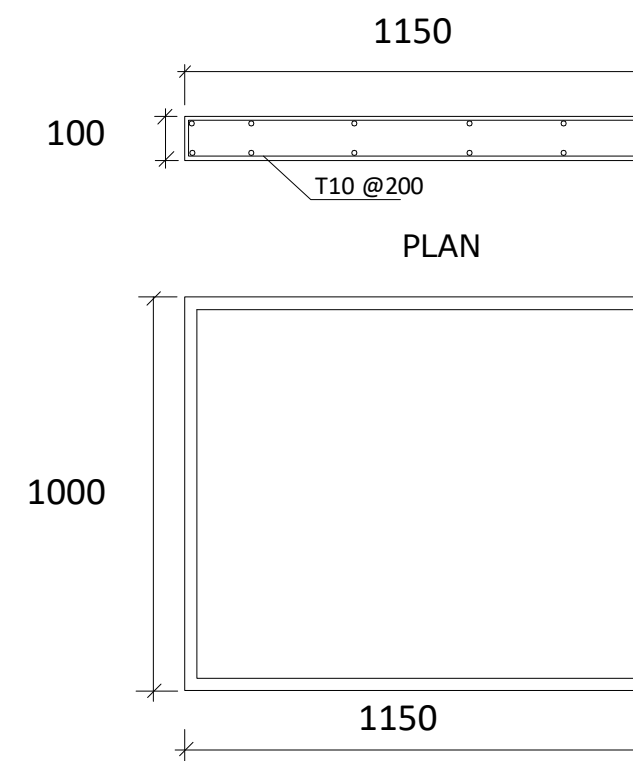
earth side



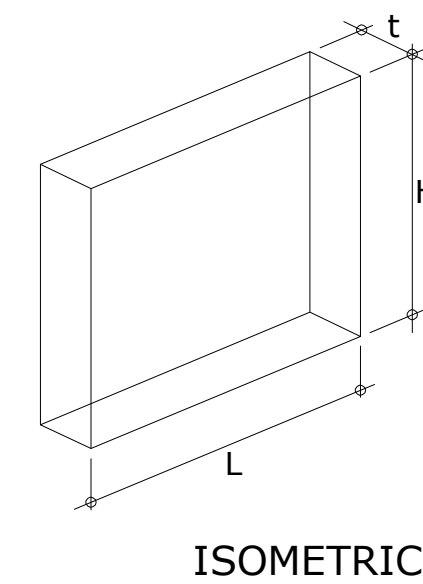
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		

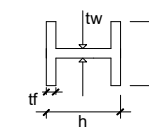


DETAIL OF CP



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:-

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B = BOTTOM STEEL
L=L1 OR L2(WHICH BIGGER)
FY=460N/mm2
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SUB CON. : MIDDLE EAST DEWATERING & FOUNDATION L.L.C



AREA : COMMERCIAL / MUWAILAH

PLOT NO: GOVERNMENTAL 2646 PROPERTY 423

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

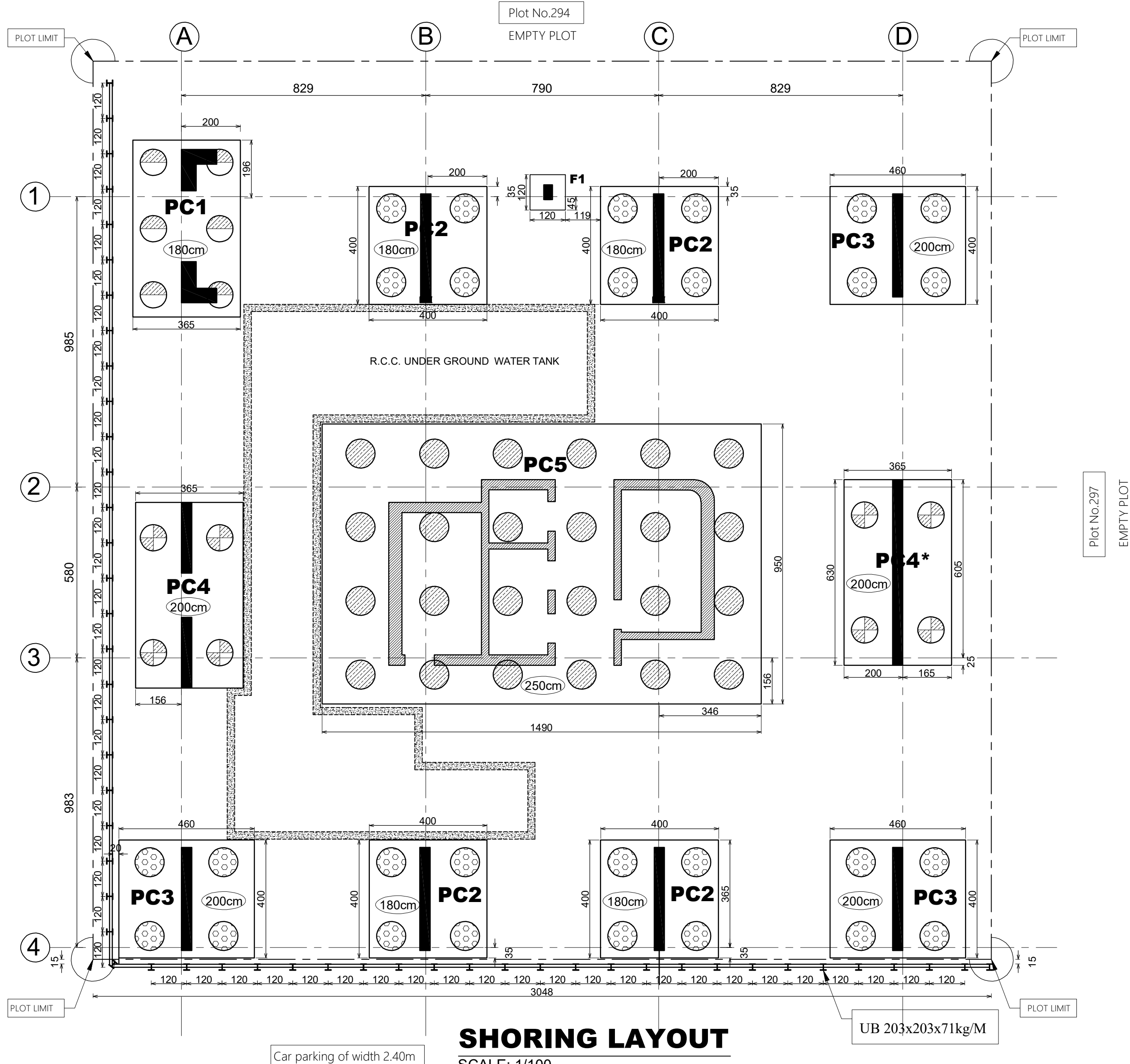
CLIENT: MR. SALEM ISMAIL FAIROUZ ALHARTHI

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

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



GENERAL NOTES:-
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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

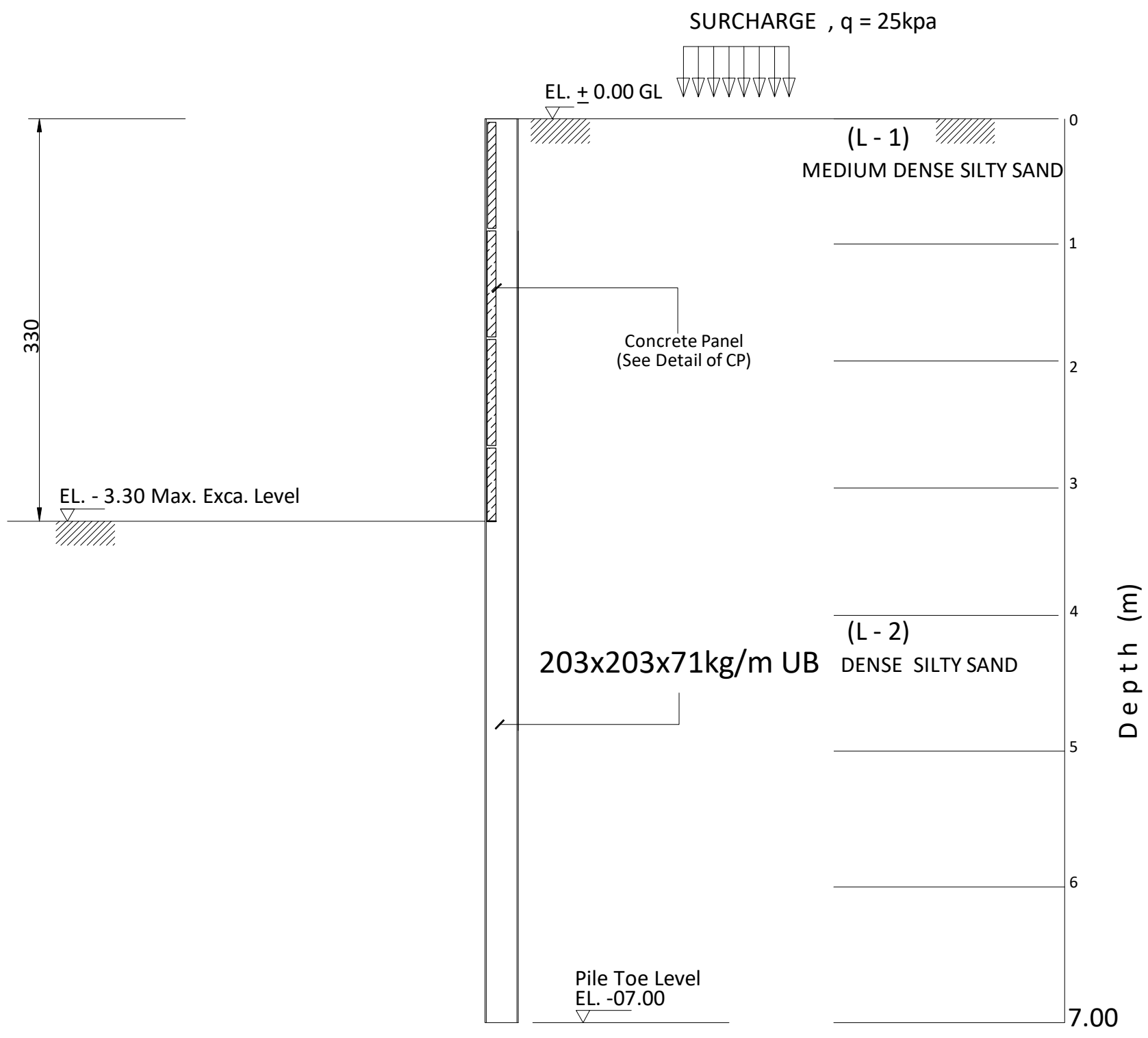
SHEET CONTENT
SHORING LAYOUT

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

Excavation Side

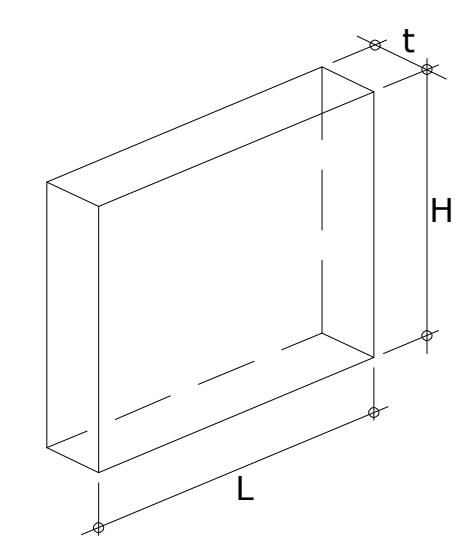
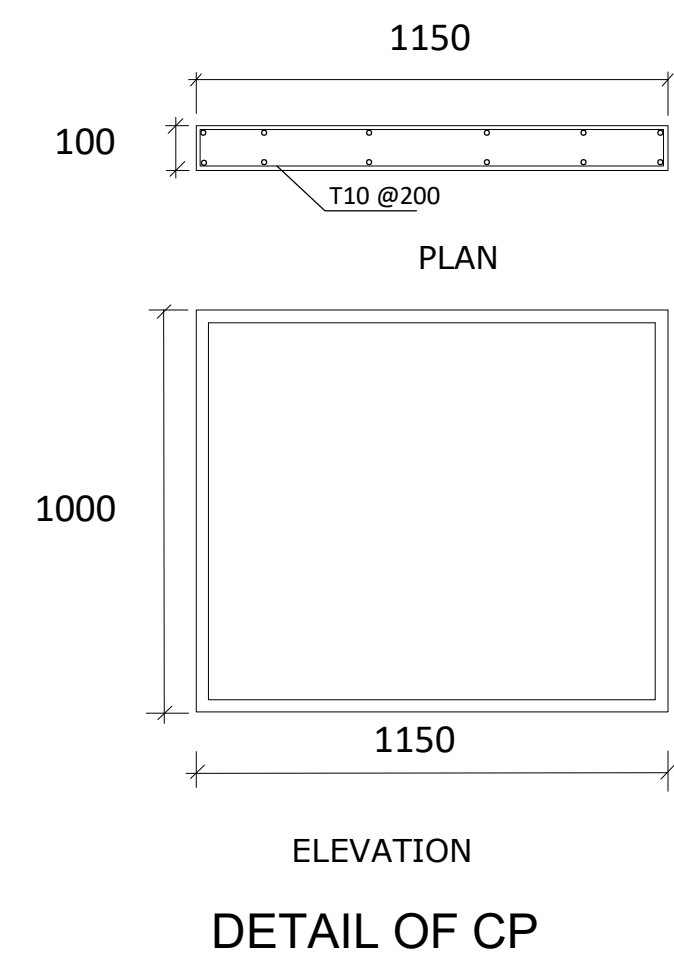
earth side



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



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,t _f (mm)	17.3	
WEB,t _w (mm)	10	
MODULUS, Z _x		
PLASTIC (cm ³)	706	

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إدارة تراخيص البناء
02/08/2023
تعديل انشائي
التوقيع

م. ل. ايسيت 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

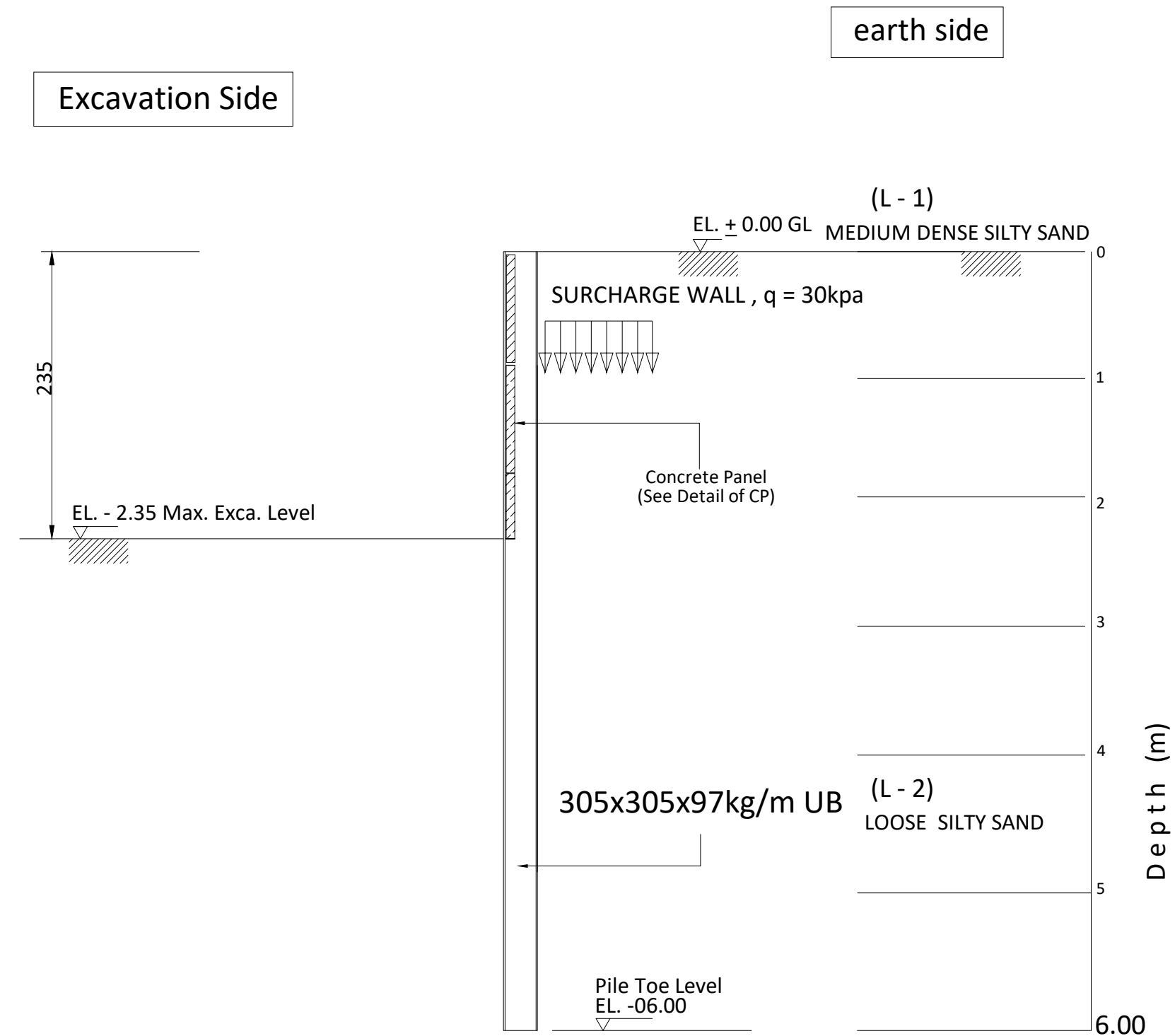
PLOT LOCATION SECTOR : Al Nahda
PLOT NO : 120 MULK | PLOT GOV : 295

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	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.	

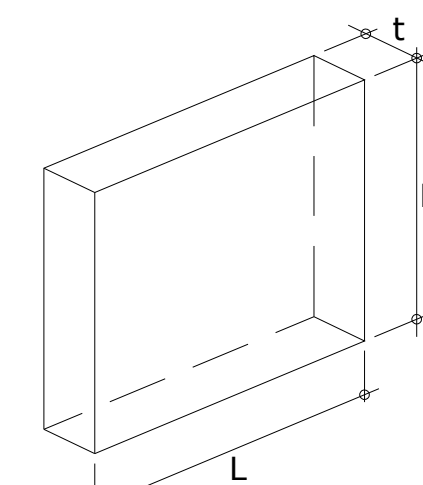
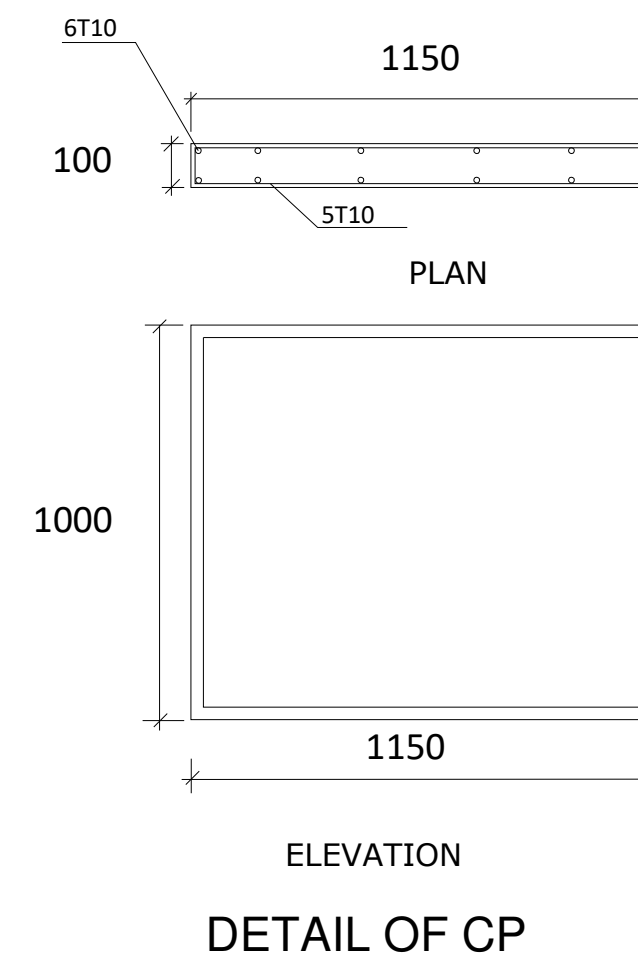
NO.	DATE	REVISIONS



SECTION A - A

SCHEDULE OF CONCRETE PANEL

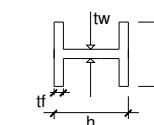
THK(mm)	SECTION			REMARKS
100	1000x1150			



ISOMETRIC

DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 06.00m	Fy = 275 N/mm ²
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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

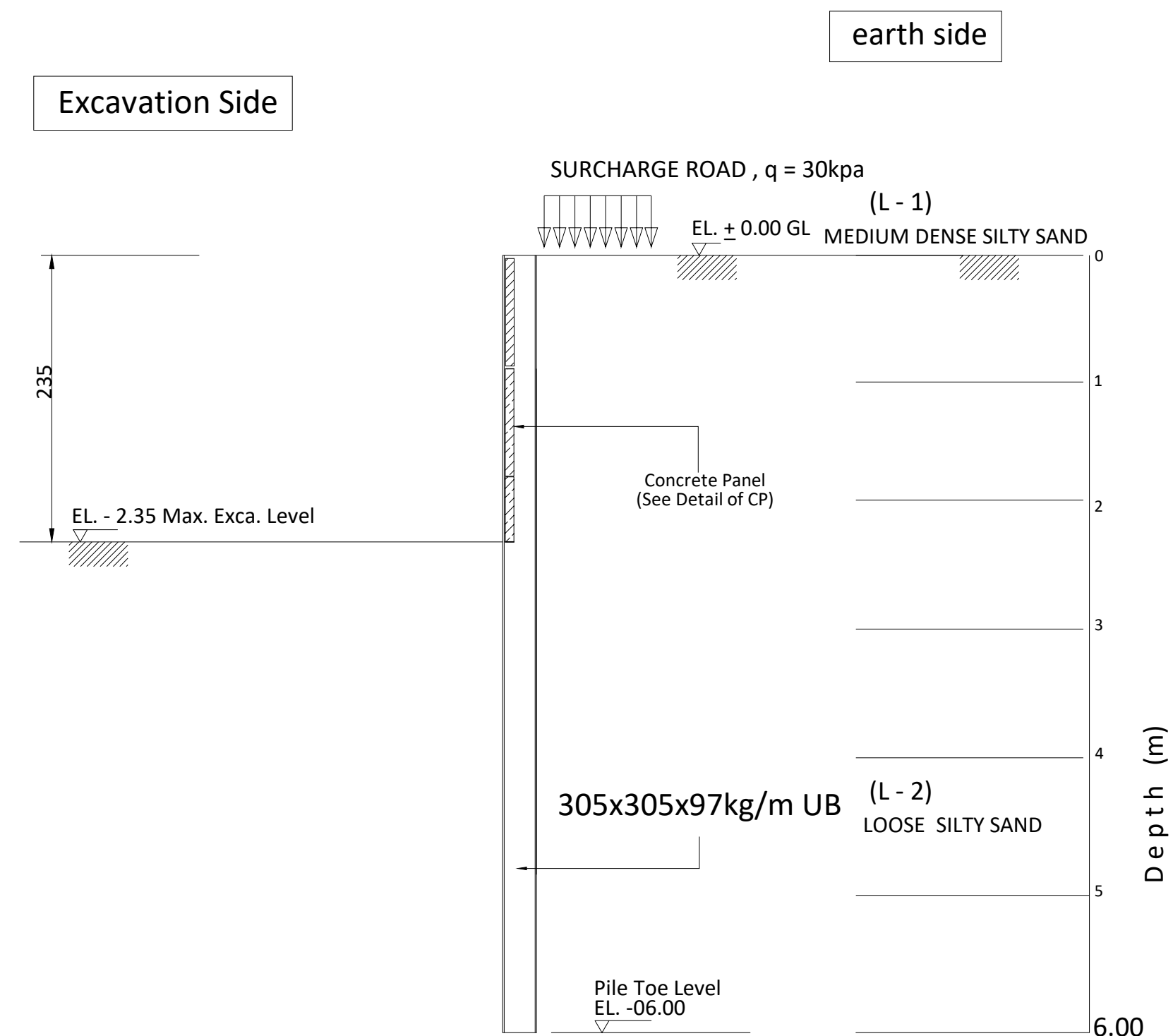
PROJECT:
MODIFICATION OF 2 NO.S OF
G+1 VILLAS (HOTEL) TO RESTAURANTS
+ PROPOSED: 2 G SERVICE BLOCKS
+ CAR PARKING + BOUNDARY WALL

DRAWING TITLE:
SHORING SECTION A-A

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

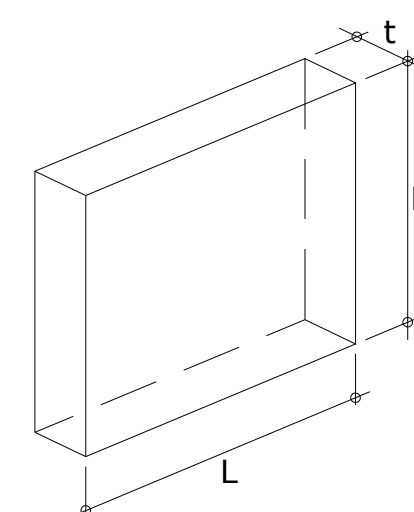
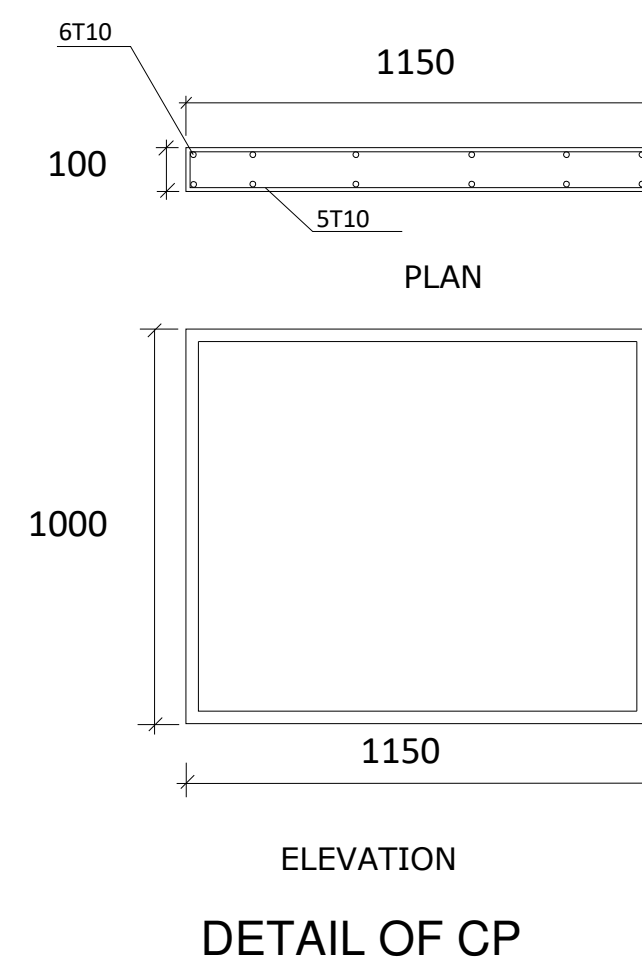
JOB NO:	DWG NO:	REV. NO.
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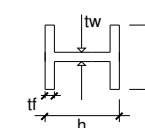
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



ISOMETRIC
DETAIL OF CP

SECTION PROPERTIES



	
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SECTION	203x203x71kg/M
MASS (kg/m)	71
DEPTH,h (mm)	215.8
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WEB,t _w (mm)	10
MODULUS, Z _x	
PLASTIC (cm ³)	706

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 4. PREPARE WORKING DETAILED DRAWING FOR EXECUTION, IF REQUIRED BY CONSULTANT.
 5. VERIFY ALL DIMENSIONS PRIOR TO APPROVAL.
 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 DIMENSIONS ON SITE AND SHOP DRAWINGS OR SUPPLIES DRAWING SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF ALL CONCERNED BEFORE EXECUTING THE WORKS.
 8. IN ORDER TO AVOID ANY MISUNDERSTANDING, 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLIANCE WITH SPECIFICATIONS AND SPECIFICATIONS IN HIS LUMP SUM TENDER PRICE AND THE PRICED B.O.Q. THE WORK SHALL BE EXECUTED ACCORDINGLY IN COMPLIANCE WITH THE DRAWINGS.

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 PLANING
☐ 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

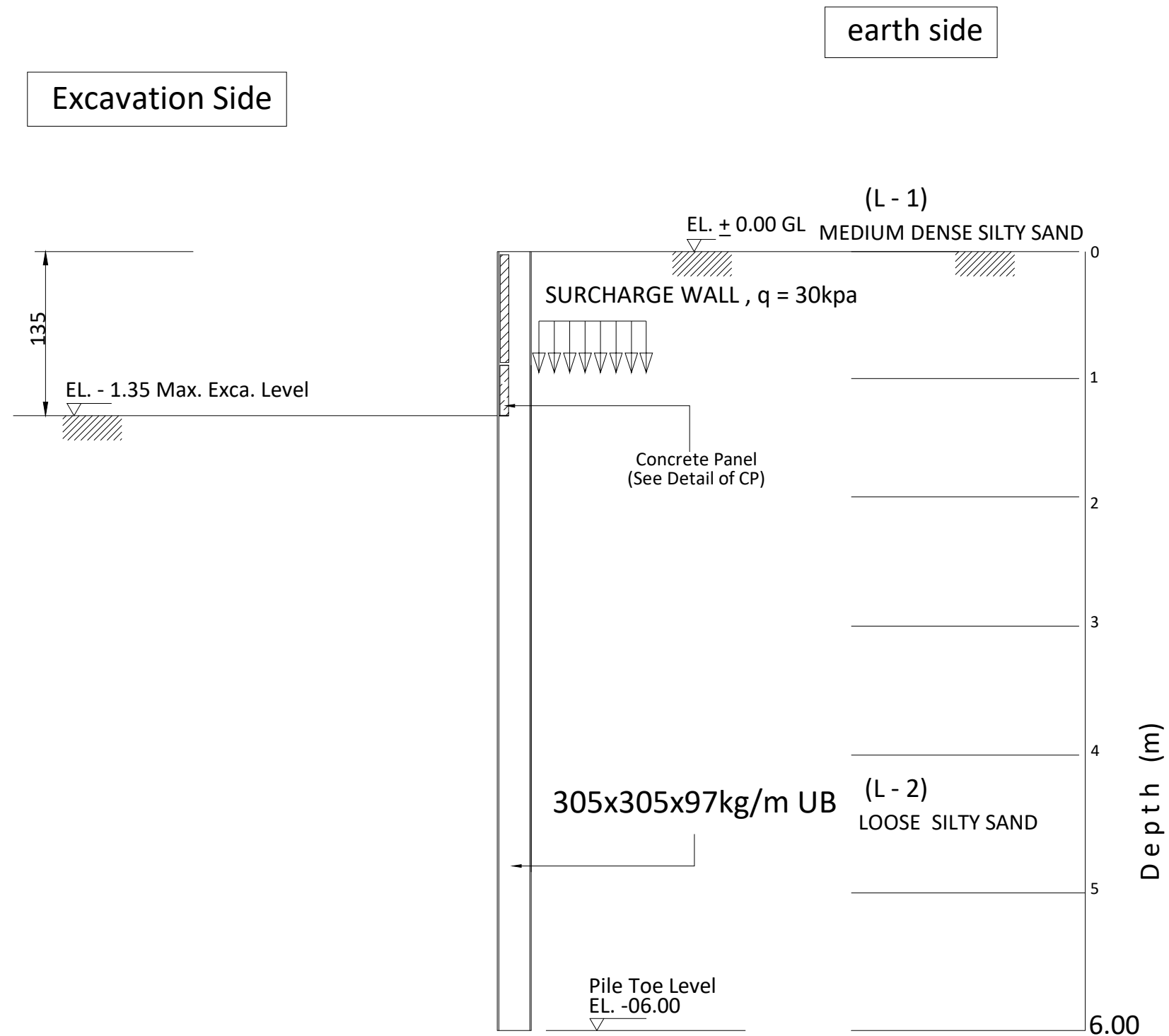
DRAWING TITLE:

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	

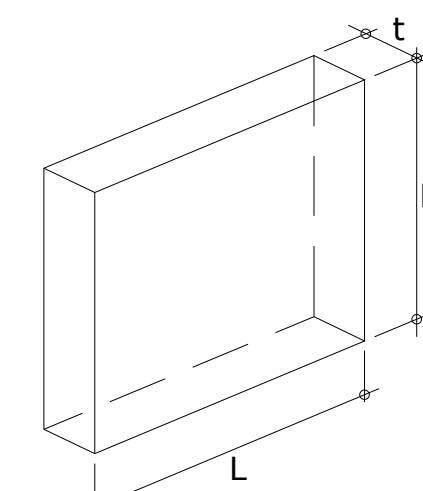
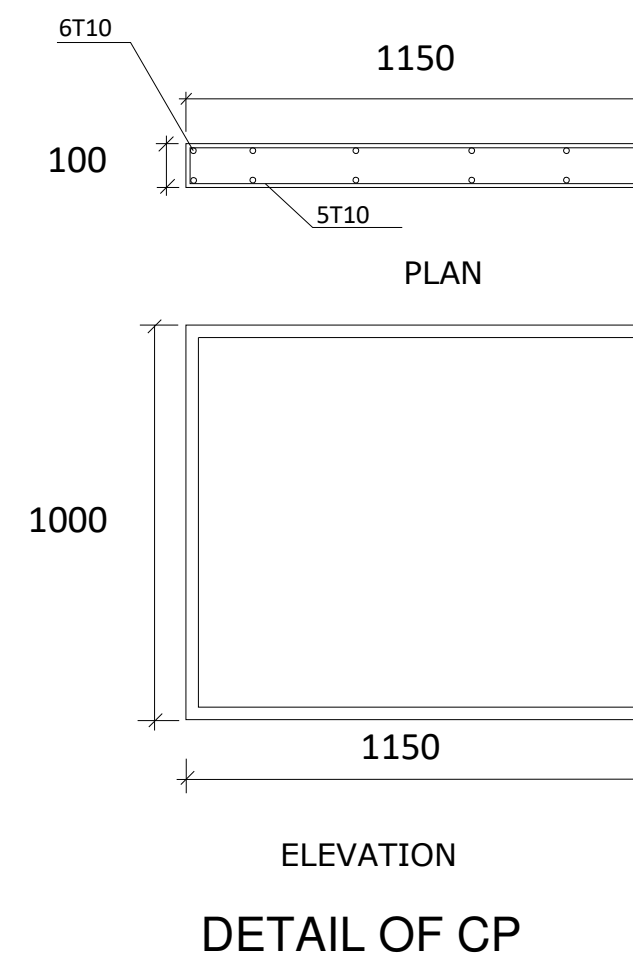
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SECTION C - C

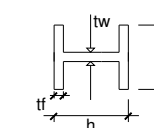
SCHEDULE OF CONCRETE PANEL

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 :
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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

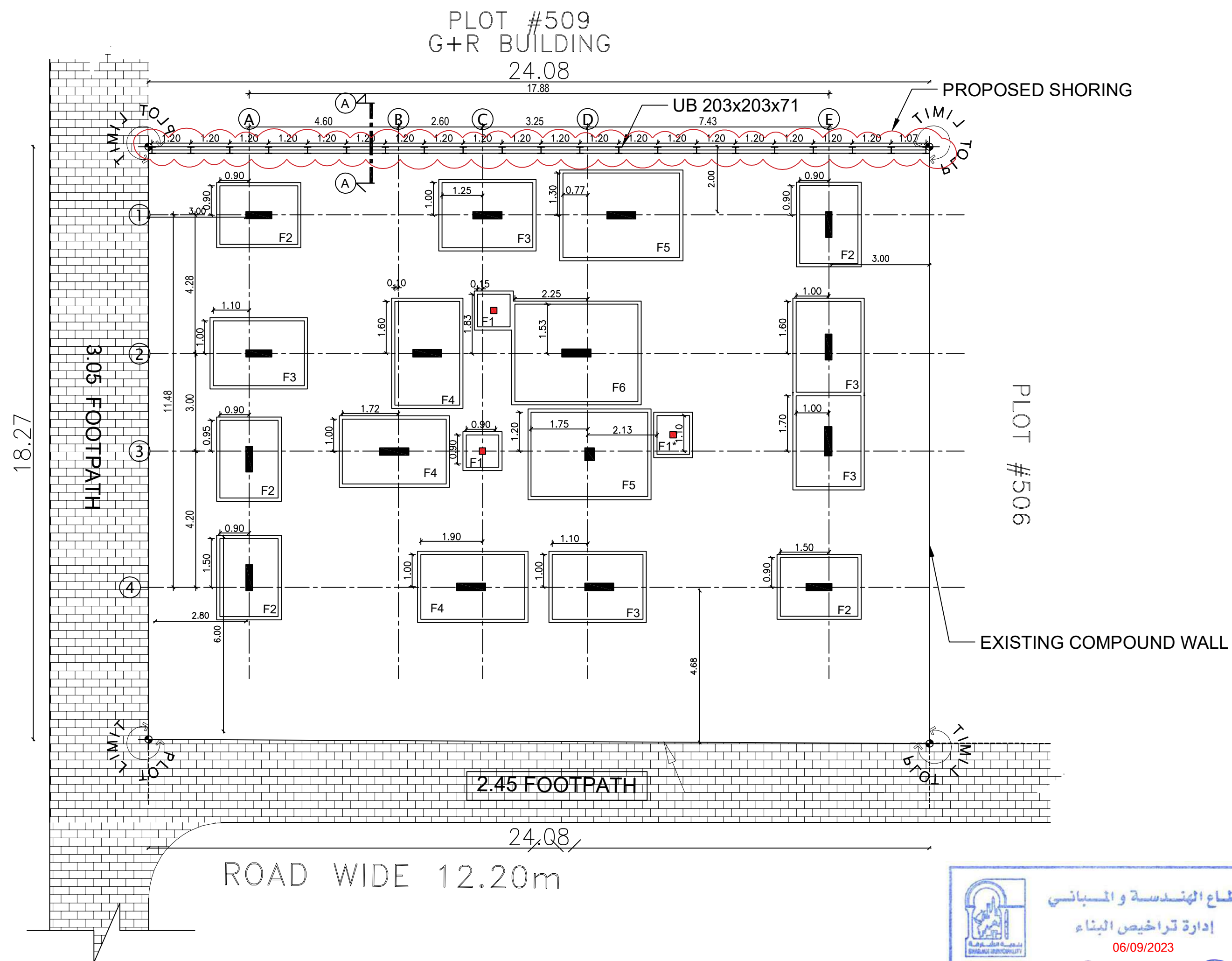
PROJECT :
MODIFICATION OF 2 NO.S OF
G+1 VILLAS (HOTEL) TO RESTAURANTS
+ PROPOSED : 2 G SERVICE BLOCKS
+ CAR PARKING + BOUNDARY WALL

DRAWING TITLE:
SHORING SECTION 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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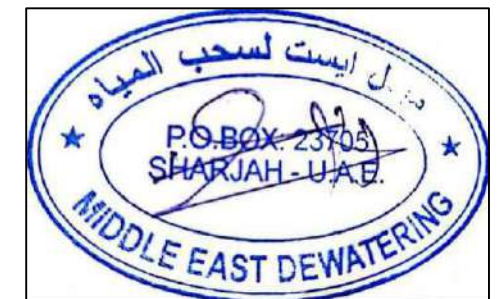


SHORING LAYOUT PLAN
(SCALE = 1 : 100)



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



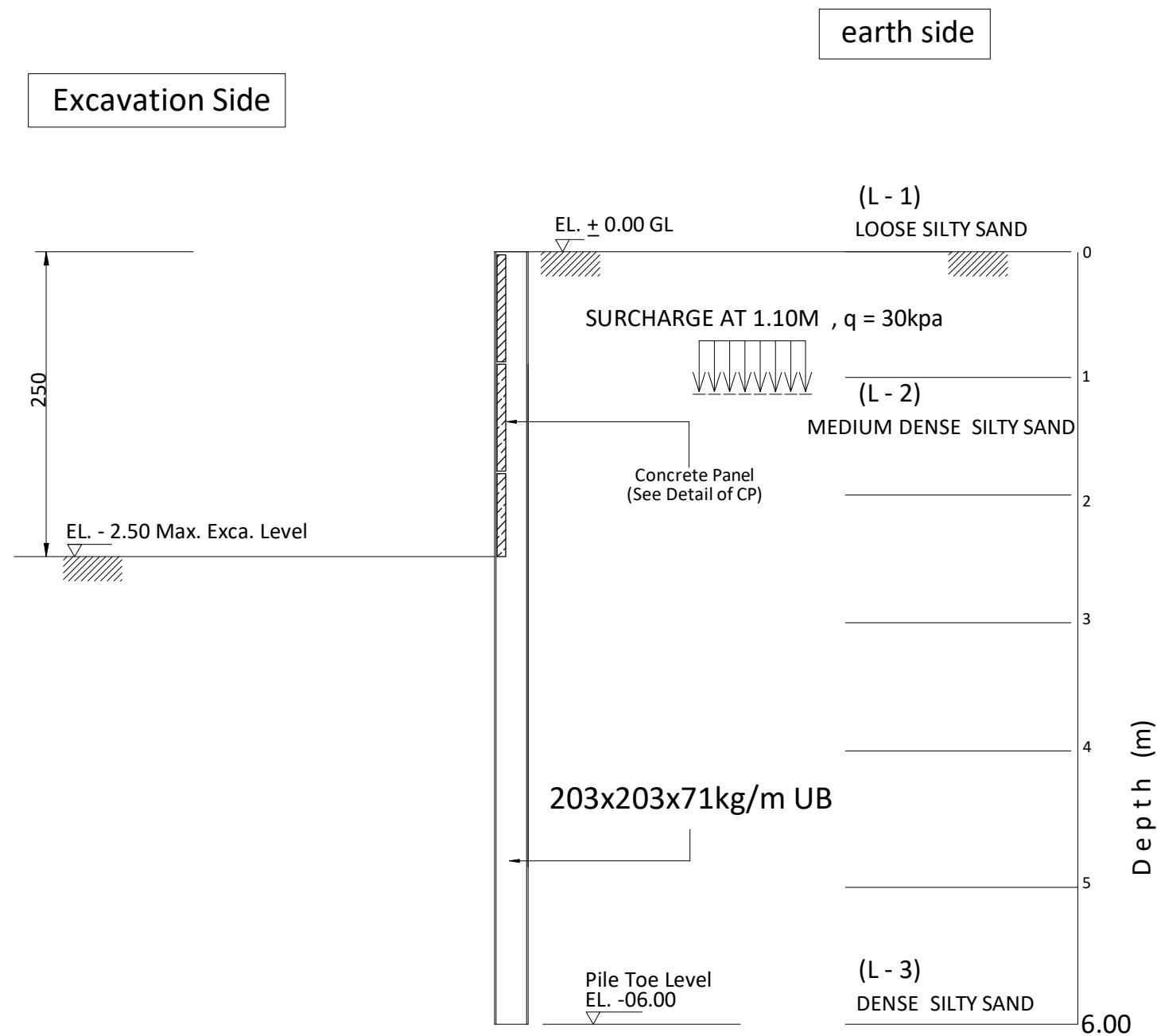
CLIENT:
Nasir Bakhit Nasir Humaid Almuheiri And His Partners

PROJECT:
PROPOSED VILLA (G+1)

SHEET TITLE:
SHORING LAYOUT

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

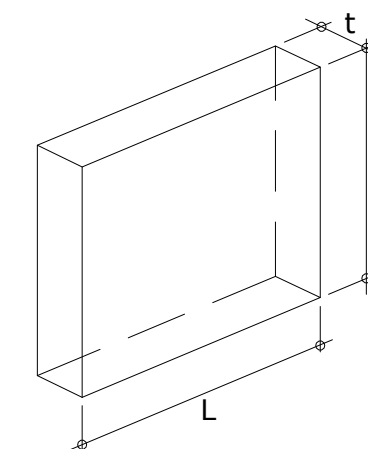
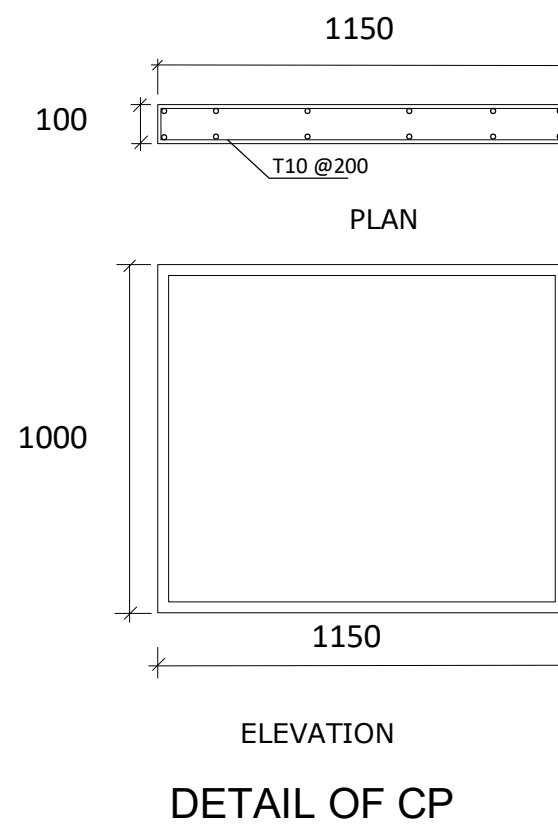
Excavation Side



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,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



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
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8. HOSE REEL CABINET IN CLEAR GLASS & STAINLESS STEEL FRAME TO CIVIL DEFENCE APPROVAL.



SUB CONTRACTOR

MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

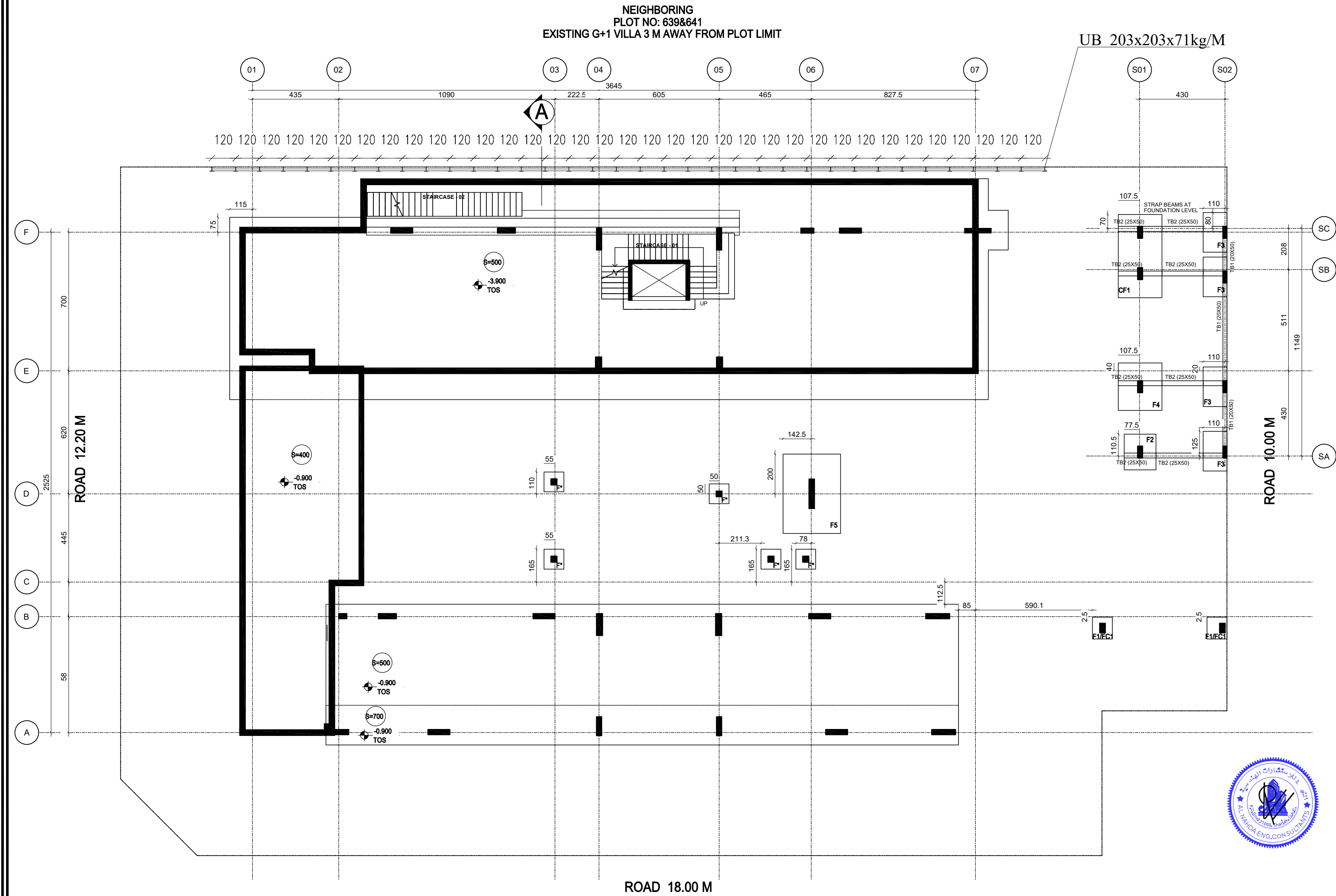


CLIENT:
Nasir Bakhit Nasir Humaid Almuheiri And His Partners

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



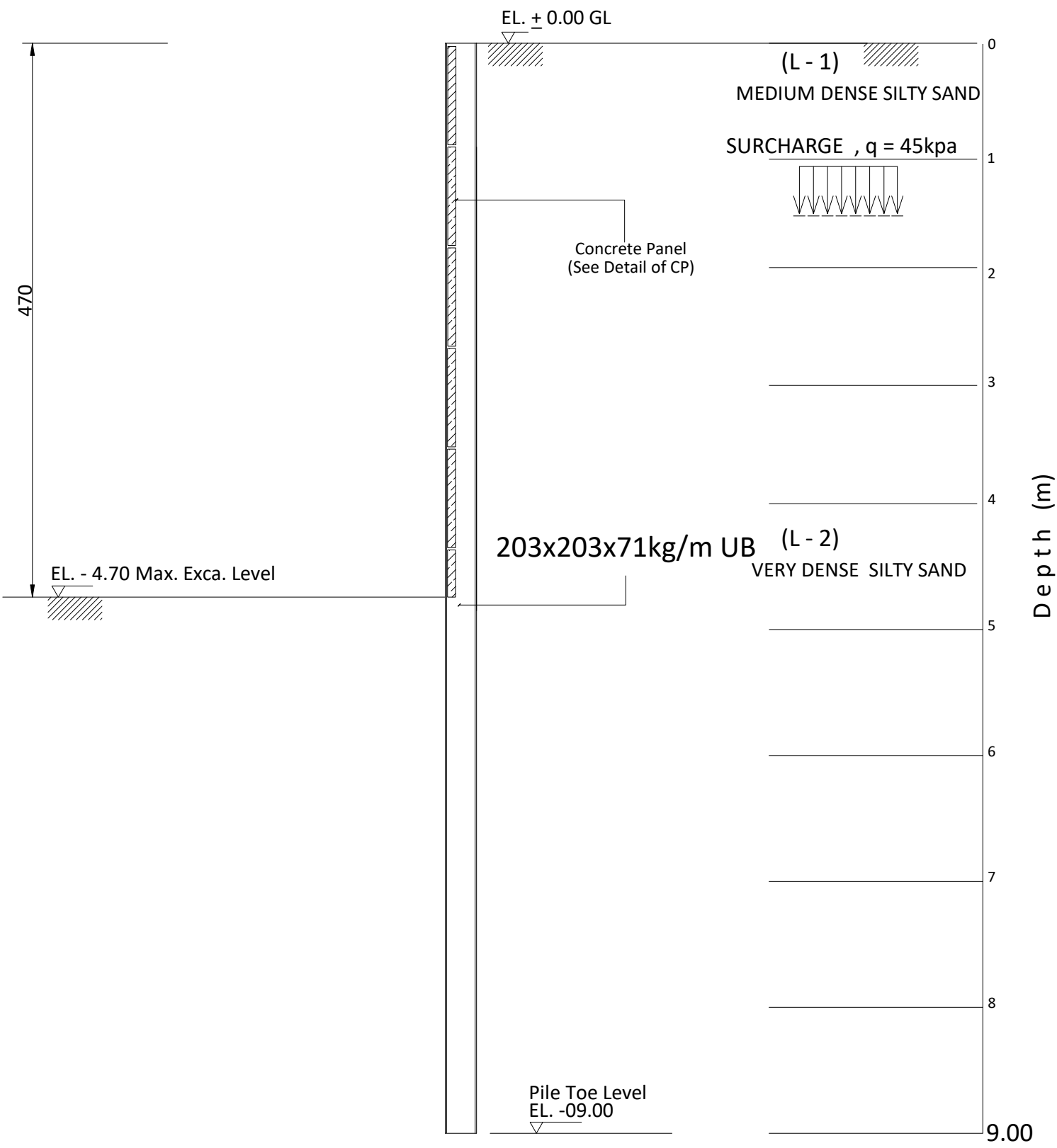
job title
PROPOSED (B+G+1) VILLA +
PROPOSED SERVICE BLOCK & PARKING

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.MAHOOD		drawn ENG.MAHOOD	
MEP Eng.		Scale 1:150@A2	Date 02/08/2023

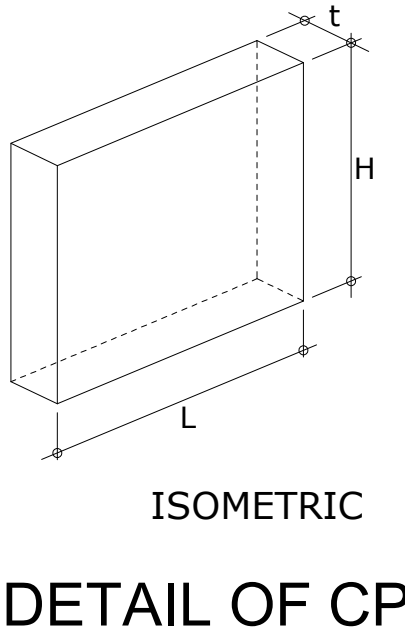
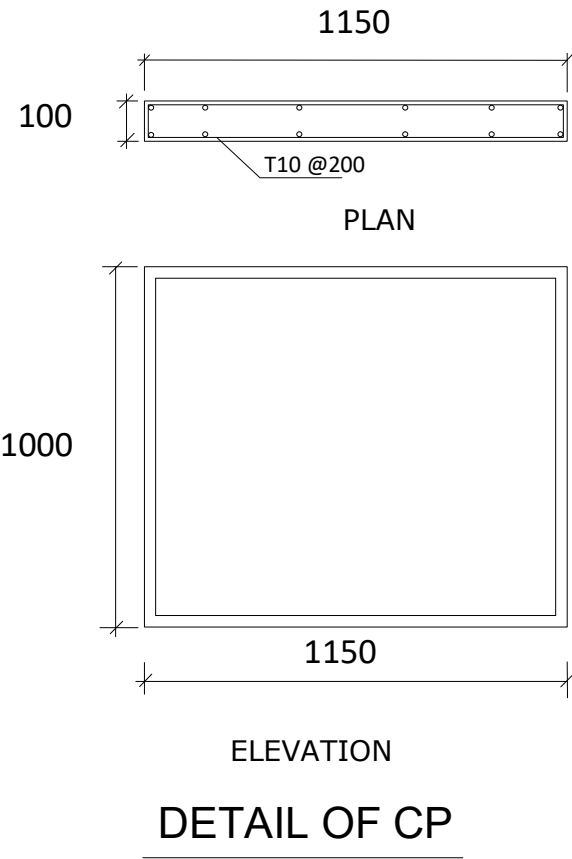
Excavation Side



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



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:

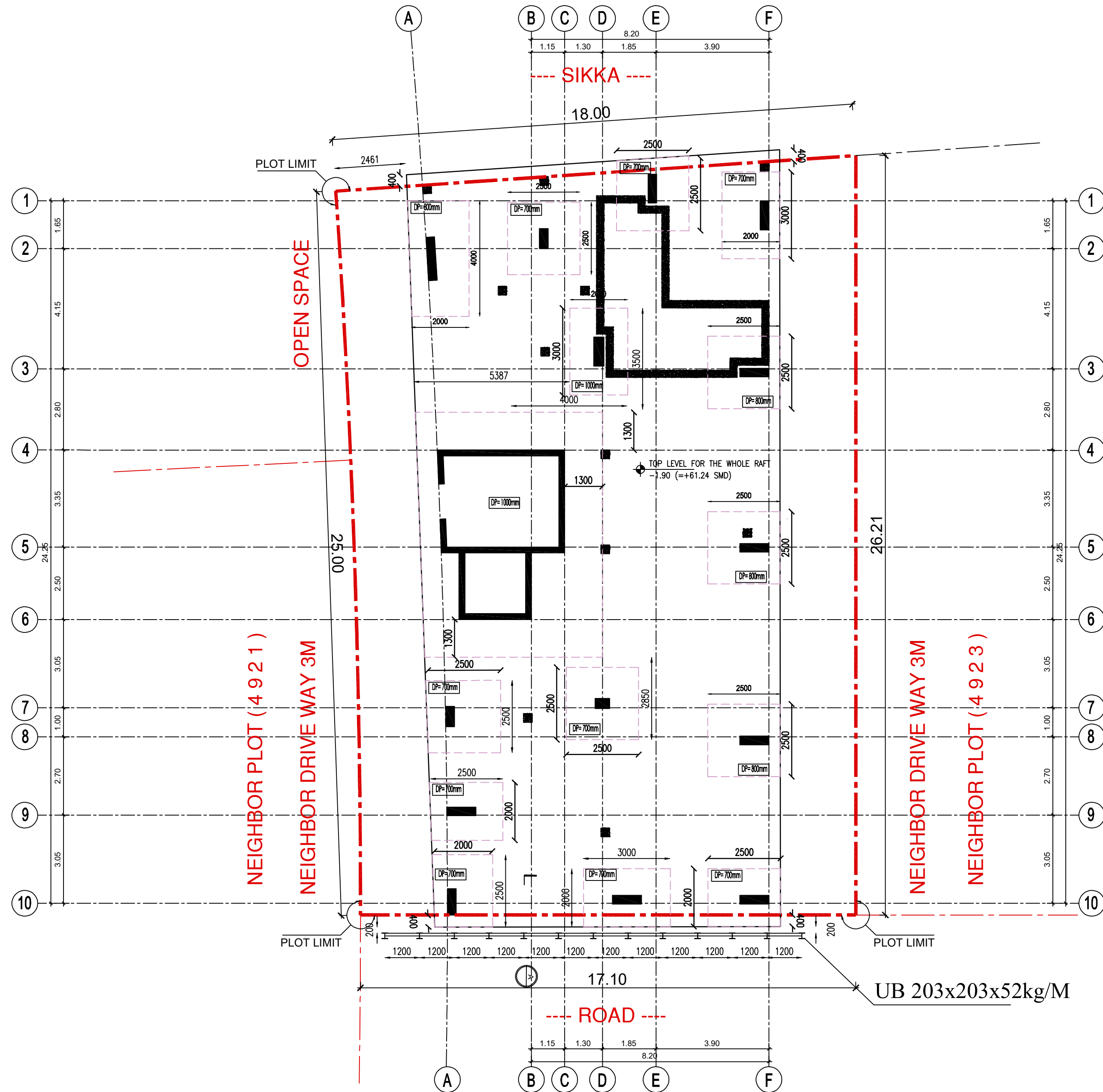
	Bays Water Tower,Business Bay Office 1910 P.O.Box 57004 Dubai-UAE Tel: +971(0)44516868 Fax: +971(0)44516969 E-mail: mail@whitespace.ae URL: www.whitespace.ae
--	--



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	اللقب	الجنس	تاريخ الميلاد	تاريخ الصلاحية	ملاحظات
1	...	...	...	...	...	...
2	...	...	...	...	...	...
3	...	...	...	...	...	...
4	...	...	...	...	...	...
5	...	...	...	...	...	...
6	...	...	...	...	...	...
7	...	...	...	...	...	...
8	...	...	...	...	...	...
9	...	...	...	...	...	...
10	...	...	...	...	...	...

هيئة الطرق والمواصلات
شارجها



قطاع الهندسة و المنياني
إدارة تراخيص البناء
13/04/2023
تصديق انشائي
التوقيع

LOCAL AUTHORITY APPROVAL:

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- 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).
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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:
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

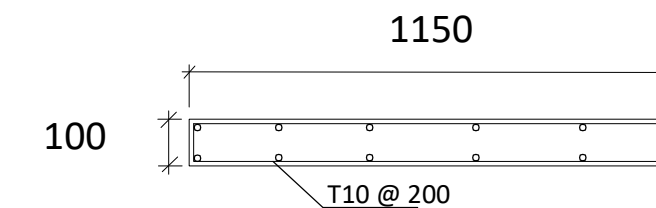
(L - 5)
DENSE SILTY SAND

Pile Toe Level
EL. -08.00

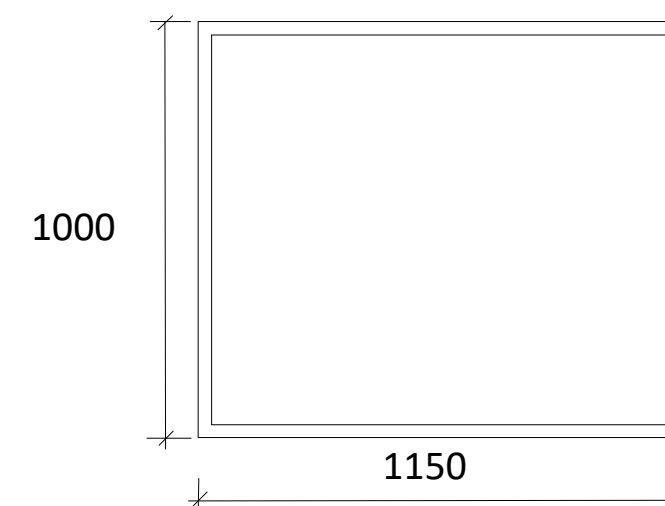
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		

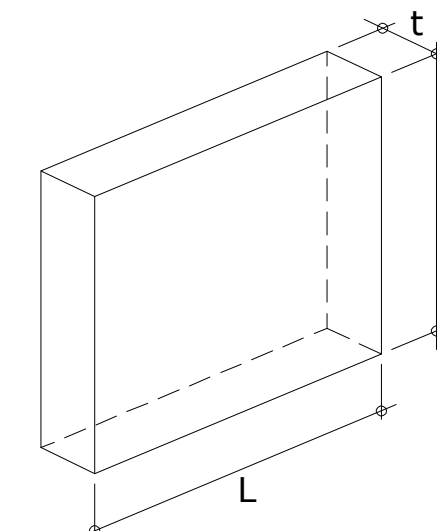


PLAN



ELEVATION

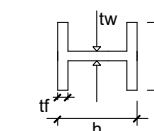
DETAIL OF CP



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:

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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

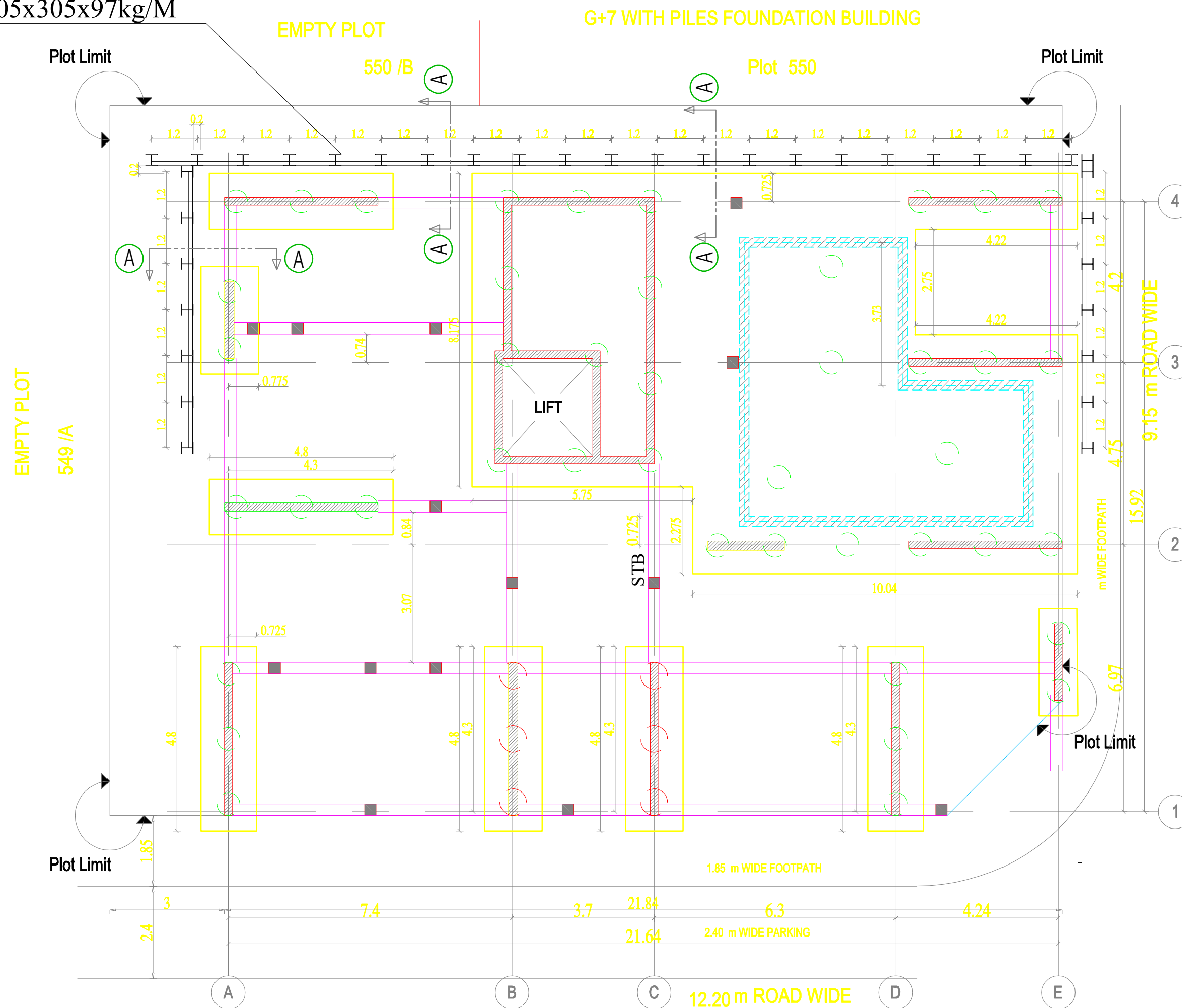
1 UNIT = 10 mm WHEN PRINTED AT A2 SHEET SIZE

DIVISION SUB.GROUP SHEET NUMBER PROJECT No.

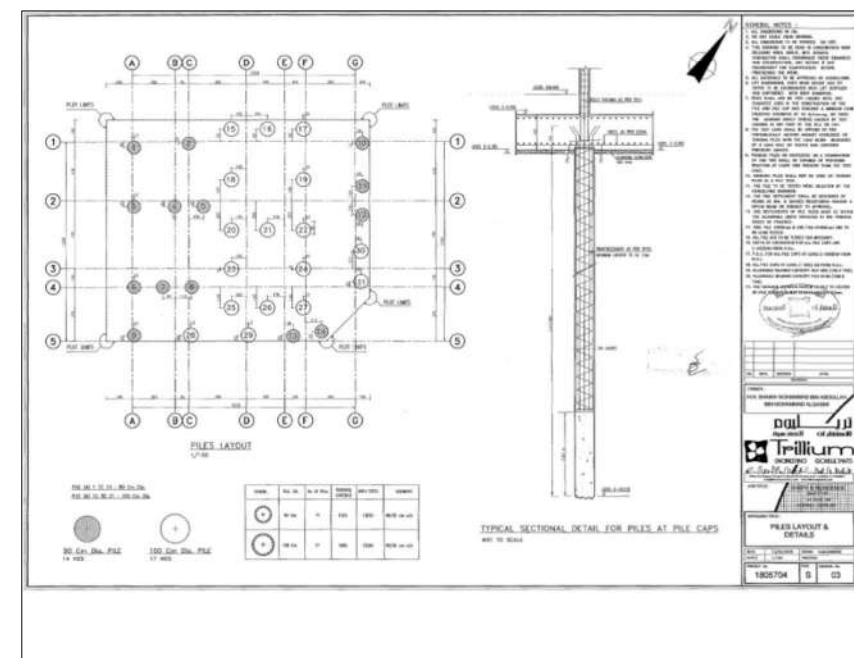
S 400 701

ISSUED FOR:

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 لمراقبة 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

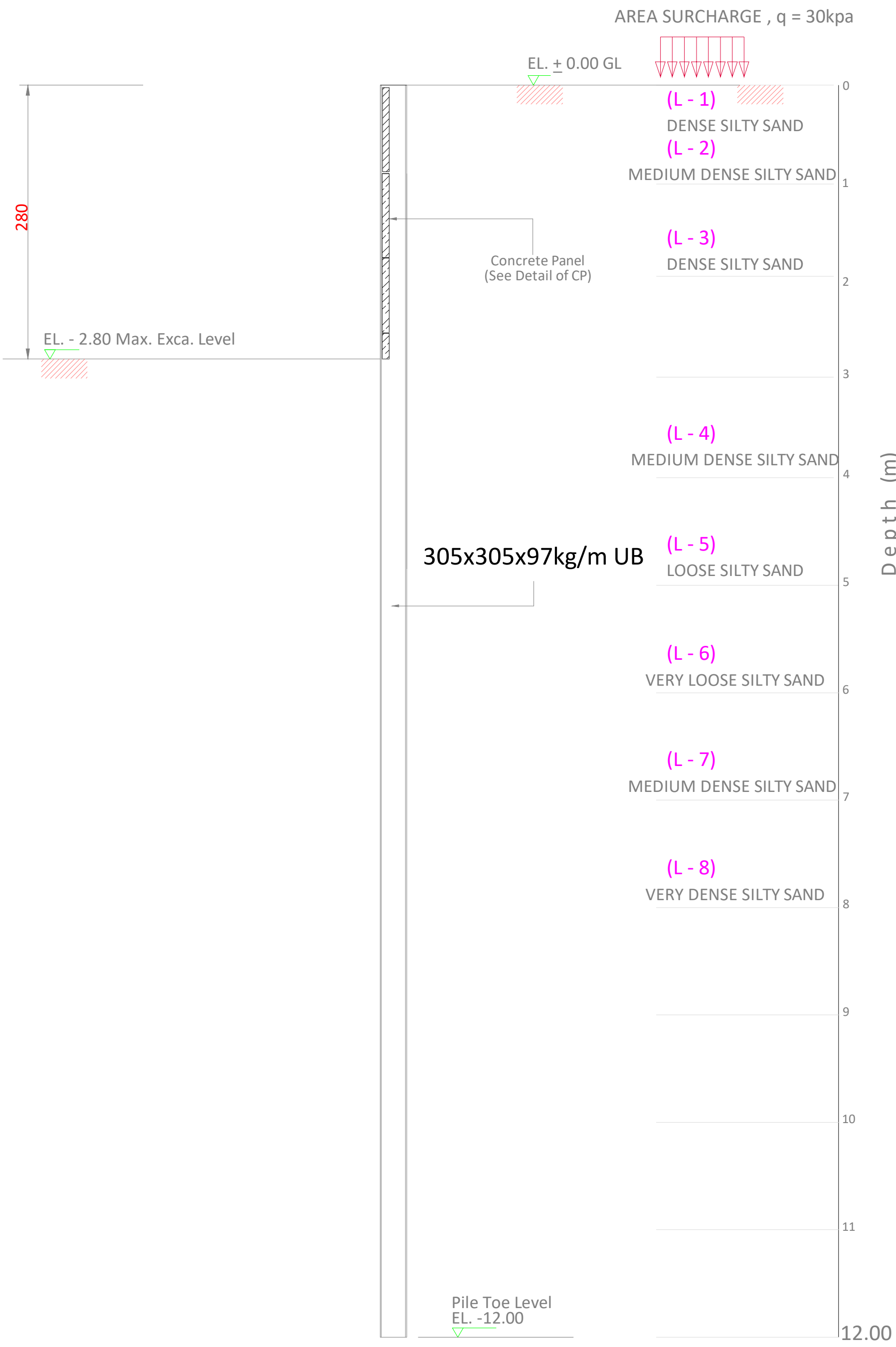
PROJECT TITLE :-
UNDER CONSTRUCTION BUILDING (G+4)

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

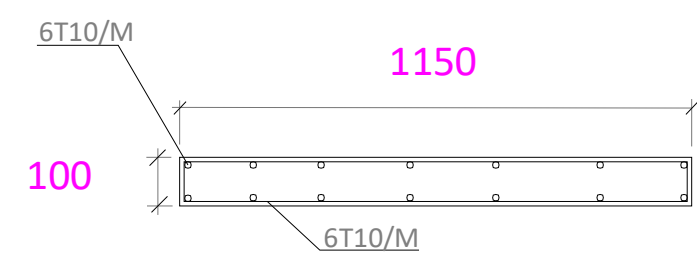
earth side



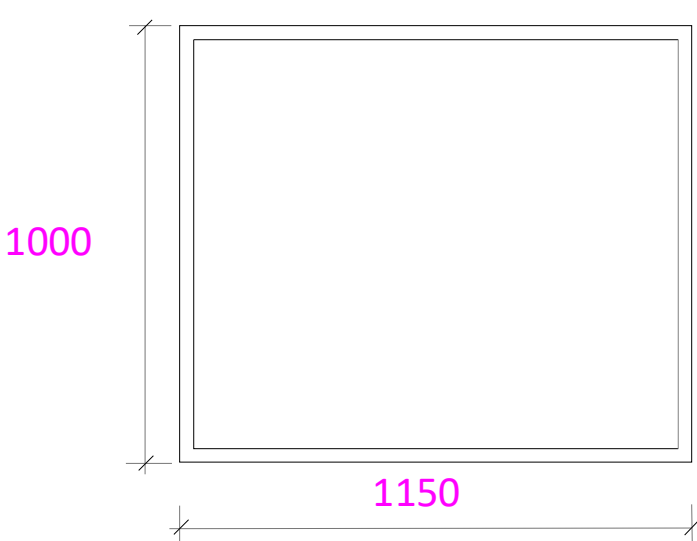
SECTION A - A

SCHEDULE OF CONCRETE PANEL

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



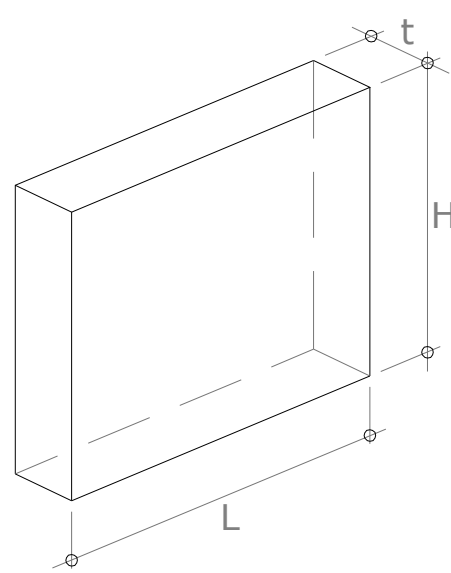
PLAN



ELEVATION

DETAIL OF CP

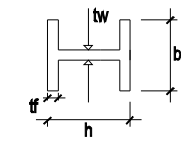
(Fcu = 40 N/mm2 , Fy = 460 N/mm2)



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
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- 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

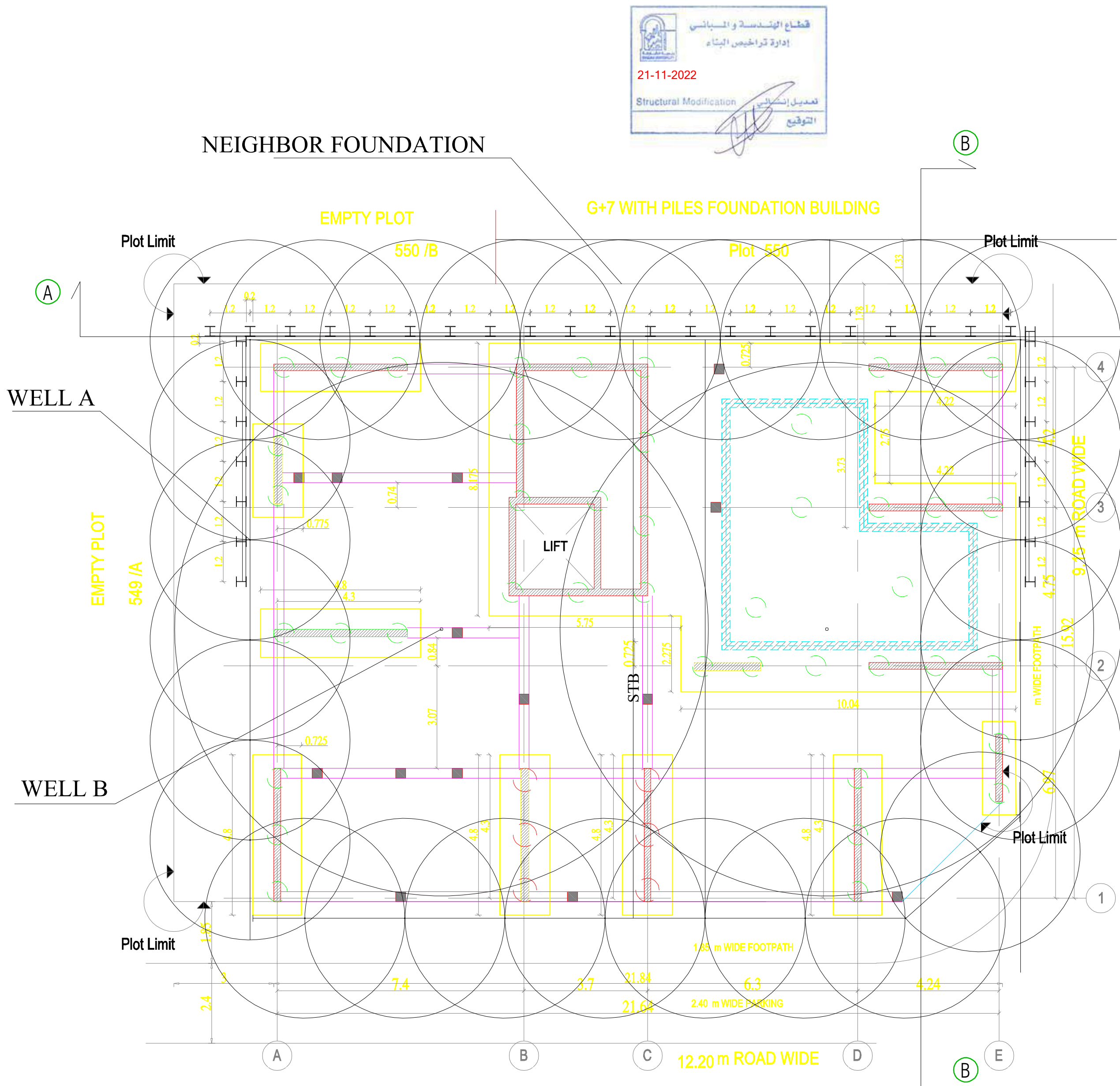
PROJECT TITLE :-

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. :-



MED

ميدل إيست لسحب المياه
Middle East Dewatering

التاريخ : 2022/11/2

السادة / بلدية الشارقة

المحترمين

تحية طيبة وبعد

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

الموضوع : تعهد

بالإشارة إلى الموضوع أعلاه ، نتعهد نحن شركة ميدل إيست بسلامة البنيان والطرق المجاورة للمشروع نتيجة أعمال سده جوانب الحفر وتخفيف المياه الجوفية بالموقع و أنها تحت مسؤوليتنا بالكامل و استخدام بيزوميتر لمراقبة المياه .

ميدل إيست لسحب المياه

ميدل إيست لسحب 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

AL THIGA

الثقة لمقاولات البناء

AL THIGA M.B. 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 البائين 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

مع فائق الاحترام و التقدير .

الثقة لمقاولات البناء .

الثقة لمقاولات البناء

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 :

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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 :-
FARIDA ABDULLA WIFE OF
ABDULAZIZ ABDULRAHIM MOHAMMED ALZARROONI

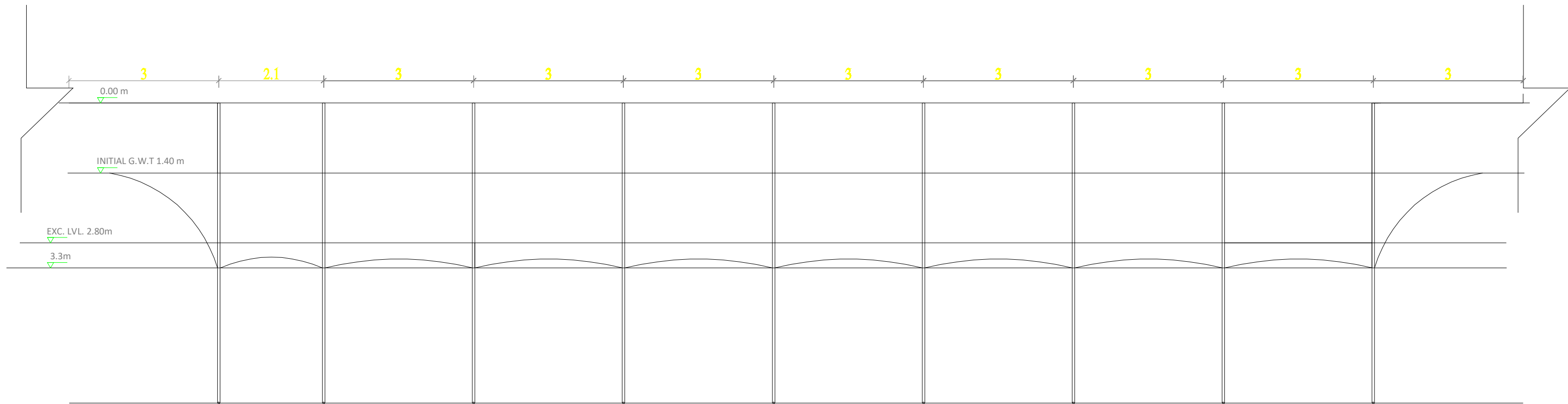
PROJECT TITLE :-
UNDER CONSTRUCTION BUILDING (G+4)

DWG. TITLE :
DEWATERING EFFECT LAYOUT

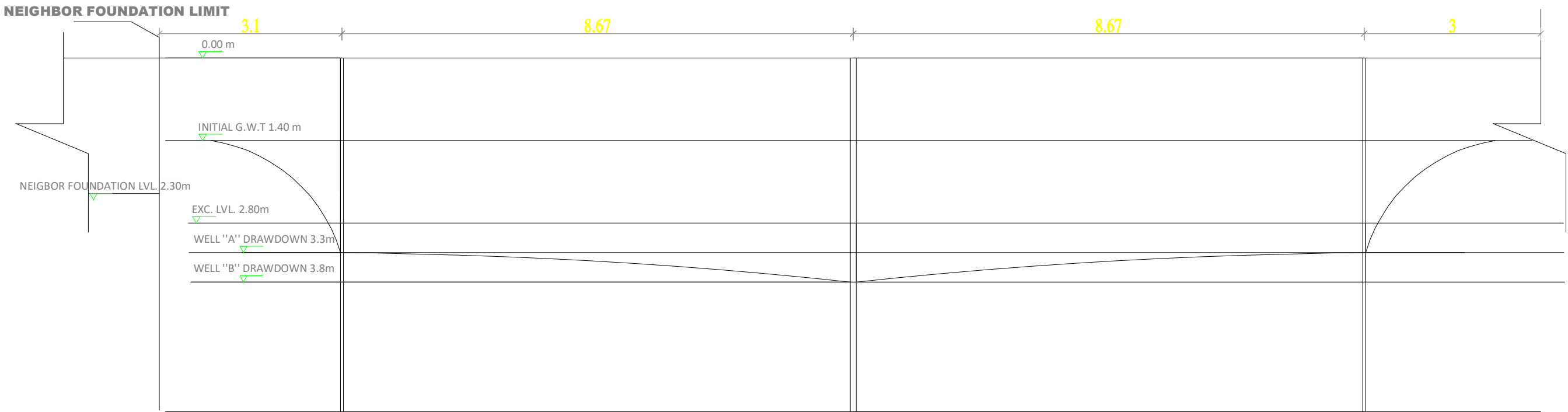
PLOT NO:-	MULK: 619 GOV: 550/A	BLOCK:- AL NABAA	
DESIGNED BY:- M.H	COORDINATED BY:- M.H	APPROVED BY:- M.H	DRAWING NO. :-
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 11-2022	JOB NO. :-

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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- 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

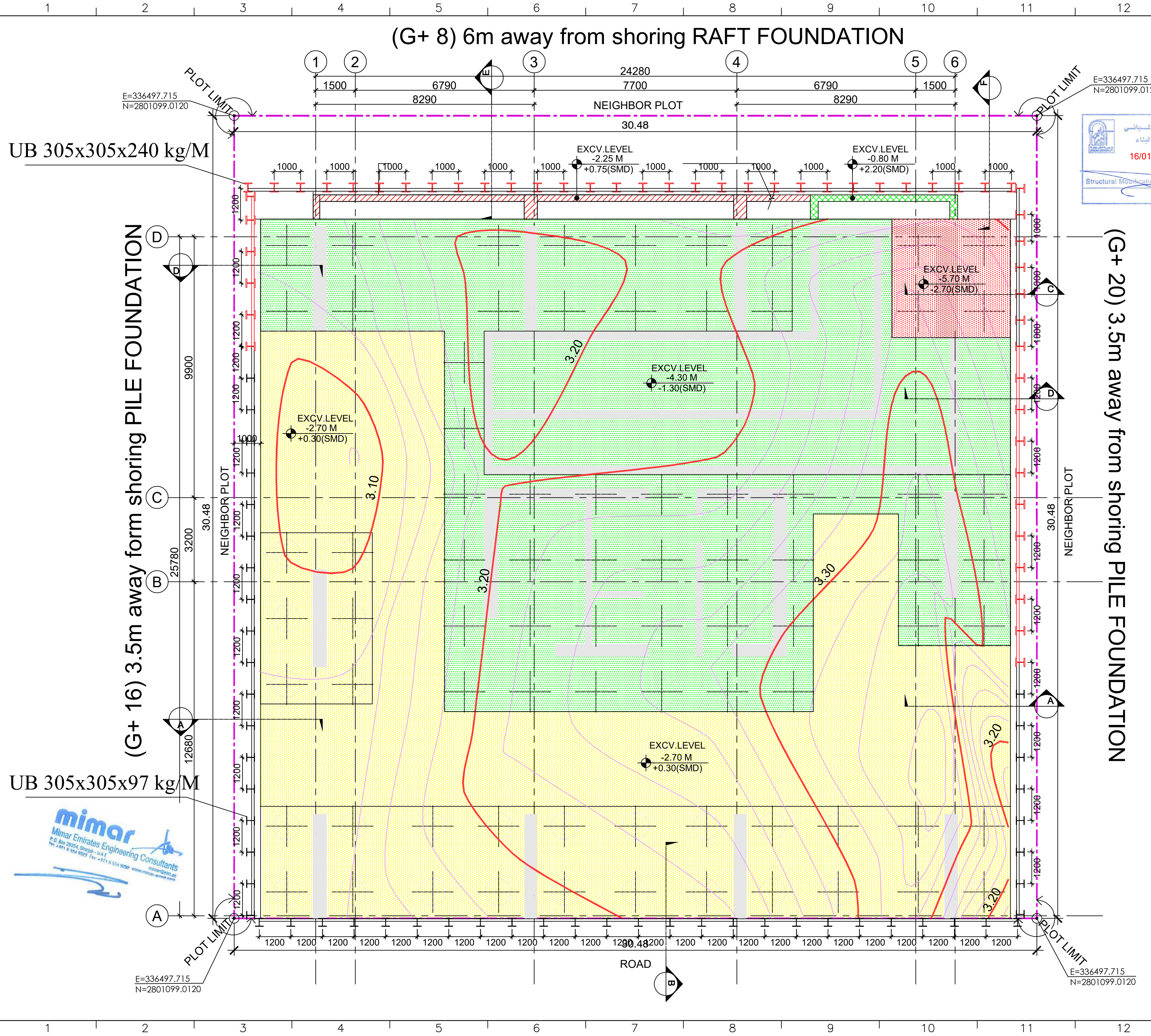
NO.	DATE	ENG.	REVISION
DESIGN CONSULTANT:			
TEL : +971 6 5737979 FAX : +971 6 5737779			
P.O. BOX : 1388, SHARJAH , UAE EMAIL : investment.shj@gmail.com			
www.investmentengineering.ae			

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

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

DWG. TITLE :
DEWATERING DRAWDOWN SECTIONS

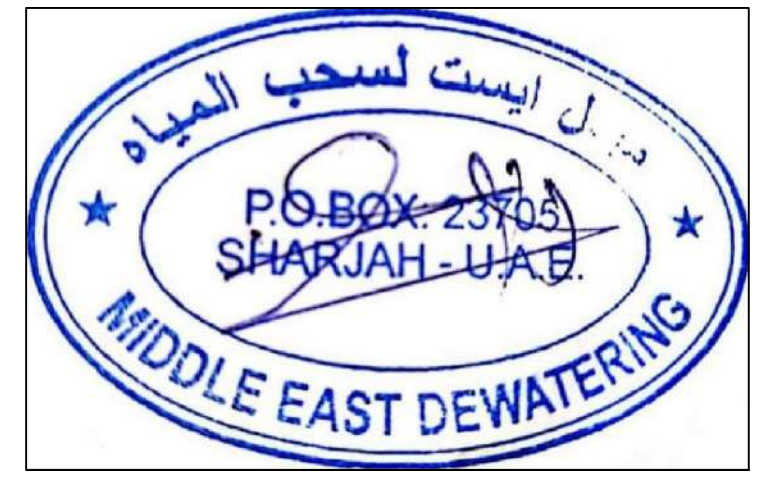
PLOT NO:-	MULK: 619 GOV: 550/A	BLOCK:- AL NABAA	
DESIGNED BY:- M.H	CORDINATED BY:-	APPROVED BY:- M.H	DRAWING NO. :-
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 11-2022	JOB NO. :-



- 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. ±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

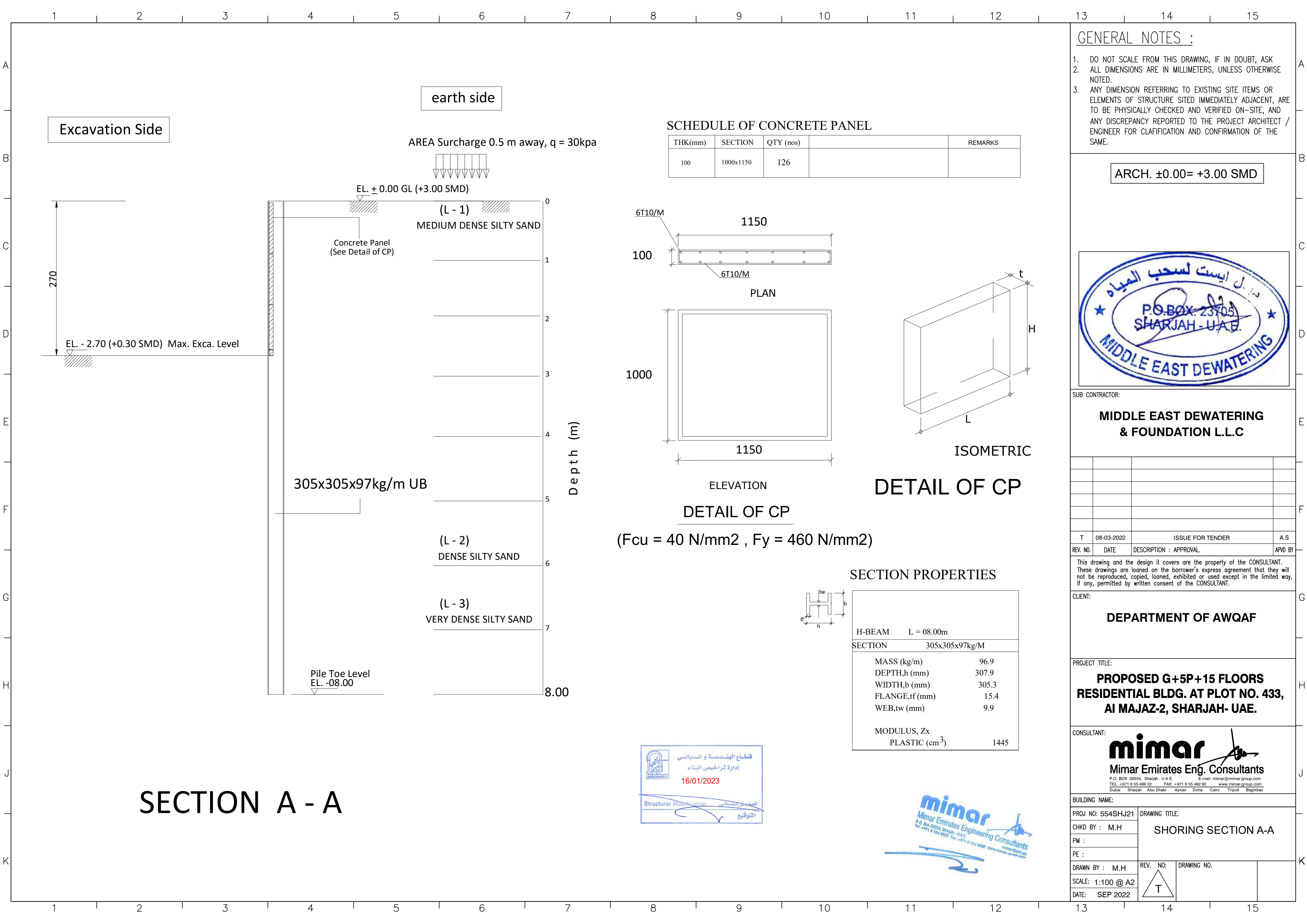
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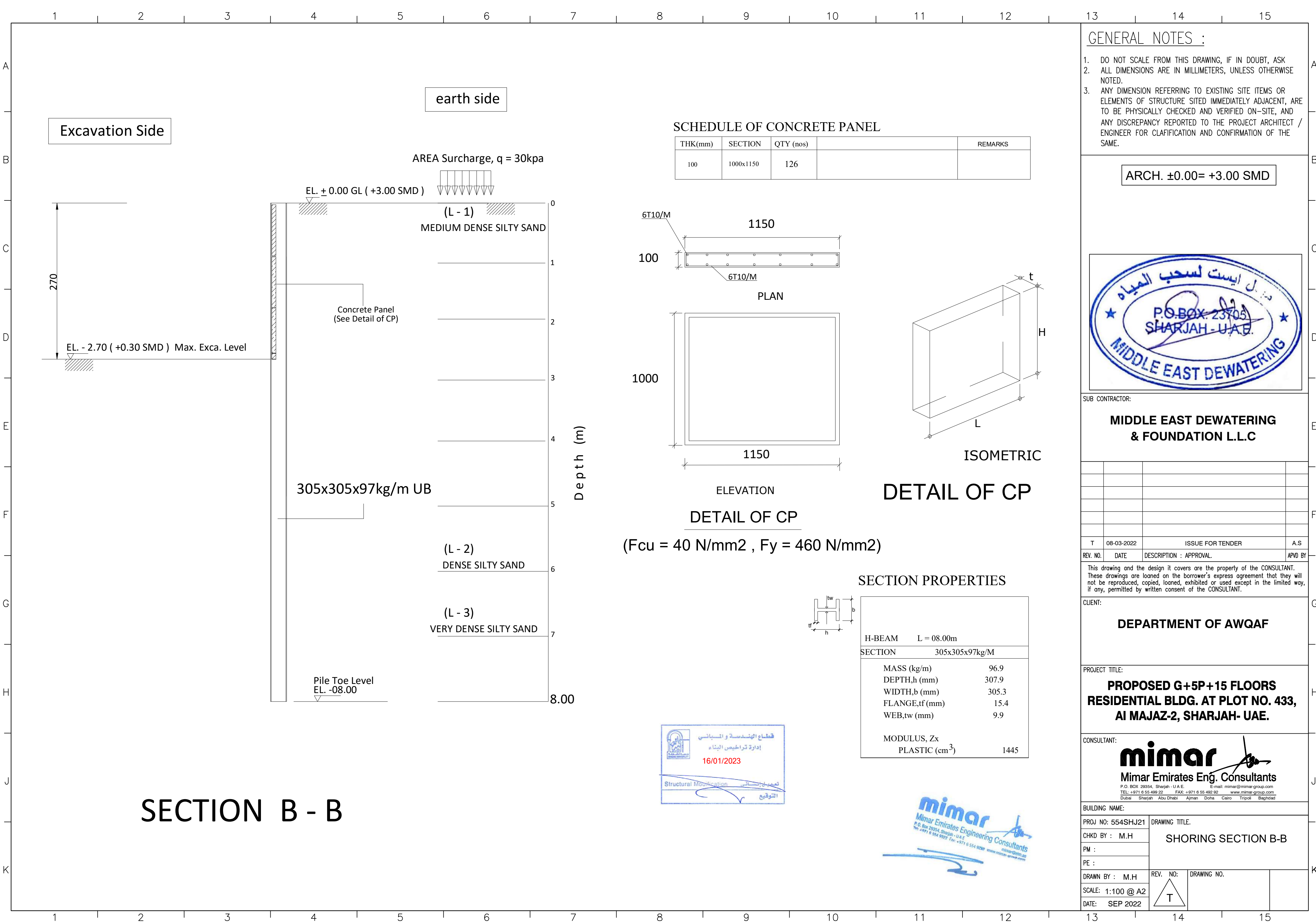
CLIENT:
DEPARTMENT OF AWQAF

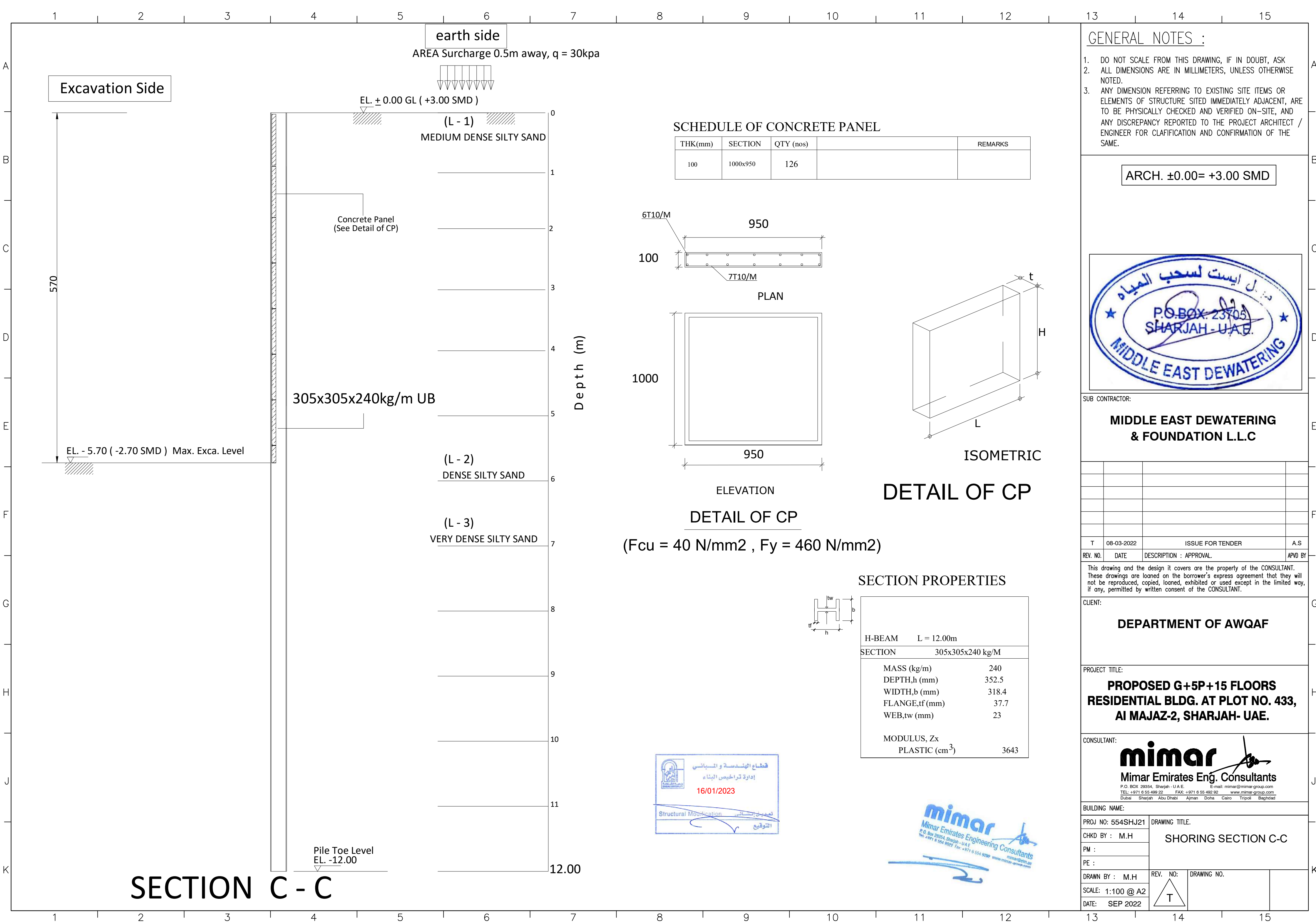
PROJECT TITLE:
**PROPOSED G+5P+15 FLOORS
RESIDENTIAL BLDG. AT PLOT NO. 433,
AI MAJAZ-2, SHARJAH- UAE.**

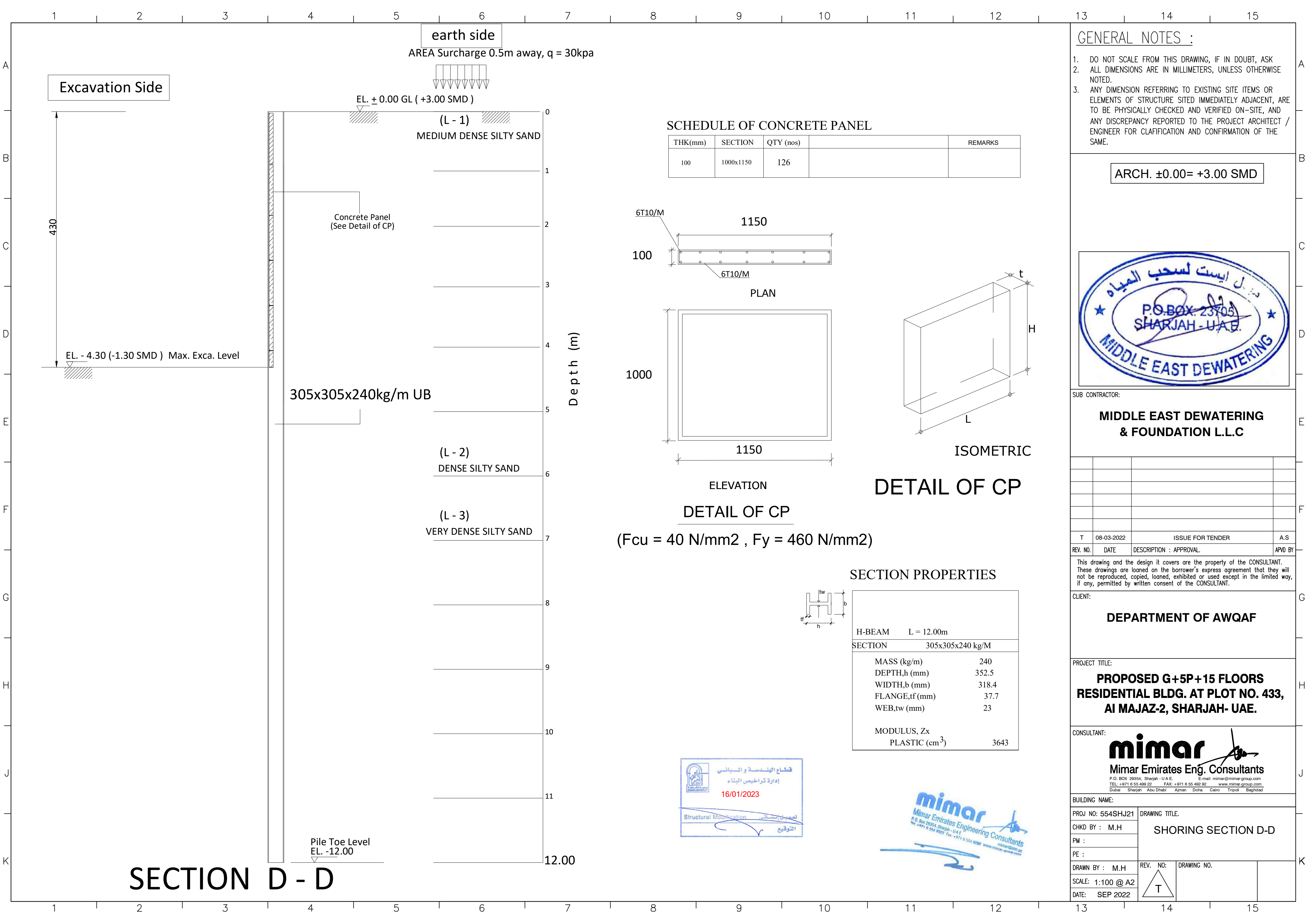
CONSULTANT:
mimar
Mimar Emirates Eng. Consultants
P.O. BOX: 28954, Sharjah - U.A.E. E-mail: mimar@mimar-group.com
TEL: +971 6 55 498 22 FAX: +971 6 55 492 92 www.mimar-group.com
Dubai Sharjah Abu Dhabi Ajman Doha Cairo Tripoli Baghdad

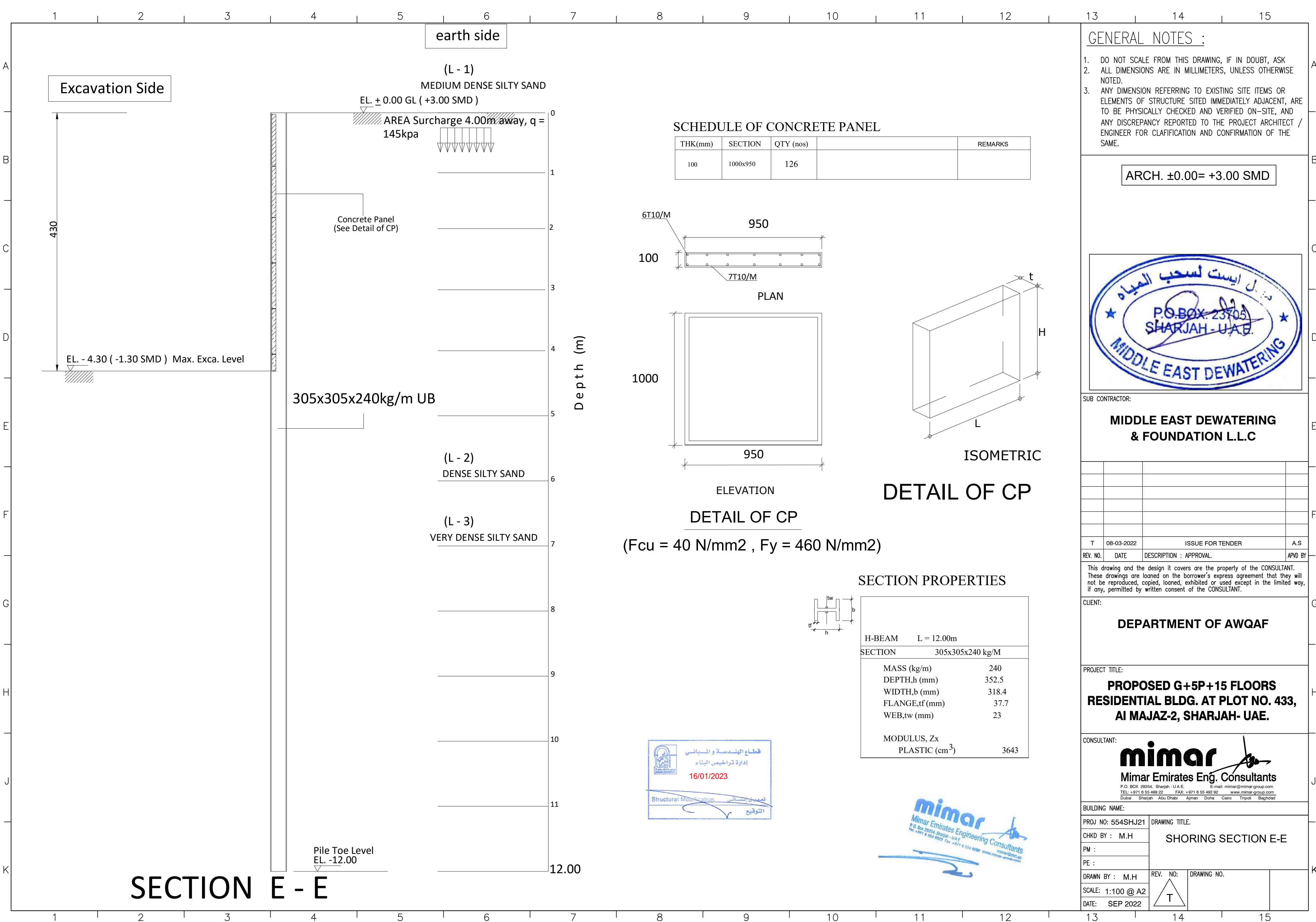
BUILDING NAME:		DRAWING TITLE:	
PROJ NO: 554SHJ21		SHORING LAYOUT	
CHKD BY : M.H			
PM :			
PE :			
DRAWN BY : M.H		REV. NO:	DRAWING NO.
SCALE: 1:100 @ A2			
DATE: SEP 2022			

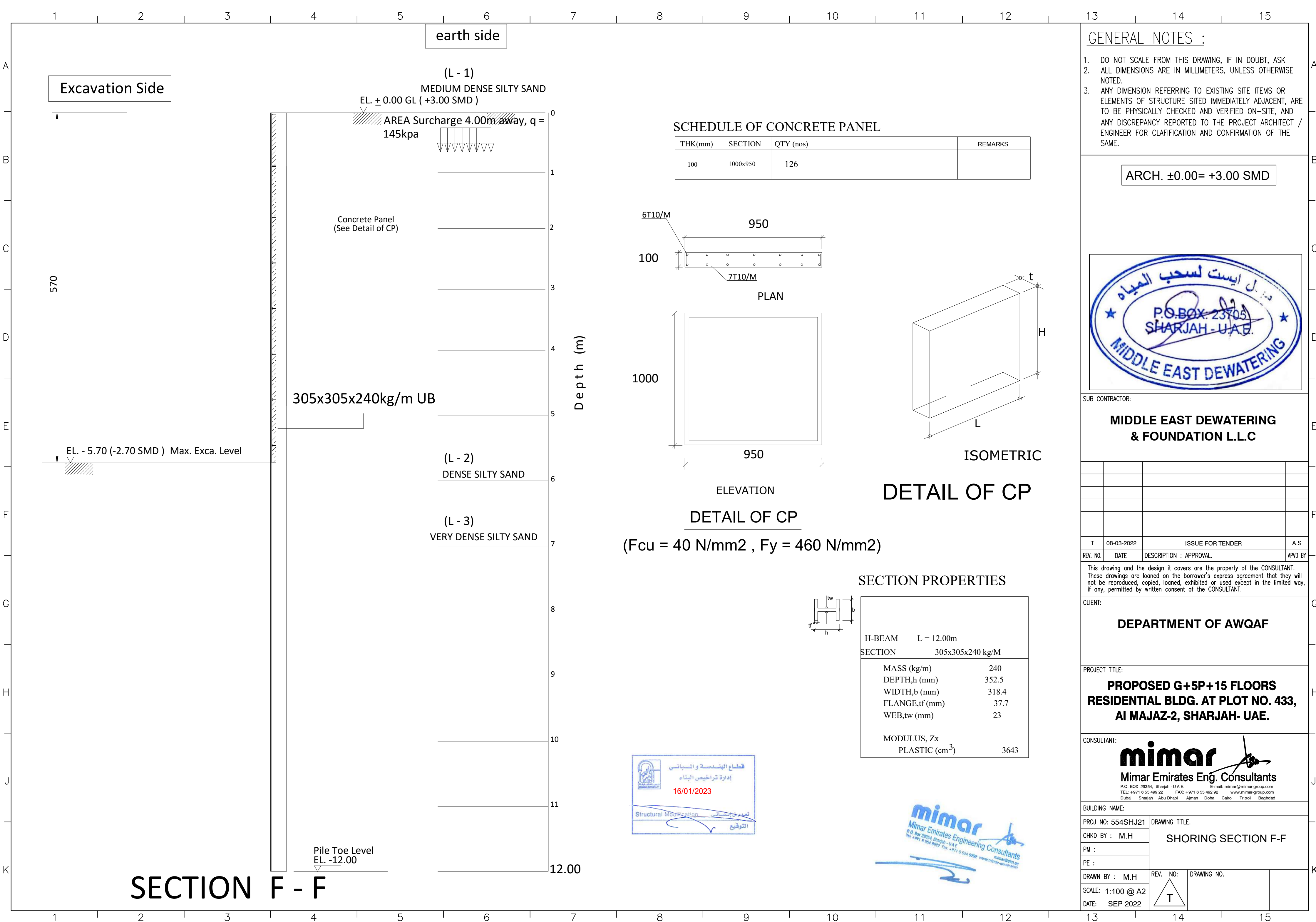


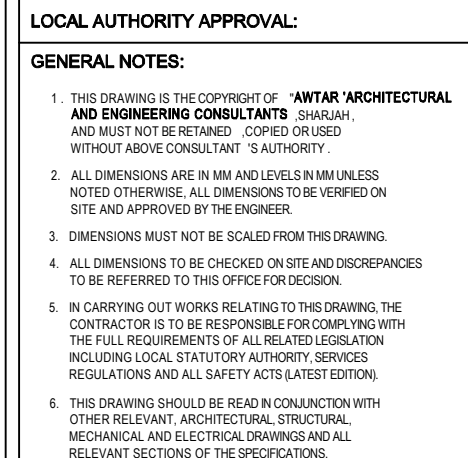












CLIENT:				

ARCHITECT:

 **Atrium**
ARCHITECTURAL & ENGINEERING CONSULTANCY

P O BOX 78308
DUBAI
UNITED ARAB EMIRATES

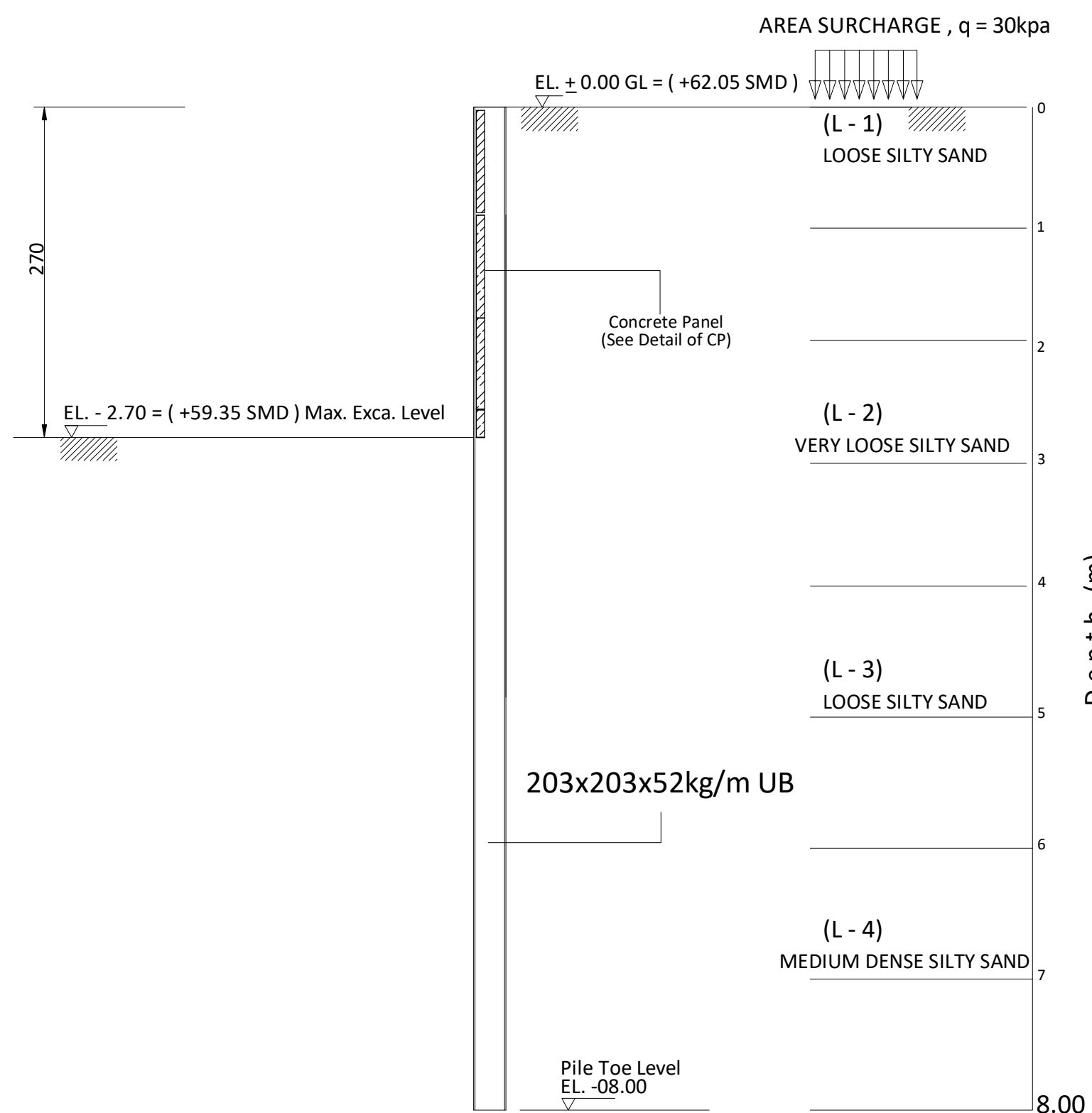
TEL: +971 (0) 4 5540100; FAX: +971 (0) 4 513014
Web site: www.atrimumuae.com
E-mail: atrimum@atrimumuae.com

1 UNIT = 10 mm WHEN PRINTED AT A2 SHEET SIZE

ISSUED FOR:

Excavation Side

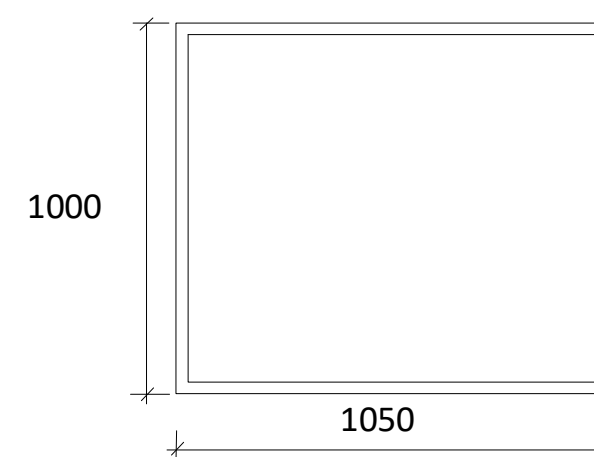
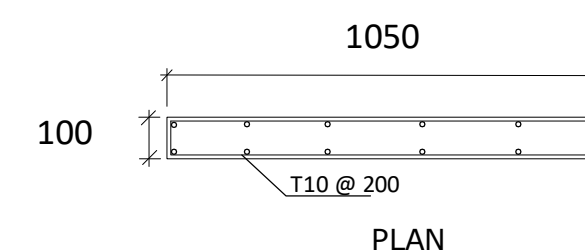
earth side



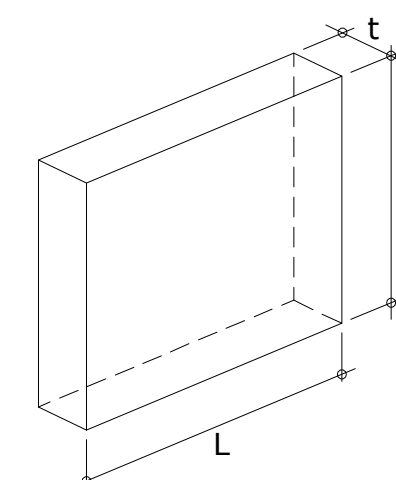
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1050		

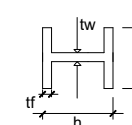


DETAIL OF CP

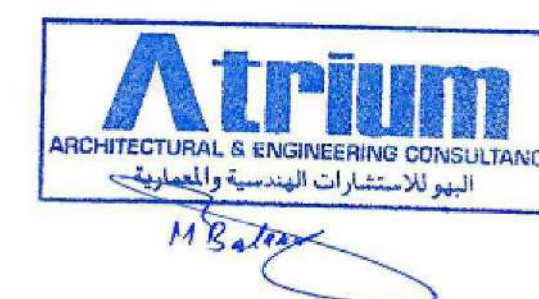


DETAIL OF CP

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



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 : 4935
TILAL / AL SUYOH - SHARJAH

ARCHITECT:



Atrium
ARCHITECTURAL & ENGINEERING CONSULTANCY

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	DATE	DATE
---------------	------	------

DESIGNED BY	STAGE	DATE
-------------	-------	------

DRAWN BY	SHEET SIZE	A2
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CHECKED BY	SCALE	1:100
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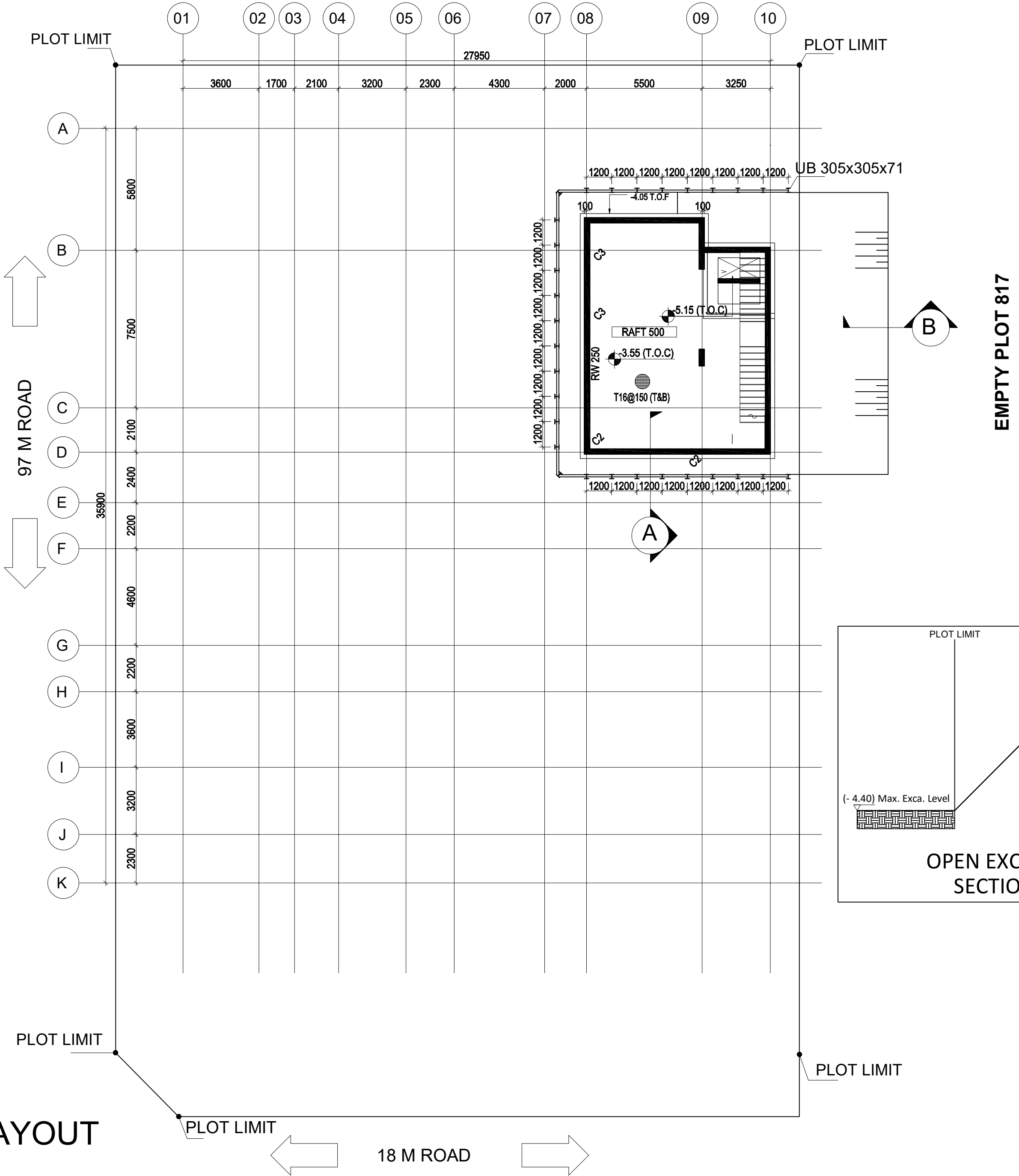
1 UNIT = 10 mm	WHEN PRINTED AT A2 SHEET SIZE	0 1 2 3 4 5
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DIVISION	SUB.GROUP	SHEET NUMBER	PROJECT No.
----------	-----------	--------------	-------------

			702
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ISSUED FOR:

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 EXISTING 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 CONCRETE SAND & LUTTER HEIGHTS BASED 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 LUTEL, 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 WALLWORKS/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 200MM 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 TYPE, SIZE & LOCATION (SLIDING/FOLDING ETC).
17- ALLOW GARD BLASTING PATTERN FOR ORCARE GLASS & STAINLESS STEEL PATCH FITTINGS CLEAR BALANCE.
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 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-SHAMSI

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

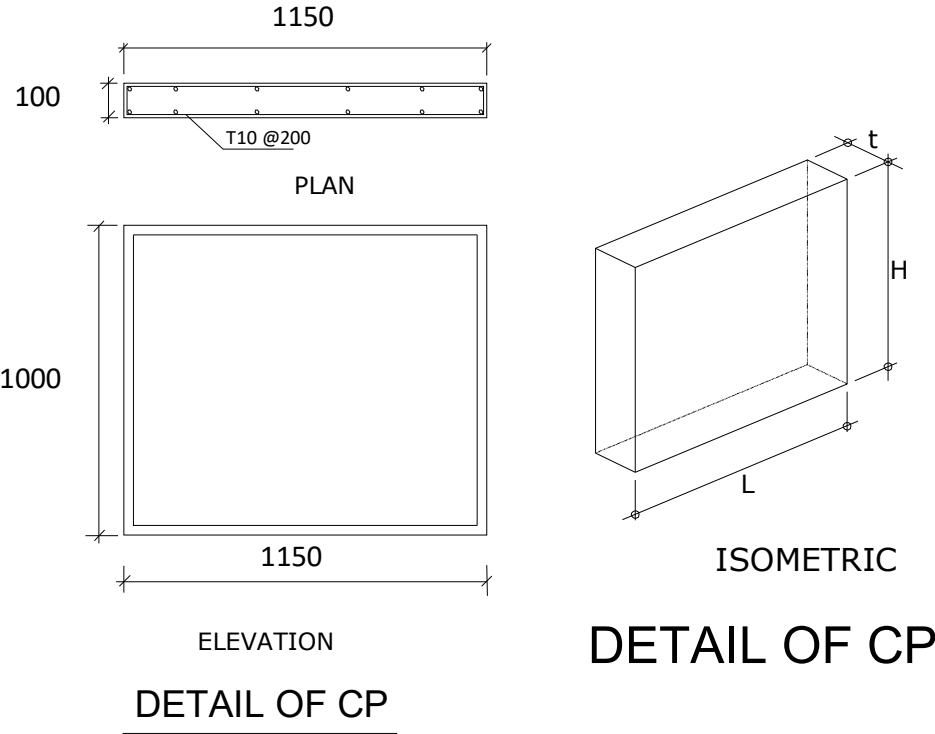
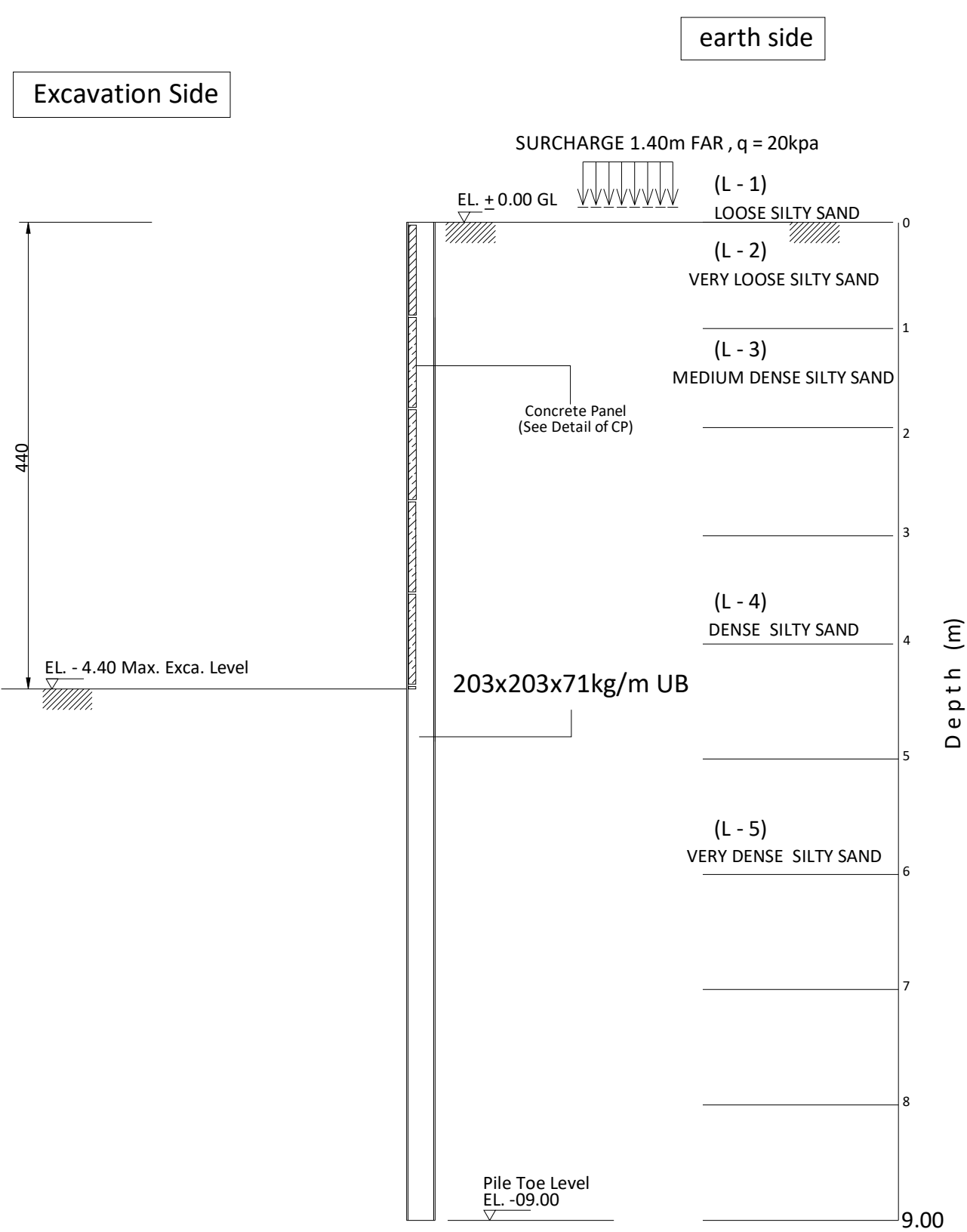
LOCATION : SHARJAH - AL SIYUOH			
ZONE : AL MOWRRADA 5		PLOT NO : 816	
PROJECT ID : 25-046		PLOT AREA : 1625	
SCALE : @ A2		SUBMISSION DATE : 01/08/2023	
DESIGNED BY :		CHECKED BY :	
Designer		Checker	
DRAWN BY :		AUTHOR :	
Author		Author	

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/BALKY 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 BARS 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 & 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 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: 06-52840000, F: 06-52840001, E: INFO@SHAPE.AE

ABDULLA ALI AL-SHAMSI

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

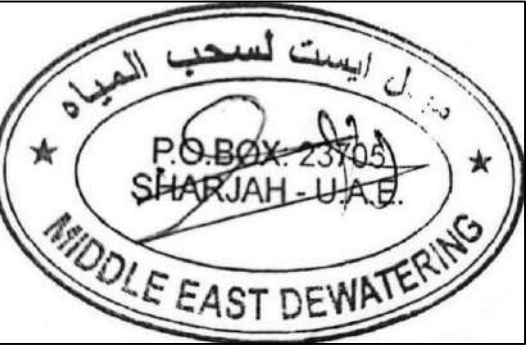
LOCATION :		SHARJAH - AL SIYUOH	
ZONE :	AL MOWRRADA 5	PLOT NO :	816
PROJECT ID :	25-046	PLOT AREA :	1625
SCALE :	@ A2	SUBMISSION DATE :	01/08/2023
DESIGNED BY :	DRAWN BY :	CHECKED BY :	
Designer	Author	Checker	

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:

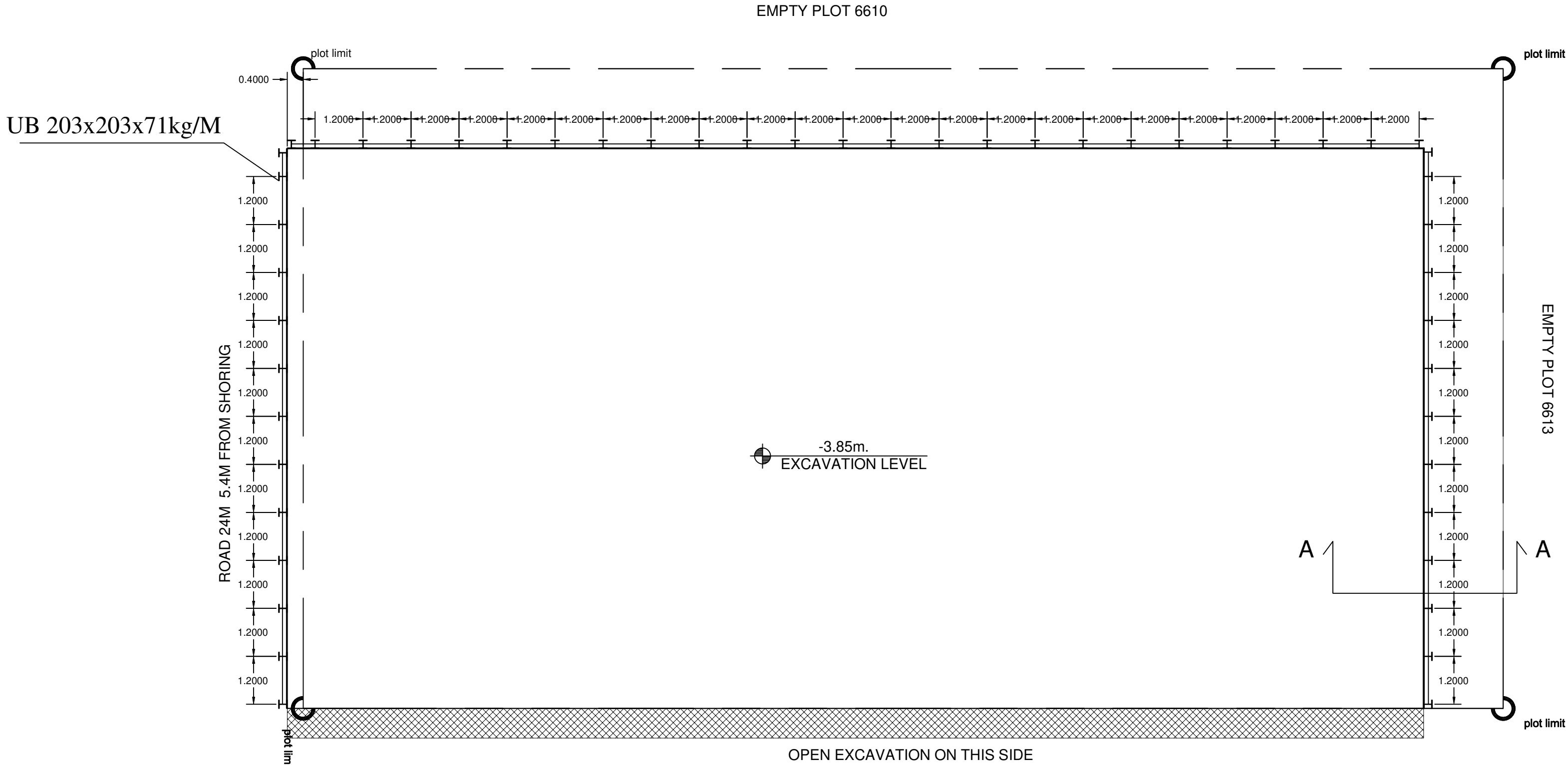
Mr. Ali Jassim Ali Abdulla Almazrouei .
Mr. Mohammed Ateeq Alzafna Khamis Almarar.

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

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

EL. + 0.00 GL

(L - 1) 
MEDIUM DENSE SILTY SAND

(L - 2)
DENSE SILTY SAND

(L - 3)
VERY DENSE SILTY SAND

Concrete Panel
(See Detail of CP)

203x203x71kg/m UB

Pile Toe Level
EL. -08.00

SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			

PLAN

1000

Technical drawing of a rectangular plate. The width is labeled as 1150 and the height is labeled as 1150. The drawing shows a double-line border around the perimeter of the rectangle.

ELEVATION

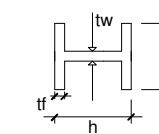
DETAIL OF CP

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 hidden edges.

ISOMETRIC

DETAIL OF CP

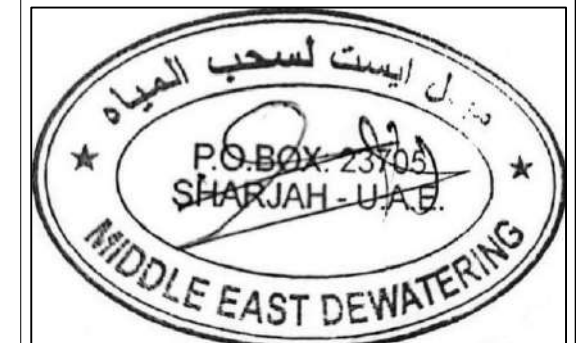
SECTION PROPERTIES



	
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 SCALE.
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 THE 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

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	REF. NO.
NO.		DATE	
R E V I S I O N S			



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

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:



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 :

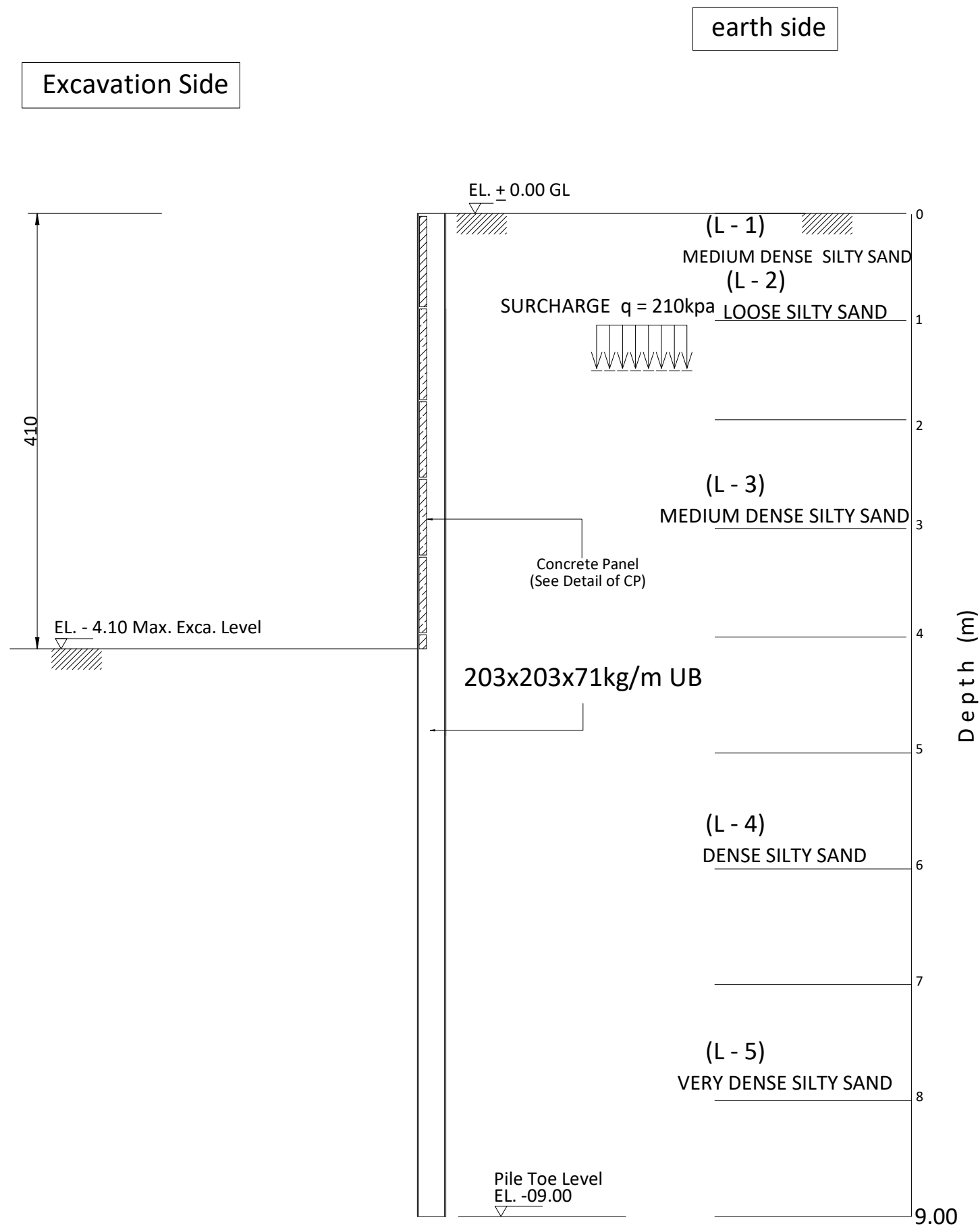
SHORING LAYOUT

PLOT NO:-	MULK	476	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			



ISOMETRIC
DETAIL OF C

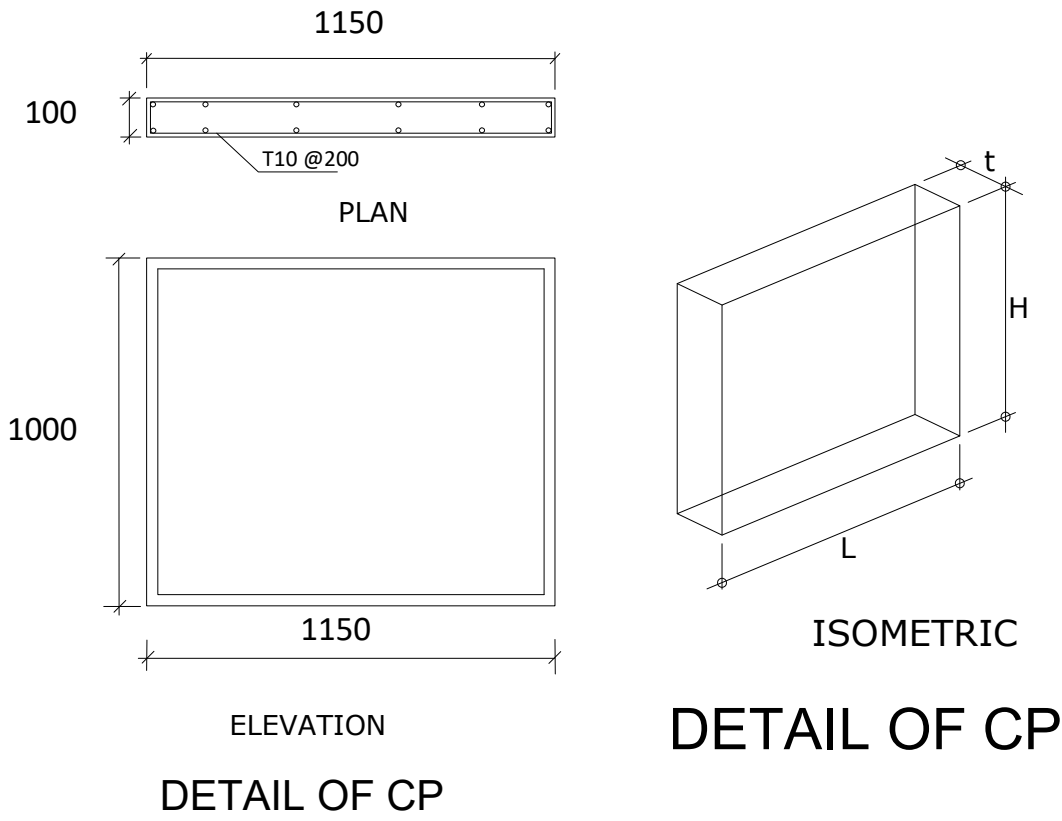
PLOT NO:-	MULK	476	BLOCK:-	AL MAJAZ 2
	GOV.	363		
DESIGNED BY:- M.H	COORDINATED BY:-		APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:- 1/100		DATE:- 2023	JOB NO. :-
	SHEET SIZE: A2			



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 :

- 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

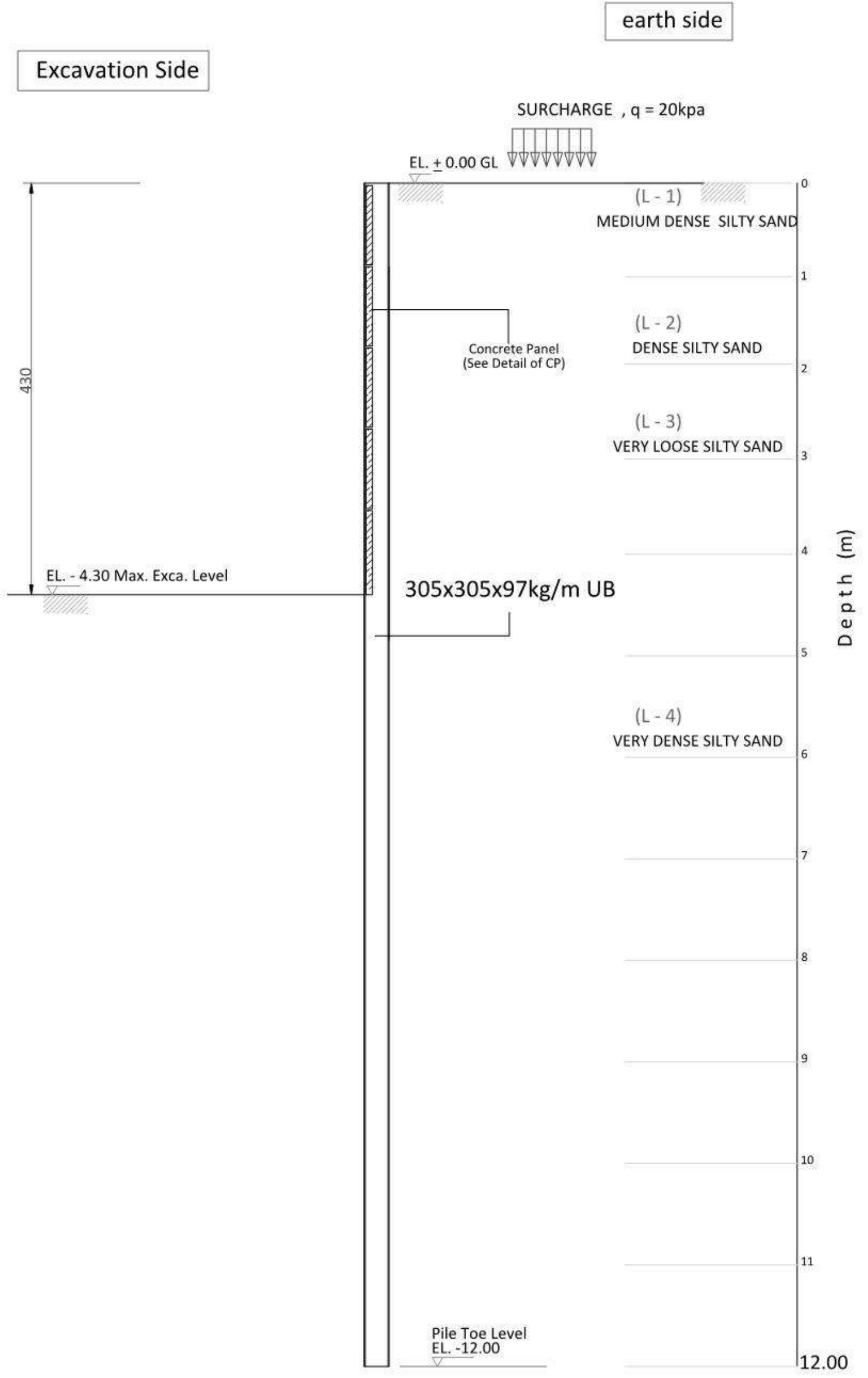
NO.	DATE	ENG.	REVISION
DESIGN CONSULTANT:			
الاستثمار INVESTMENT Engineering Consultancy			
TEL : +971 6 5737979 FAX : +971 6 5737779			
P.O.BOX : 1388, SHARJAH , UAE			
www.investmentengineering.ae EMAIL : investment.shj@gmail.com			

CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

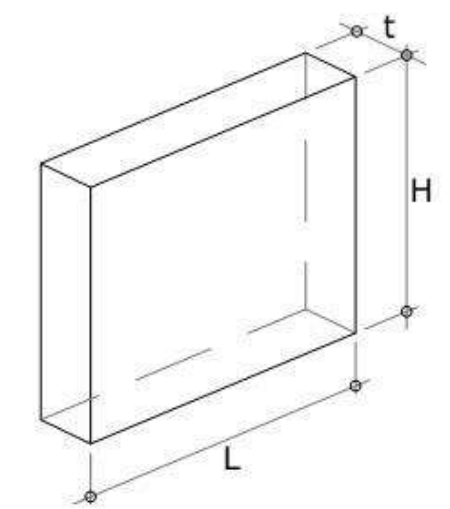
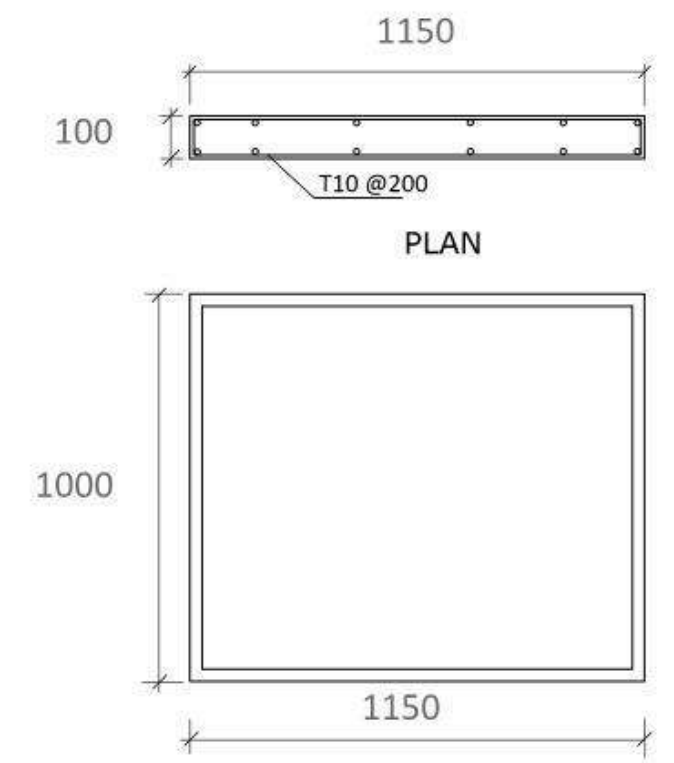
DWG. TITLE :
SHORING SECTION B

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. :-	



SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



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,t _f (mm)	15.4
WEB,t _w (mm)	9.9
MODULUS, Z _x	
PLASTIC (cm ³)	1445

SECTION A - A

GENERAL NOTES:

- 1. THIS DRAWING IS THE PROPERTY OF SHAPE AND NOT BE LOANED, COPIED, REPRODUCED OR USED WITHOUT THE CONSULTANT'S WRITTEN AUTHORITY.
- 2. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND ALL RELEVANT DRAWINGS.
- 3. DIMENSIONS ARE NOT TO BE SCALE FROM THIS DRAWING. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT AND THEIR SUB CONTRACTS ARE TO COMPLY WITH ALL RELEVANT CODES OF PRACTICE AND NORMS LATEST TO DATE AND INCLUDING ANY AMENDMENTS FOR AUTHORITY REQUIREMENTS AND NOT BE EXCEPTED BY THE WORKS.
- 4. ANY PROPOSED CHANGES TO THIS DRAWING MUST BE APPROVED BY THE ARCHITECT OF RECORD AND THE CONSULTANT'S WRITTEN AUTHORITY IS REQUIRED. ANY CHANGES SHOULD BE PROVIDED TO THE ARCHITECT OF RECORD AND THE CONSULTANT'S WRITTEN AUTHORITY IS REQUIRED.

SUB CONSULTANTS:

ARCHITECT OF RECORD:

CIVIL CONSULTANT:

INTERIOR DESIGN CONSULTANT:

STRUCTURAL CONSULTANT:

KEY PLAN / AUTHORITY STAMP:

14-12-2023

Structural Modification

تعديل الإنشائي

إدارة تراخيص البناء

قطاع الهندسة والمباني

14-12-2023

توقيع

م.ع.د. 23703

SHARJAH - U.A.E.

MIDDLE EAST DEWATERING

SUB CONTRACTOR:

MIDDLE EAST DEWATERING & FOUNDATION L.L.C

NO. DESCRIPTION DATE

REVISION HISTORY

CONSULTANT:

SHAPE

SHAPE

TEAM BUSINESS CENTER, SUITE 201, SHARJAH, UNITED ARAB EMIRATES

P.O. BOX, (SHARJAH), P.O. BOX, (SHARJAH), P.O. BOX, (SHARJAH)

ABDULLA ALI AL-SHAMSI

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:

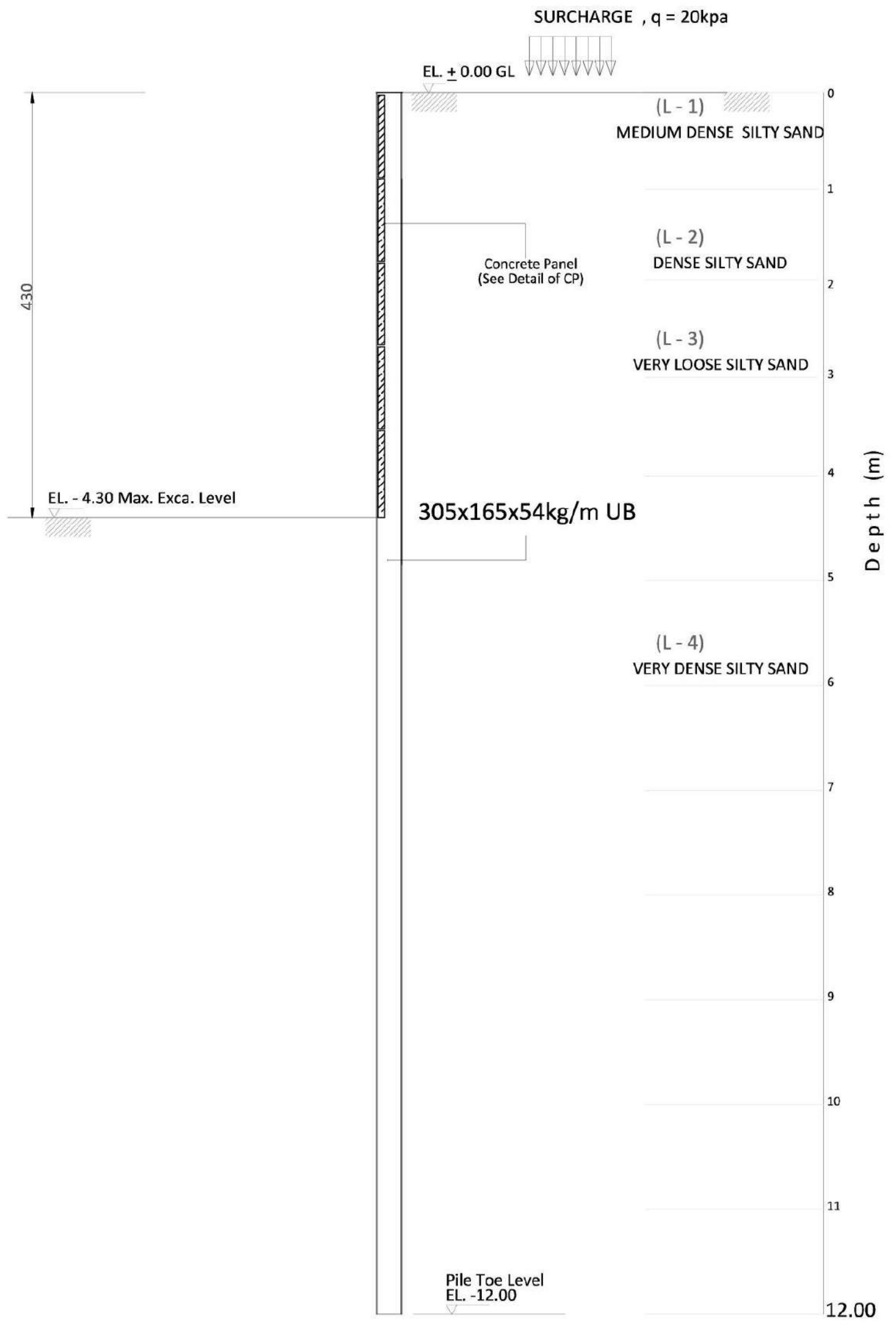
SHORING SECTION A

DRAWING NO. REV:

00

Excavation Side

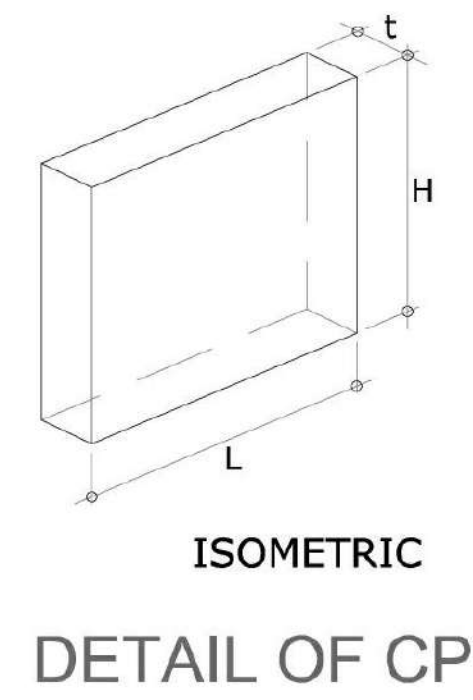
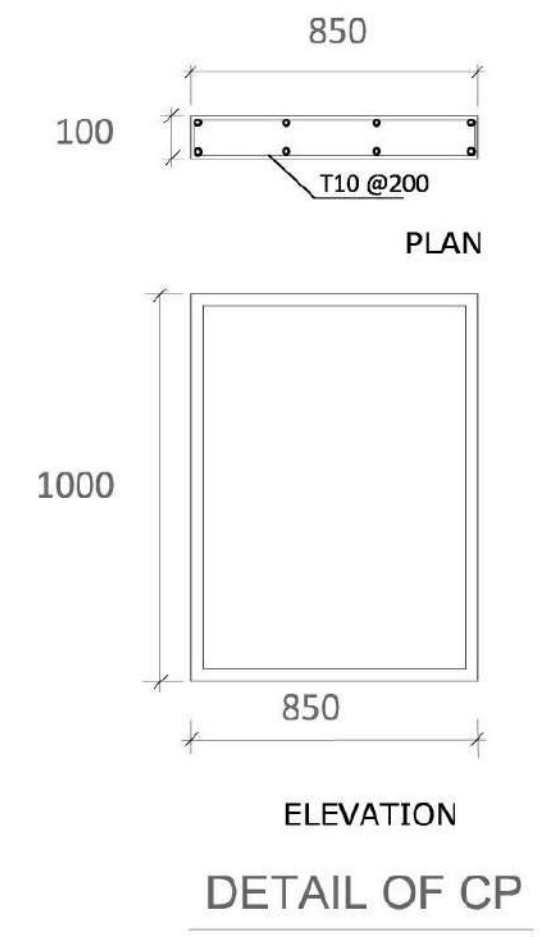
earth side



SECTION B - B

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

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 DRAWINGS. 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 DRAWINGS AND THE SITE CONDITIONS OR BETWEEN THE DRAWINGS AND OTHER CONSULTANTS OR SUPPLIERS DRAWINGS SHALL BE REPORTED TO THE ARCHITECT AS SOON AS POSSIBLE. 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

تعديل إنشائي

التوقيع

د. وليد سعيد الميهدي

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

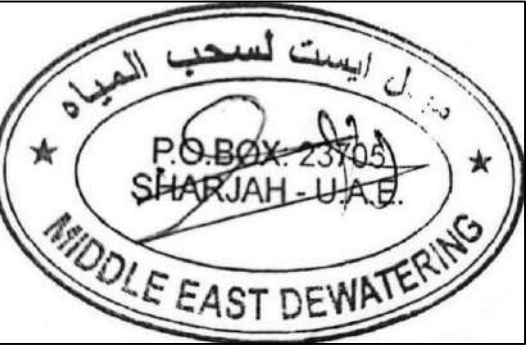
DRAWING TITLE :

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.
 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:

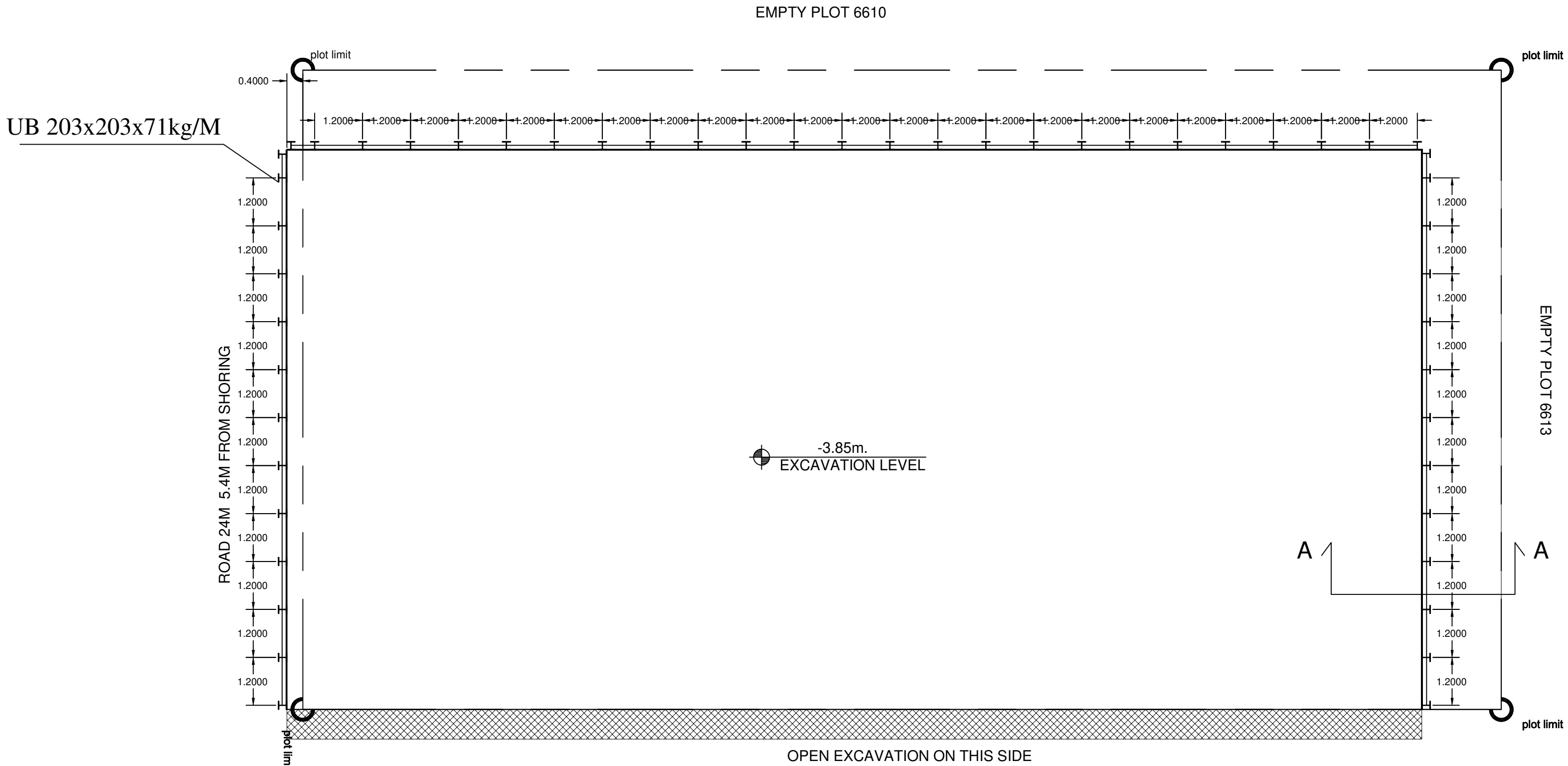
Mr. Ali Jassim Ali Abdulla Almazrouei .
Mr. Mohammed Ateeq Alzafna Khamis Almarar.

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	R E V I S I O N S	



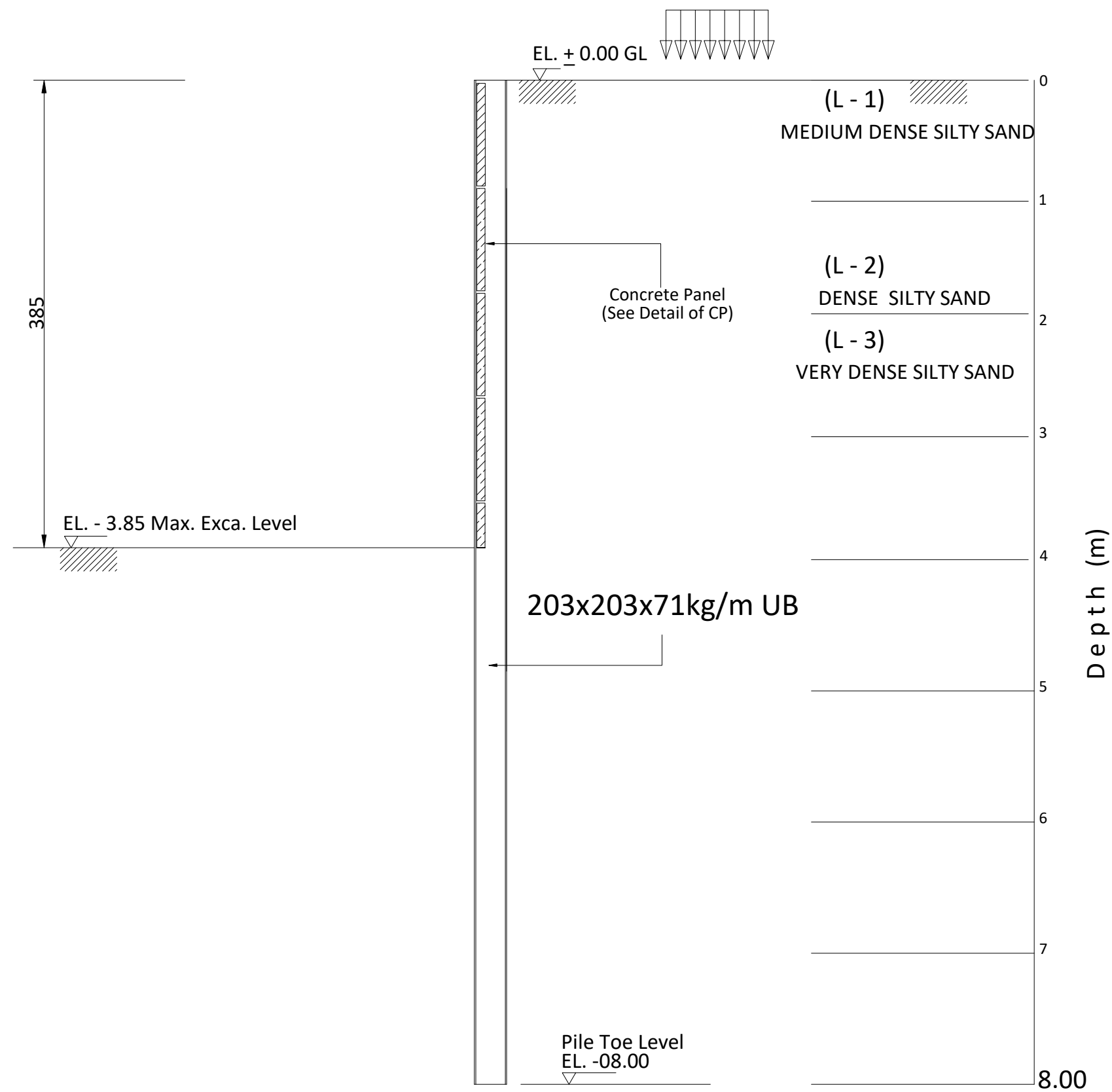
SHORING & EXCAVATION LAYOUT
SCALE : 1-100



Excavation Side

earth side

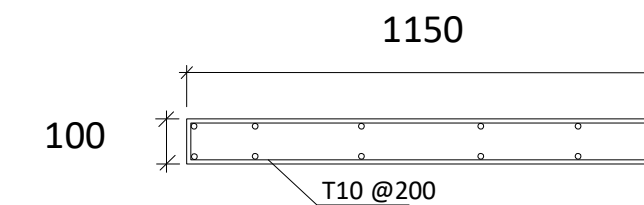
SURCHARGE 5.40M FROM SHORING , $q = 25\text{kpa}$



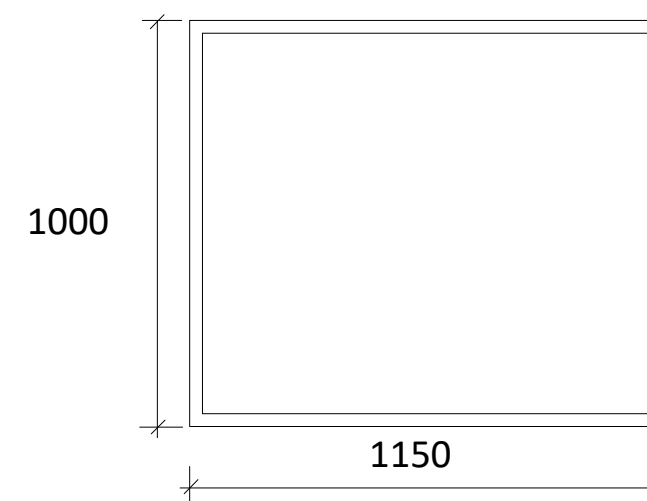
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			

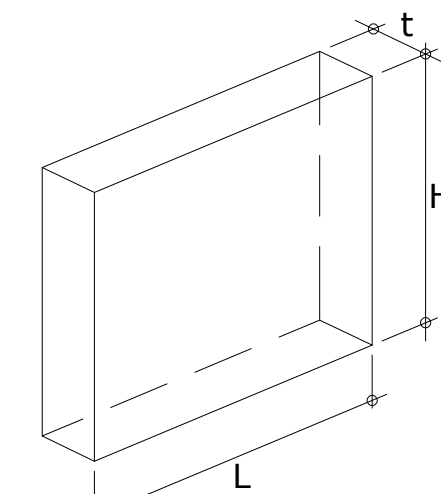


PLAN



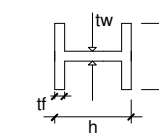
ELEVATION

DETAIL OF CP



ISOMETRIC
DETAIL OF CP

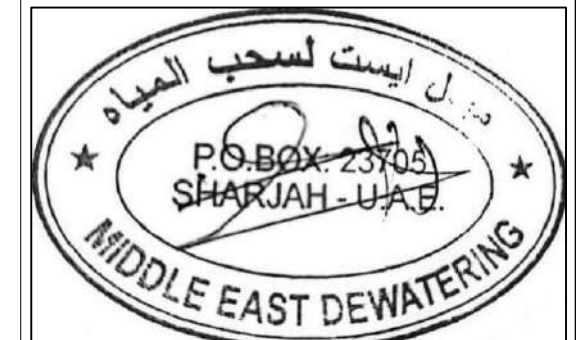
SECTION PROPERTIES



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,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 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%)**

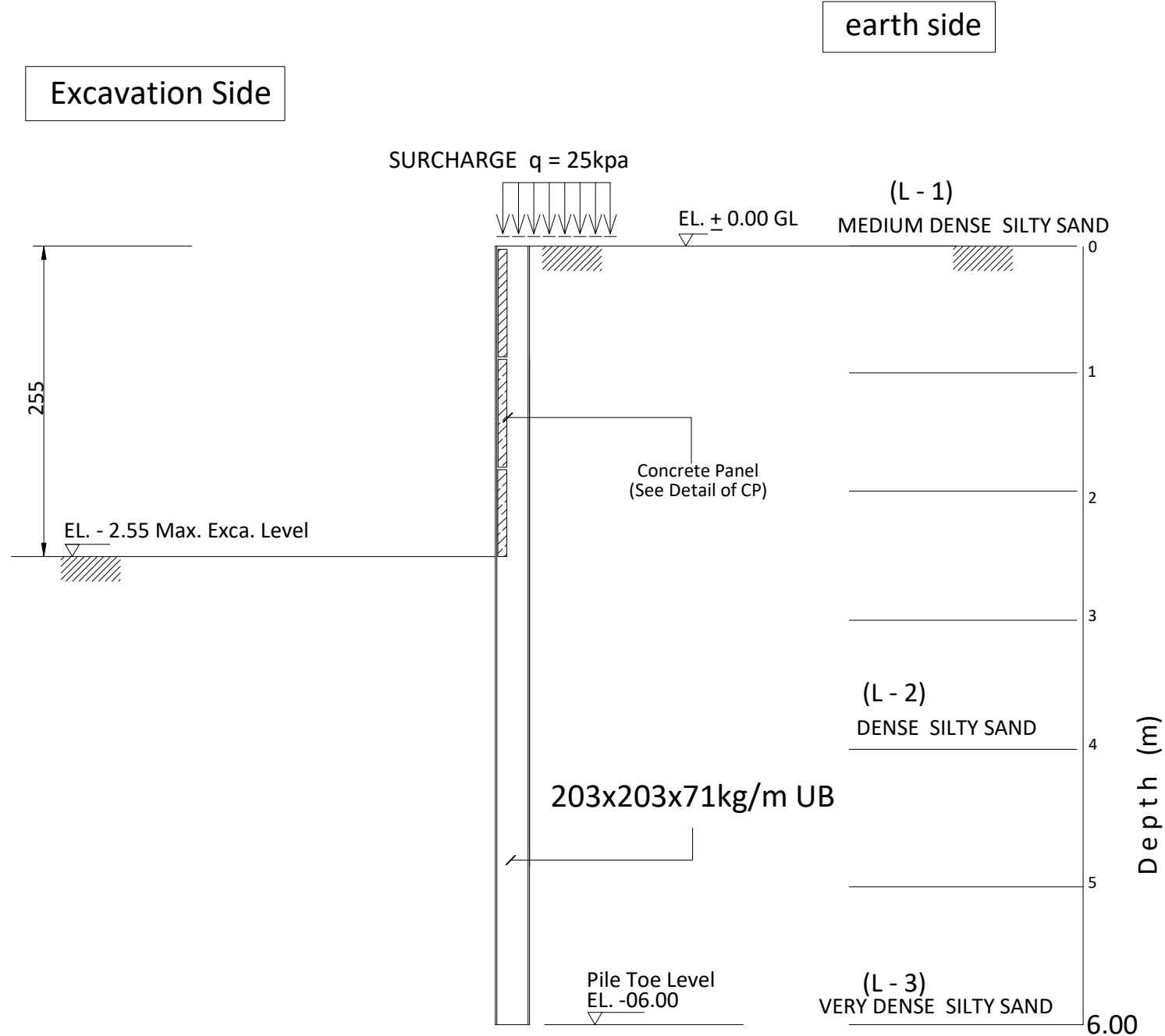
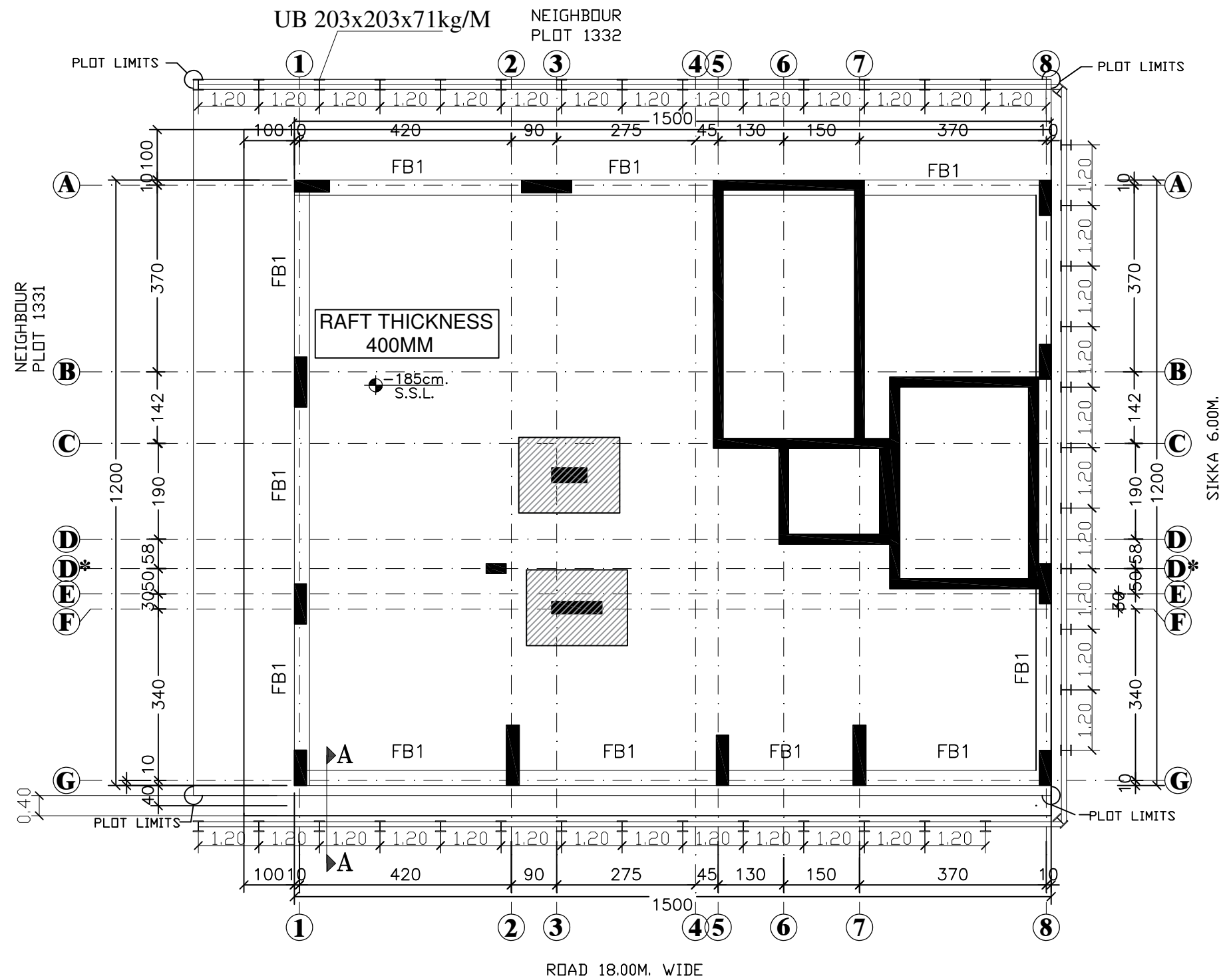
PROJECT LOCATION:

GOV NO. 6612
MULK NO. 233/3197

SHEET CONTENT:

SHORING SECTION DETAIL

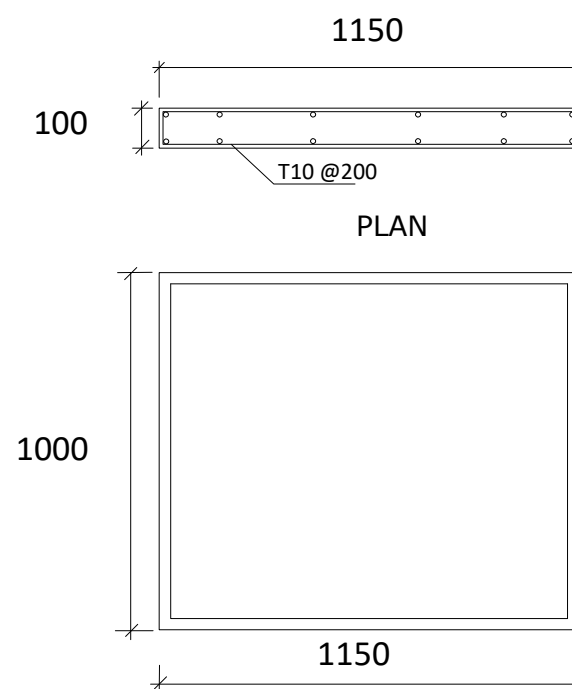
HEAD OF DESIGN SECTION		HEAD OF ENGINEERING SECTION	
ARCH. DESIGNED BY		T. P. CREATED BY REVIT	
STRUCT. DESIGNED BY ENG. MAHMOOD HOUSNI			
ELEC. DESIGNED BY		MUN. CREATED BY REVIT	
SERVICES DESIGNED BY			
Project NUMBER: 4101		DRAWING NUMBER: S-07	
DATE 20/07/2023		SCALE 100	REF. NO.
NO.	DATE	REVISIONS	



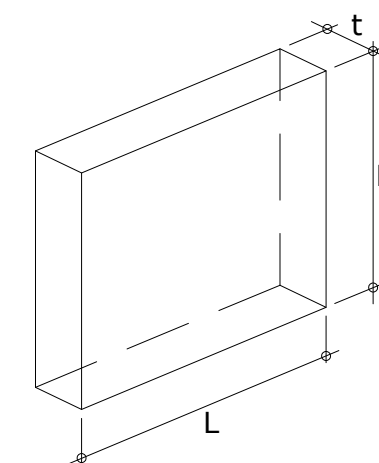
SECTION A - A

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

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

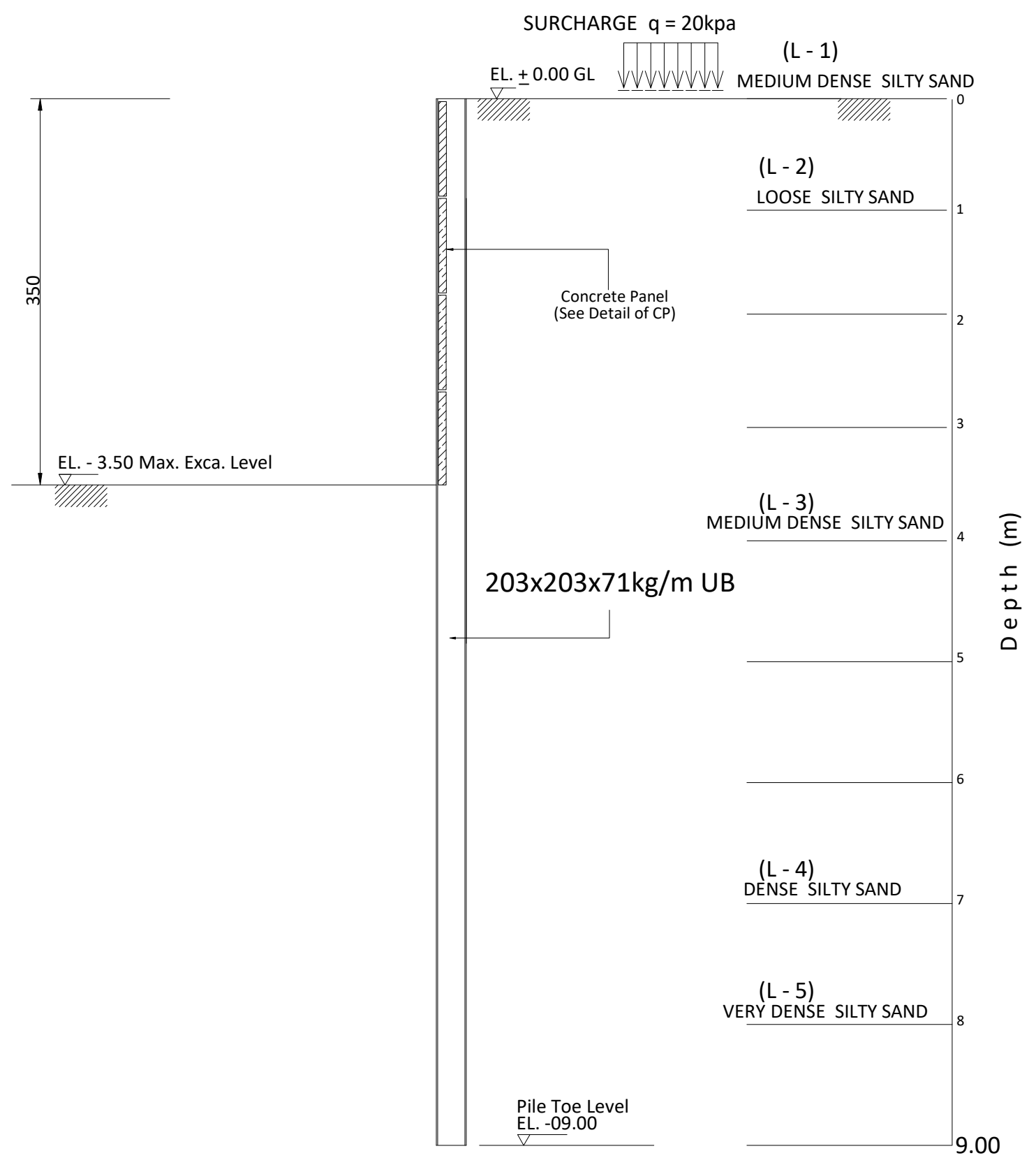
الموضوع : تعمد

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



Excavation Side

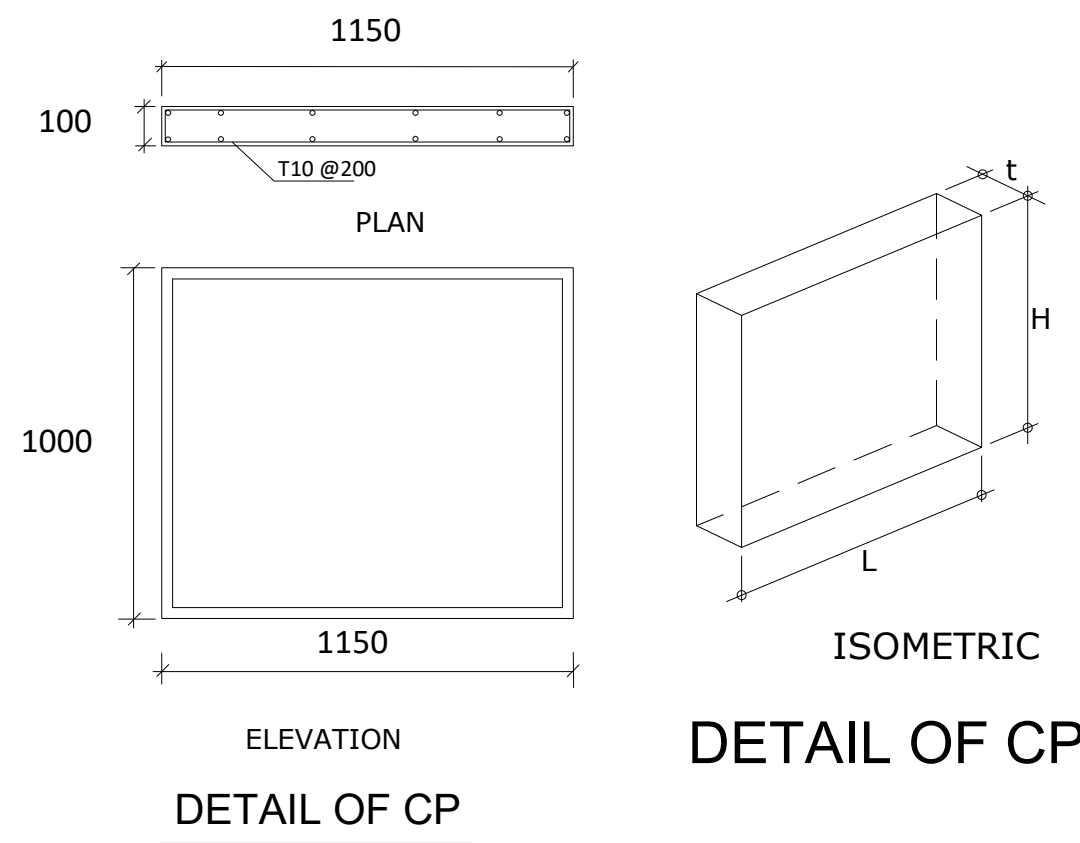
earth side



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



يجب ان تتم اعمال 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,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.
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MIDDLE EAST DEWATERING & FOUNDATION L.L.C

ENMAA ENG. CONSULTANTS LLC

CLIENT
MOHAMED RASHED MUBARAK SALEM ALKETBI

PROPOSED PROJECT
PROPOSED BUILDING(G+3)

PLOT LOCATION 6705
SECTOR : AL MUWAILAH

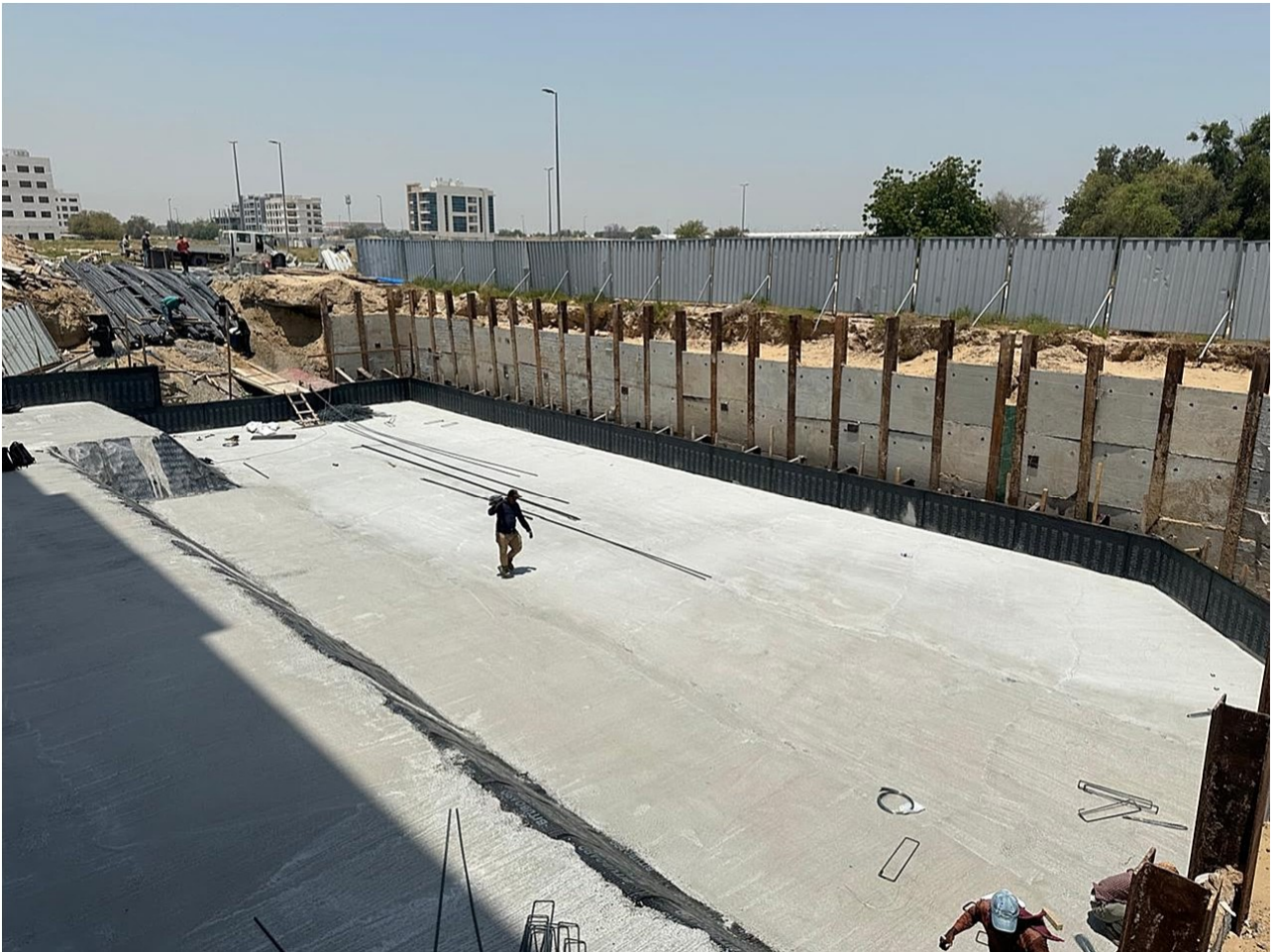
SHEET CONTENT
SHORING SECTION

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.	

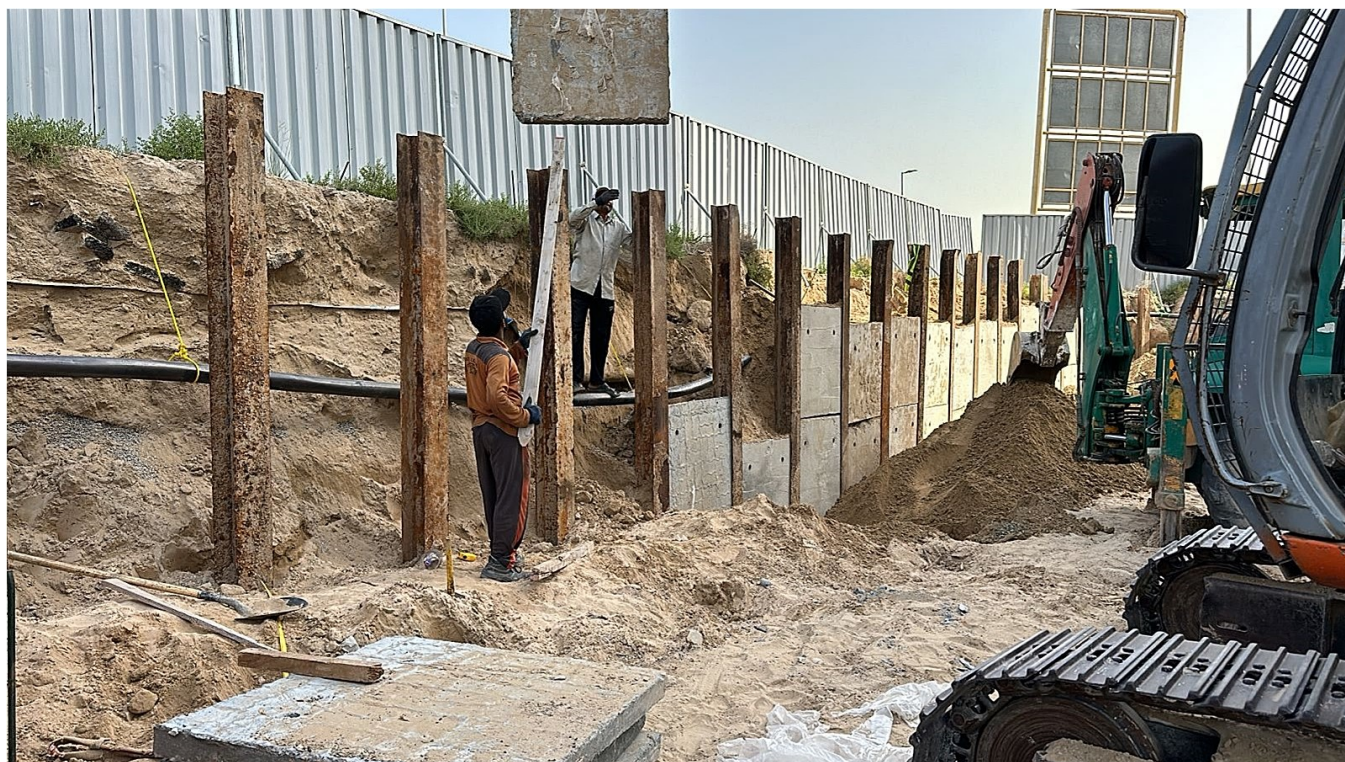
JOB NO:1191	DRWG. NO : S-06	
DATE	SCALE	REF. NO.
NO.	DATE	REVISIONS

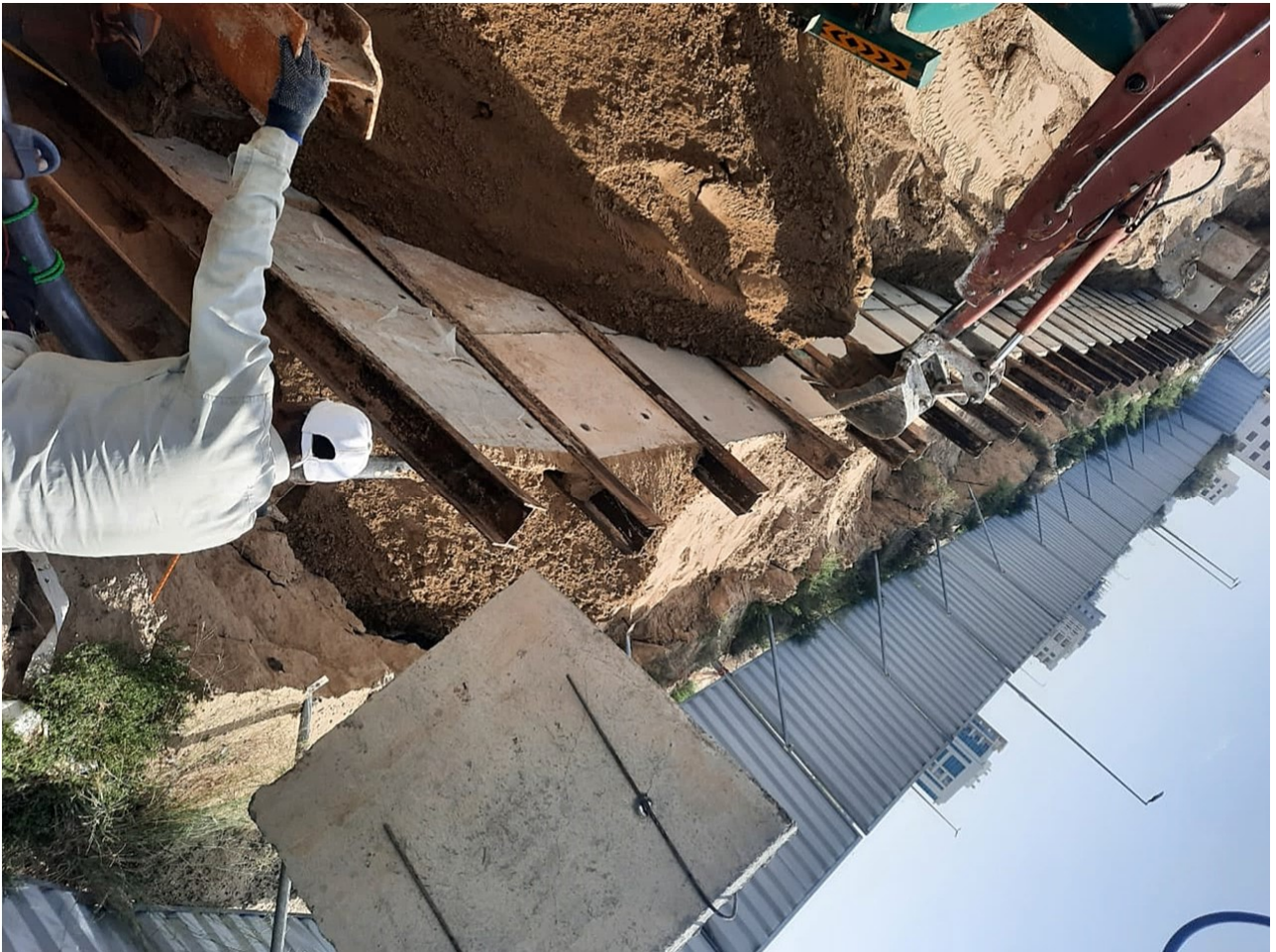












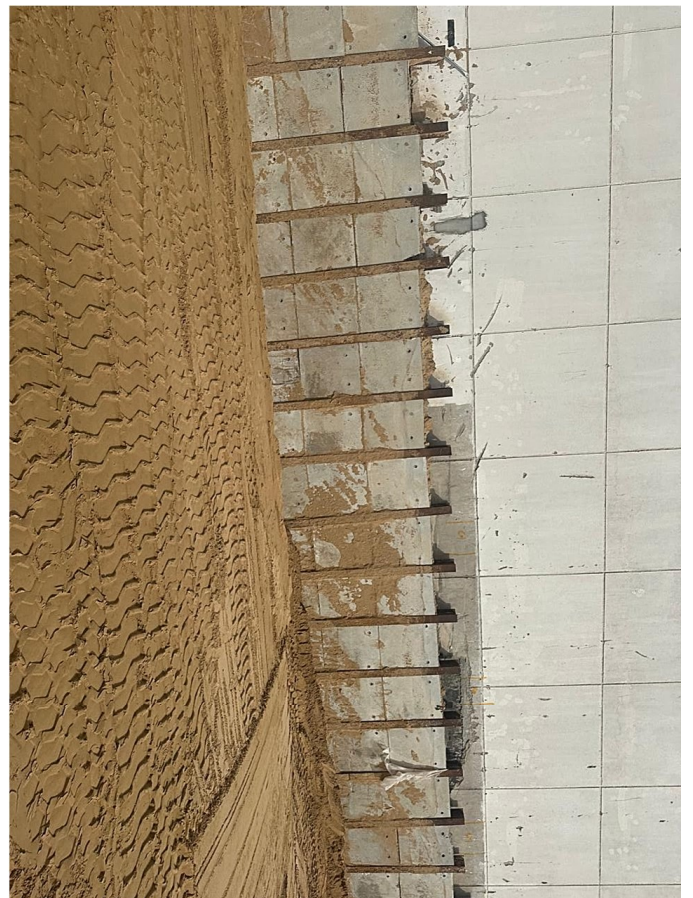




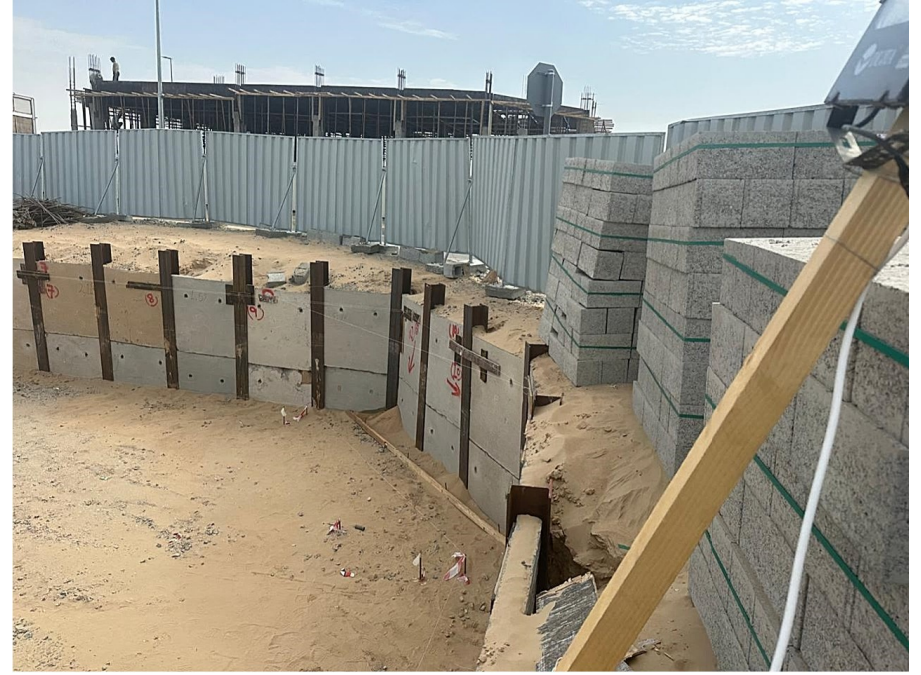




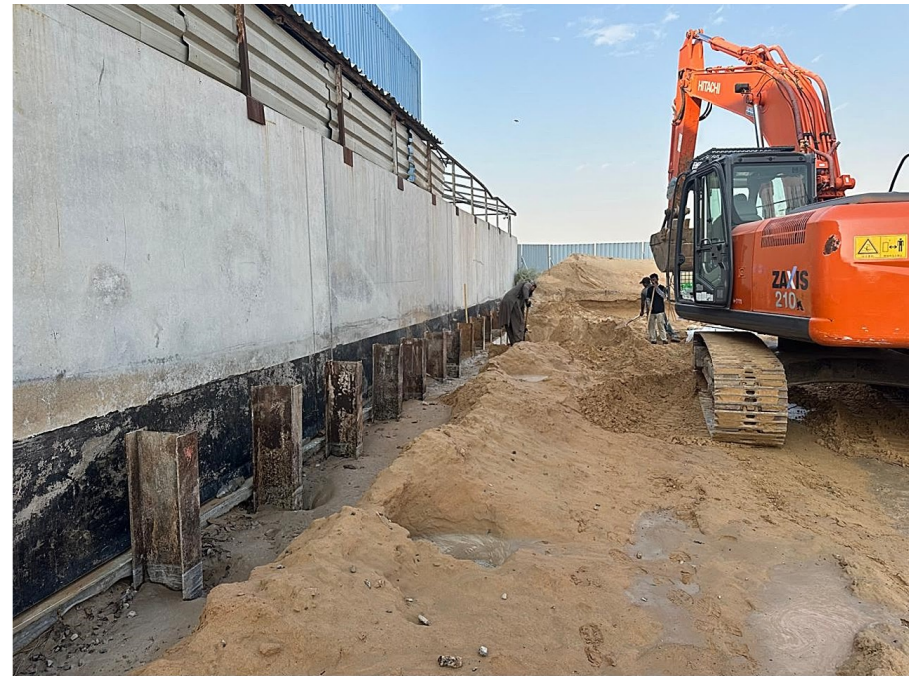






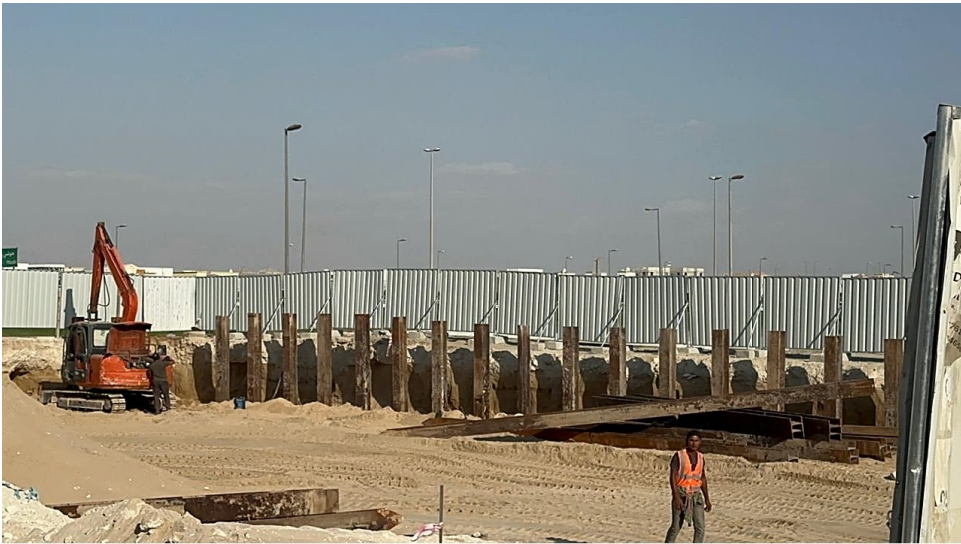














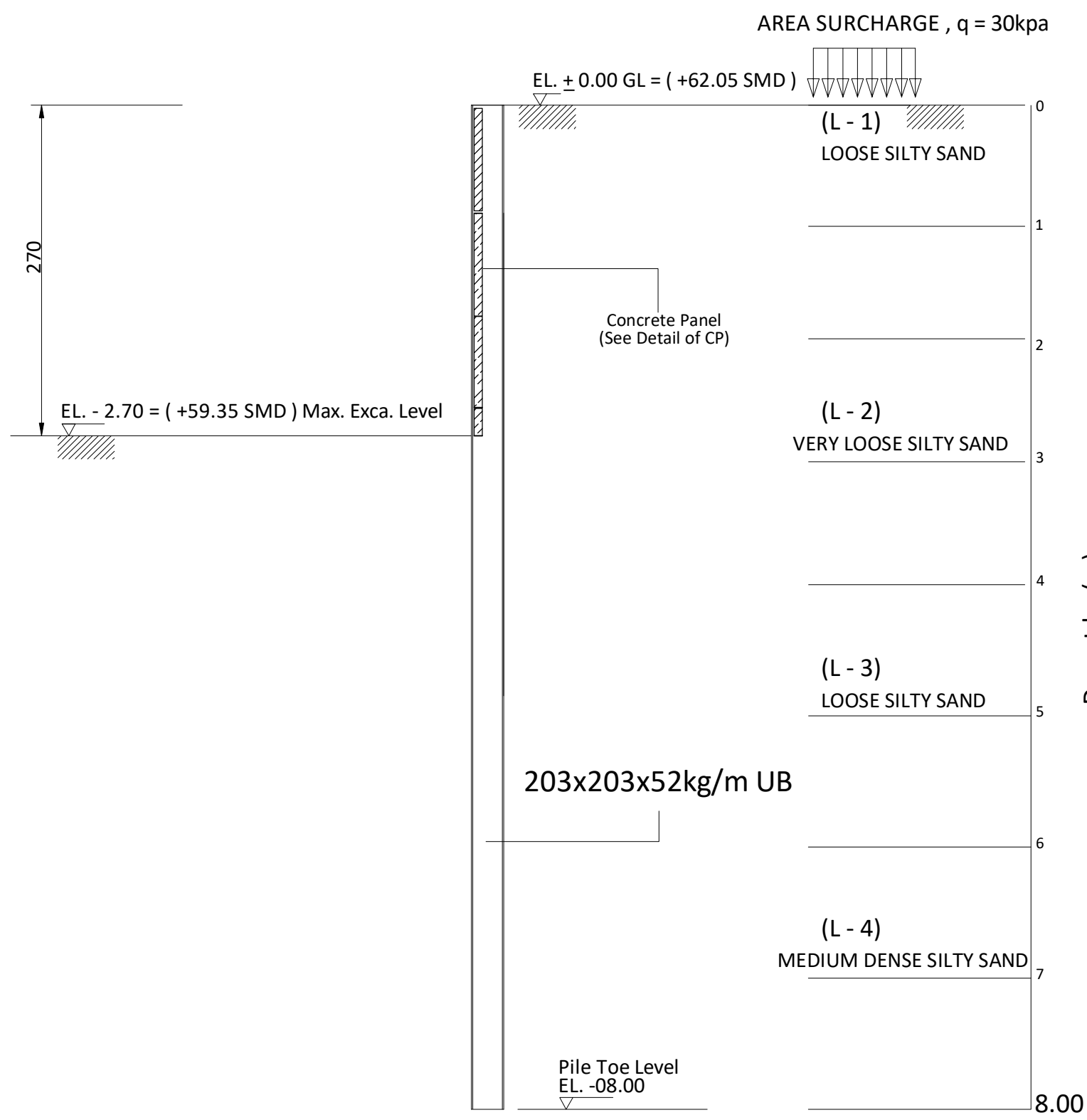


ISSUED FOR:



Excavation Side

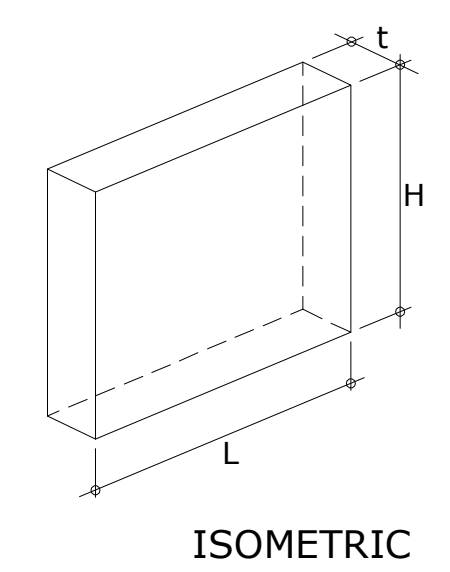
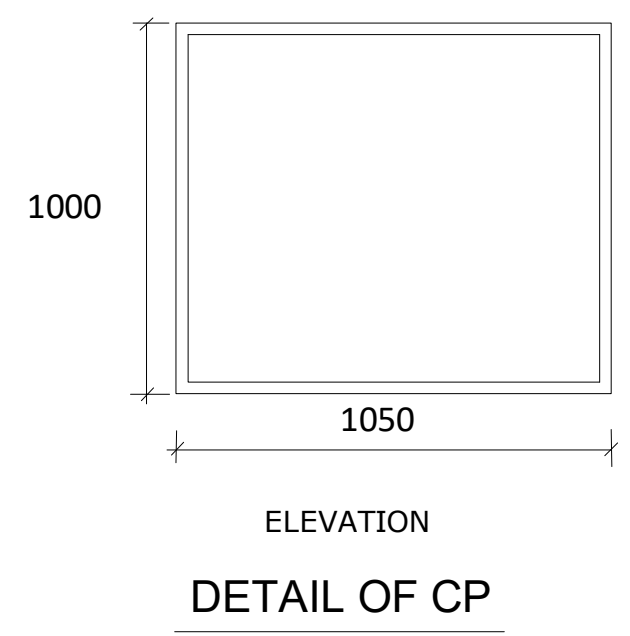
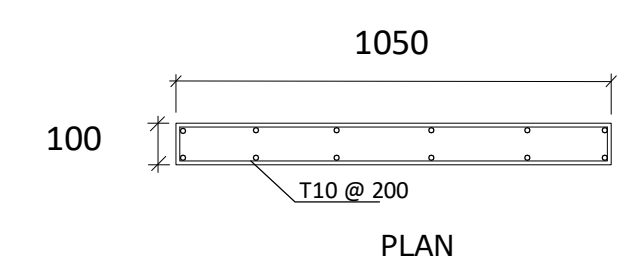
earth side



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1050			



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

شركة الهندسة والبناء
إدارة تخطيط البناء
13/04/2023
تعديل إنشائي
التوقيع

LOCAL AUTHORITY APPROVAL:

GENERAL NOTES:
1. 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.
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 الهندسة والبناء
P.O. 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:

شركة الهندسة والبناء

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

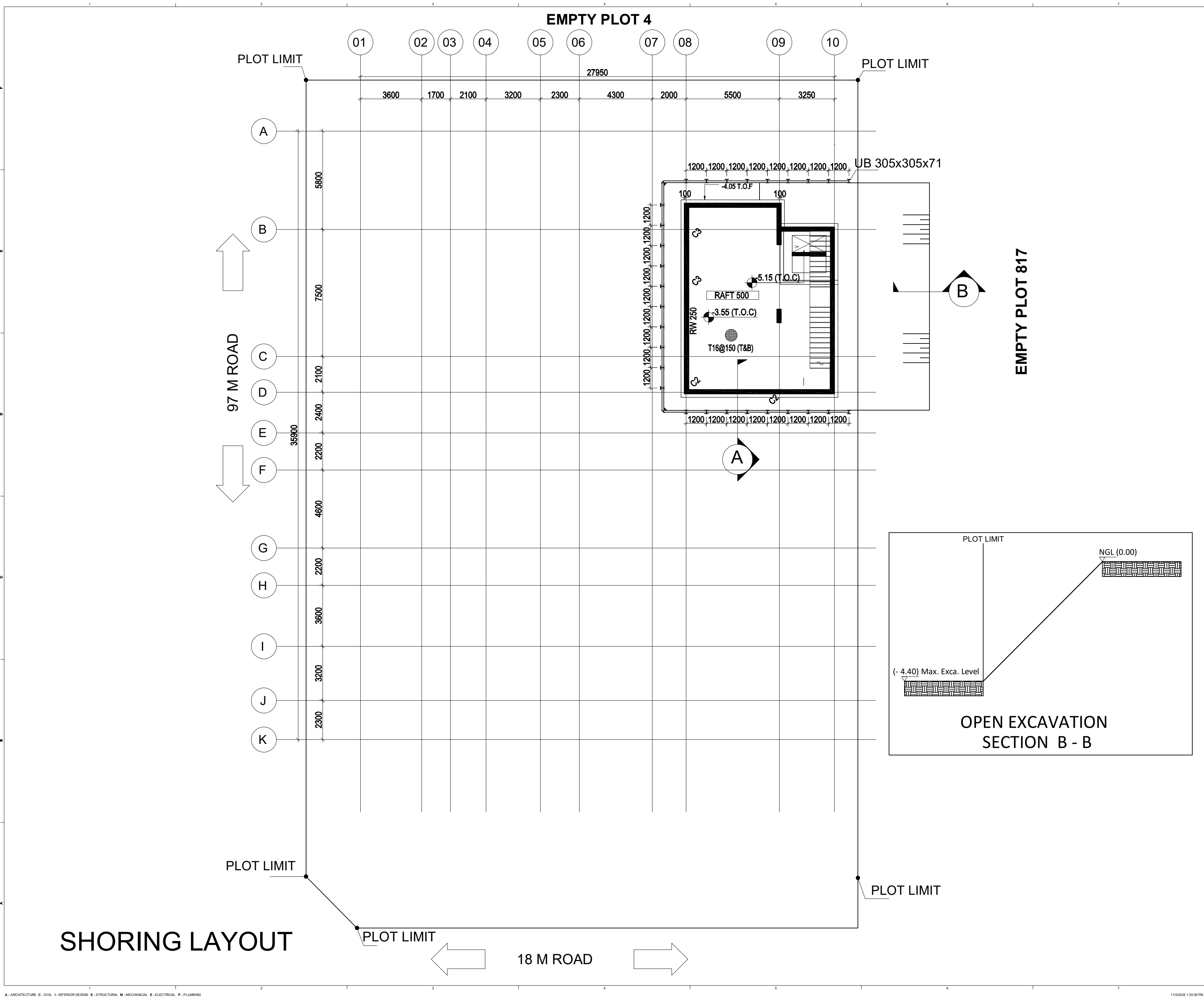
DRAWING NAME:
SHORING SECTION

AUTHORIZED BY	DATE	DATE
DESIGNED BY	M.H	STAGE
DRAWN BY	M.H	SHEET SIZE
CHECKED BY	M.H	SCALE

1 UNIT = 10 mm WHEN PRINTED AT A2 SHEET SIZE

DIVISION	SUB.GROUP	SHEET NUMBER	PROJECT No.
			702

ISSUED FOR:



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 & FILTER BEDS 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, BEAM/BULK 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 BRAPTS TO BE COVERED WITH PRECAST CONCRETE SLABS WITH REINFORCING BARS TERMINATION WITH MEP SERVICE TO BE COORDINATED BY MAIN CONTRACTOR.

13- ALL BRAPTS 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 TYPE, SIZE & LOCATION (SLIDING/FOLDING ETC).

17- ALLOW GARD BLASTING PATTERN FOR ORCARE 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 ARCHITRAVE AT INTERIOR DESIGNER DISCRETION.

19- ALL SOLID CORE & SHAP 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, SHARJAH, U.A.E. 01-26788000, F-01-26788001, E-01-26788001@SHAPE.AE

ABDULLA ALI AL-SHAMSIS

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		

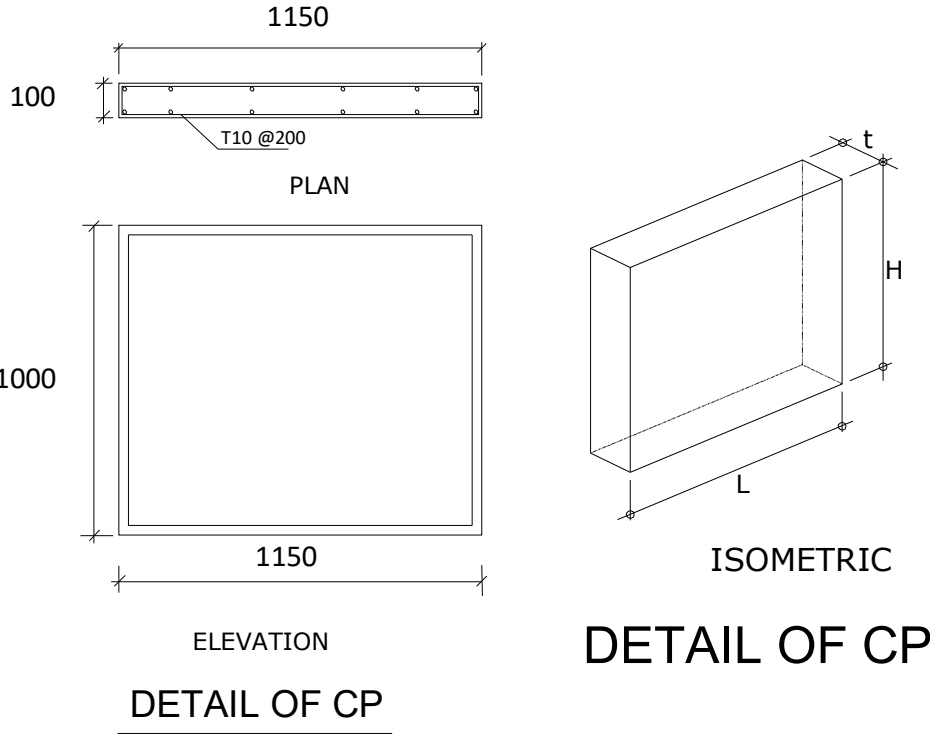
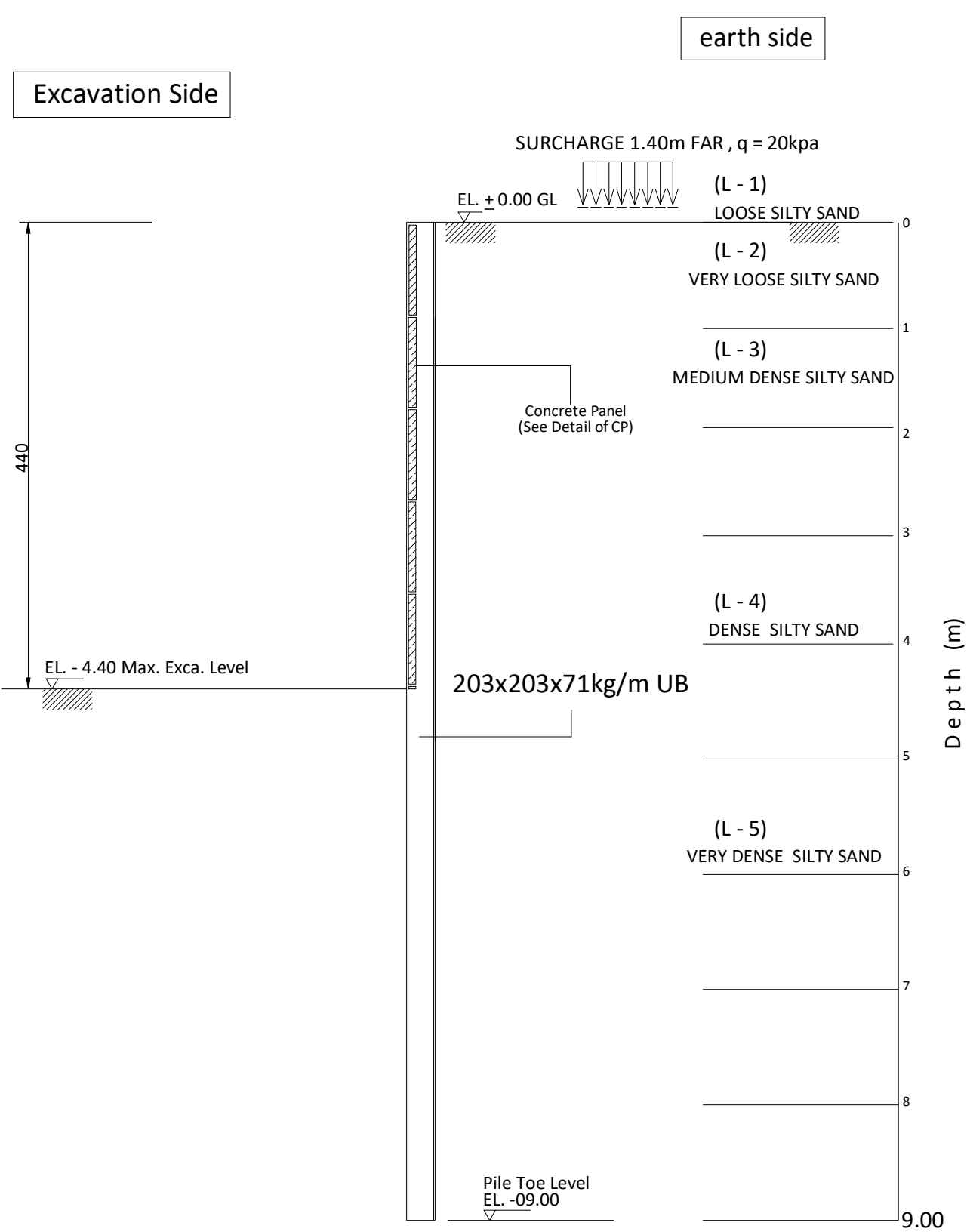
DRAWING TITLE :

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 200-250 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 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 ROOF 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 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 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 & SHALY BLOCKS TO BE FINISHED WITH NECESSARY STYLES, JAILS, HAND WOOD LIPPING & FINISHED WITH VENEER AT INTERIOR DESIGNER DISCRETION.

20- UNDESIRABLE 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 :
	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

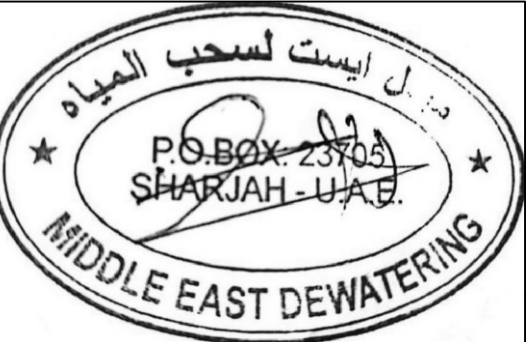
LOCATION :	SHARJAH - AL SIYOUH	
ZONE :	AL MOWRRADA 5	PLOT NO : 816
PROJECT ID :	25-046	PLOT AREA : 1625
SCALE :	@ A2	SUBMISSION DATE : 01/08/2023
DESIGNED BY :	DRAWN BY :	CHECKED BY :
Designer	Author	Checker

DRAWING TITLE :

SHORING 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:

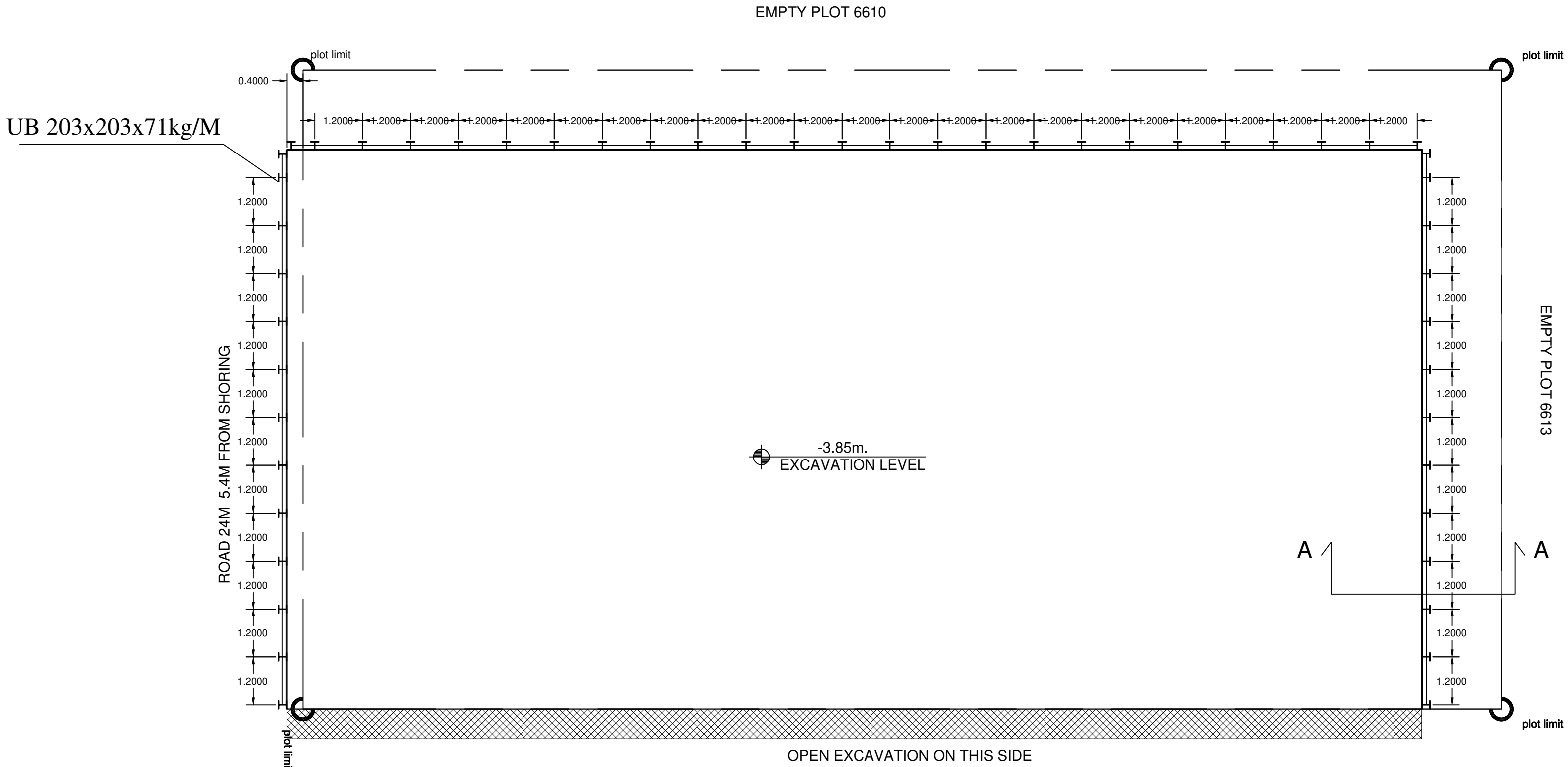
Mr. Ali Jassim Ali Abdulla Almazrouei .
Mr. Mohammed Ateeq Alzafna Khamis Almarar.

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	

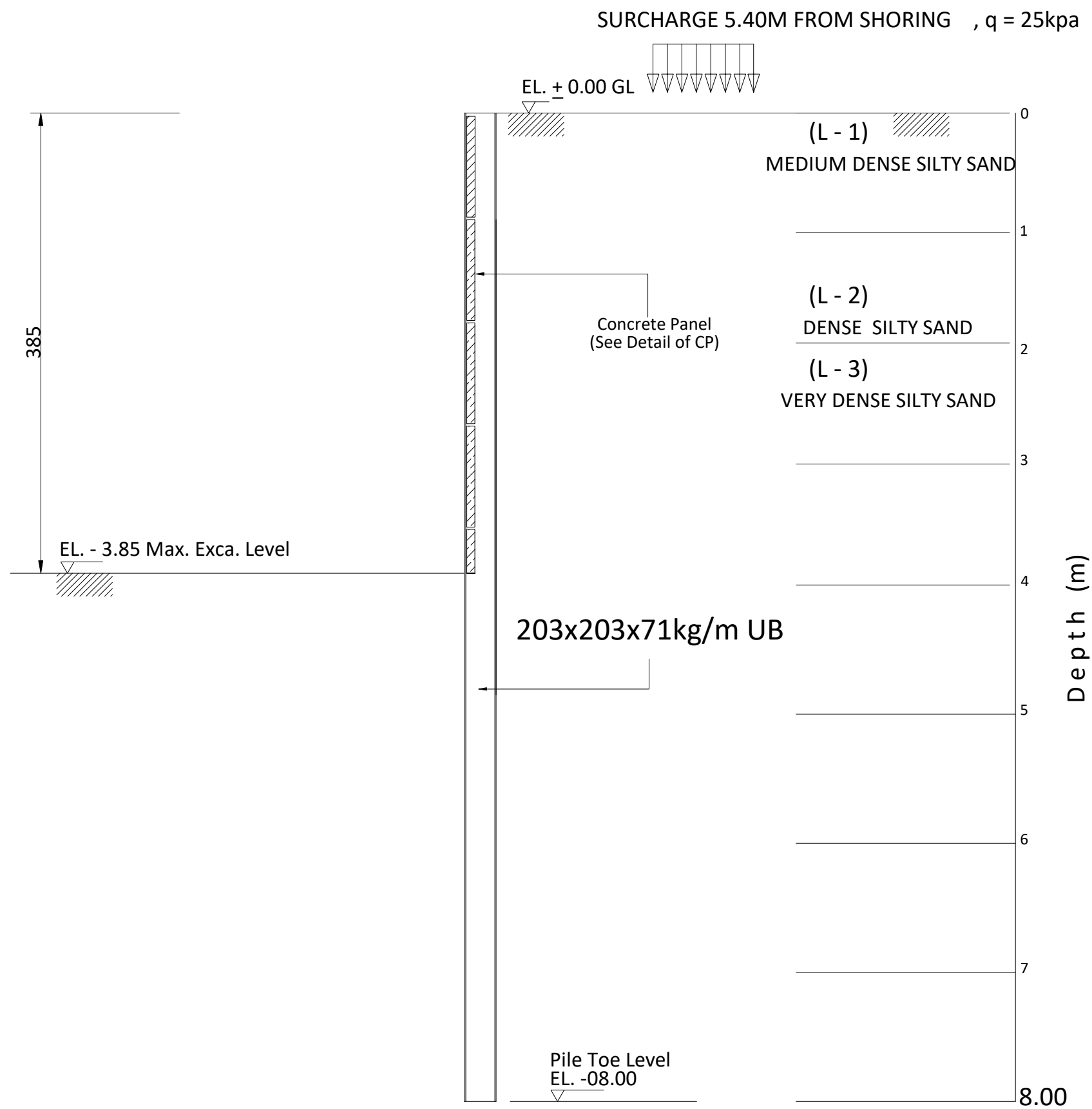


SHORING & EXCAVATION LAYOUT
SCALE : 1-100



Excavation Side

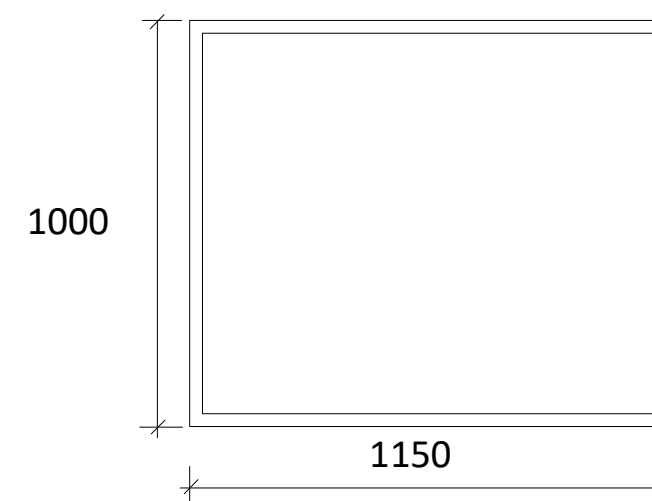
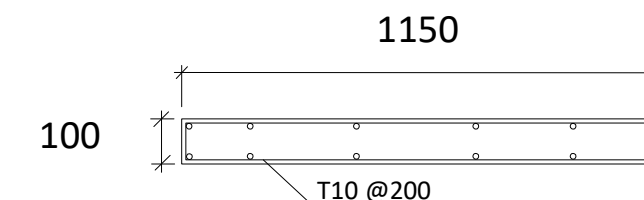
earth side



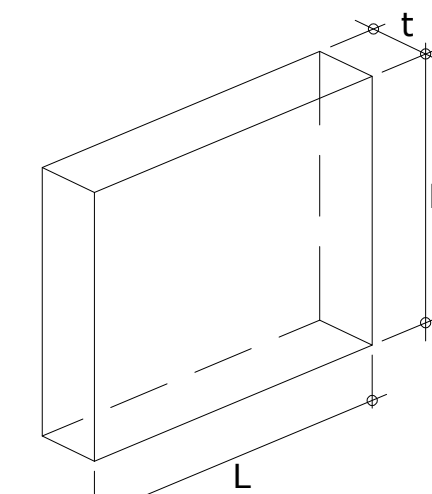
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			

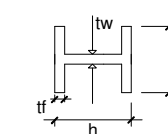


DETAIL OF CP



ISOMETRIC
DETAIL OF CP

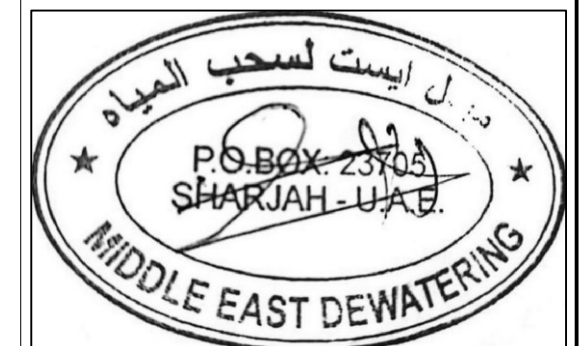
SECTION PROPERTIES



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,t _f (mm)	17.3	
WEB,t _w (mm)	10	
MODULUS, Z _x		
PLASTIC (cm ³)	706	



- GENERAL NOTES:-**
- IT IS NOT ALLOWED TO REPRODUCE THIS SHEETS' CONTENTS IN ANY FORM EXCEPT FOR THE PURPOSE FOR WHICH IT IS INTENDED.
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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**



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	REF. NO.
NO.	DATE	REVISIONS	



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

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:

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	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			



THK(mm)	SECTION			REMARKS
100	1000x1150			



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



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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
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DESIGN CONSULTANT:



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P.O.BOX : 1388, SHARJAH , UAE
www.investmentengineering.ae EMAIL : investment.shj@gmail.com

CLIENT'S :-

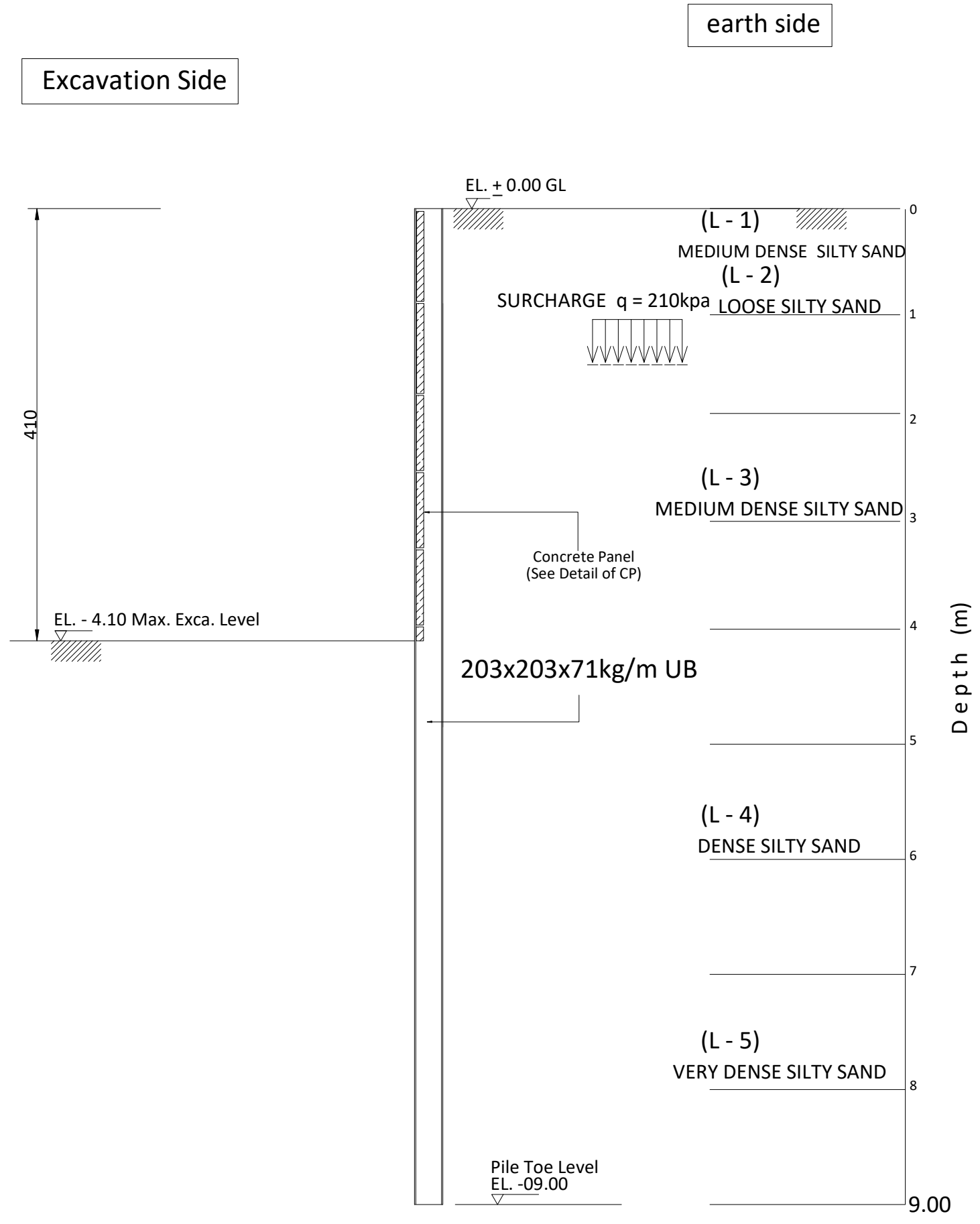
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

DWG. TITLE :

SHORING SECTION A

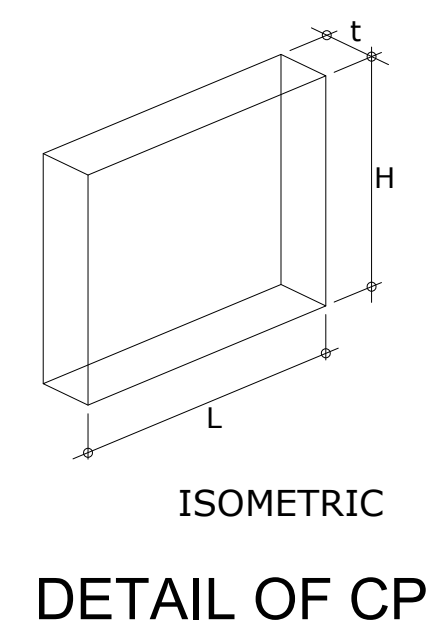
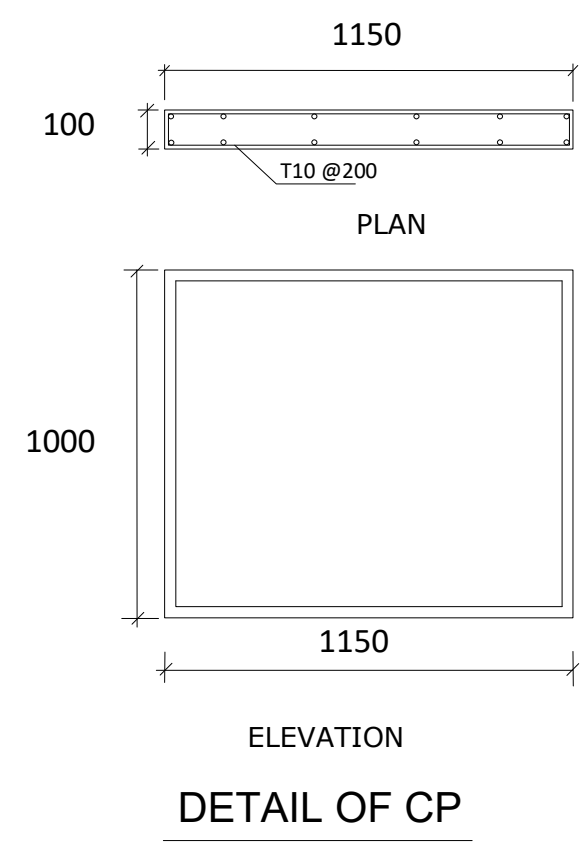
PLOT NO:-	MULK	476	BLOCK:-	AL MAJAZ 2
	GOV.	363		
DESIGNED BY:- M.H	COORDINATED BY:-		APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:-	1/100	DATE:- 2023	JOB NO. :-
	SHEET SIZE:	A2		



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
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DESIGN CONSULTANT:

الاستثمار
INVESTMENT
Engineering Consultancy

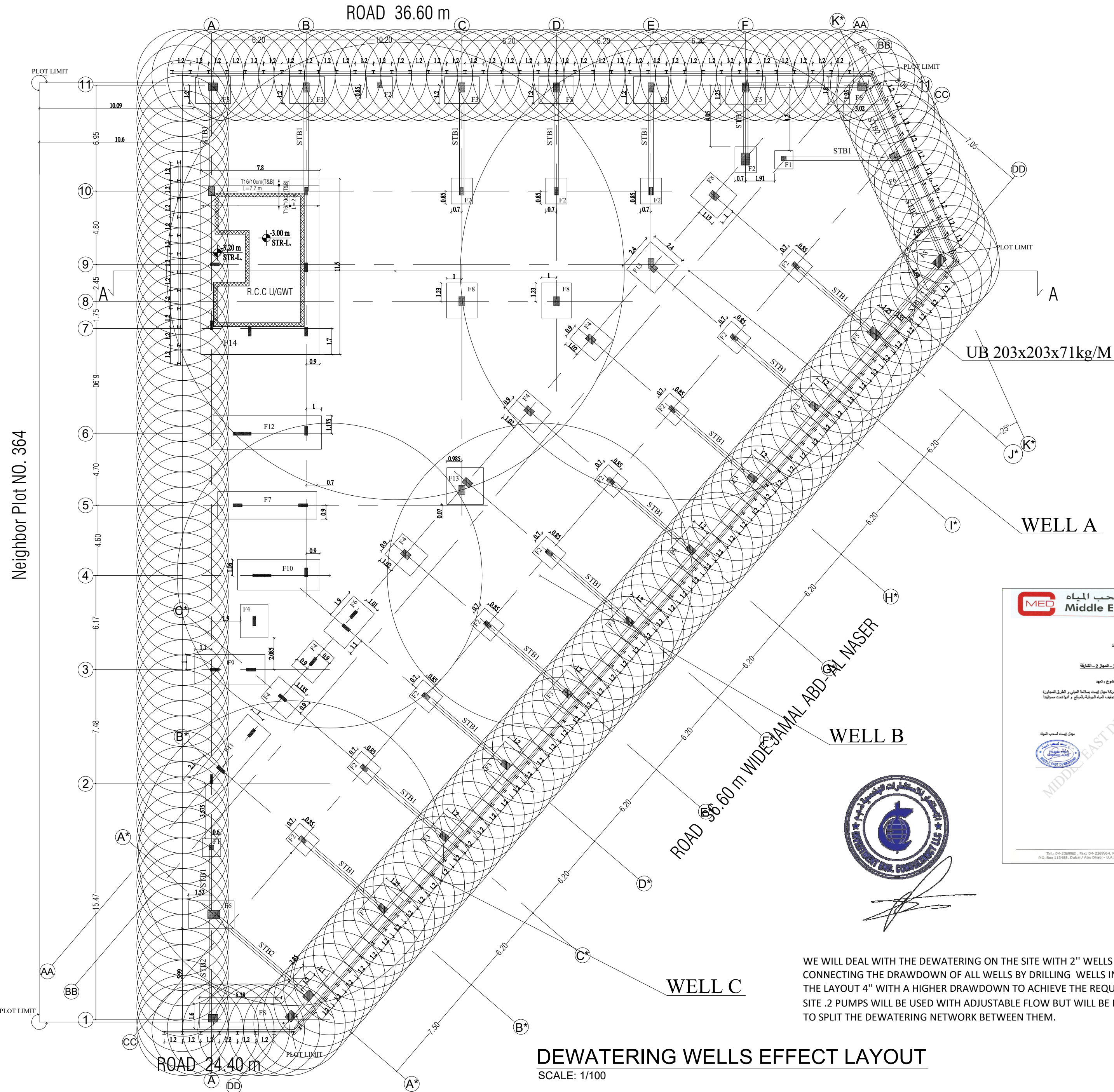
TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE
www.investmentengineering.ae EMAIL : investment.shj@gmail.com

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. :-



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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6. CONTRACTOR SHOULD SUBMIT THE SHOP DRAWING FOR APPROVAL.
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SUB CONTRACTOR :-
MIDDLE EAST DEWATERING & FOUNDATION L.L.C

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

DESIGN CONSULTANT:



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CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

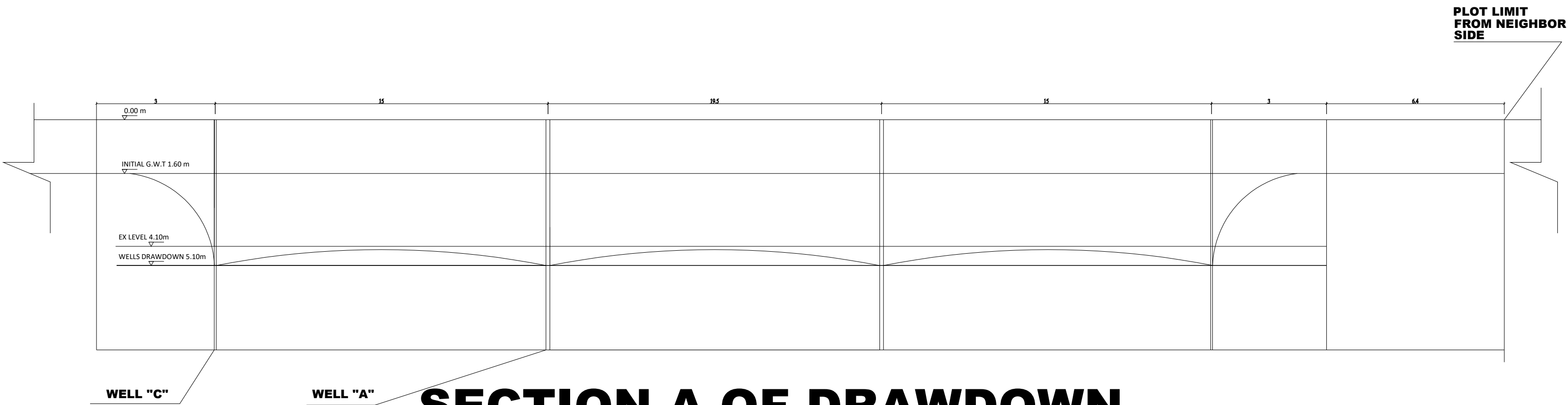
PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

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.





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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3. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCH,STRUC & MEP DETAILS & SPECIFICATIONS.
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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

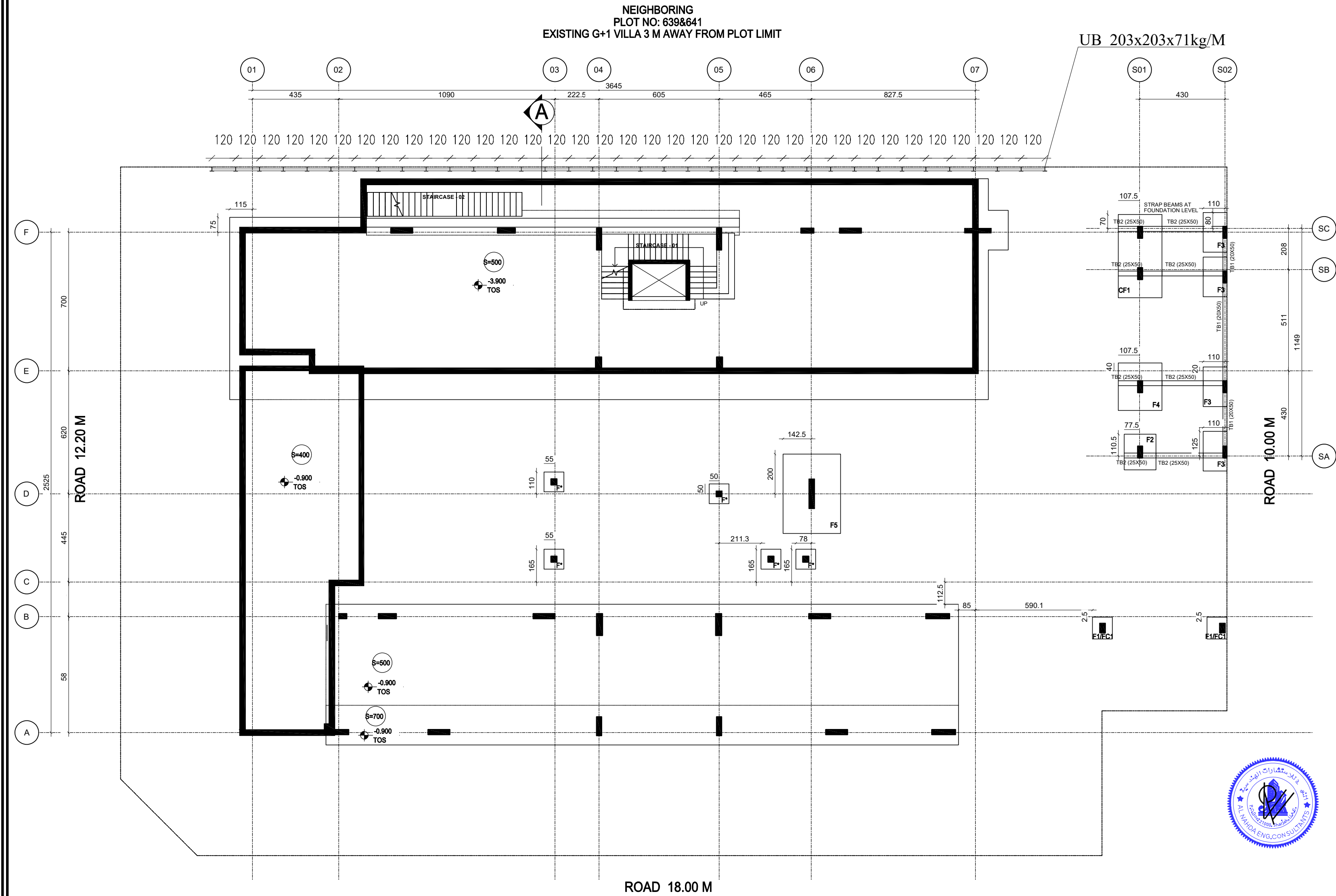
TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE
www.investmentengineering.ae EMAIL : investment.shj@gmail.com

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. :-



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



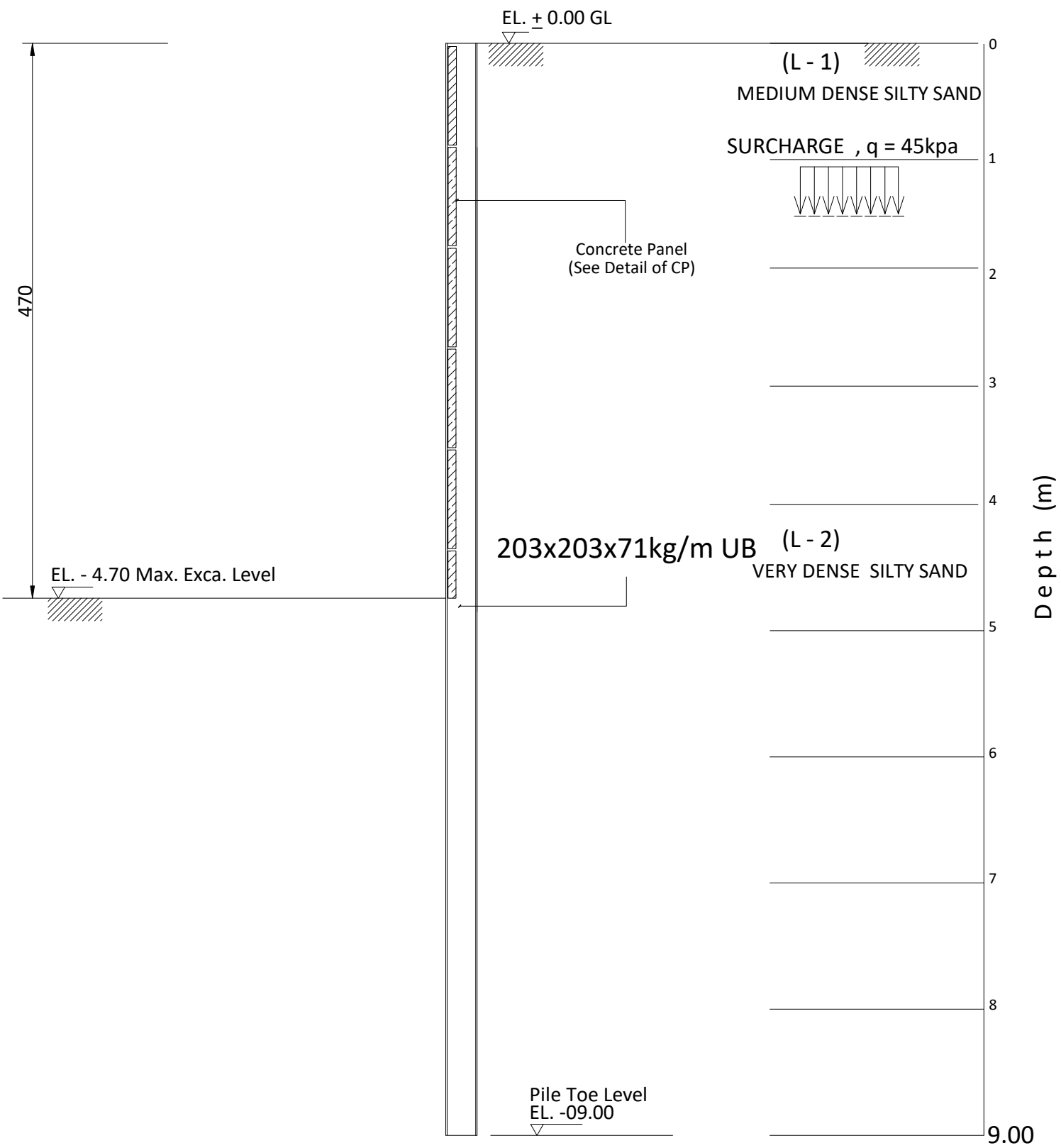
job title
PROPOSED (B+G+1) VILLA +
PROPOSED SERVICE BLOCK & PARKING

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	

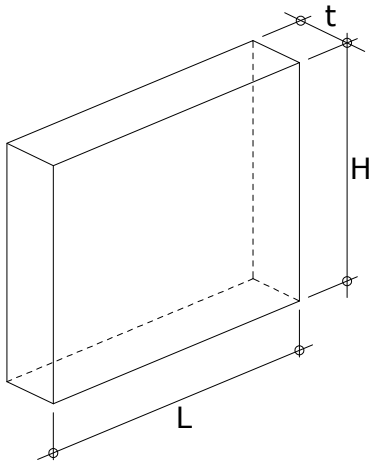
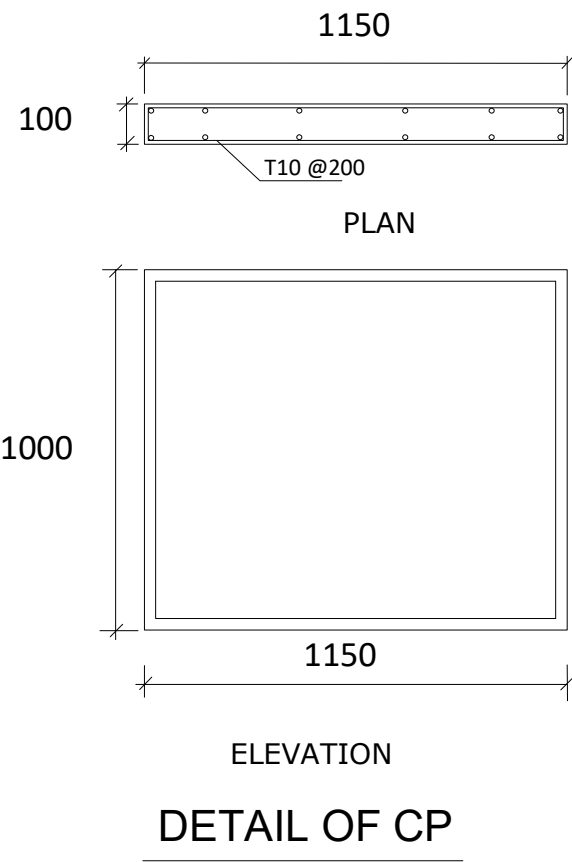
Excavation Side



SECTION A - A

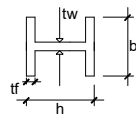
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



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,t (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
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SUB CONTRACTOR
MIDDLE EAST DEWATERING
& FOUNDATION L.L.C

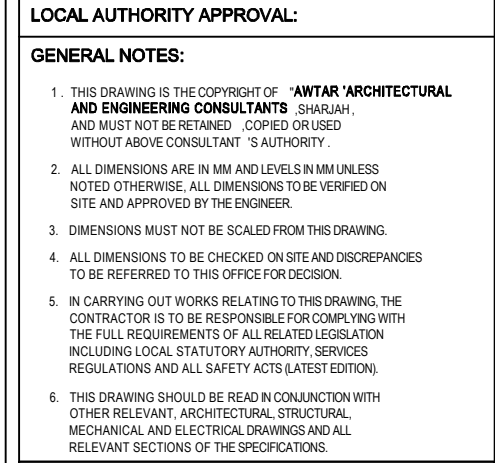


job title
PROPOSED (B+G+1) VILLA +
PROPOSED SERVICE BLOCK & PARKING

owner name
MR. RAYMOND KHALIL AZIZ

drawing title
SHORING SECTION DETAILS

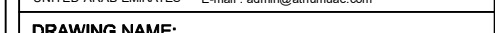
AREA	BLOCK	PLOT No	JOB No
SHARJAH	AL YASH / WASIT SUBURB	236 / 571	864
Architect	Sheet no. 2	revision	drawing no
Arch. Chkd.	suffix		
Structure Eng. ENG.MAHOOD	drawn ENG.MAHOOD		
MEP Eng.	Scale 1:150@A2	Date 02/08/2023	



CLIENT: _____

[illegible]

THEORETICAL COST OF CAPITAL



SHOPPING LAYOUT

--	--

DESIGNED BY	M.H	STAGE	
-------------	-----	-------	--

CHECKED BY	M.H	SCALE	1:100
------------	-----	-------	-------

		0	701
--	--	---	-----

[illegible]

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

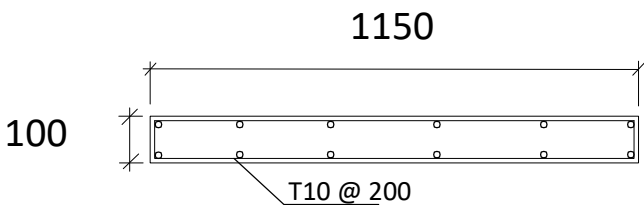
(L - 5)
DENSE SILTY SAND

Pile Toe Level
EL. -08.00

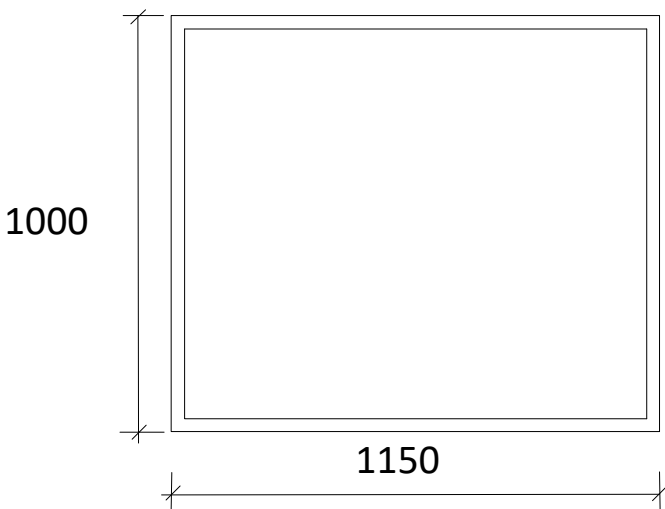
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		

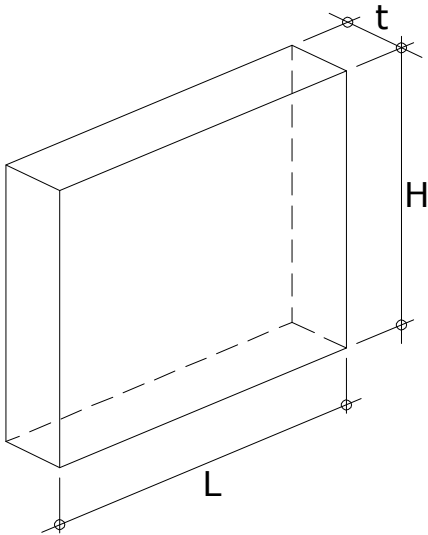


PLAN



ELEVATION

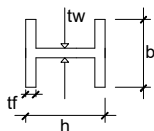
DETAIL OF CP



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:



Atrium
ARCHITECTURAL & ENGINEERING CONSULTANCY

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

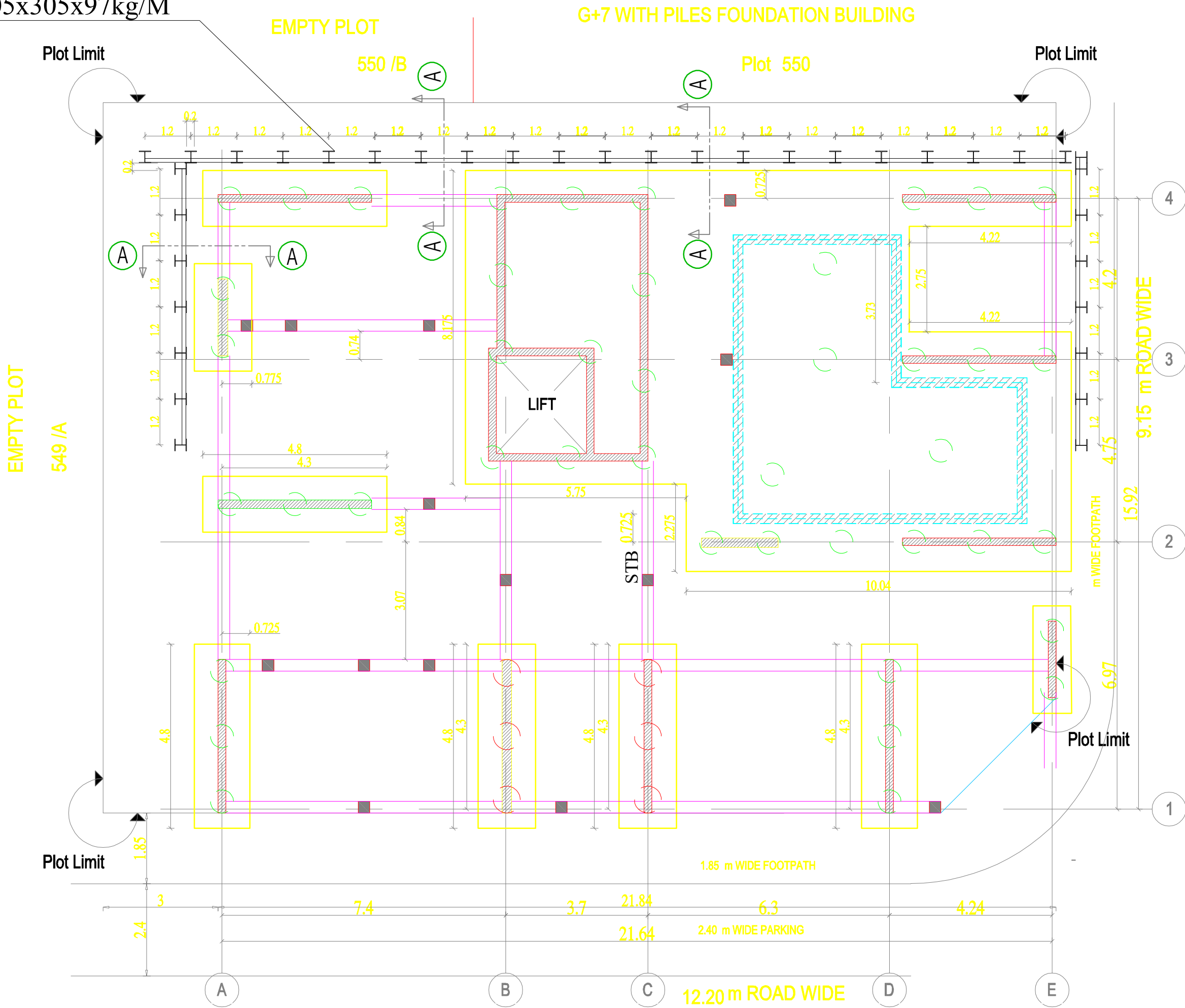
CHECKED BY M.SH.&O.BA. SCALE 1:100

1 UNIT = 10 mm WHEN PRINTED AT A2 SHEET SIZE

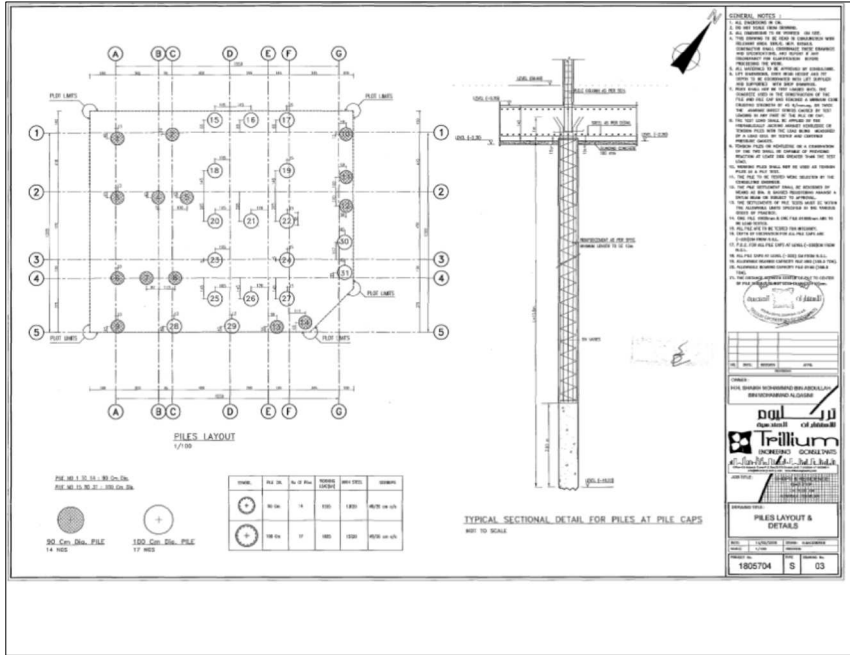
DIVISION	SUB.GROUP	SHEET NUMBER	PROJECT No.
S		400	701

ISSUED FOR:

UB 305x305x97kg/M



SHORING LAYOUT



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 وبعد

المشروع : بنية تجارية (أرضي + عدد / 4 / بطابق 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 سند 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

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

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

2 دراسة وتنفيذ أعمال سند 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

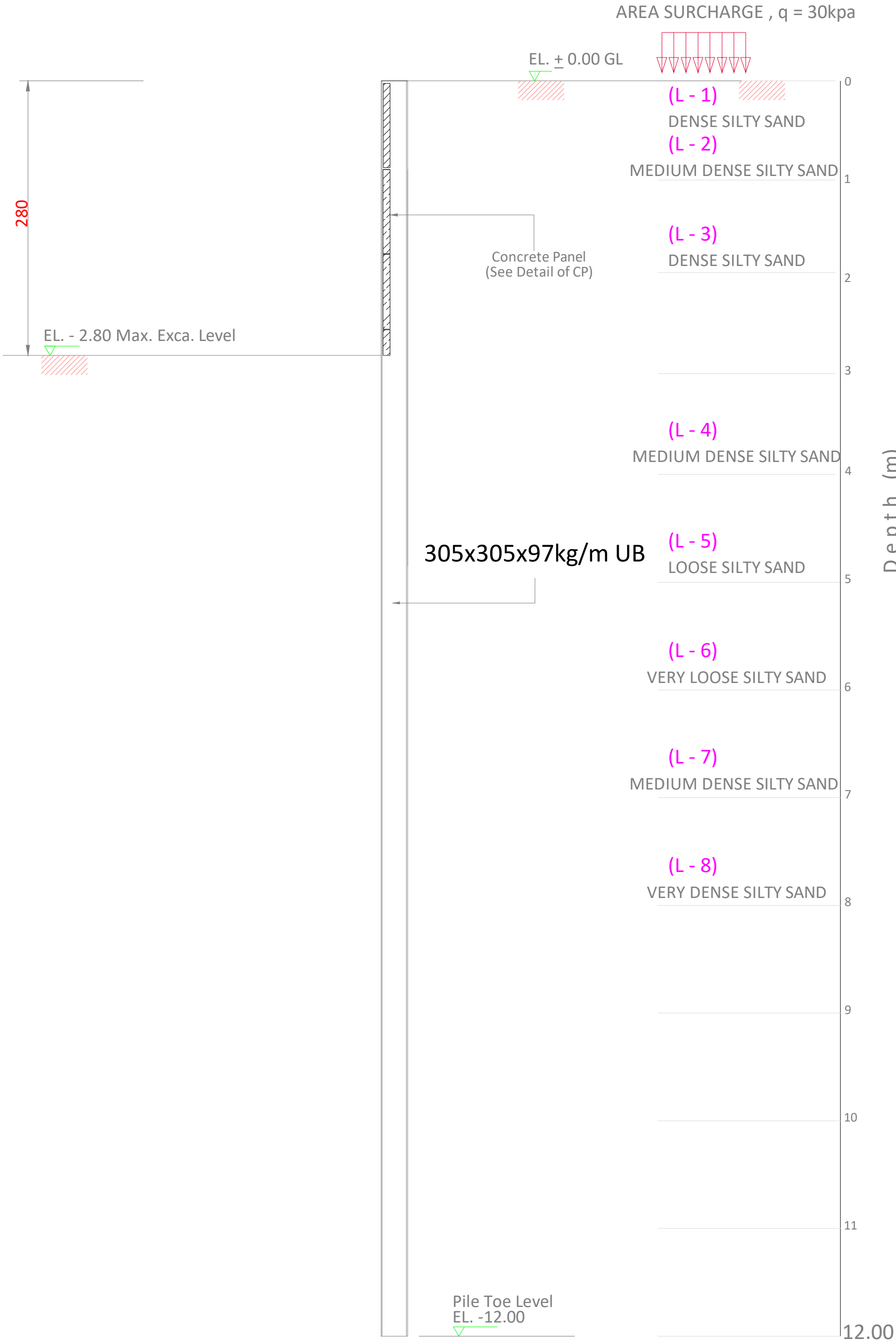
PROJECT TITLE :-
UNDER CONSTRUCTION BUILDING (G+4)

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:- 1/1000 SHEET SIZE: A2	DATE:- 11-2022	JOB NO. :-

Excavation Side

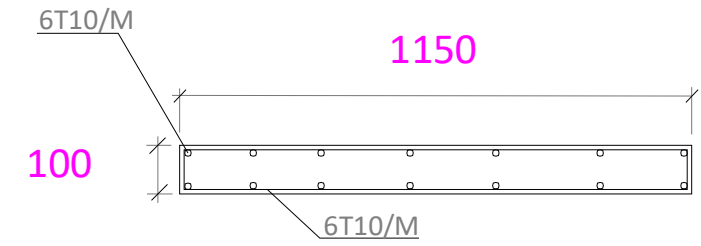
earth side



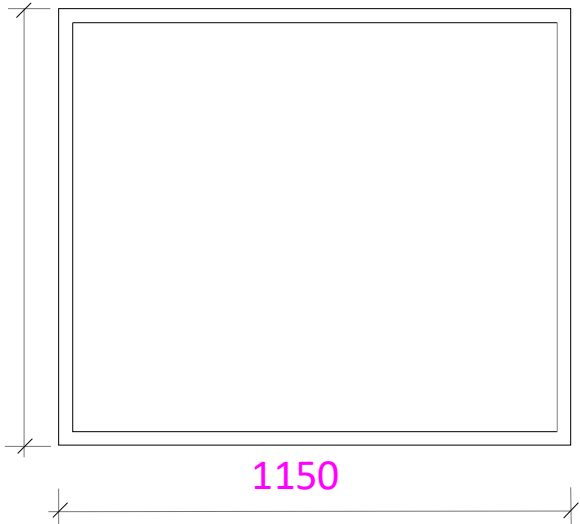
SECTION A - A

SCHEDULE OF CONCRETE PANEL

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



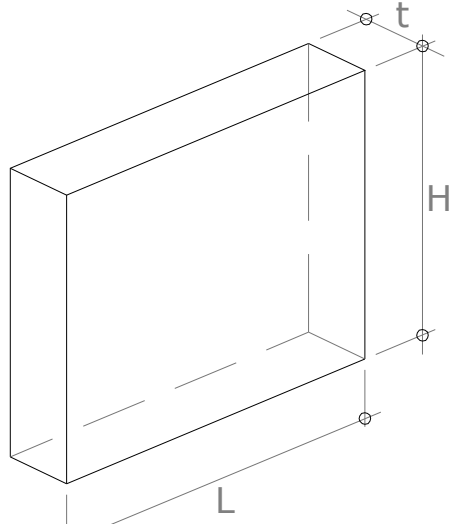
PLAN



ELEVATION

DETAIL OF CP

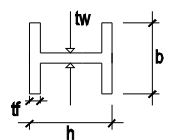
(Fcu = 40 N/mm2 , Fy = 460 N/mm2)



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.
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- 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

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

DESIGN CONSULTANT:

الاستثمار
INVESTMENT
Engineering Consultancy



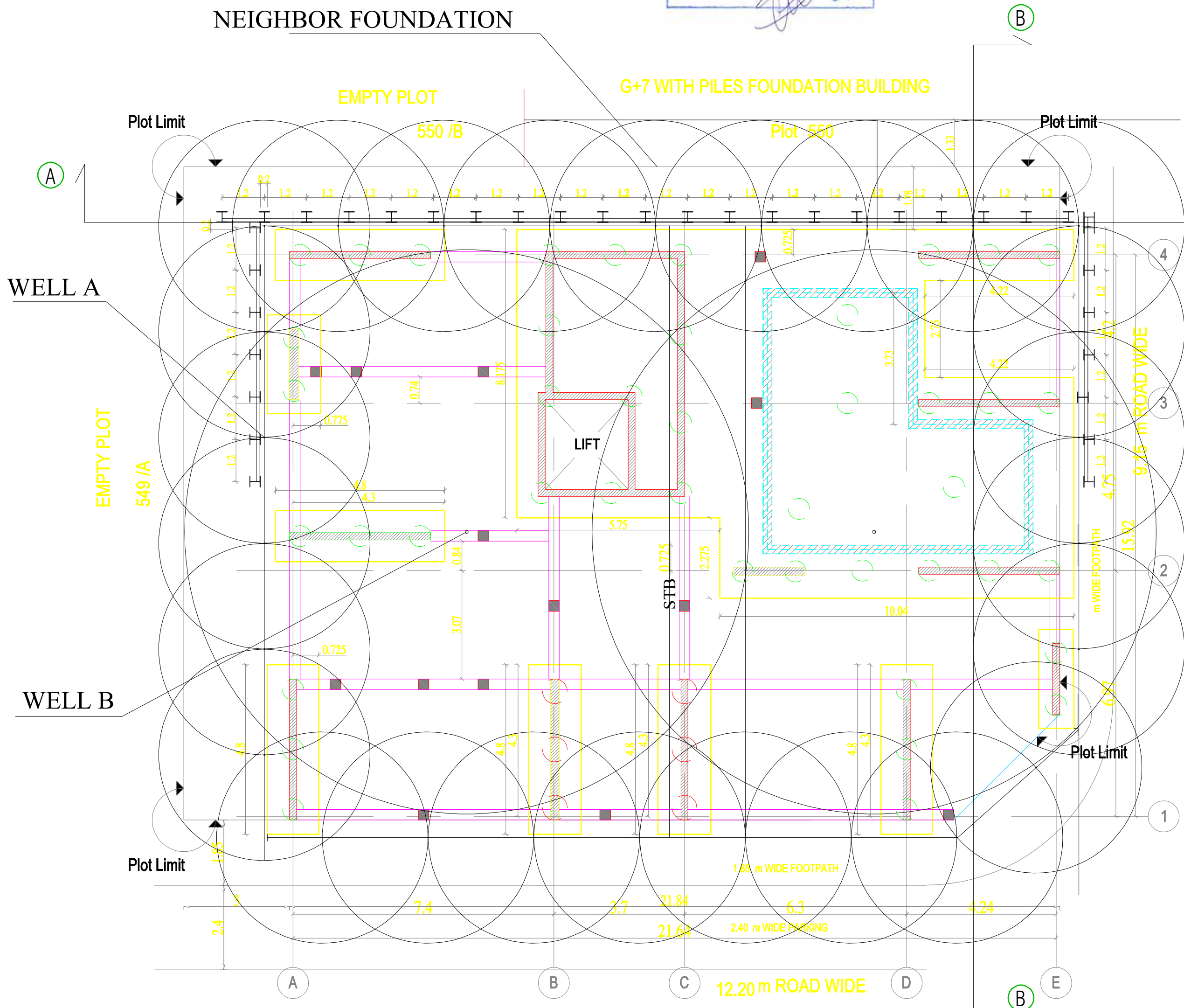
TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE EMAIL : investment.shj@gmail.com
www.investmentengineering.ae

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 وبعد

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

الموضوع : تعهد

بالإشارة إلى الموضوع أعلاه ، نتعهد نحن شركة ميدل إيست لسلامة المبني والطرق المجاورة للمشروع نتيجة أعمال سند جوانب الحفر وتخفيف المياه الجوفية بالموقع و أنها تحت مسؤوليتنا بالكامل و استخدام بيروميتر 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 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 المباني المجاورة

2 دراسة وتنفيذ أعمال سند جوانب الحفر بالموقع المذكور أعلاه بما لا يمثل خطورة أو 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 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

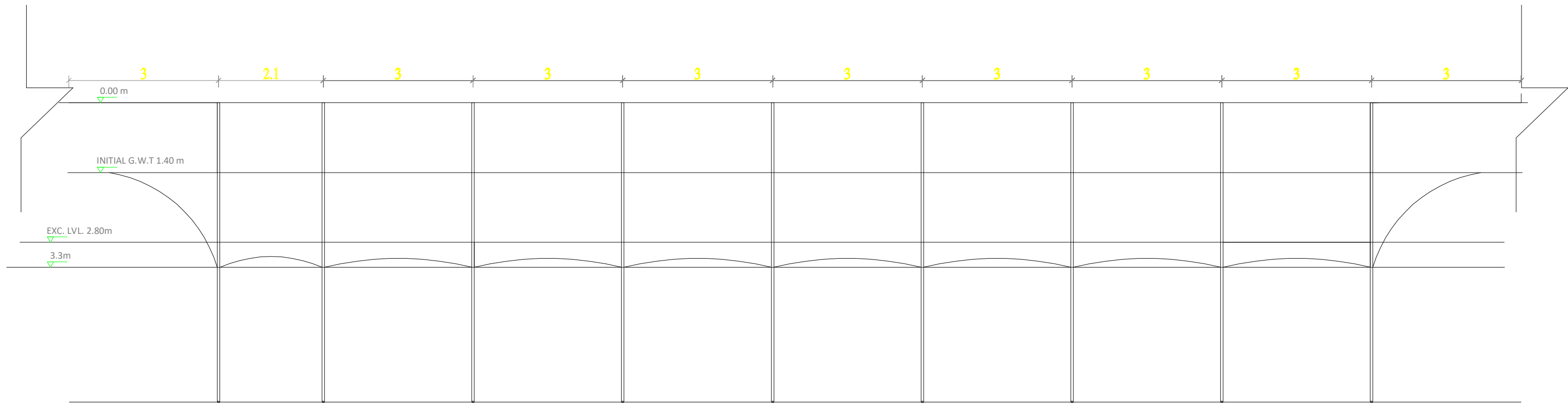
PROJECT TITLE :-

UNDER CONSTRUCTION BUILDING (G+4)

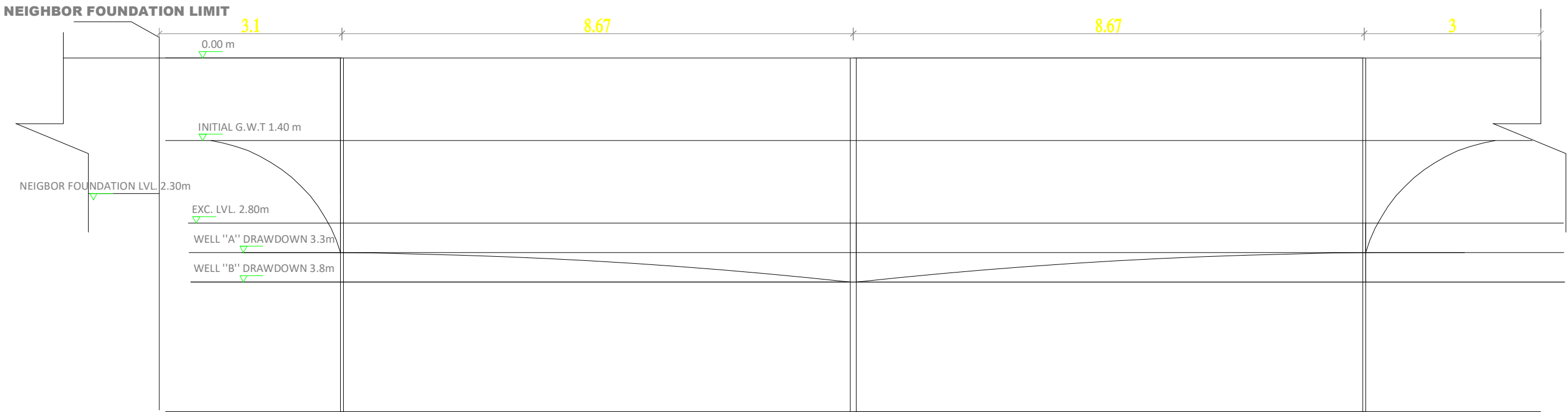
DWG. TITLE :

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.
 - CONTRACTOR MUST CO-ORDINATE THESE DRAWINGS AND REPORT IF ANY DISCREPANCY FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK
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 - 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:			
TEL : +971 6 5737979 FAX : +971 6 5737779			
P.O.BOX : 1388, SHARJAH , UAE EMAIL : investment.shj@gmail.com			
www.investmentengineering.ae			

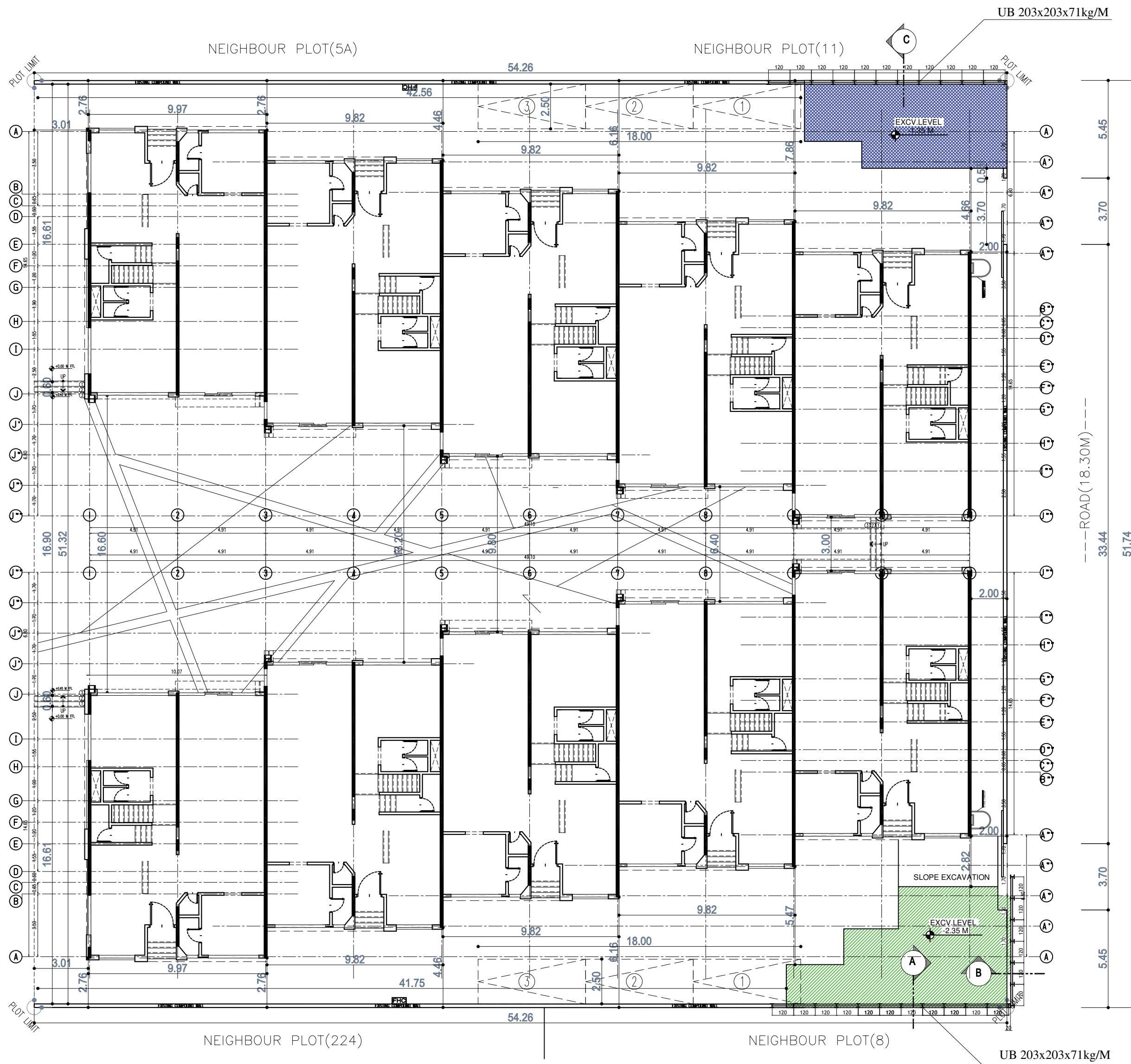
CLIENT'S :-
FARIDA ABDULLA WIFE OF
ABDULAZIZ ABDULRAHIM MOHAMMED ALZAROONI

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. :-

---CORNASH ROAD (36.60M)---



UB 203x203x71kg/M

UB 203x203x71kg/M



ميدل إيست لسحب المياه
Middle East Dewatering

التاريخ : 2023/02/14
السادة / بلدية الشارقة
المحترمين
تحية طيبة وبعد

المشروع تعديل 2 فيلا أرضي و طابق واحد إلى مطاعم و 2 مبني خدمات و موقف سيارات و سور قطعة رقم 3, 4, 9, 10 - الفشت ضاحية الجيرة - الشارقة

الموضوع : تمهيد

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

ميدل إيست لسحب المياه

Tel.: 04-2369962 , Fax: 04-2369964, Mob.: 050-3093519, 050-6464745
P.O. Box 213408, Dubai / Abu Dhabi - U.A.E., E-mail: coastmdeeast@gmail.com

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4. PREPARE WORKING DETAILED 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.
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8. FOR ELEMENTS WITH INDICATIVE DESIGN, THE CONTRACTOR(S) SHALL PREPARE CONSTRUCTION DETAILS FOR CONSULTANT APPROVAL PRIOR TO EXECUTION OF WORKS.

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مهندسون واستشاريون
خاص بالإنشائي - 1

ميدل إيست لسحب المياه
P.O. Box 237055
SHARJAH - U.A.E.

MIDDLE EAST DEWATERING

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

مهندسون واستشاريون

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

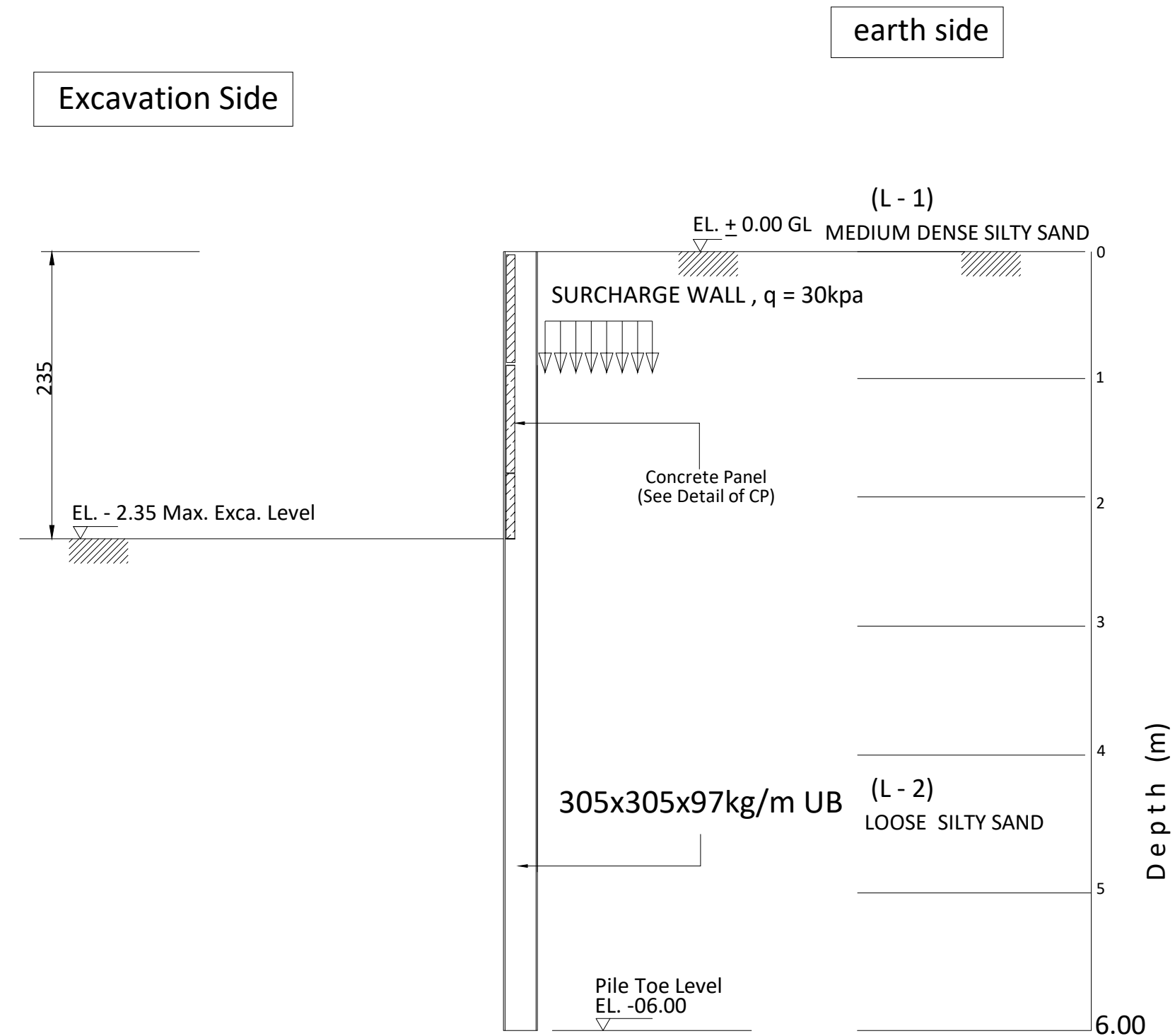
PROJECT:
MODIFICATION OF 2 N.O.S OF
G+1 VILLAS (HOTEL) TO RESTAURANTS
+ PROPOSED: 2 G SERVICE BLOCKS
+ CAR PARKING + BOUNDARY WALL

DRAWING TITLE:
SHORING LAYOUT PLAN

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

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

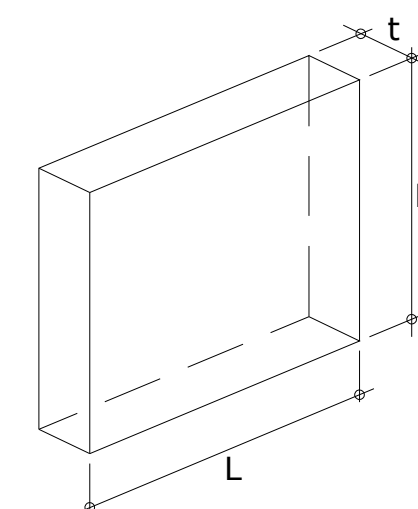
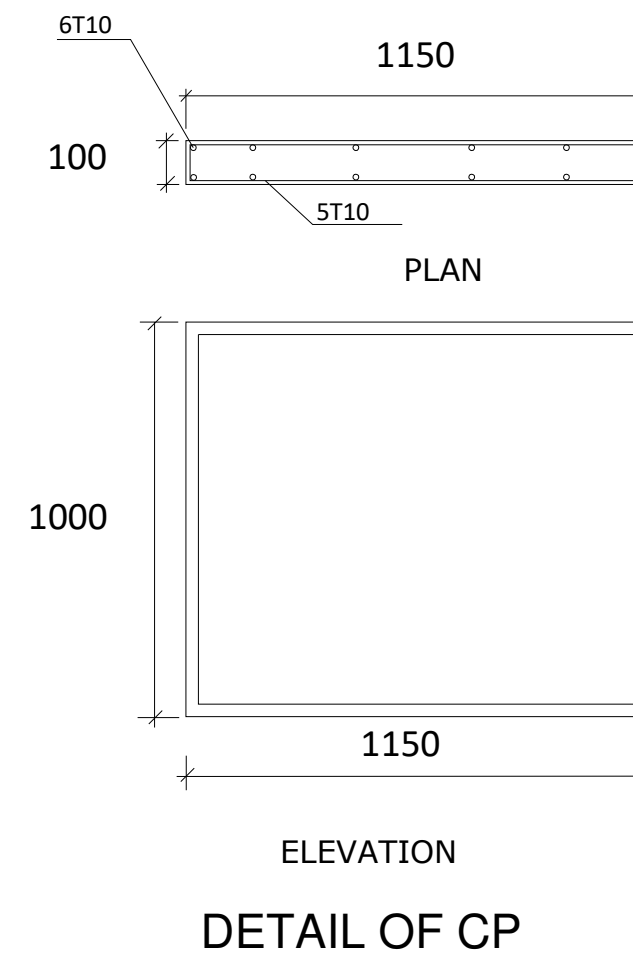
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SECTION A - A

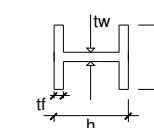
SCHEDULE OF CONCRETE PANEL

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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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

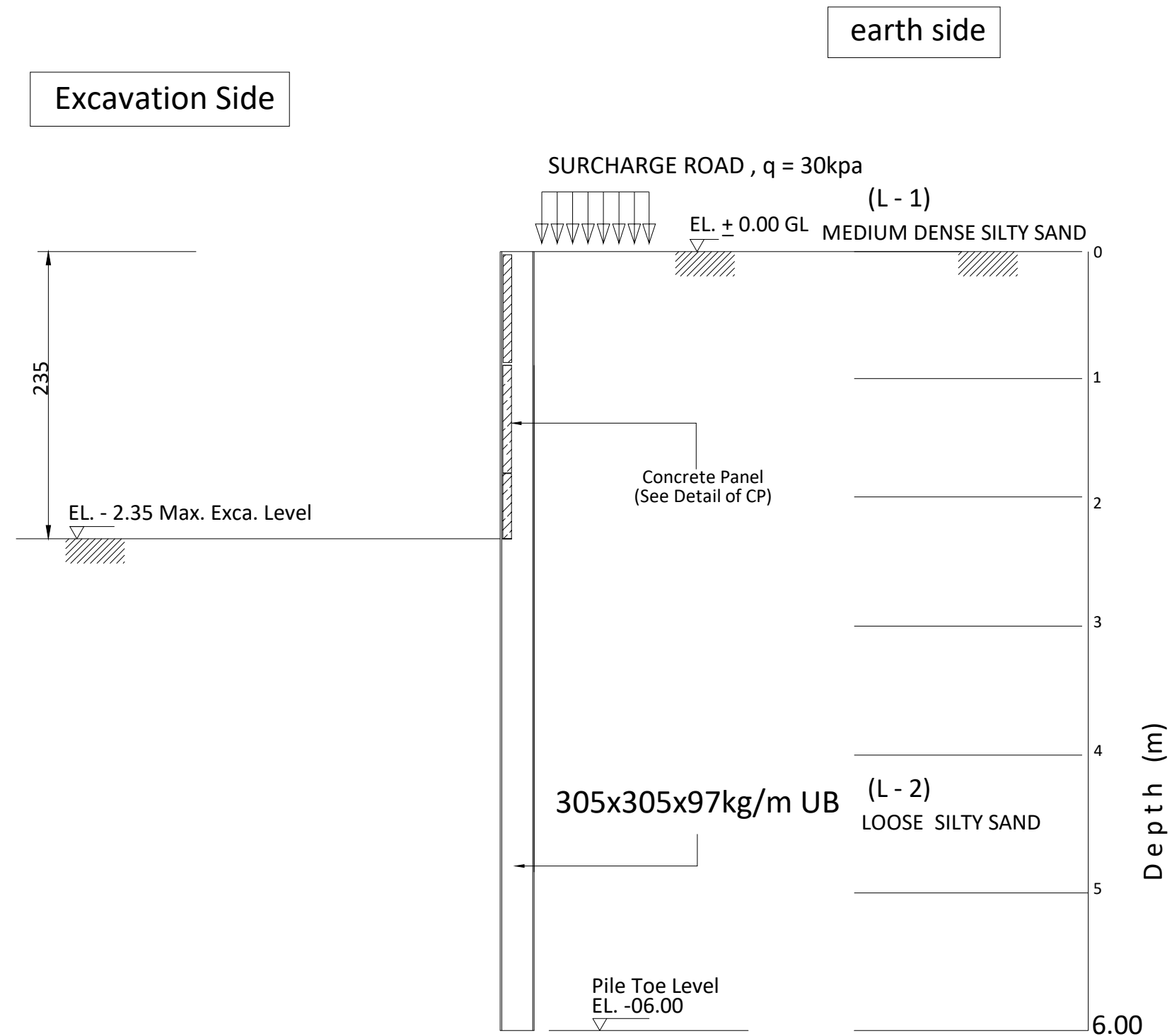
PROJECT :
MODIFICATION OF 2 NO.S OF
G+1 VILLAS (HOTEL) TO RESTAURANTS
+ PROPOSED : 2 G SERVICE BLOCKS
+ CAR PARKING + BOUNDARY WALL

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	

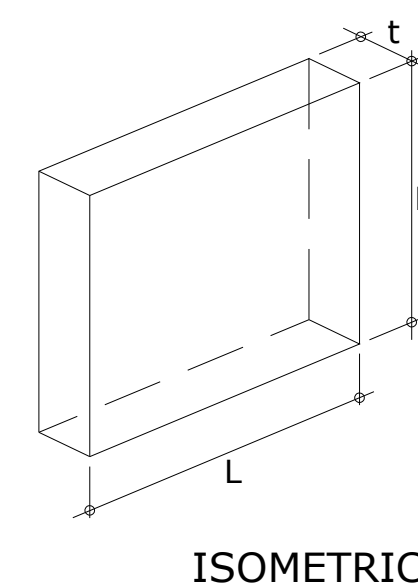
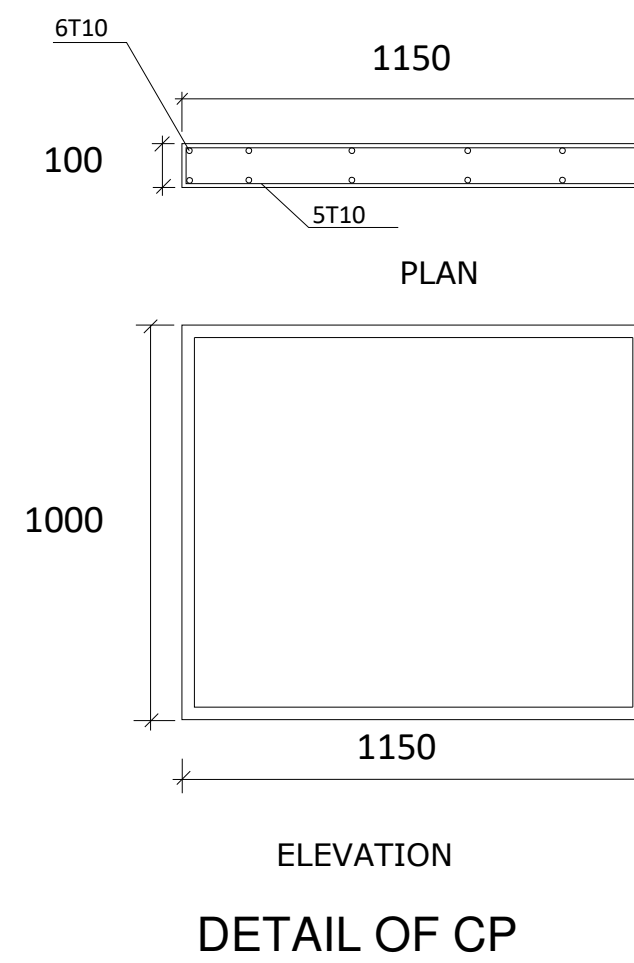
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SECTION B - B

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



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
...	...	...
...	...	...

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☐ 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	

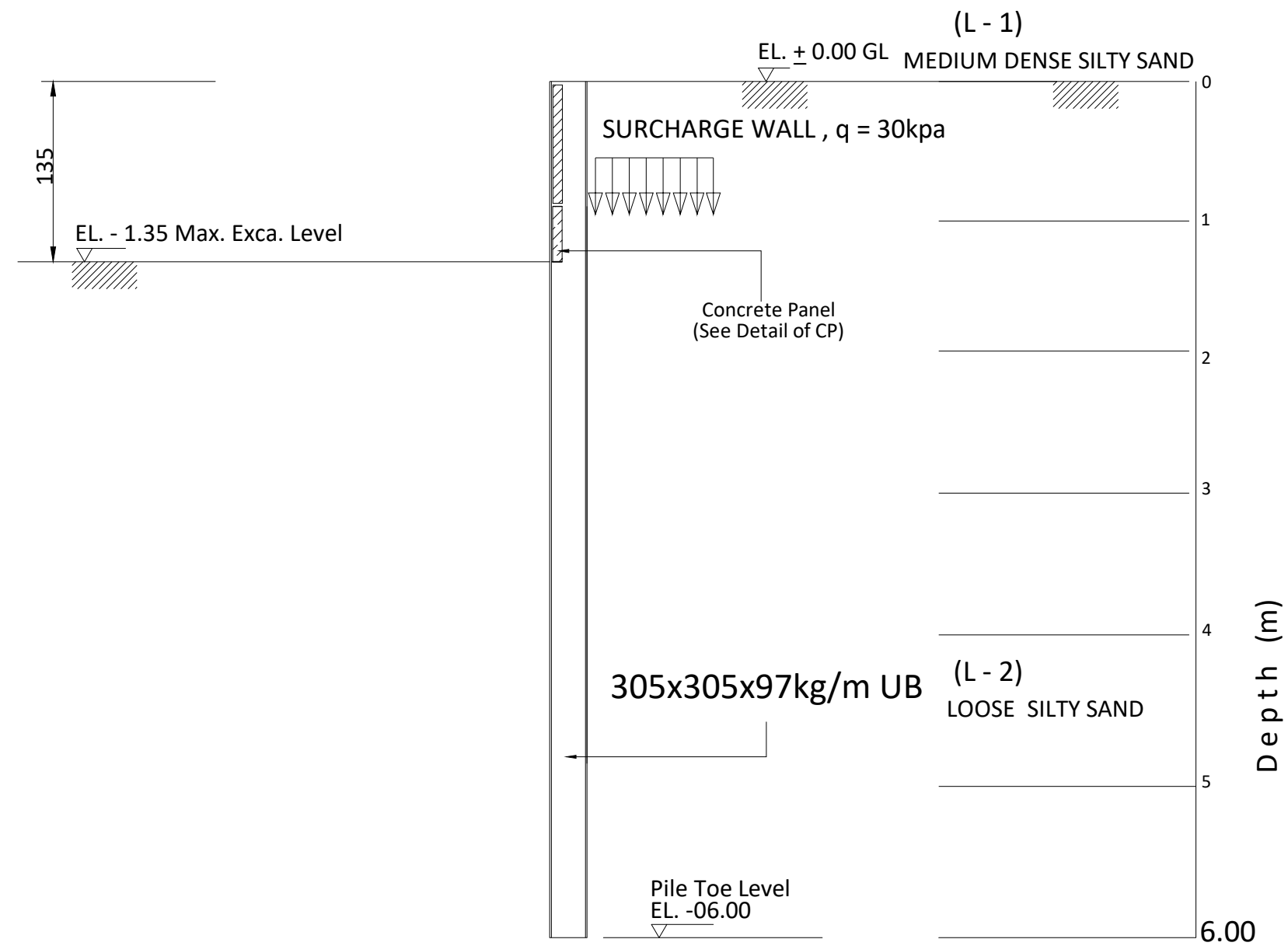
JOB NO:	DWG NO:	REV. NO.
---	S-05	

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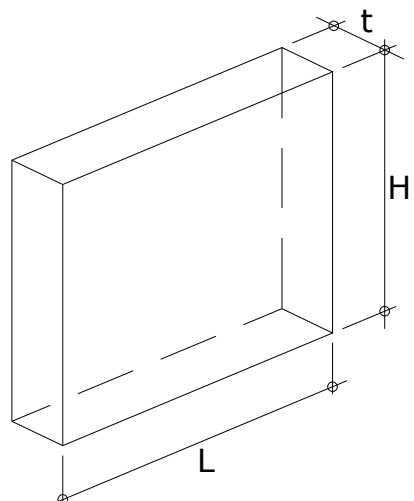
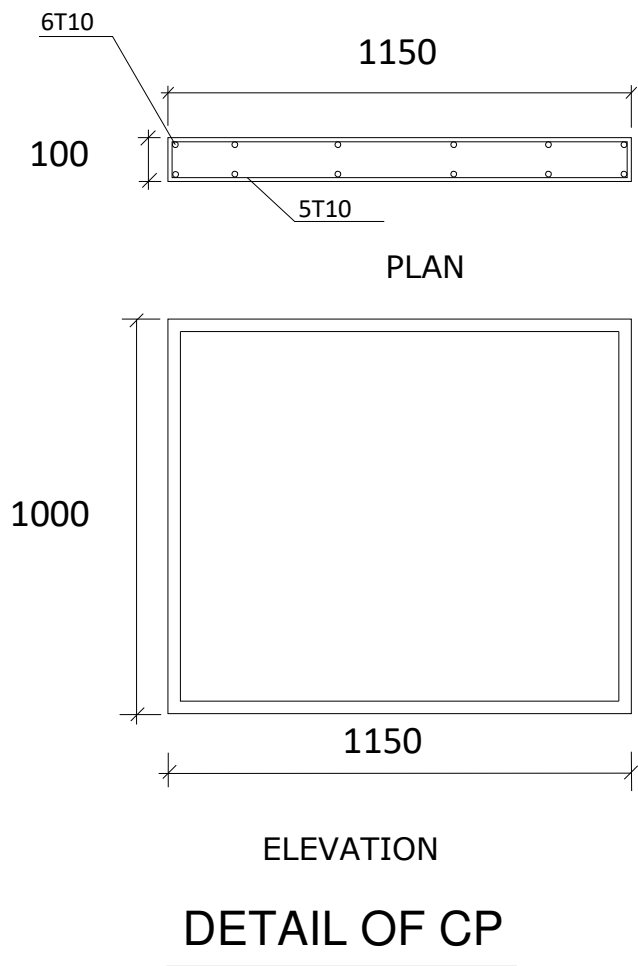
Excavation Side

earth side



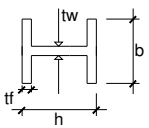
SCHEDULE OF CONCRETE PANEL

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

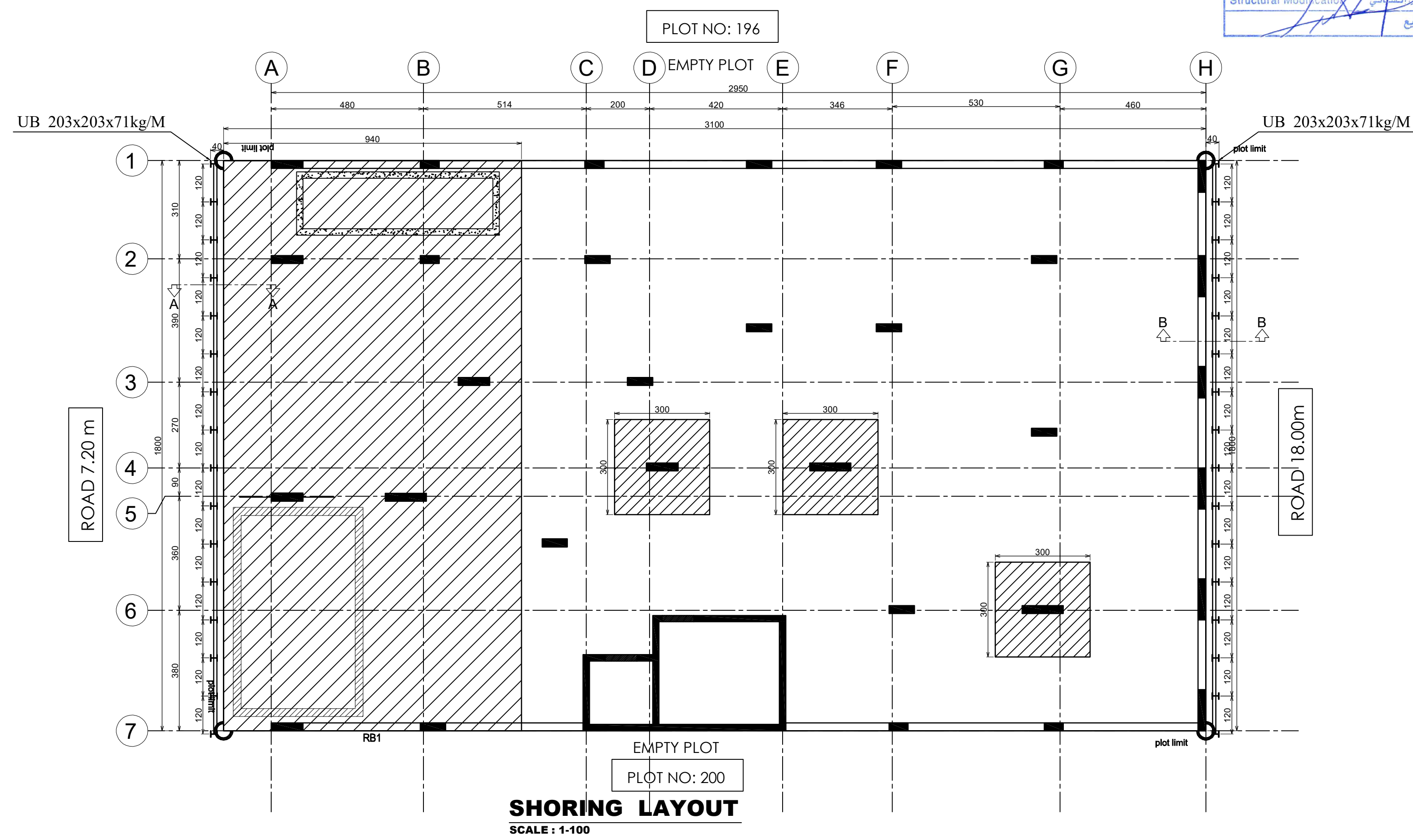
PROJECT :
MODIFICATION OF 2 NO.S OF
G+1 VILLAS (HOTEL) TO RESTAURANTS
+ PROPOSED : 2 G SERVICE BLOCKS
+ CAR PARKING + BOUNDARY WALL

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	

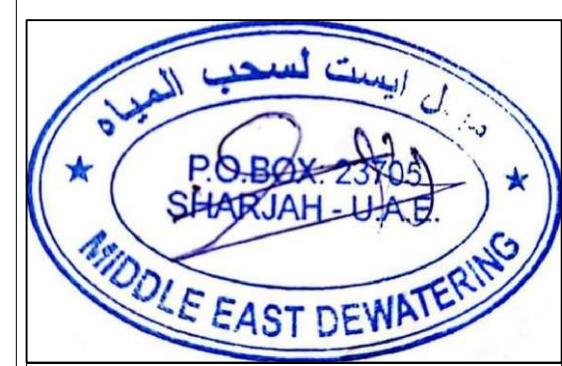
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قطاع الهندسة والمباني
إدارة تراخيص البناء
21/06/2023
تعديل انشائي
التوقيع

GENERAL NOTES:-
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3. ADDITIONAL DATA SHALL BE REQUESTED FROM THE ARCHITECT THROUGH WRITTEN CLARIFICATION.
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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)**

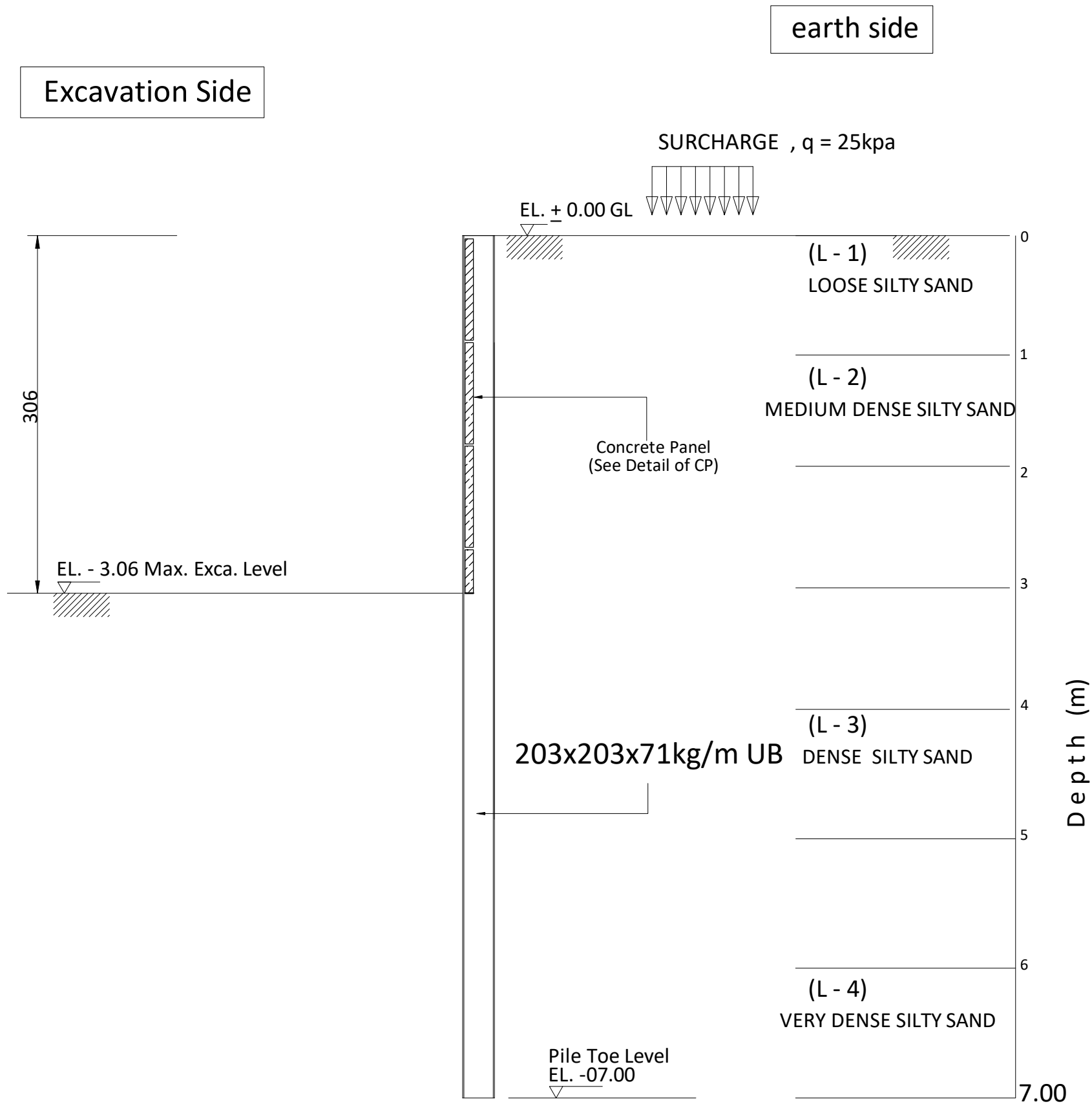
PROJECT LOCATION:
HOSHI

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			
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	

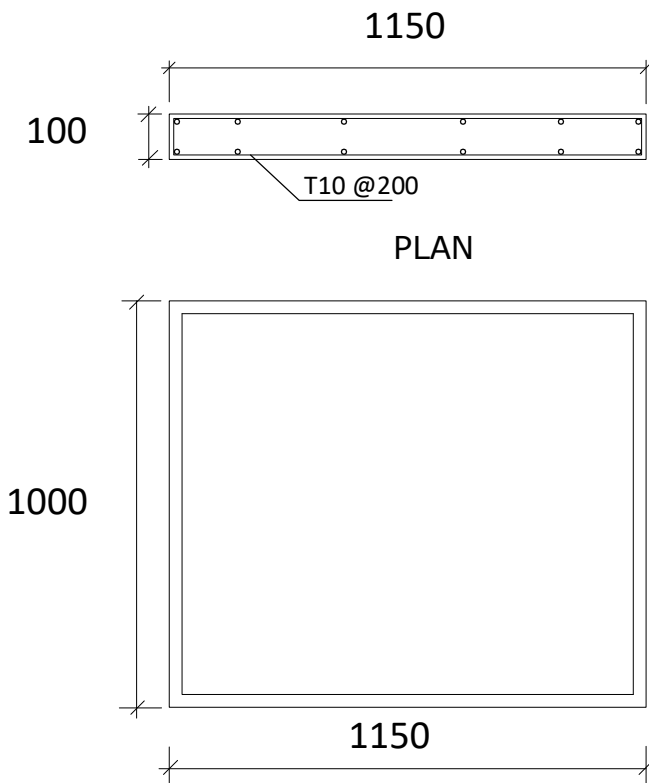
الشارقة للاستشارات الهندسية ذ م م
SHARJAH ENG. CONSULTANTS L.L.C
مخططات هندسية



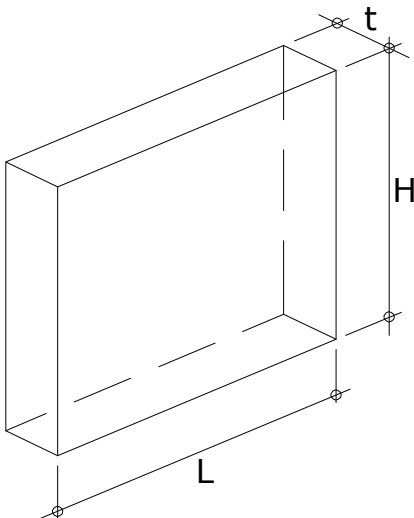
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



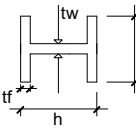
DETAIL OF CP



ISOMETRIC

DETAIL OF CP

SECTION PROPERTIES

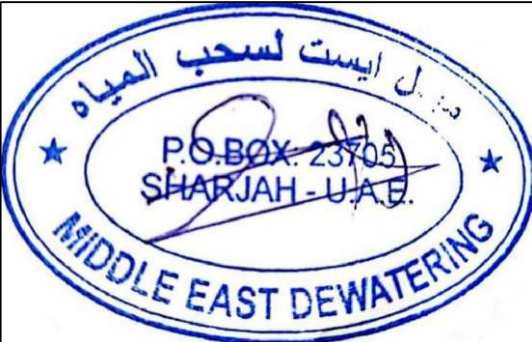


H-BEAM	L = 07.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



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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)**

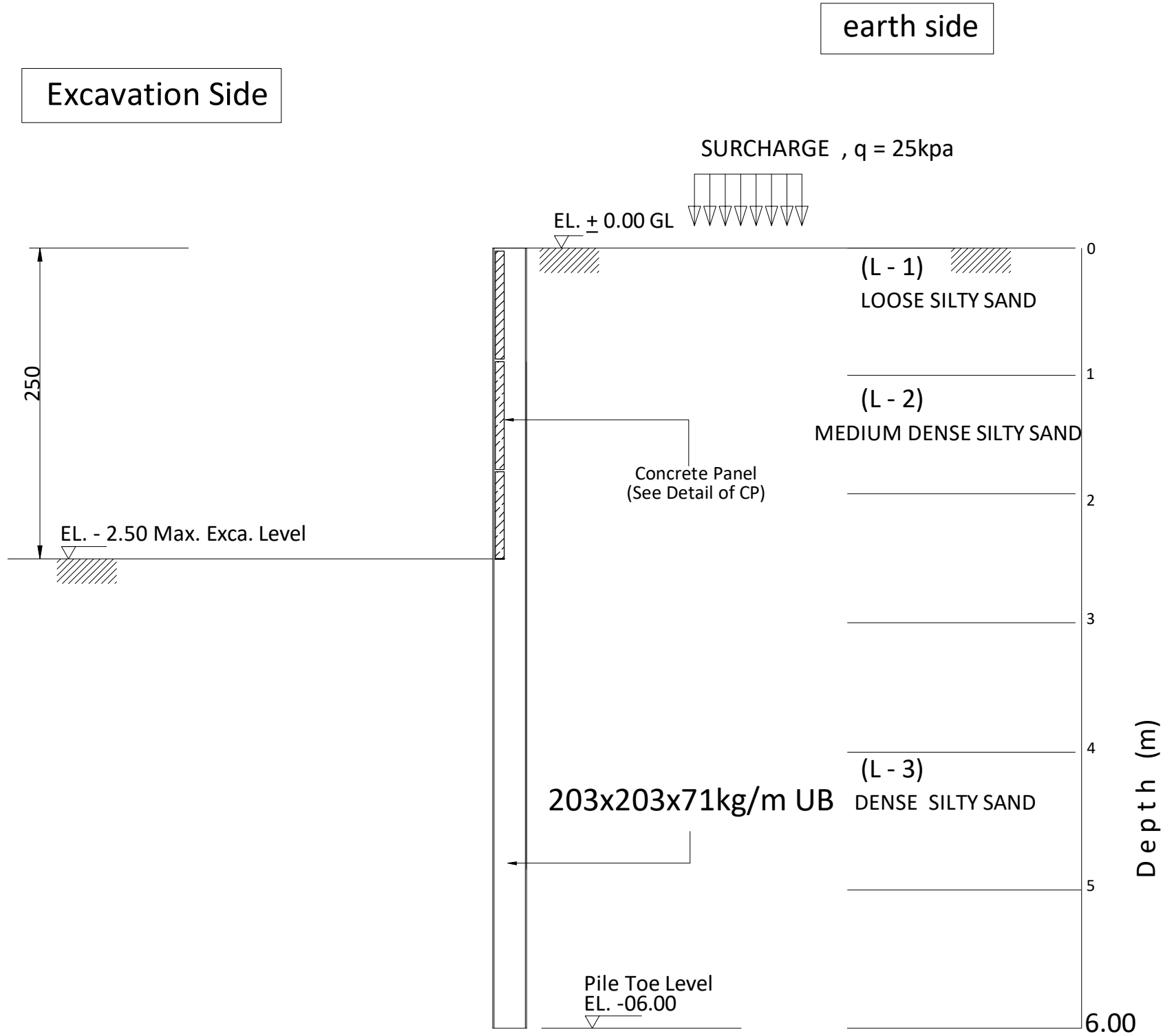
PROJECT LOCATION:
HOSHI

GOV.NO.: 197 MULK

PLOT NO.: 198

SHEET CONTENT:
**RAFT FOUNDATION
LAYOUT**

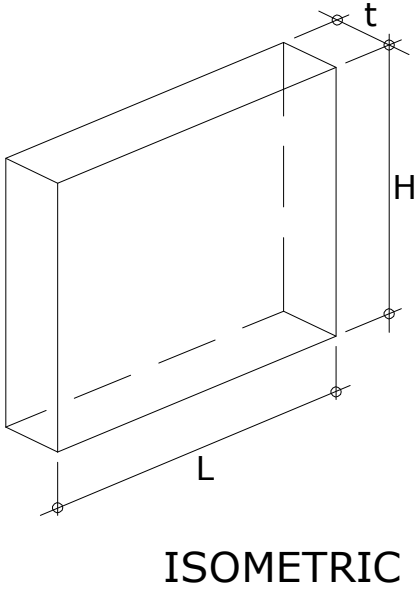
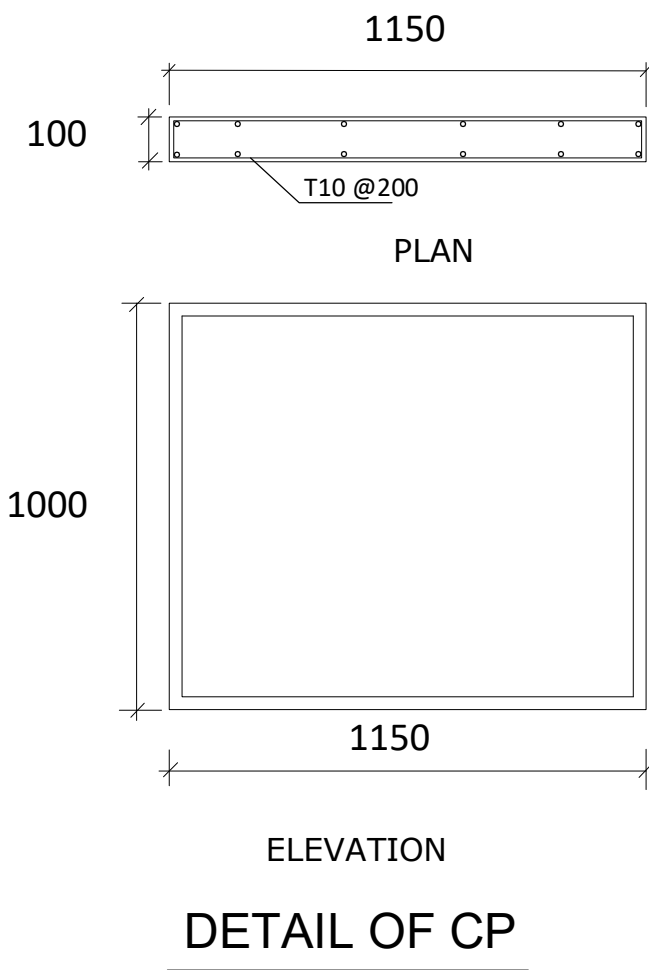
HEAD OF DESIGN SECTION	HEAD OF ENGINEERING SECTION
ARCH. DESIGNED BY	T. P. CREATED BY REVIT
STRUCT. DESIGNED BY	
ELEC. DESIGNED BY	MUN. CREATED BY REVIT
SERVICES DESIGNED BY	
Project NUMBER: 3749	DRAWING NUMBER: S-04
DATE 21-Apr-23	SCALE 1 : 100
REF. NO.	
NO.	DATE
	REVISIONS



SECTION B - B

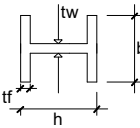
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



DETAIL OF CP

SECTION PROPERTIES

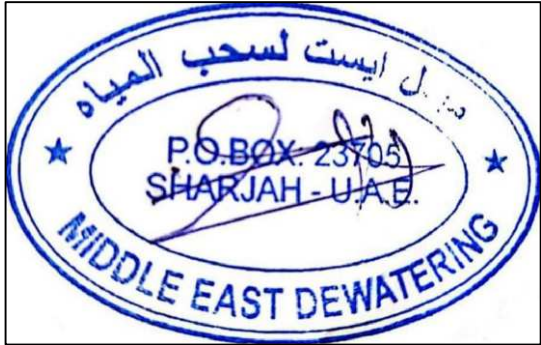


H-BEAM	L = 06.00m	Fy = 275 N/mm ²
SECTION	203x203x71kg/M	
MASS (kg/m)	71	
DEPTH,h (mm)	215.8	
WIDTH,b (mm)	206.4	
FLANGE,tf (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	



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 - 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.

- 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

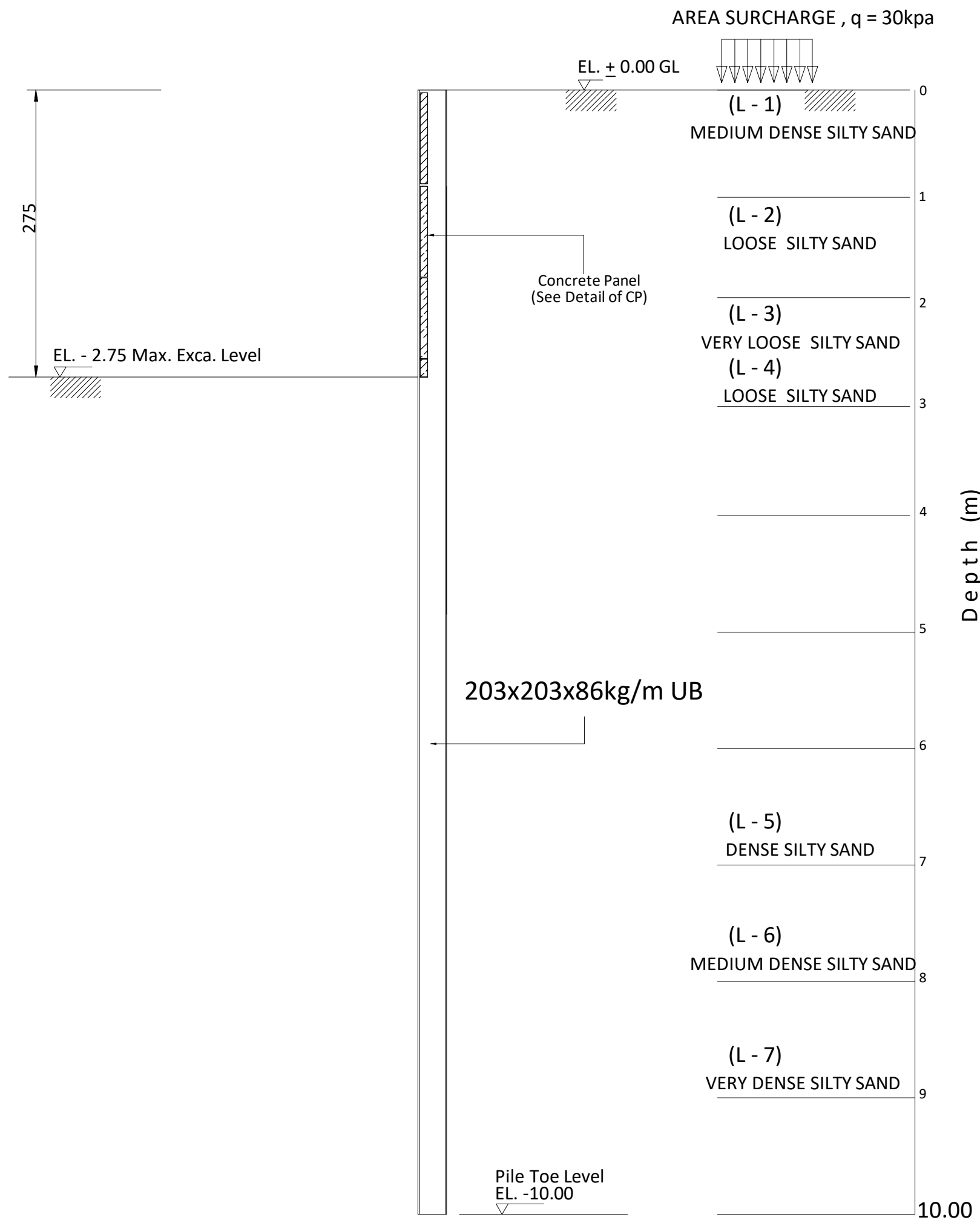
PLOT NO.: 198

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			
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	

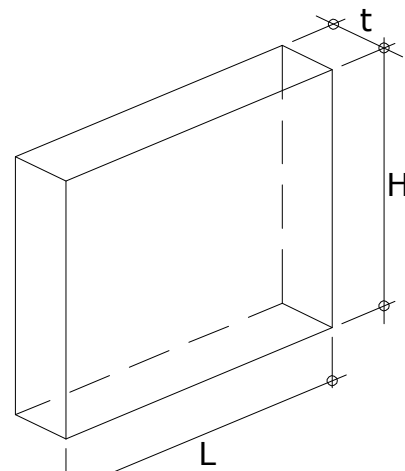
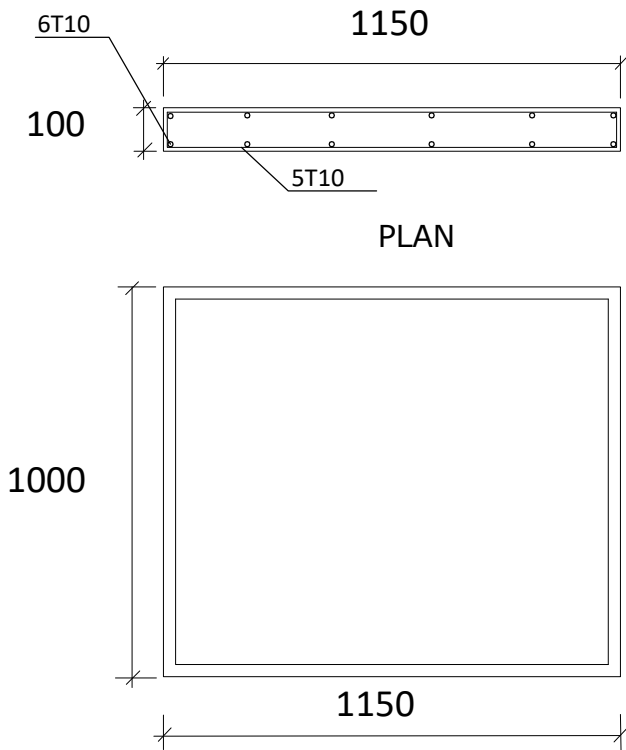
Excavation Side

earth side



SCHEDULE OF CONCRETE PANEL

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



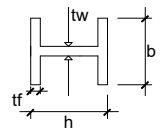
ISOMETRIC

DETAIL OF CP

DETAIL OF CP

DETAIL OF CP

SECTION PROPERTIES



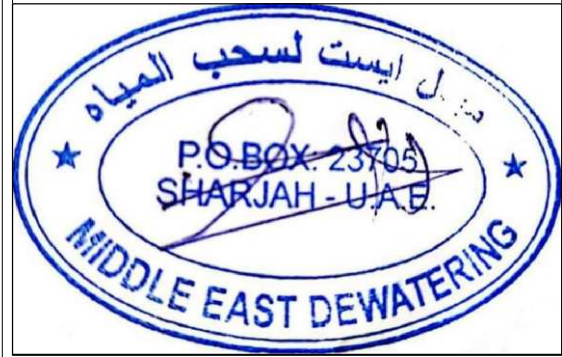
H-BEAM	L = 10.00m	Fy = 275 N/mm ²
SECTION	203x203x86kg/M	
MASS (kg/m)	86.1	
DEPTH,h (mm)	222.2	
WIDTH,b (mm)	209.1	
FLANGE,tf (mm)	20.5	
WEB,tw (mm)	12.7	
MODULUS, Zx		
PLASTIC (cm ³)	850	

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

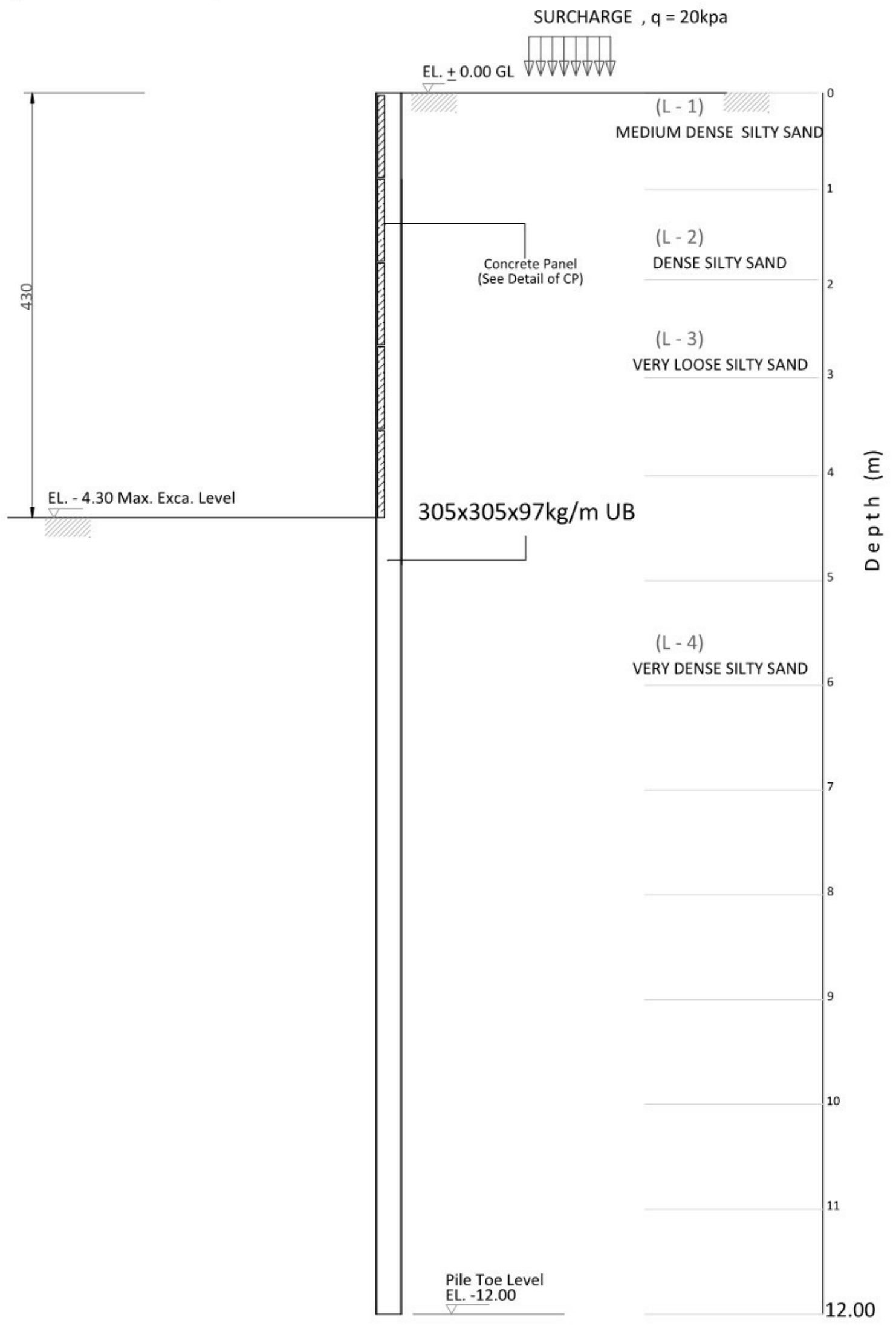
ARCHITECT		REG.NO	
STRUCTURE ENG.		REG.NO	
ELECTRICAL ENG.		SIGN	
MECH. ENG.		SIGN	
DESIGN / CAD BY	E. MAHMOOD.H	DATE	11 JAN 2023
CHECKED BY:		DATE	

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

SCALE :		PROJECT NO.
1: 100		601

Excavation Side

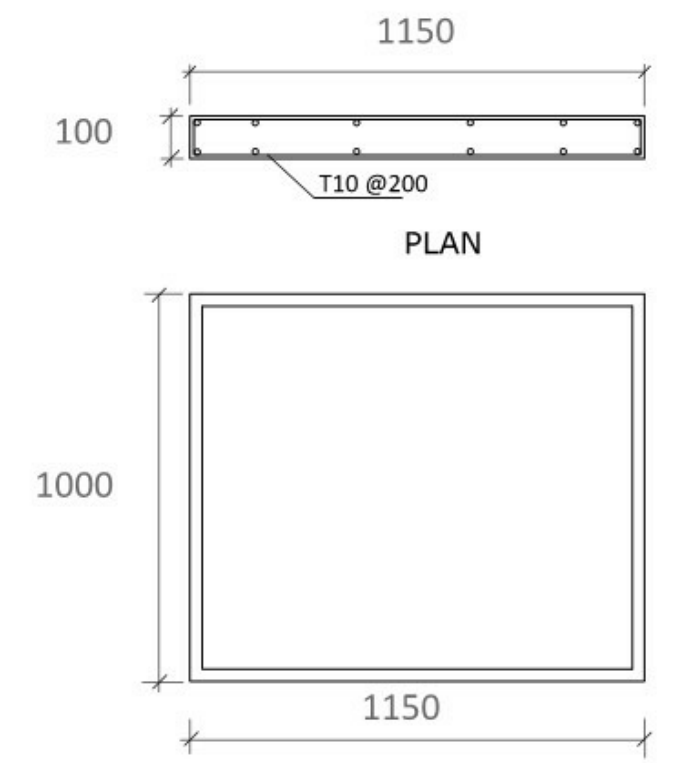
earth side



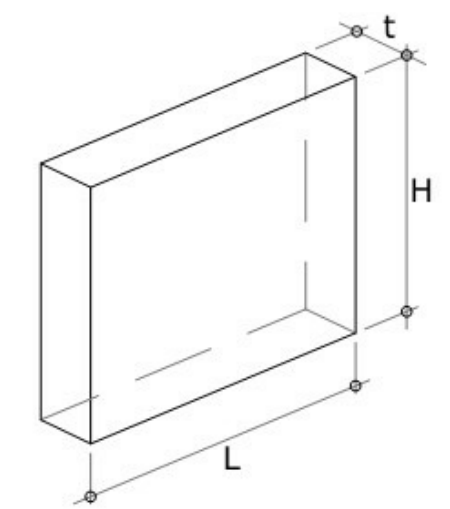
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			

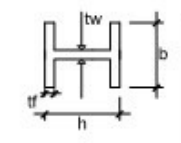


DETAIL OF CP



DETAIL OF CP

SECTION PROPERTIES



H-BEAM	L = 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

GENERAL NOTES:

- THE DRAWING IS THE PROPERTY OF SHAPE ARCHITECTURAL PRACTICE - RESERVA SHARJAH. IT MUST NOT BE REPRODUCED, COPIED OR USED WITHOUT THE CONSULTANTS WRITTEN AUTHORITY.
- THIS DRAWING IS TO BE USED IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, ELECTRICAL DRAWINGS AND ALL RELEVANT DRAWINGS.
- DRAWINGS ARE NOT TO BE SCALE FROM THIS DRAWING. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT AND THEIR SUB CONTRACTORS ARE TO ENSURE ALL RELEVANT CODES OF PRACTICE AND CURRENT LAWS ARE OBSERVED TO ENSURE THE PROVISIONS OF ALL APPLICABLE REQUIREMENTS AND SAFETY DURING THE WORKS.
- ANY DISCREPANCIES, CLASHES BETWEEN THE DRAWINGS AND THE SITE CONDITIONS OR BETWEEN THE DRAWING AND OTHER CONSULTANTS OR SUPPLIERS DRAWINGS SHOULD BE REPORTED TO THE ARCHITECT IMMEDIATELY UPON THE COMMENCEMENT OF THE WORKS.

SUB CONSULTANTS:

ARCHITECT OF RECORD:

CIVIL CONSULTANT:

INTERIOR DESIGN CONSULTANT:

STRUCTURAL CONSULTANT:

KEY PLAN / AUTHORITY STAMP:

14-12-2023

Structural Modification

تعديل إنشائي

التوقيع

م.د. وليد سعيد المنيه

P.O. BOX 23703

SHARJAH - U.A.E.

MIDDLE EAST DEWATERING

SUB CONTRACTOR:

MIDDLE EAST DEWATERING & FOUNDATION L.L.C

00 ISSUE FOR MUNICIPALITY 13-APR-2023

NO. DESCRIPTION DATE

REVISION HISTORY

CONSULTANT:

SHAPE

SHAPE

TEAM BUSINESS CENTER, SUITE 201, SHARJAH, UNITED ARAB EMIRATES

P.O. BOX 10480, T. +971 04 342555, F. +971 04 342555, E. info@shape.ae

ABDULLA ALI AL-SHAMSIS

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:

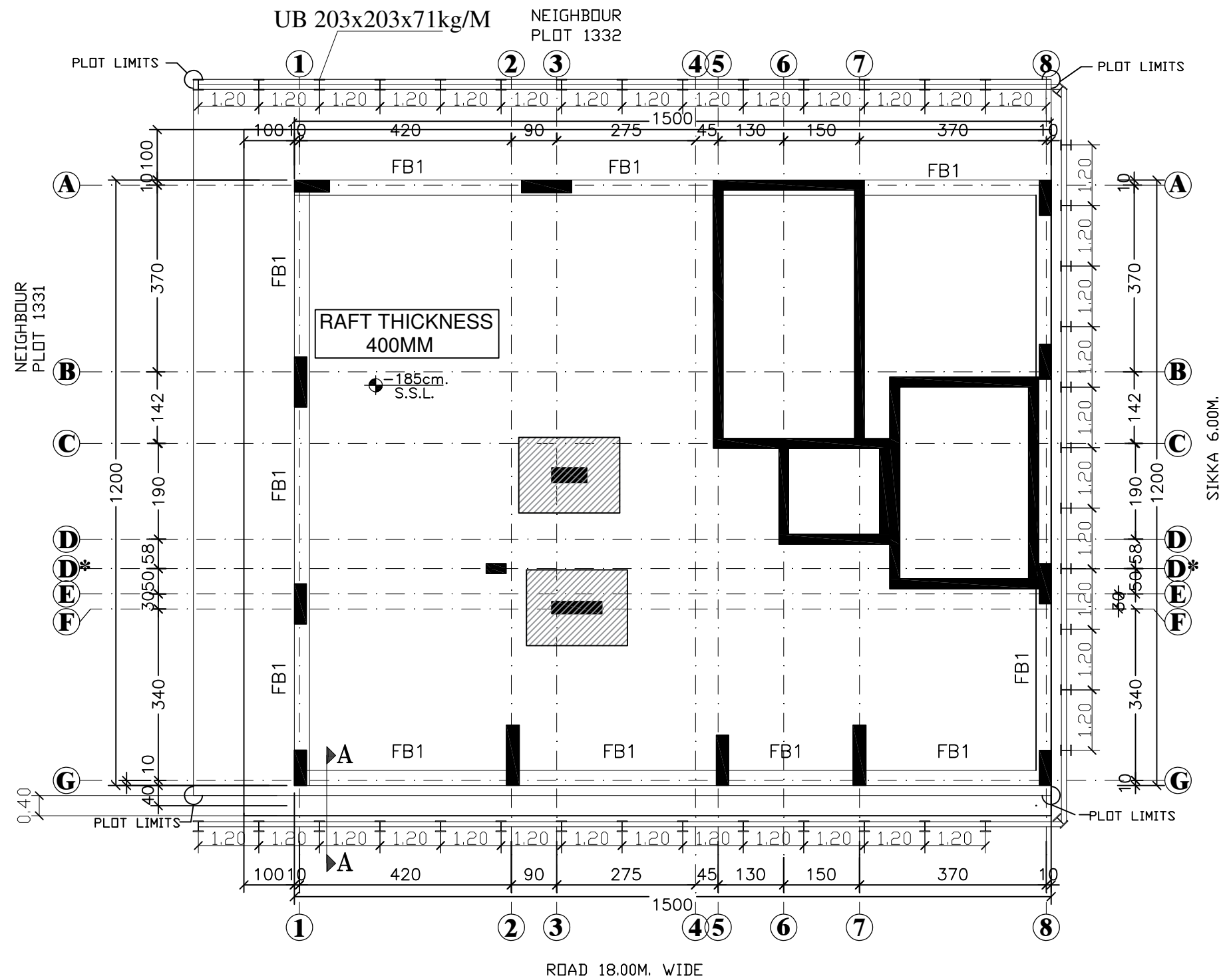
M.H. M.H.

DRAWING TITLE:

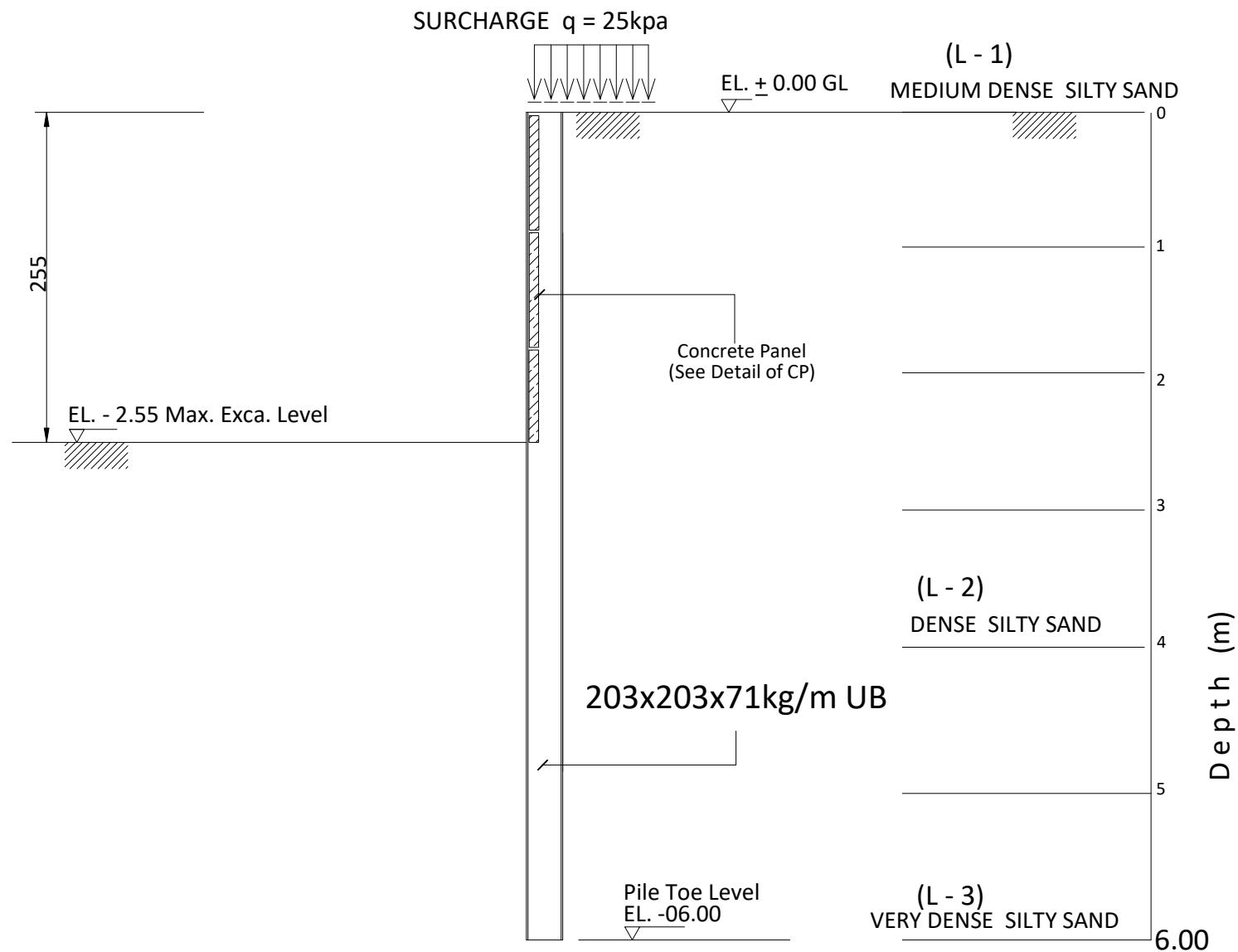
SHORING SECTION A

DRAWING NO: REV:

00



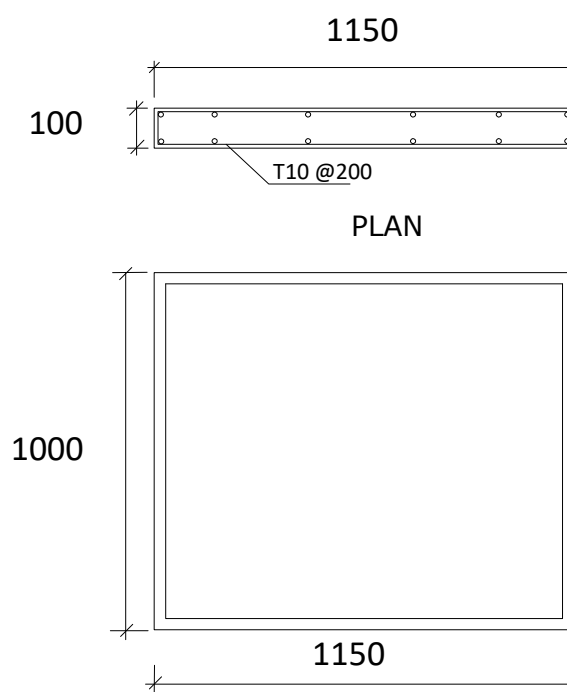
Excavation Side



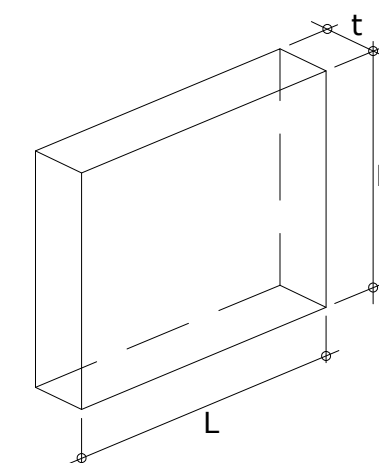
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



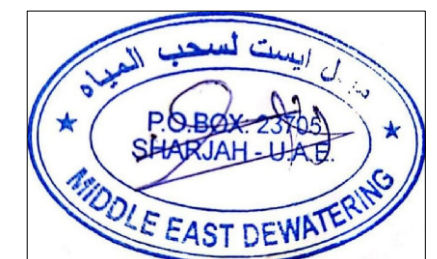
DETAIL OF CP



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

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

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

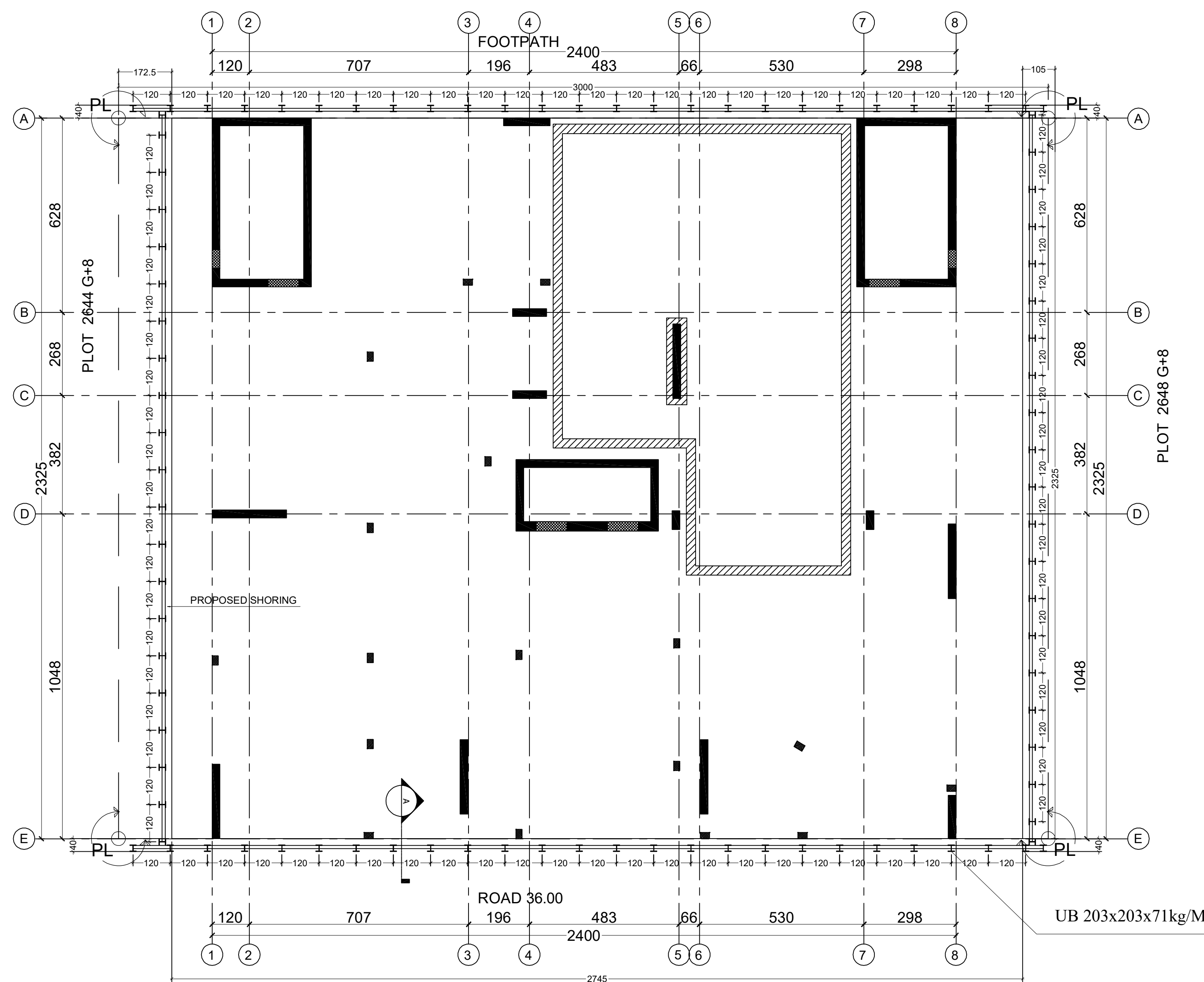
الموضوع : تعمد

بالإشارة إلى الموضوع أعلاه ، نتعمد نحن شركة ميدل إيست ديمتيرينج و فاونديشن ل.ل.ك. بالاعتماد على المخططات والمواصفات الخاصة بالمشروع ، وبأننا نؤكد على صحتها وكما يلي :



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

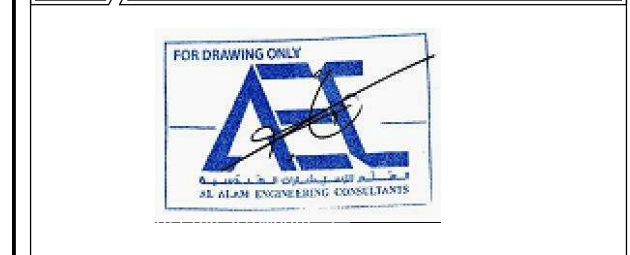


SHORING LAYOUT

- 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

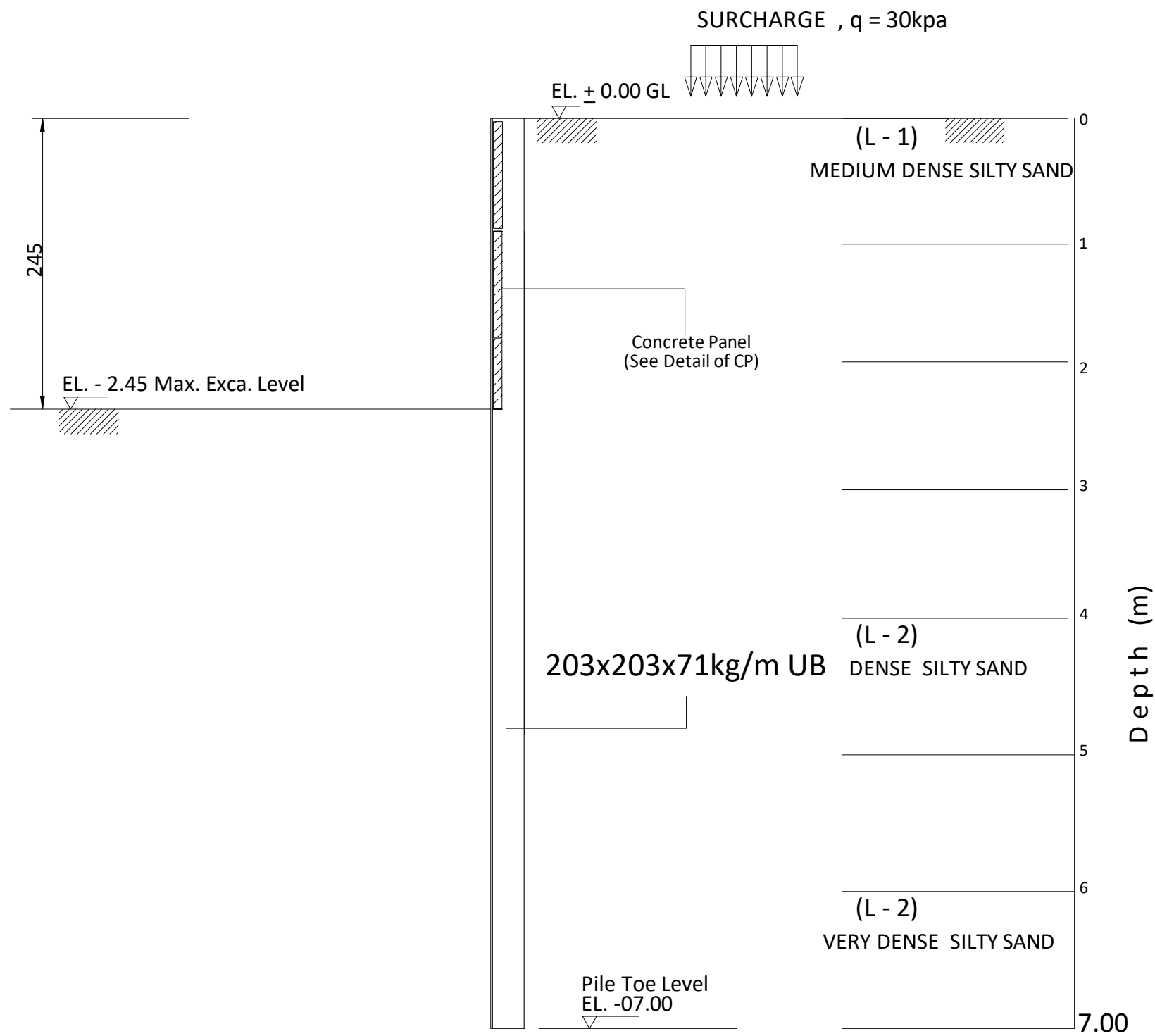
DRAWING TITLE: SHORING LAYOUT



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

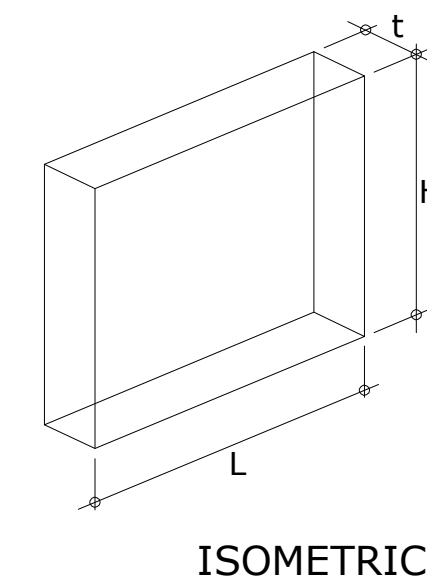
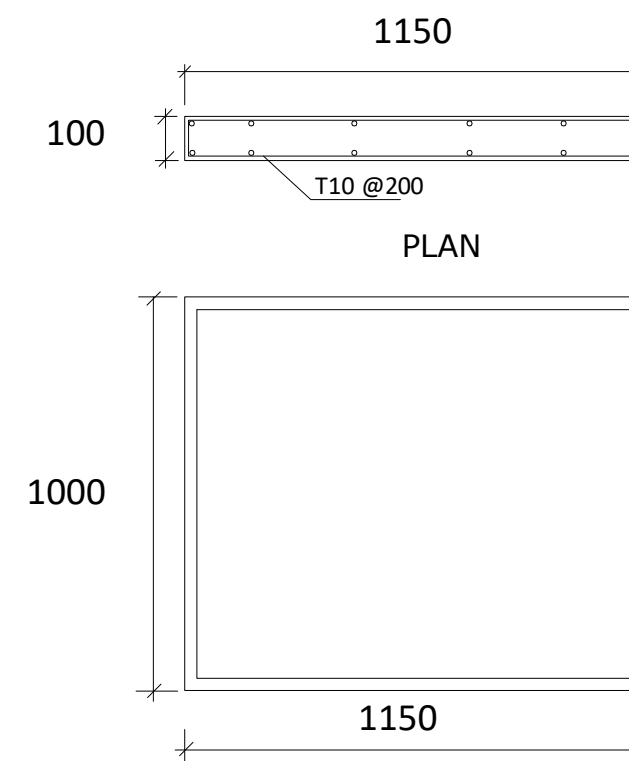
earth side



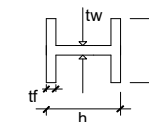
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION		REMARKS
100	1000x1150		



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)

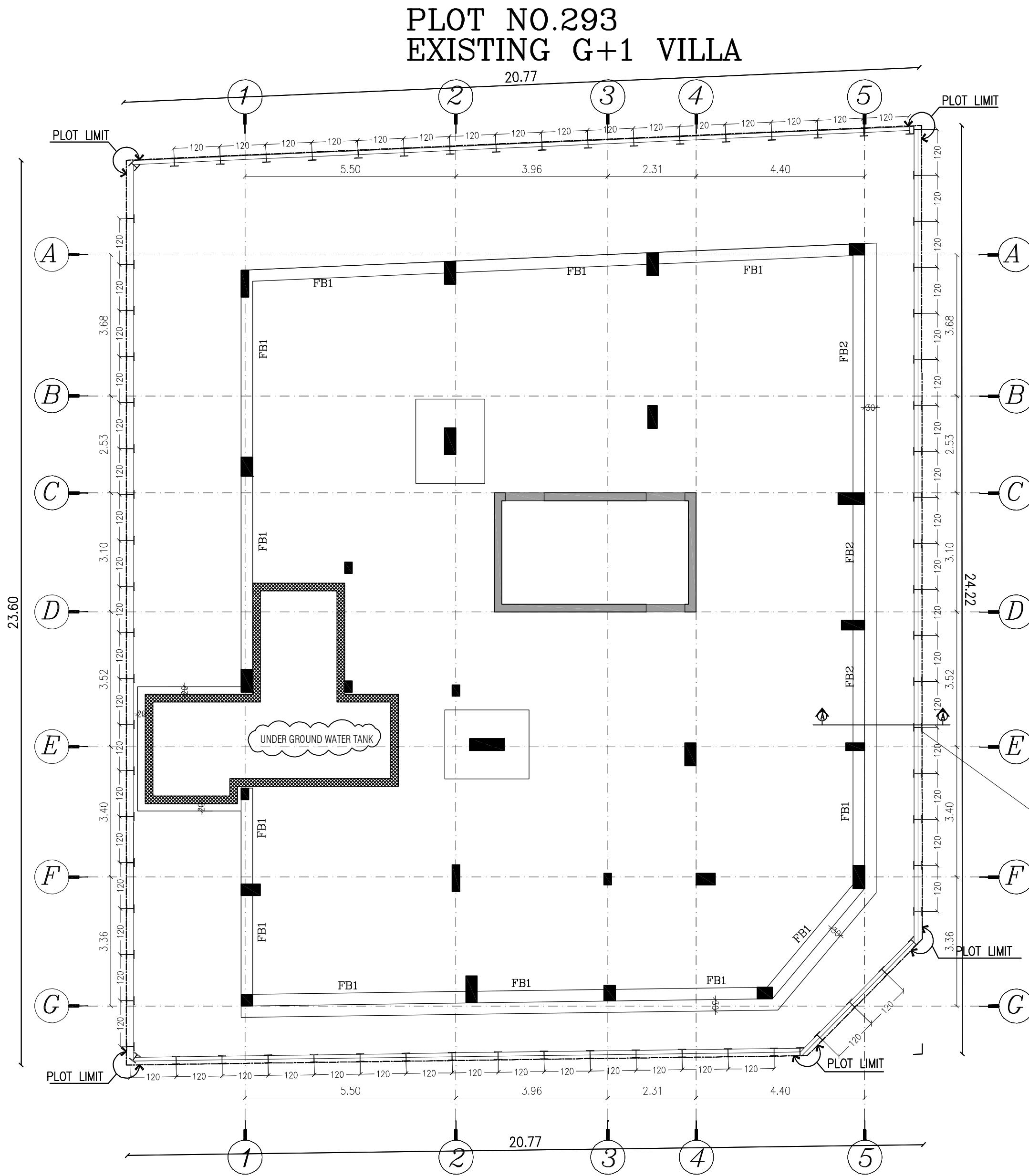
CLIENT: MR. SALEM ISMAIL FAIROUZ ALHARTHI

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: H.S
JOB No: 648

PLOT NO.291
EXISTING G+1 VILLA



SHORING LAYOUT

UB 203x203x71kg/M

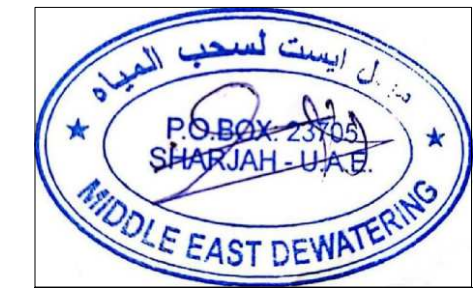
MED
ميدل إيست لسحب المياه
Middle East Dewatering

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 والطرق المجاورة للمشروع بتنفيذ أعمال بناء حواجز الحفر بالخرق و أمانات سواطينا 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



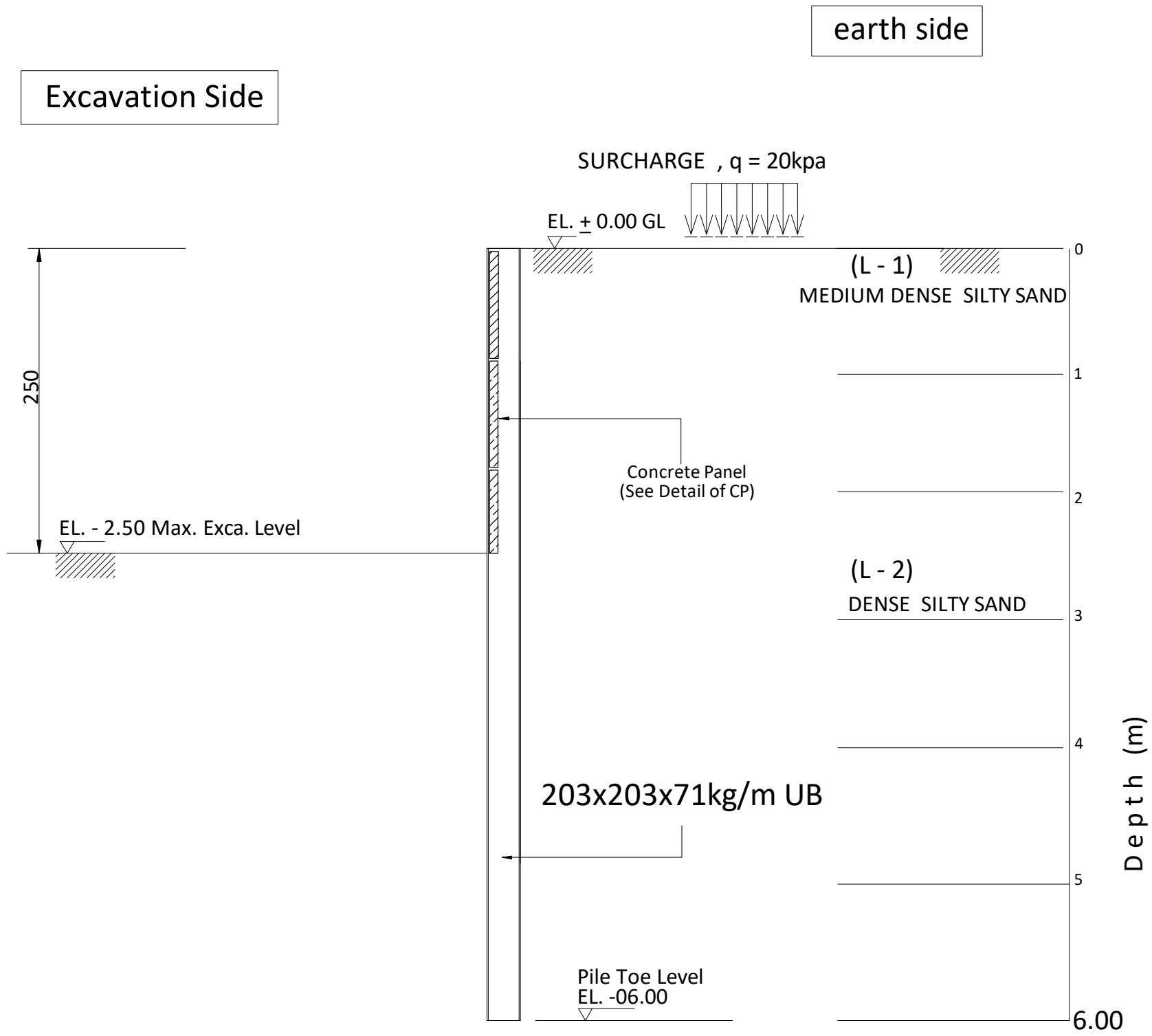
Drawing
Title.

SHORING LAYOUT

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

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

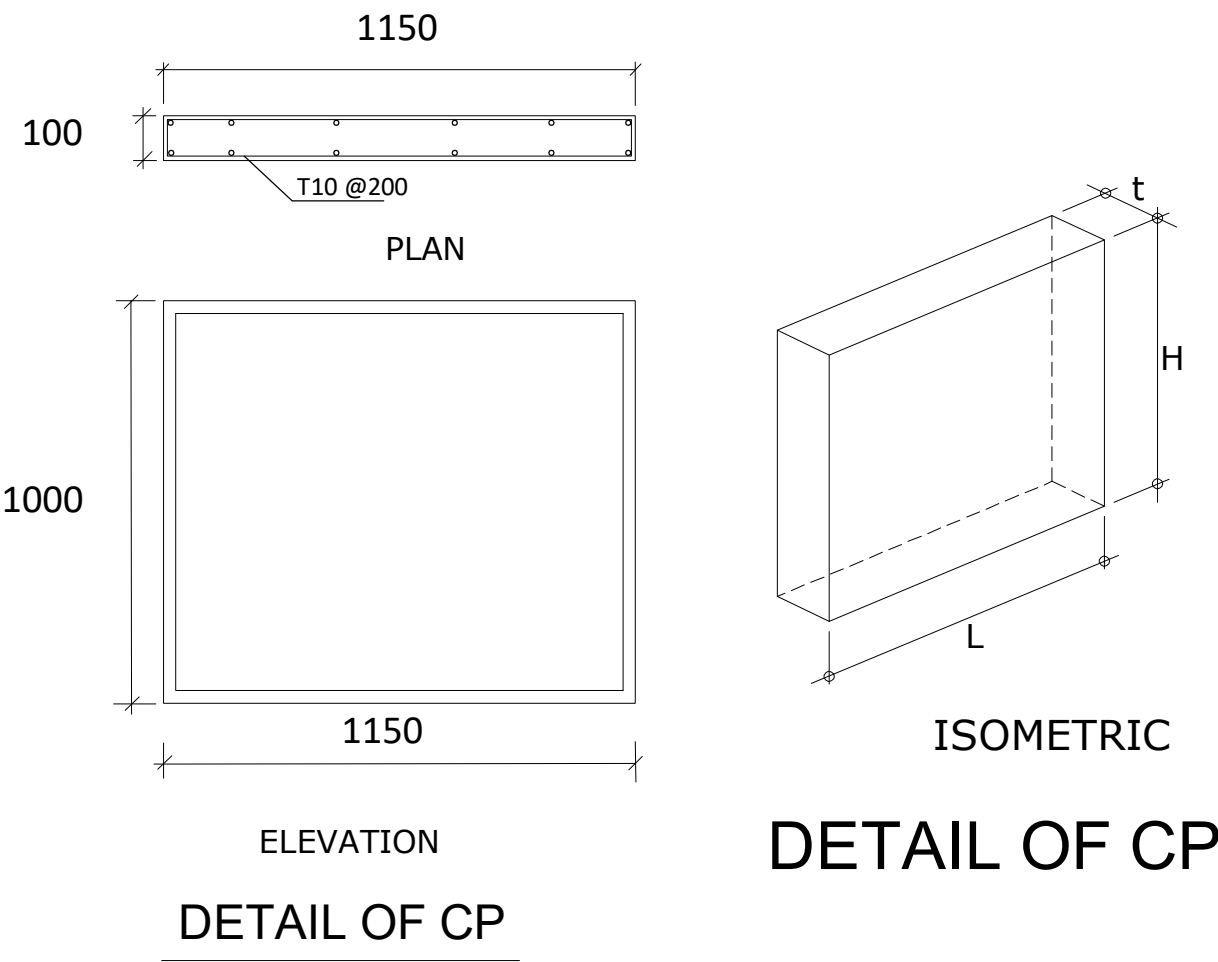
Drawing Number : 2-4



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



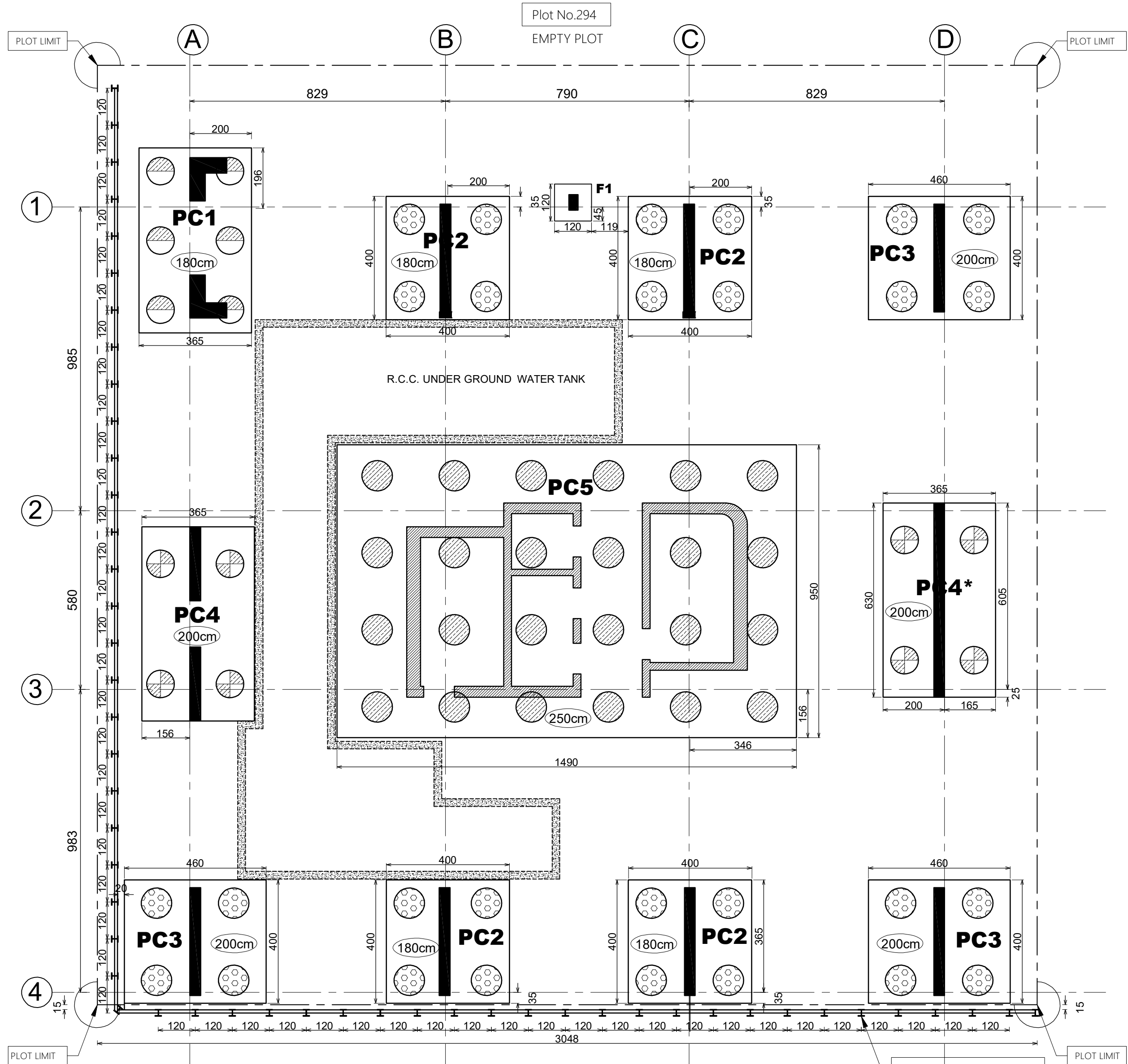
Drawing
Title.

SHORING SECTION

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

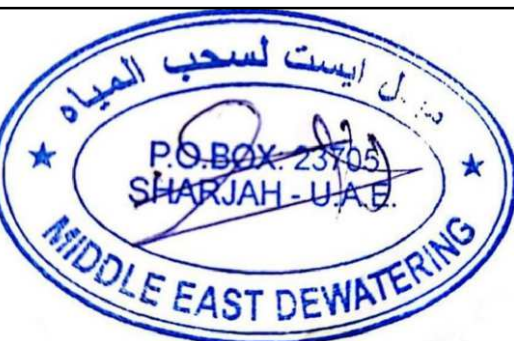
Scale: 1 / 100 Design:M.H Checked by:H.S

Drawing Number : 2-4



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. 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.



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

هارموني آرت
الاستشارات الهندسية
Tcl : 0097163509608
Mob : 00971559668730

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

CLIENT
MR:YAQOOB ABDUL RAHIM MUHAMED BIN KARAM AL FARSI

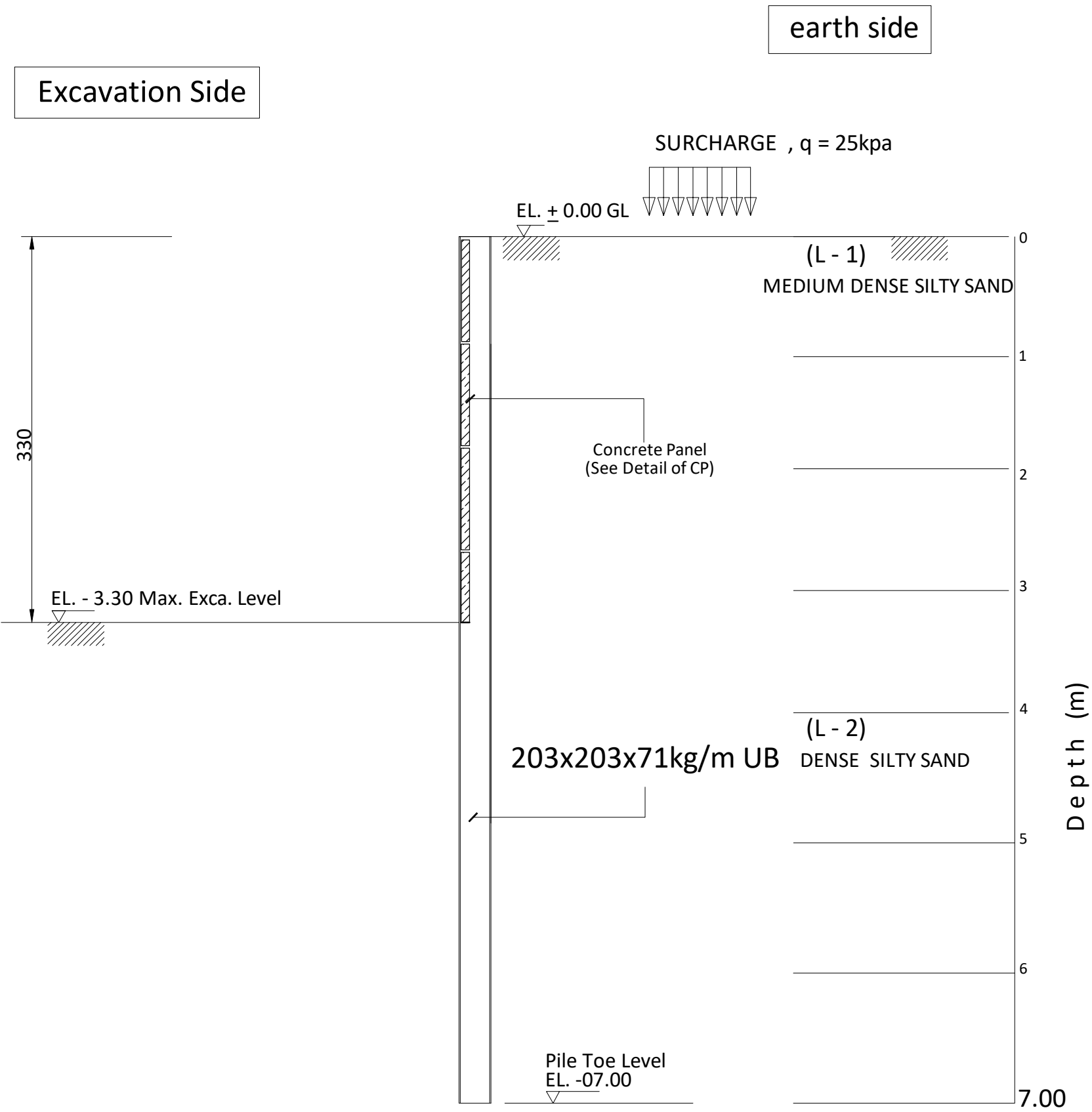
PROPOSED PROJECT
PROPOSED BUILDING G+5 PARKING + 15 TYPICAL+H.C

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	MUN.DRAW BY: ENG.
ELECTRICAL DESIGN BY: ENG.	DRAW BY: ENG.	
SERVICES DESIGN BY: ENG.	DRAW BY: ENG.	

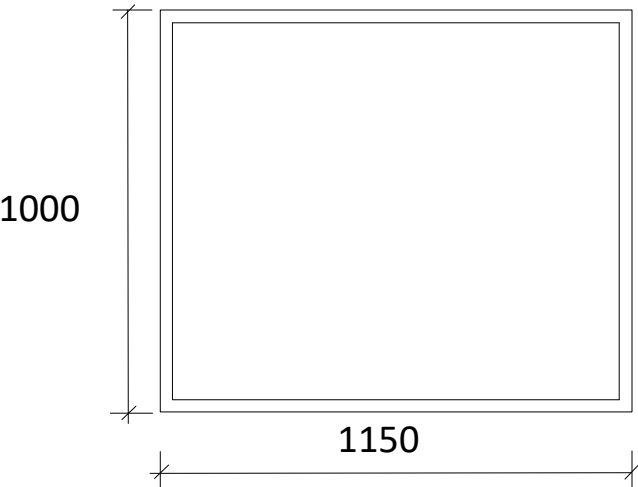
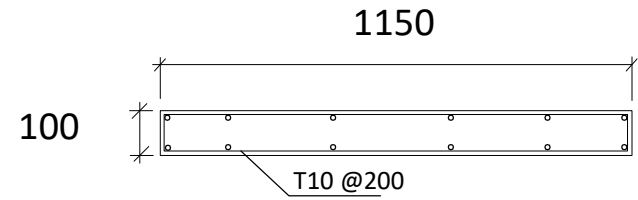
JOB NO:		DRWG. NO :	
DATE 07-05-2023	SCALE 1:100	REF. NO.	
NO.	DATE	R E V I S I O N S	



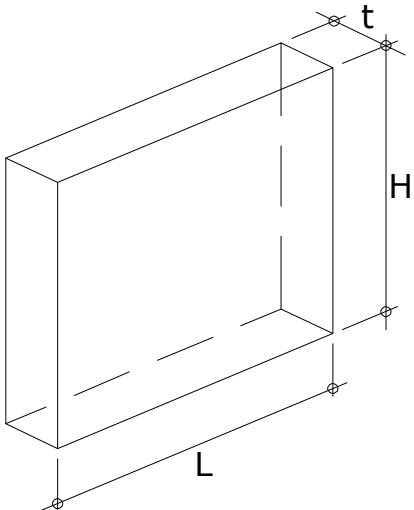
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			

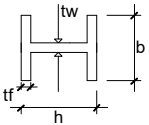


DETAIL OF CP



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

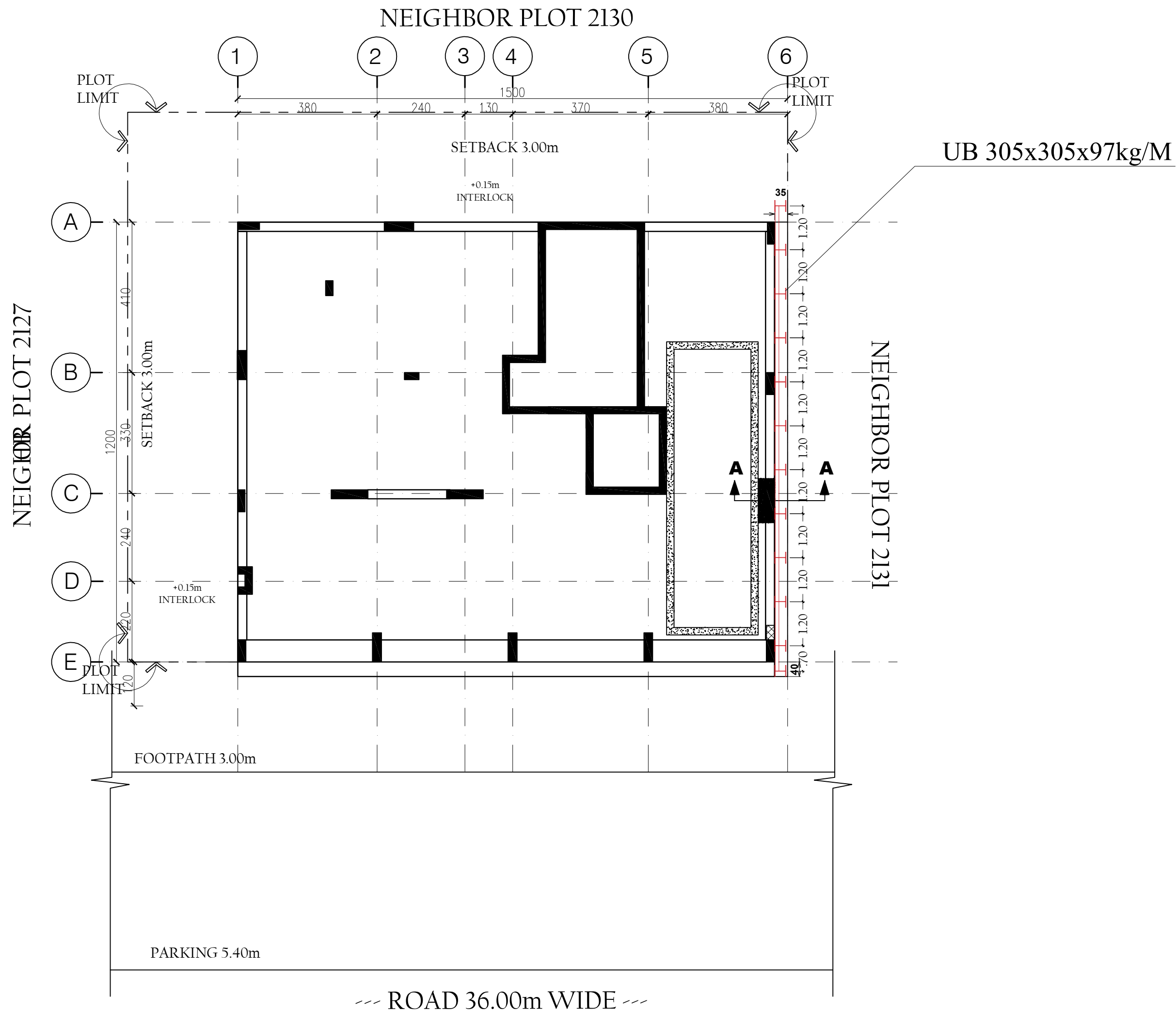
SHEET CONTENT
SHORING SECTION

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



- 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

Fcu = 40 MPa at 28 days
Fy of all Reinforcement bar = 460 MPa



Rcc Flat Plate



SUB CONTRACTOR :

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

DEYAR STAMP :



DATE	REVISIONS



PROJECT NAME:

PROPOSED BUILDING (G +3)

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

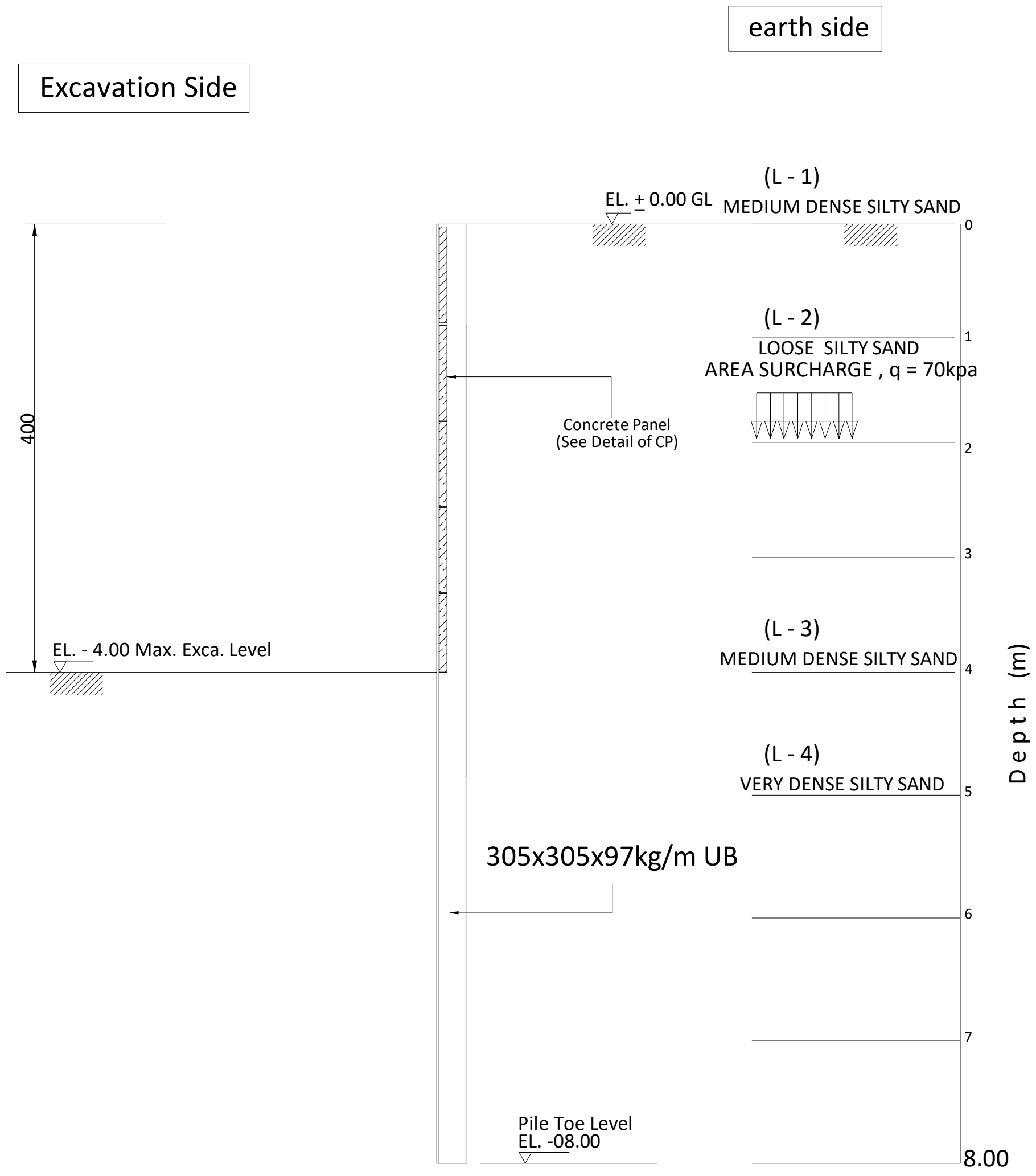
CLIENT'S NAME:

ZAYED AHMED SALEM MUBARAK

DRAWING TITLE:

SHORING LAYOUT

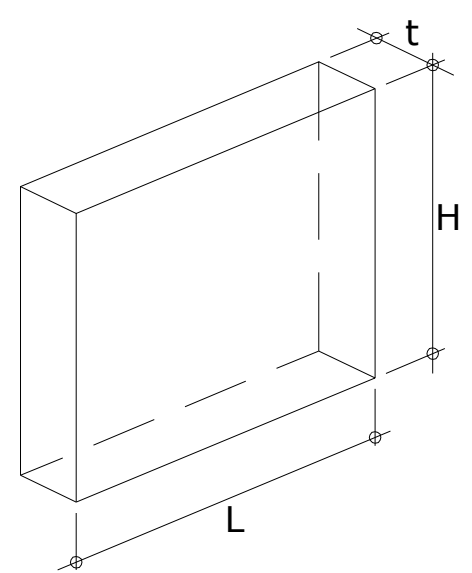
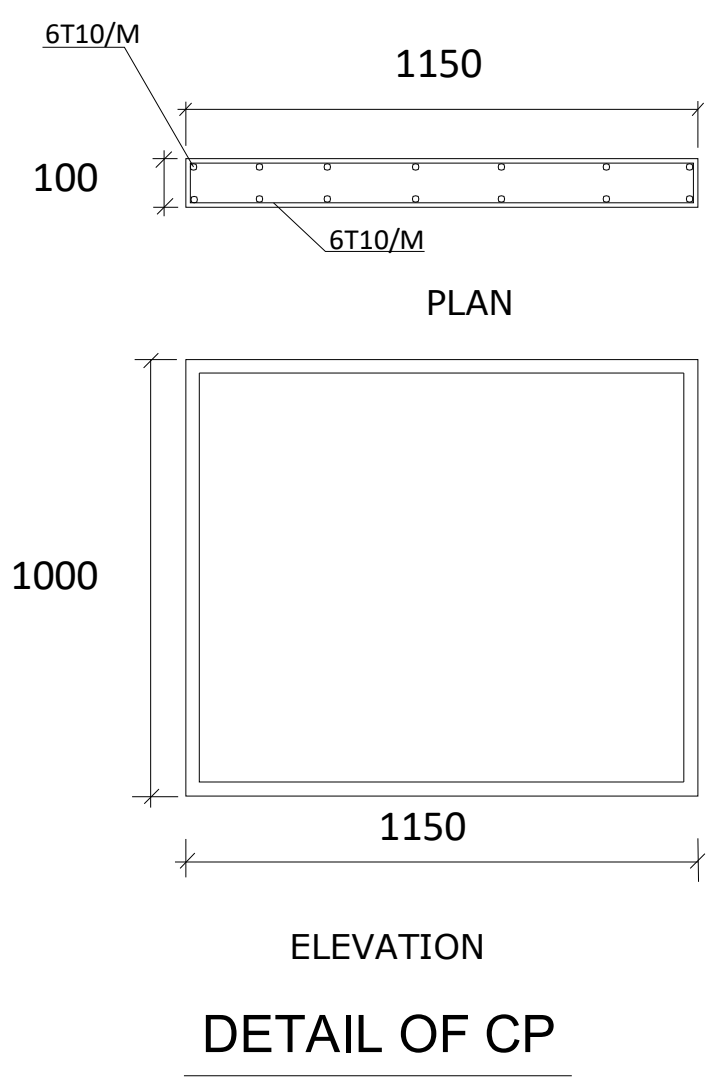
SECTION	STRUCTURE	DRAWING. No.
STRUC'L ENGR.	M.H	JOB No. 2066
ARCHITECT		
MEP ENGR.		
DATE	DECEMBER 2022	



SECTION A - A

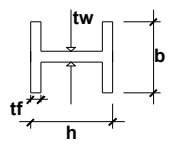
SCHEDULE OF CONCRETE PANEL

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



DETAIL OF CP

SECTION PROPERTIES

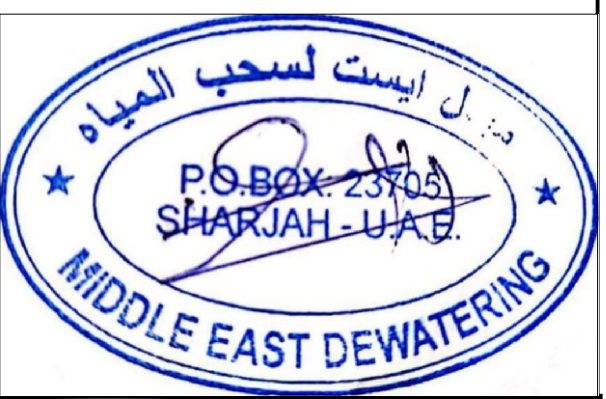


H-BEAM	L = 08.00m
SECTION	305x305x97kg/M
MASS (kg/m)	96.9
DEPTH,h (mm)	307.9
WIDTH,b (mm)	305.3
FLANGE,tf (mm)	15.4
WEB,tw (mm)	9.9
MODULUS, Zx PLASTIC (cm ³)	1445

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

Fcu = 40 MPa at 28 days
Fy of all Reinforcement bar = 460 MPa



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

DEYAR STAMP :

 **ديار للاستشارات الهندسية ذ.م.م**
DEYAR ENG. CONSULTANCY LLC
Tel: 06 5735505, Fax: 06 5739909
P.O.Box: 25737, Sharjah - U.A.E.

DATE	REVISIONS

DEYAR  **ديار**

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

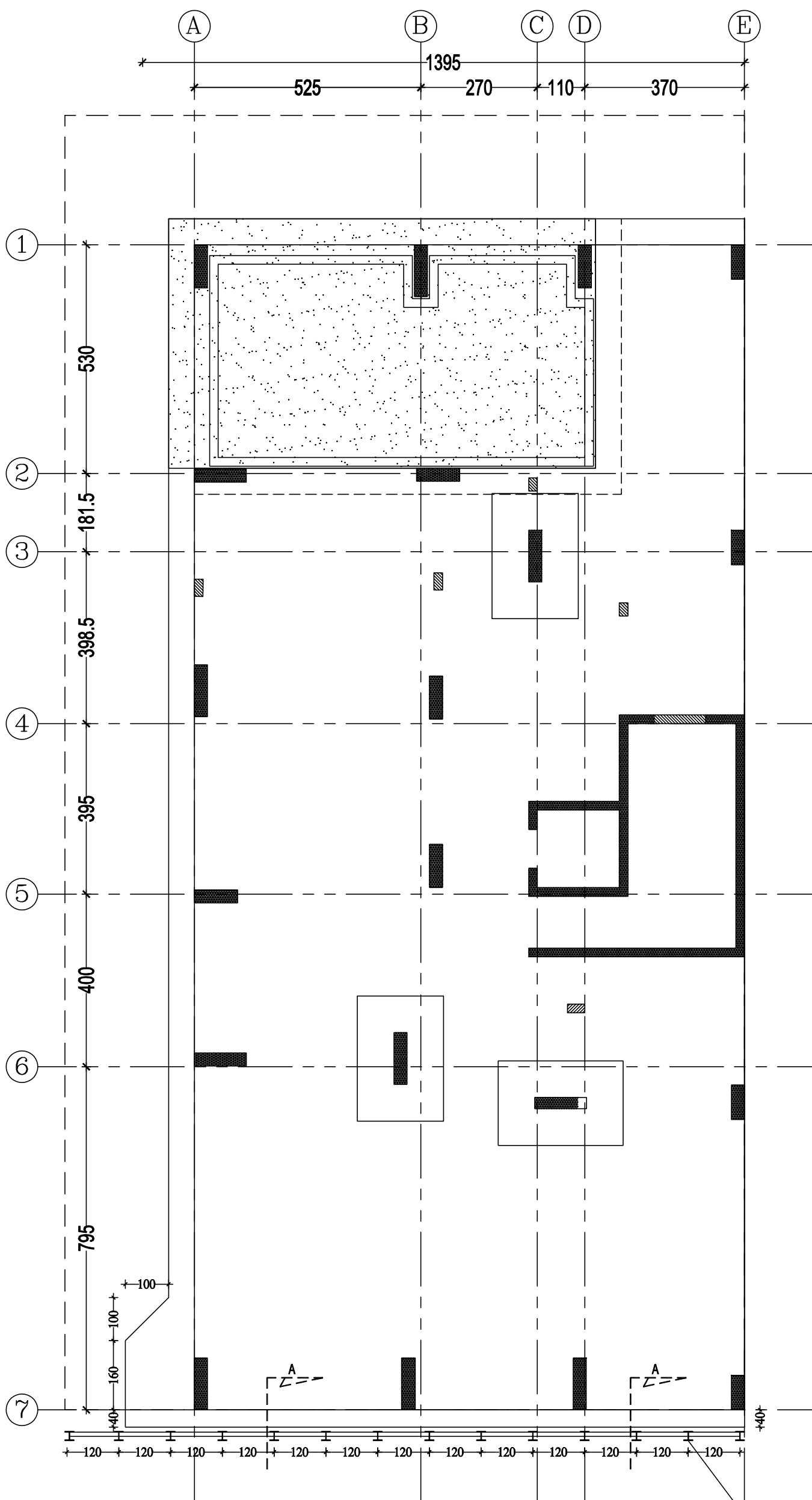
PROJECT NAME:
PROPOSED BUILDING (G +3)

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		
بوابة الخليج لمقرات البناء ذ.م.م		
الاستشاري		
العلم للاستشارات الهندسية		
المالك		
منصور ابراهيم موسى النقيديان		
رقم اجازة البناء	685	التاريخ 2025-01-16
رقم قطعة الأرض	6463	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 على أن تتم ازالته بعد الإنتهاء من الأصل	رقم العمل ---
التفاصيل المحيطة	ش.ر.ع اسفلتي	
مساحة الاسفلت	---	
قيمة الرسوم	---	قيمة التأمين
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 أو بالملمتلكات 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 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 6463	PROPERTY 88/3197
PROJECT:	PROPOSED BUILDING (G + 4 + 50% FROM ROOF)	
CLIENT:	MANSOUR IBARHEEM MOUSA ALNOGAIDAN	
DRAWING TITLE:	SHORING LAYOUT	

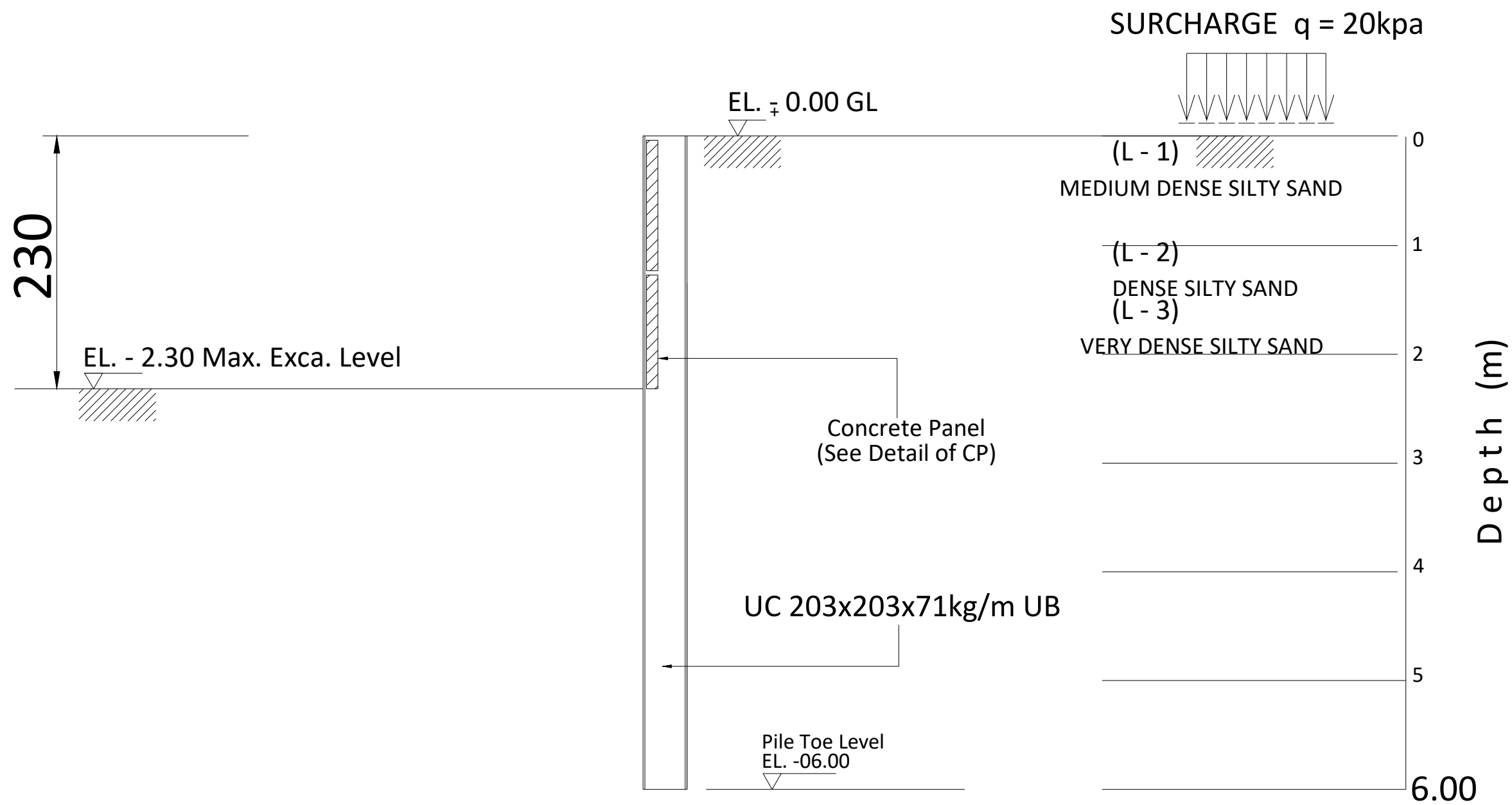


Date: 01/2025	Drawn By: M.H
Scale:	Design By: M.H
Sheet No:	Checked By: M.H
JOB No: 665	

STRU

EXCAVATION SIDE

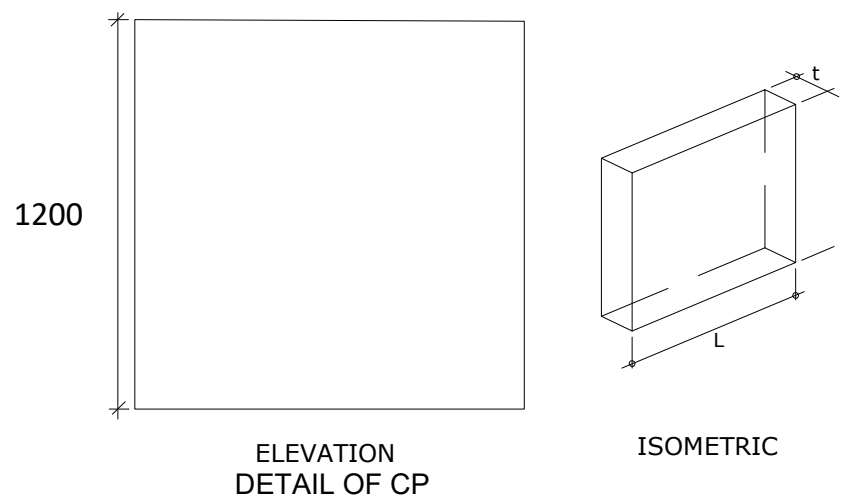
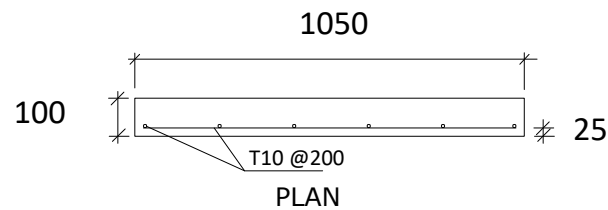
EARTH SIDE



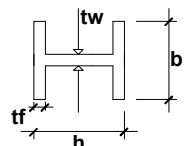
SECTION A - A

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.
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 - 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

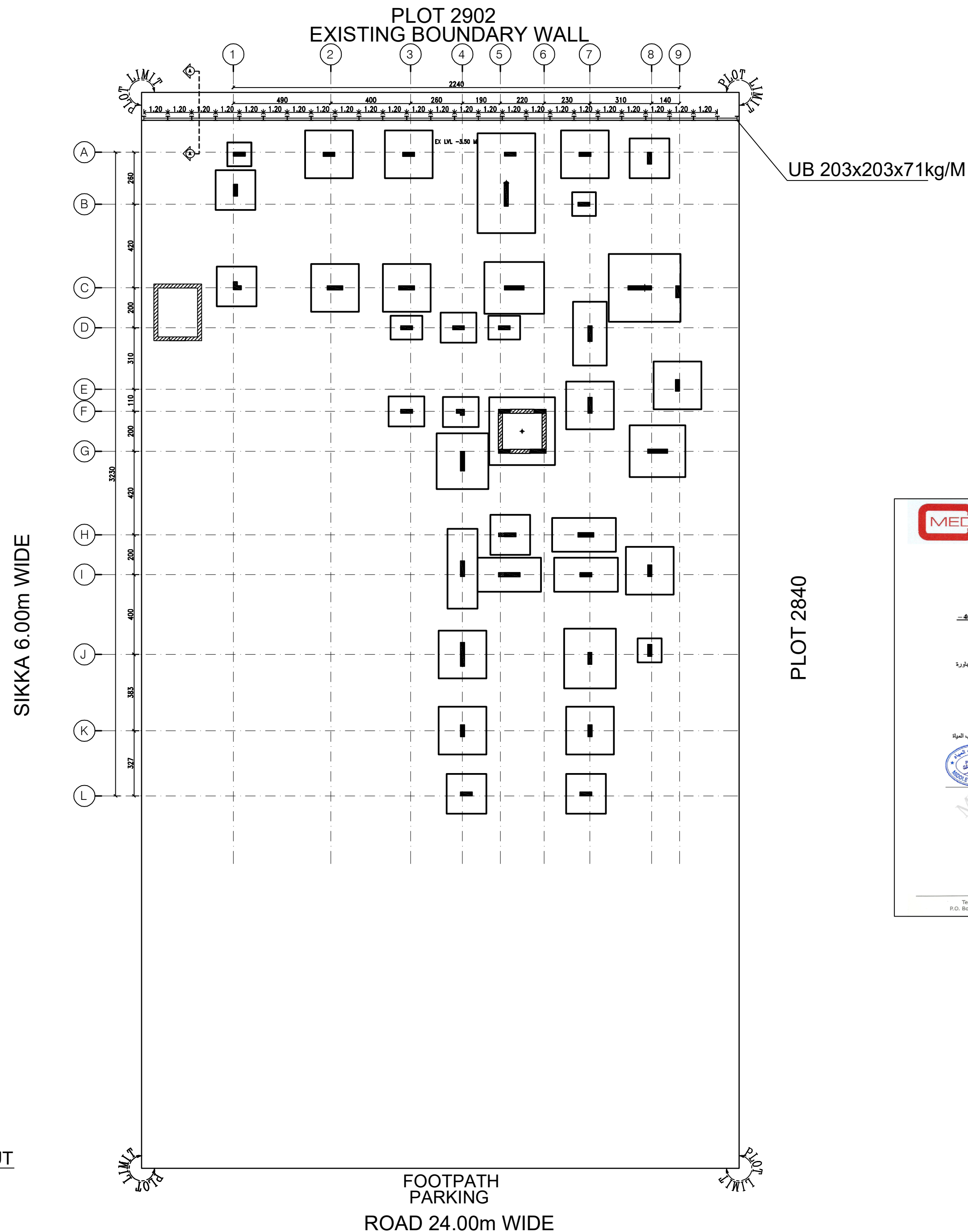
PROJECT: PROPOSED BUILDING (G + 4 + 50% FROM ROOF)

CLIENT: MANSOUR IBARHEEM MOUSA ALNOGAIDAN

DRAWING TITLE: SHORING SECTION

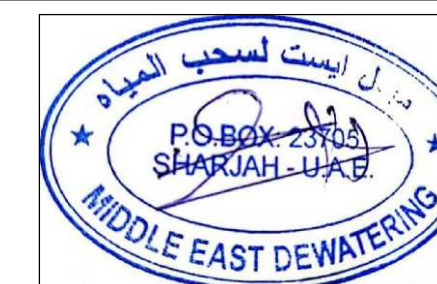


Date: 01/2025 Drawn By: M.H
Scale: Design By: M.H
Sheet No: Checked By: H.S
JOB No: 665



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



ENG. CONSULTANCY للاستشارات الهندسية

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:

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

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

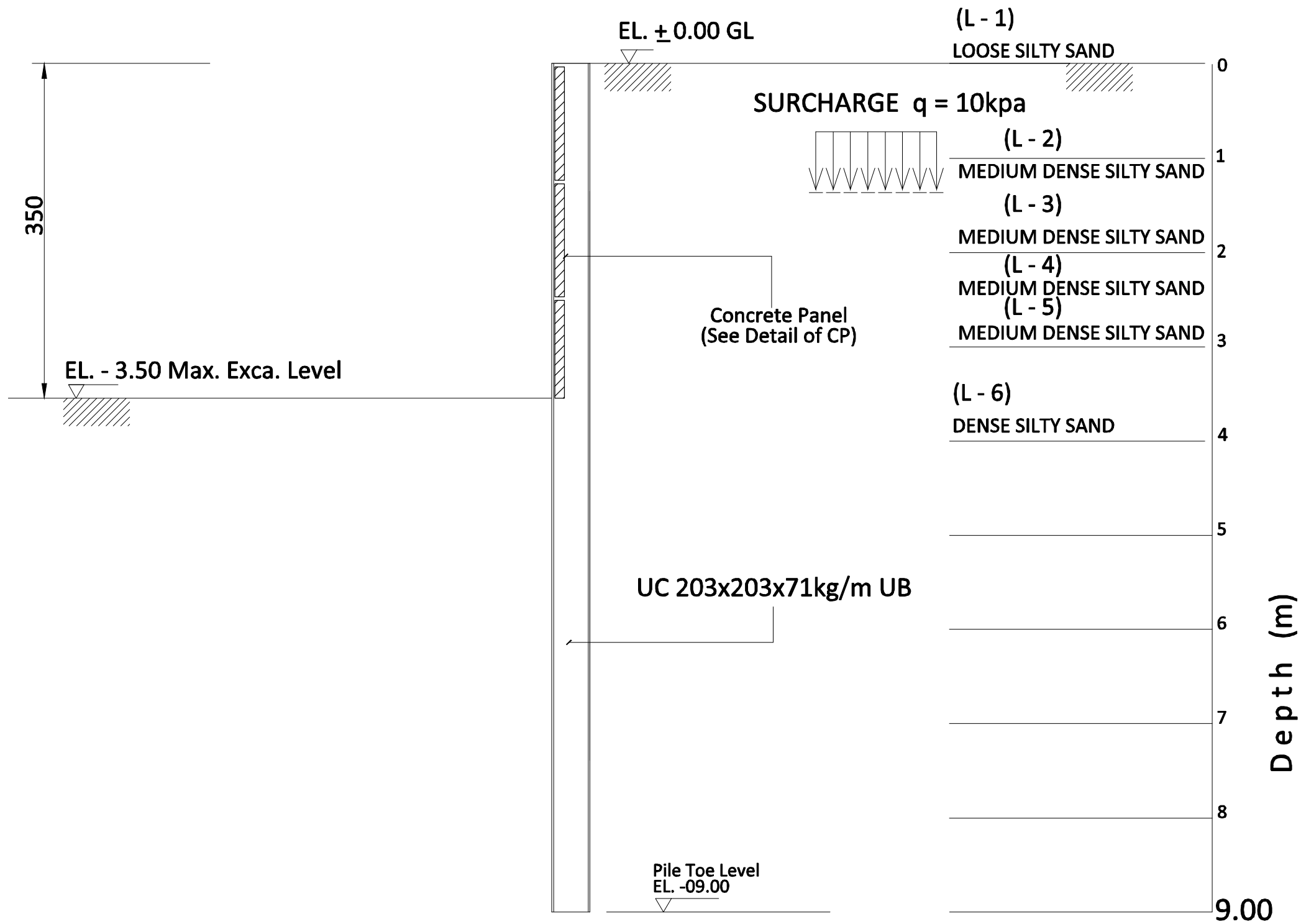
DRAWING TITLE

SHORING LAYOUT

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

EXCAVATION SIDE

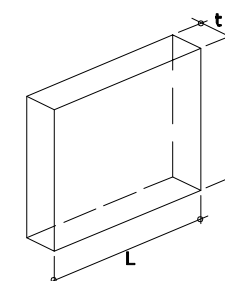
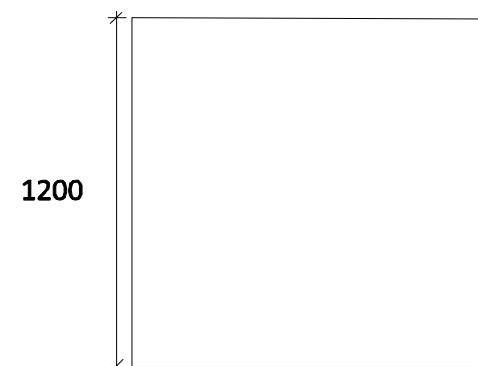
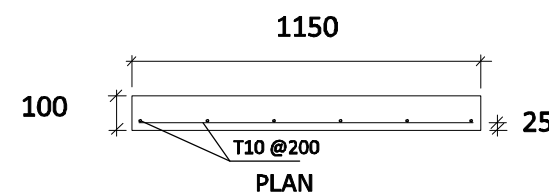
EARTH SIDE



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 :

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



ENG. CONSULTANCY الاستشارات الهندسية
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 :	- - -	
SCALE :	(AS SHOWN)	S- 03
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

المعاقف	الميثاق لمعايير البناء	
الاستشاري	الاستشارات الهندسية	
المالك	ميريه محمد نور محمد صالح كرمشحي	
رقم اجزاء البناء	1807	التاريخ
رقم قطعة الأرض	6718	المنطقة
أبعاد قطعة الأرض	حسب ما في شهادة الملكية	عرض حرم
أبعاد التعميم من خط	الحد الأدنى أن لا يتجاوز 100 سم من حدود القطعة	الطريق
مساحة المسطحة	على أن يتم ازائه بعد الانتهاء من الأعمال	رقم العمل
مساحات الأسفلت	تأرجح المسقي	---
قيمة الرسوم	---	قيمة التأمين
التاريخ	---	20475.50 درهم
رقم الإيصاف	---	27.01.2025
		33065046

الردود:

1. الحصول على موافقات الوزار المختصة الأخرى ذات العلاقة قبل التنفيذ.
2. توفير مقارر المالية في التوقيع عند البدء بالتشروع وحتى الانتهاء منه.
3. عدم تعديل البنية أو إضافة مساحة للأصل.
4. عدم تعديل الطرقة أو الممرات قبل البدء بالأعمال.
5. عدم التعديل على أي تقنيات الأصل بعد إقرارها في مخططات تنفيذية.
6. عدم التعديل المباشرة على مشروعات من تاريخه.
7. في حال حصول أي أضرار للممتلكات العامة نتيجة تنفيذ هذه الأعمال يتحمل المقاول كافة التكاليف الإصلاح.
8. يجب أن لا تتجاوز أبعاد الأسفلت (40) سم من حدود الشارع.

هيئة الطرق والمواصلات

نسخة إلى:
- أدلة المائدة

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.:

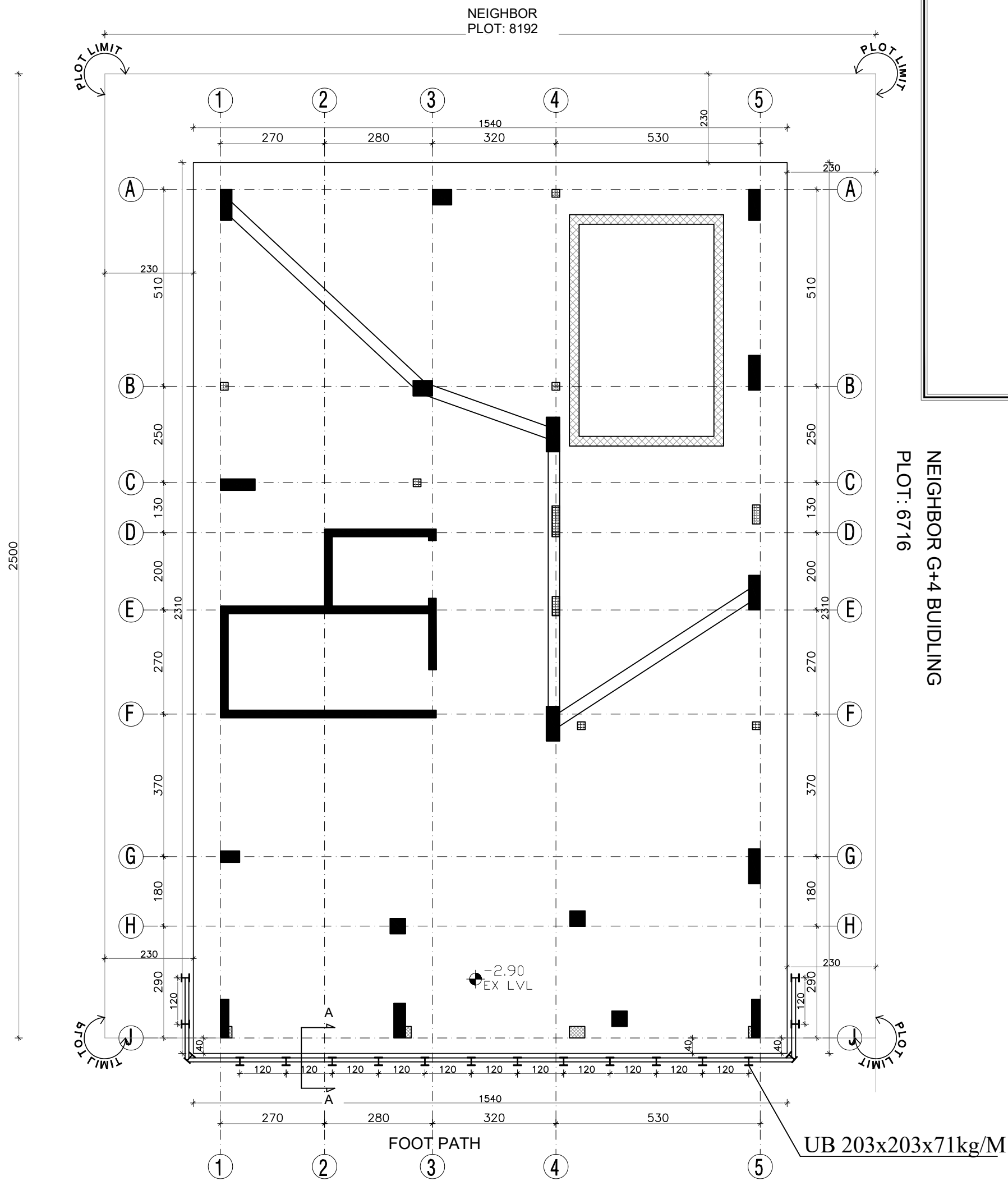
NO.:

TITLE:

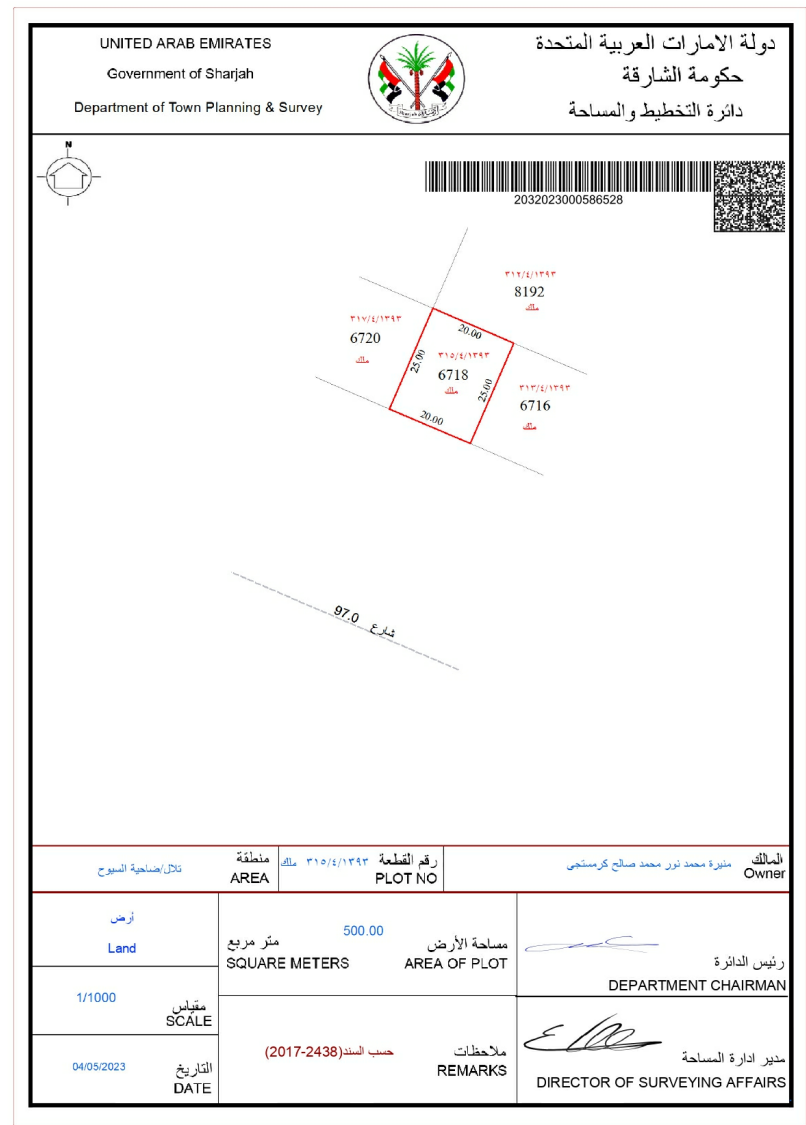
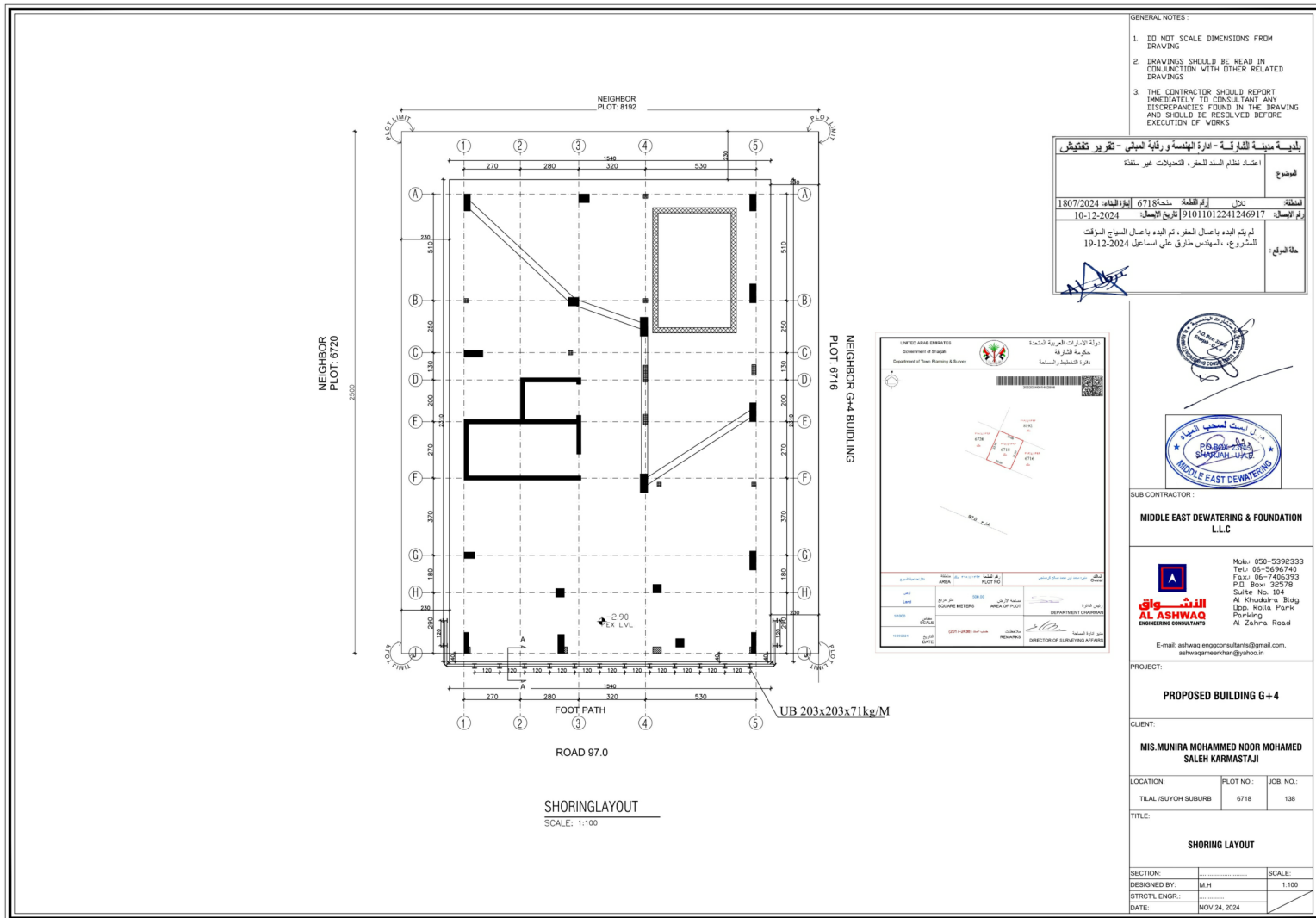
FOOTING LAYOUT

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

NEIGHBOR
PLOT: 6720



SHORINGLAYOUT
SCALE: 1:100



- 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

النشـواق
AL ASHWAQ
ENGINEERING CONSULTANTS

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: M.H

STRCT'L ENGR.:

DATE: JANUARY.29, 2025

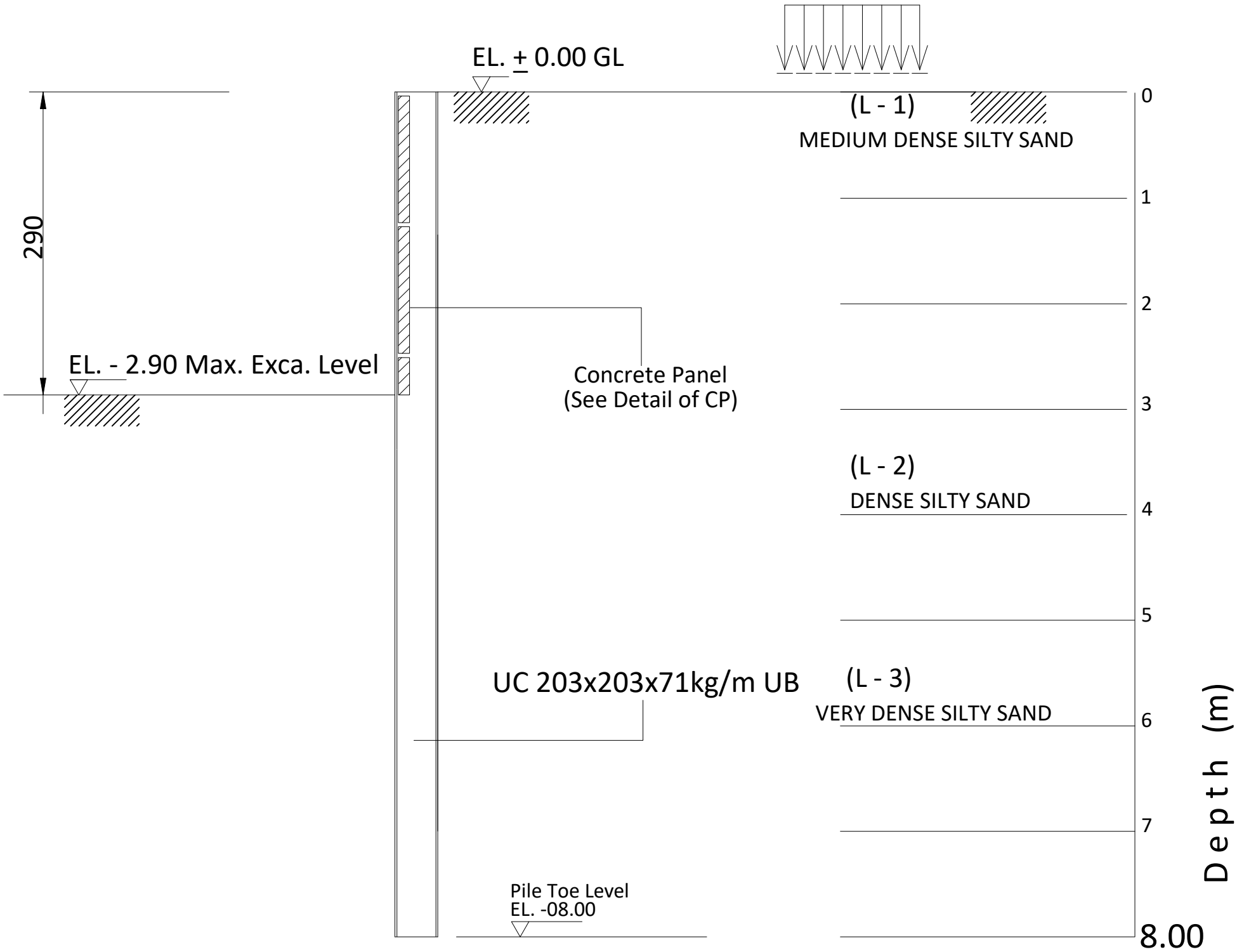
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S-02

EXCAVATION SIDE

EARTH SIDE

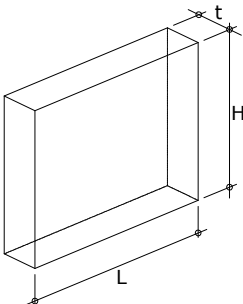
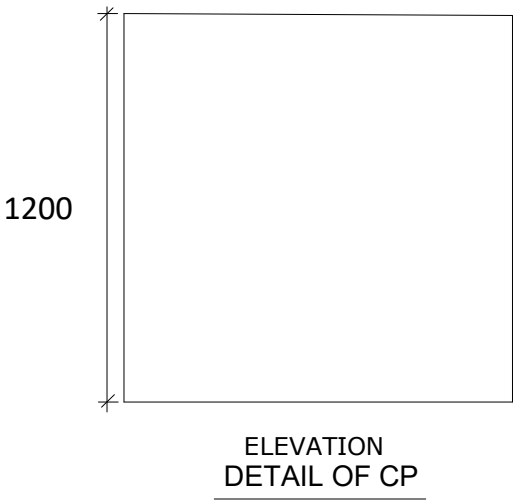
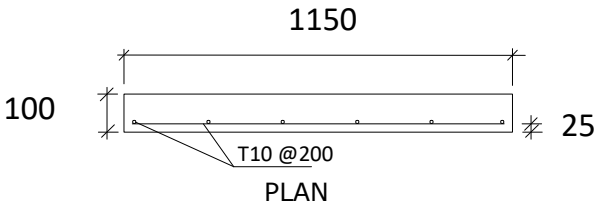
SURCHARGE $q = 20\text{kpa}$



SECTION A - A

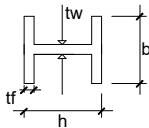
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	



ISOMETRIC

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:

M.H

STRCT'L ENGR.:

DATE:

JANUARY.29, 2025

SCALE:

1:100

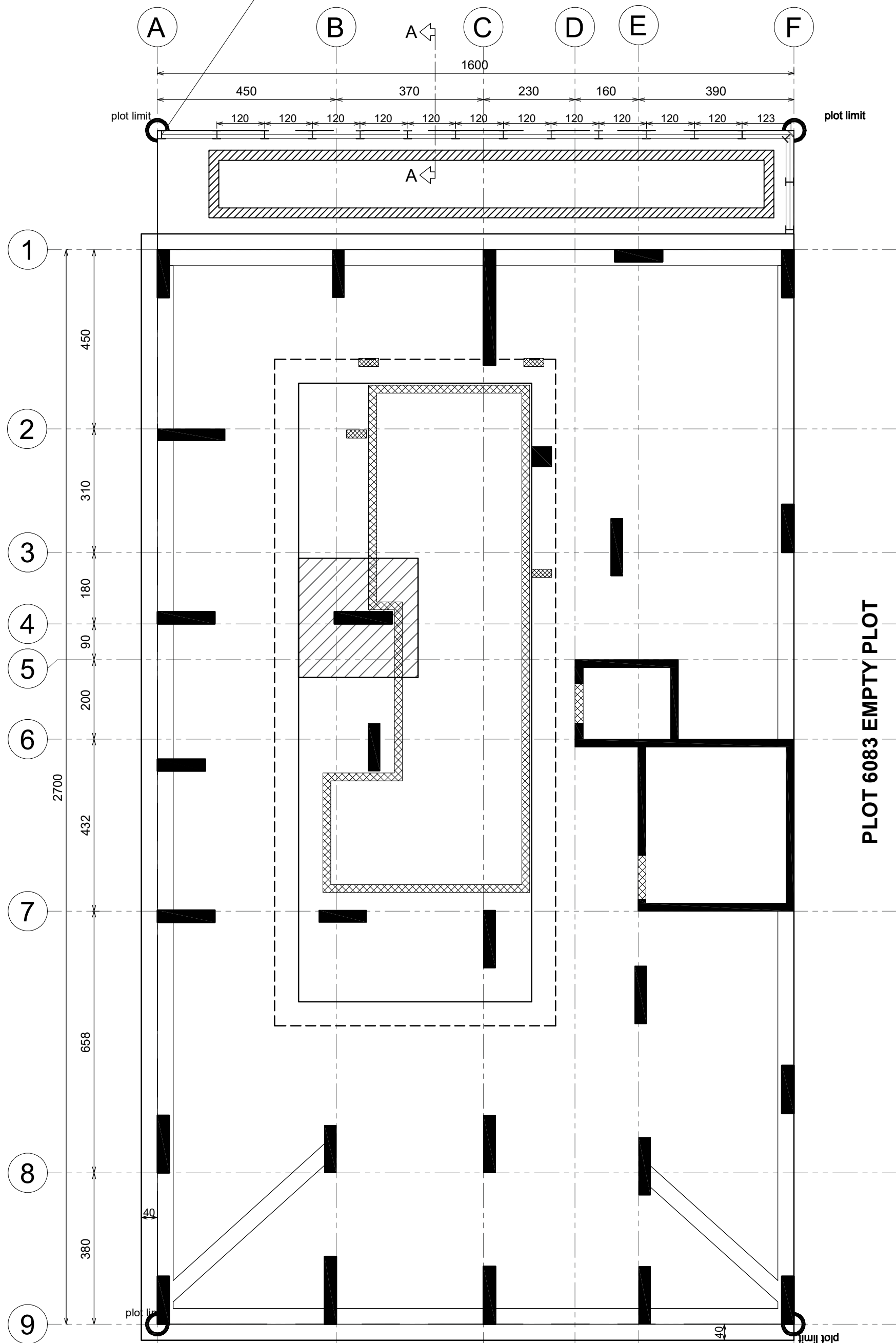
S-03

SEKA 6.00 M

SHORING LAYOUT

SCALE : 1-100

SCALE : 1-100



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 TO THE DESIGN 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

MULK NO: 117/3131 PLOT NO: 6085

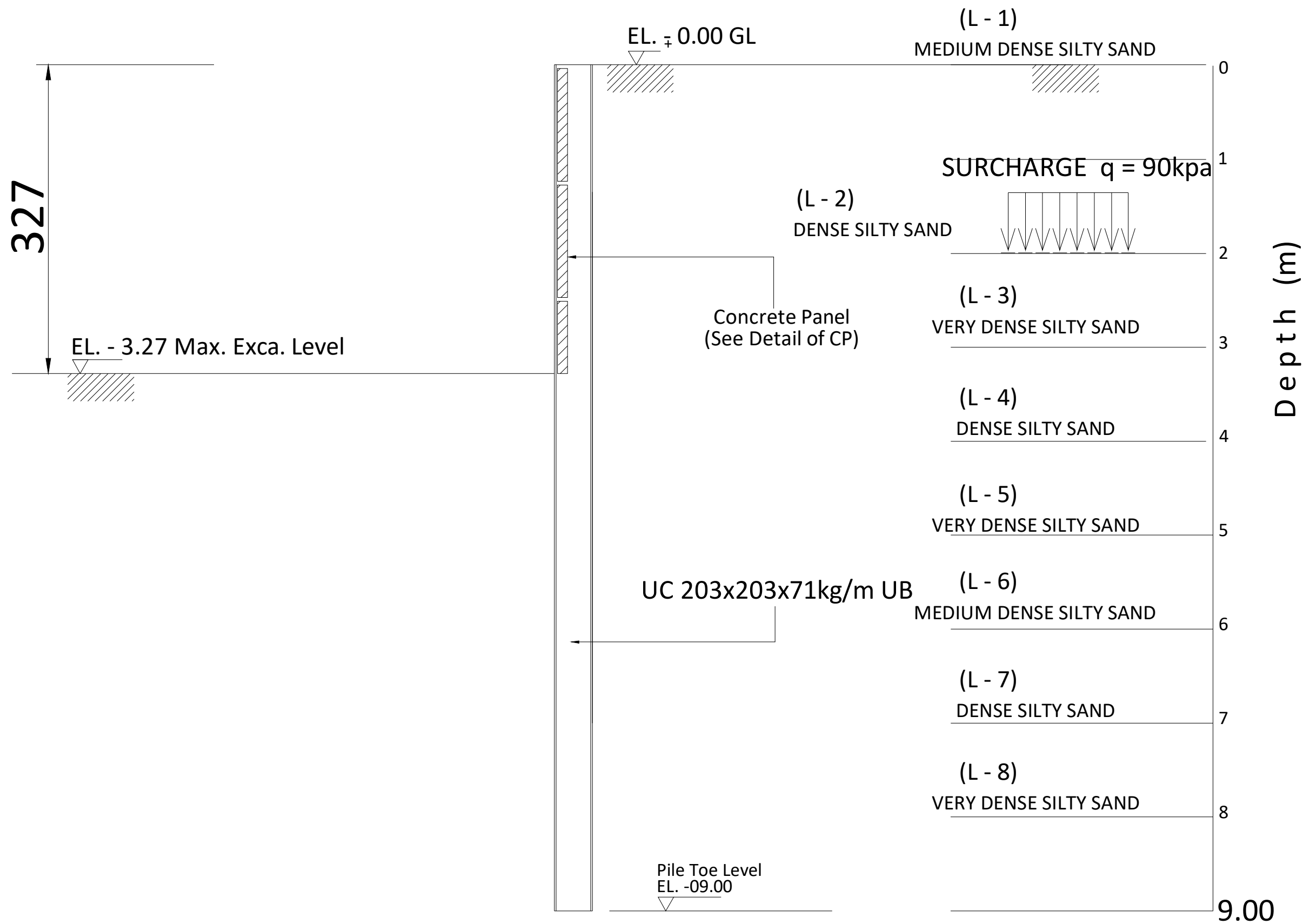
SHEET CONTENT:

SHORING LAYOUT

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

EXCAVATION SIDE

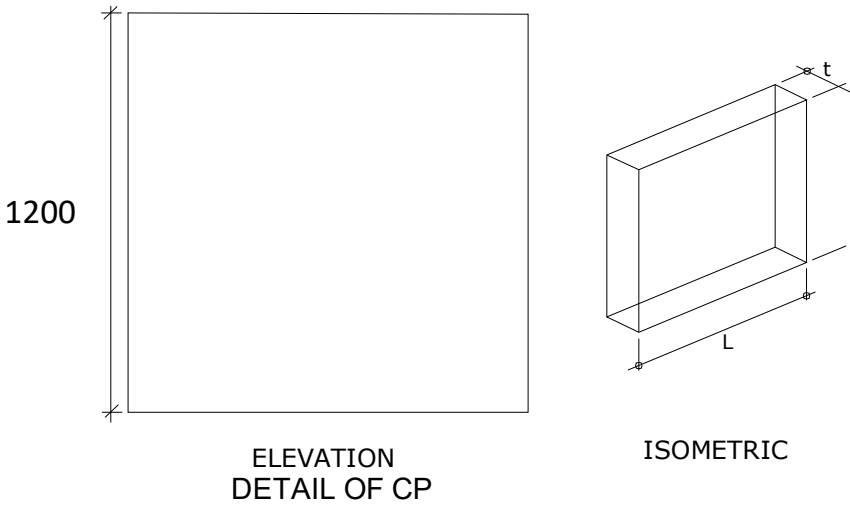
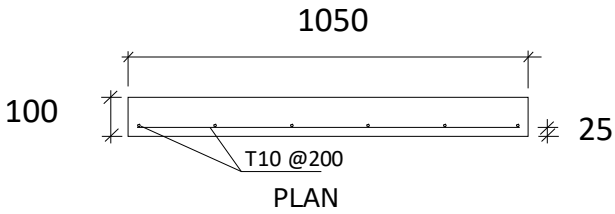
EARTH SIDE



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 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:
MUWAILAH 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 ENG. SALAM ALYAGHSHI	
STRUCT. DESIGNED BY			
ENG. M.H		MUN. CREATED BY REVIT	
ELEC. DESIGNED BY			
SERVICES DESIGNED BY			
Project NUMBER: 4492		DRAWING NUMBER:	
DATE 21/01/2025		SCALE 1 : 100	REF. NO.
NO.	DATE	REVISIONS	

Structural floor plan of a 4-story building. The plan shows a central core with multiple columns and beams. Dimensions are provided for various sections: horizontal dimensions (120, 540, 244, 470, 500, 160, 534, 120, 120, 120) and vertical dimensions (828, 2478, 920, 730). The plan includes labels for 'PLOT LIMIT', 'ROAD 36.60m', 'UNDER GROUND WATER TANK', and 'UC 203x2' and 'UC 203x203x71kg/M'. The building is divided into sections by grid lines 1-7 and A-D.

1:100

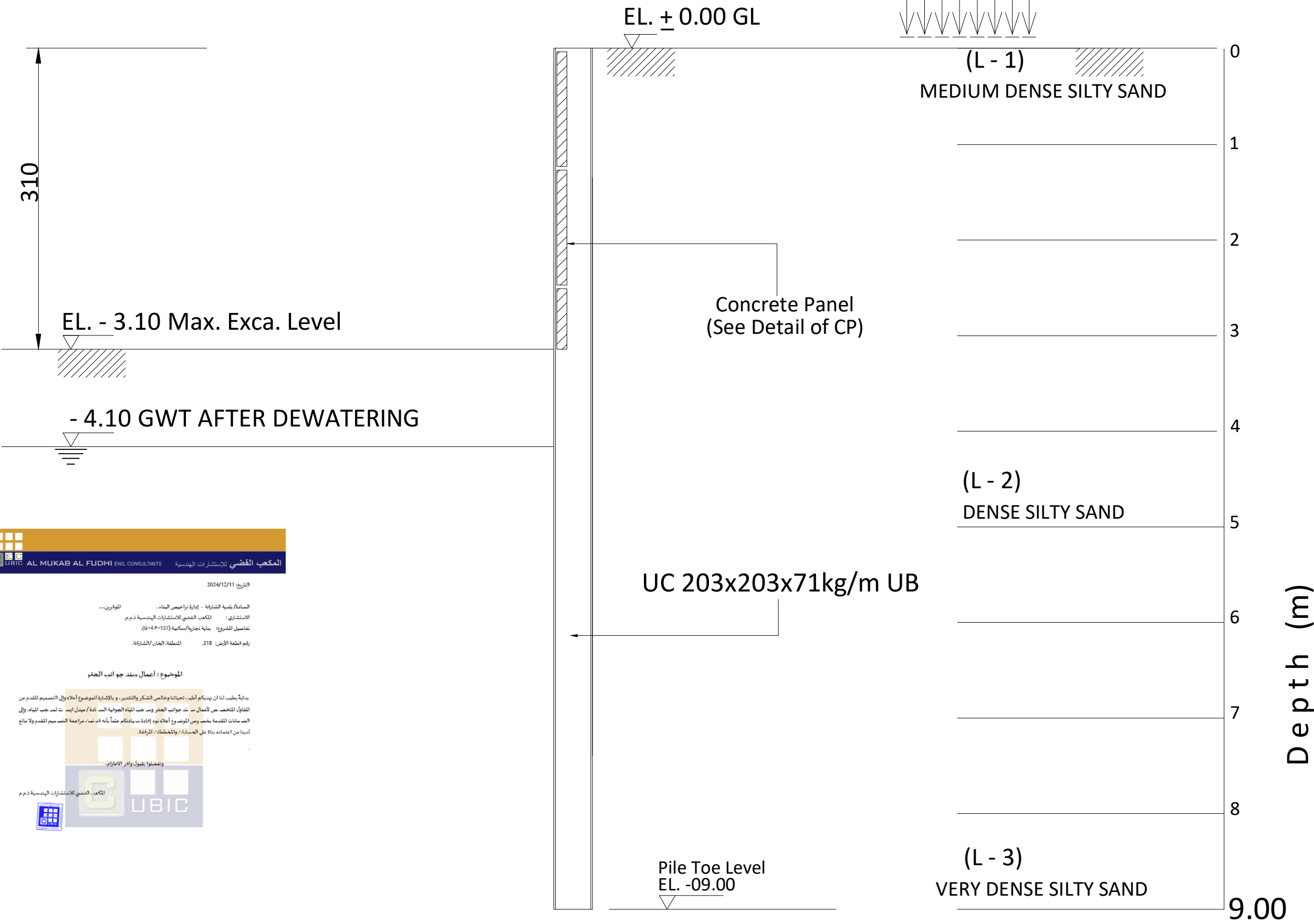


PROJECT NO.
224008
SHEET NO.
S-08
REVISION NO.
00

EXCAVATION SIDE

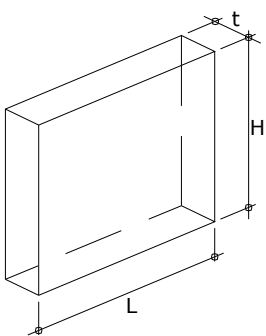
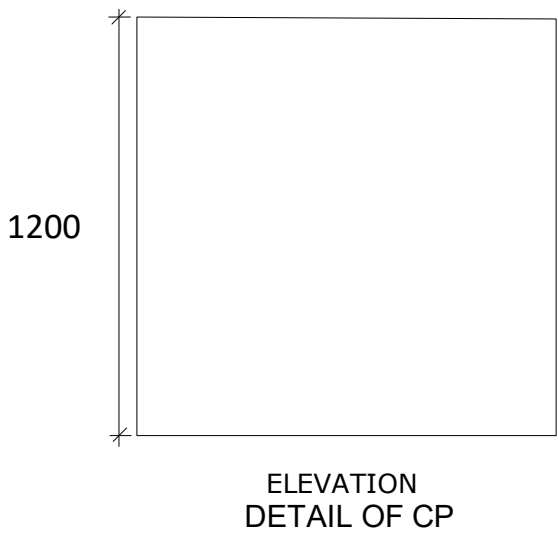
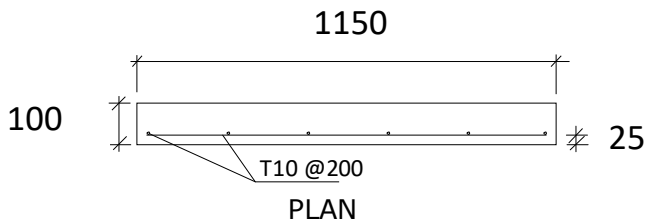
EARTH SIDE

SURCHARGE $q = 20\text{kpa}$

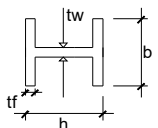


SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	



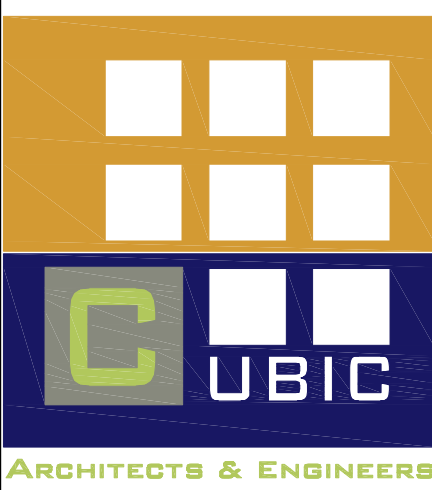
SECTION PROPERTIES



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



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 200mm THK THERMALLY INSULATED BLOCK WORK.
5. ALL PARTITION WALLS BETWEEN FLATS SHALL BE 200mm THK & THE OTHER SHALL BE 180 or 190 mm THK LIGHT WEIGHT BLOCK WORK.
6. ALL WALLS OF O.T.S. SHALL BE 200mm 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 G + 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

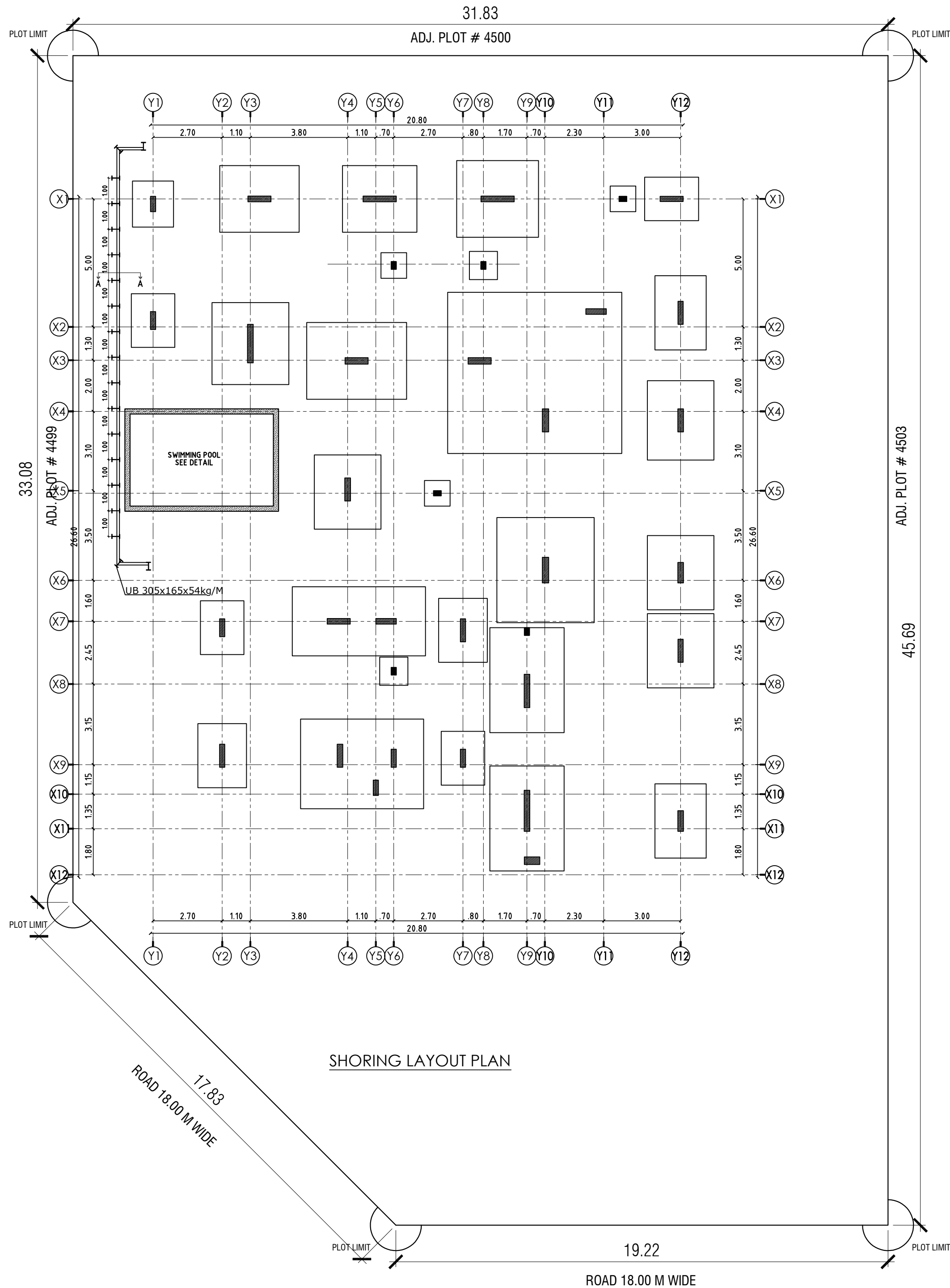
SHEET NO.

S-08

REVISION NO.

00





NOTES :

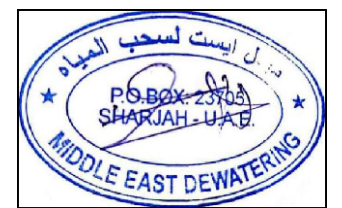
LABORATORY NAME : AL MAMAAS ENG. LAB.
SOIL REPORT REF. No. : MSI-23-34
Date : 27/01/2023

- 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
ALOBEDLI

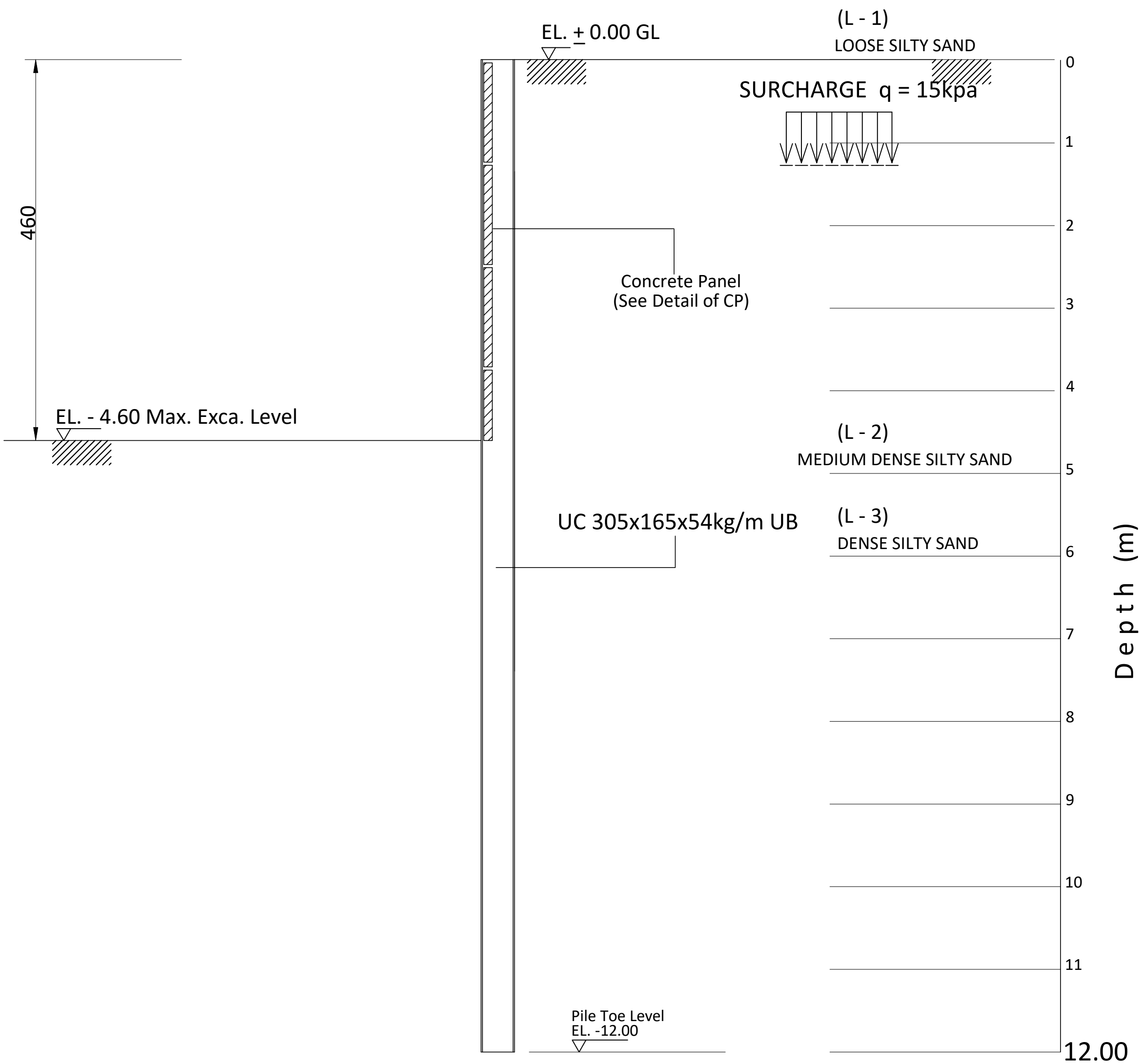
PLOT NO: GOV-4501
MULK - KSHISHA 4
LOCATION: AL RAHMANIYA SUBURB

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

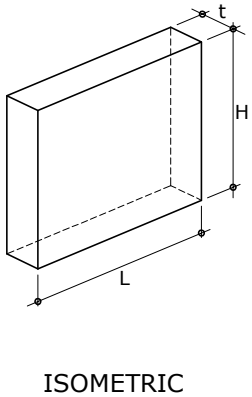
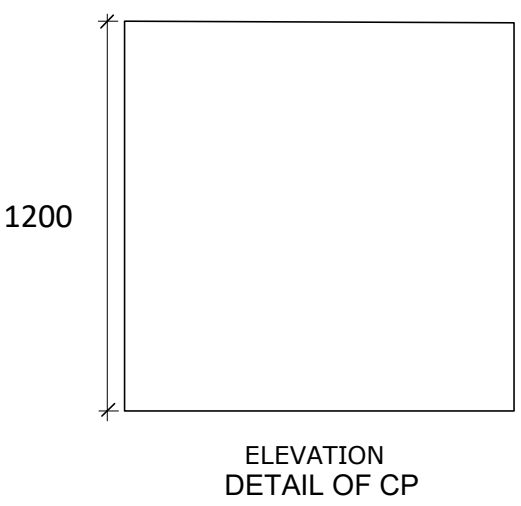
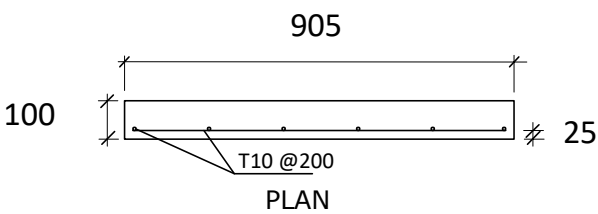
EARTH SIDE



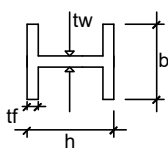
SECTION A - A

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 :

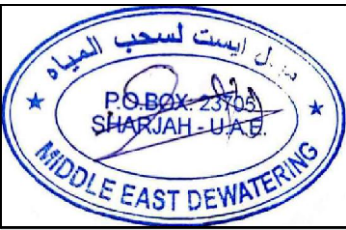
LABORATORY NAME : AL MAMAAS ENG. LAB.
SOIL REPORT REF. No. : MSI-23-34
Date : 27/01/2023

- 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

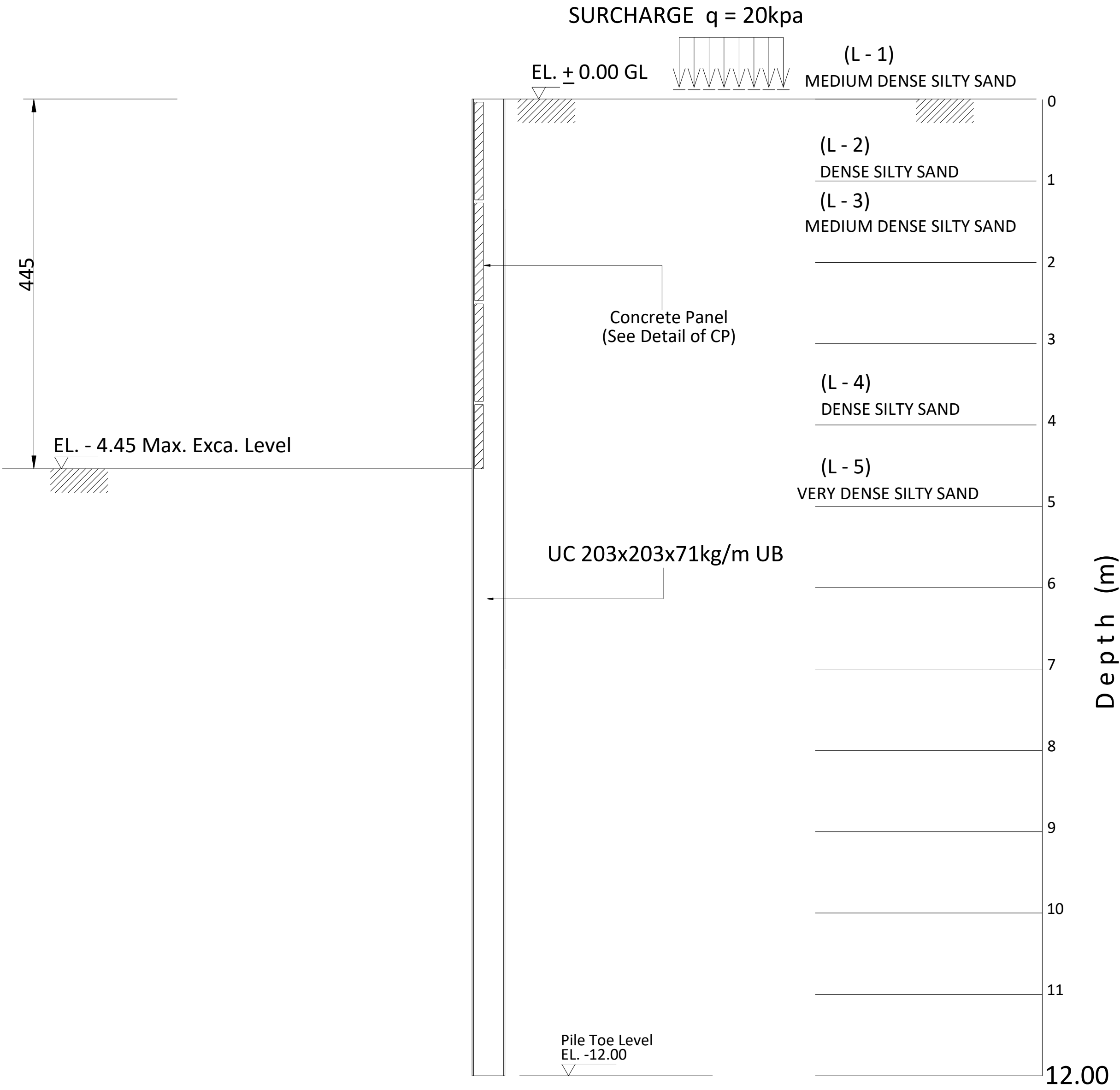
PLOT NO: GOV-4501
MULK - KSHISHA 4
AL RAHMANIYA SUBURB

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

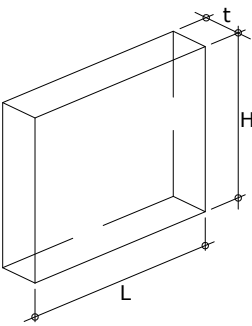
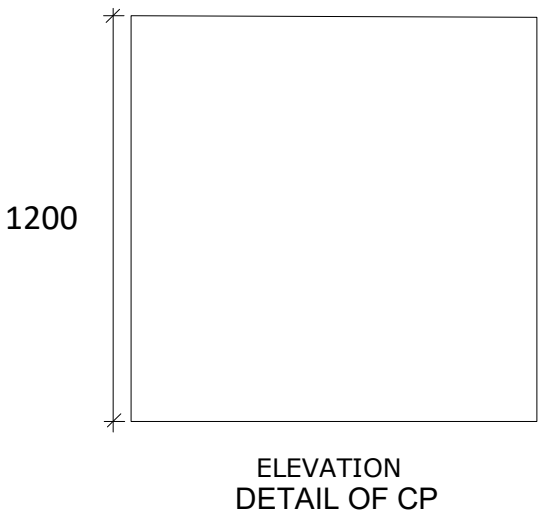
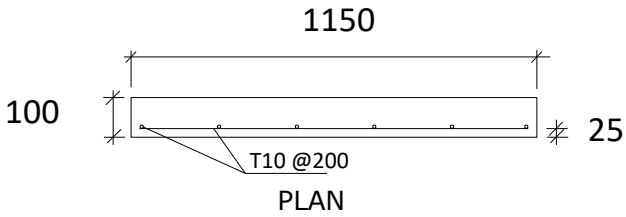
EARTH SIDE



SECTION A - A

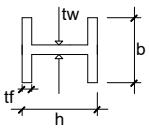
SCHEDULE OF CONCRETE PANEL

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 :

- 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:

الاستثمار
Engineering Consultancy



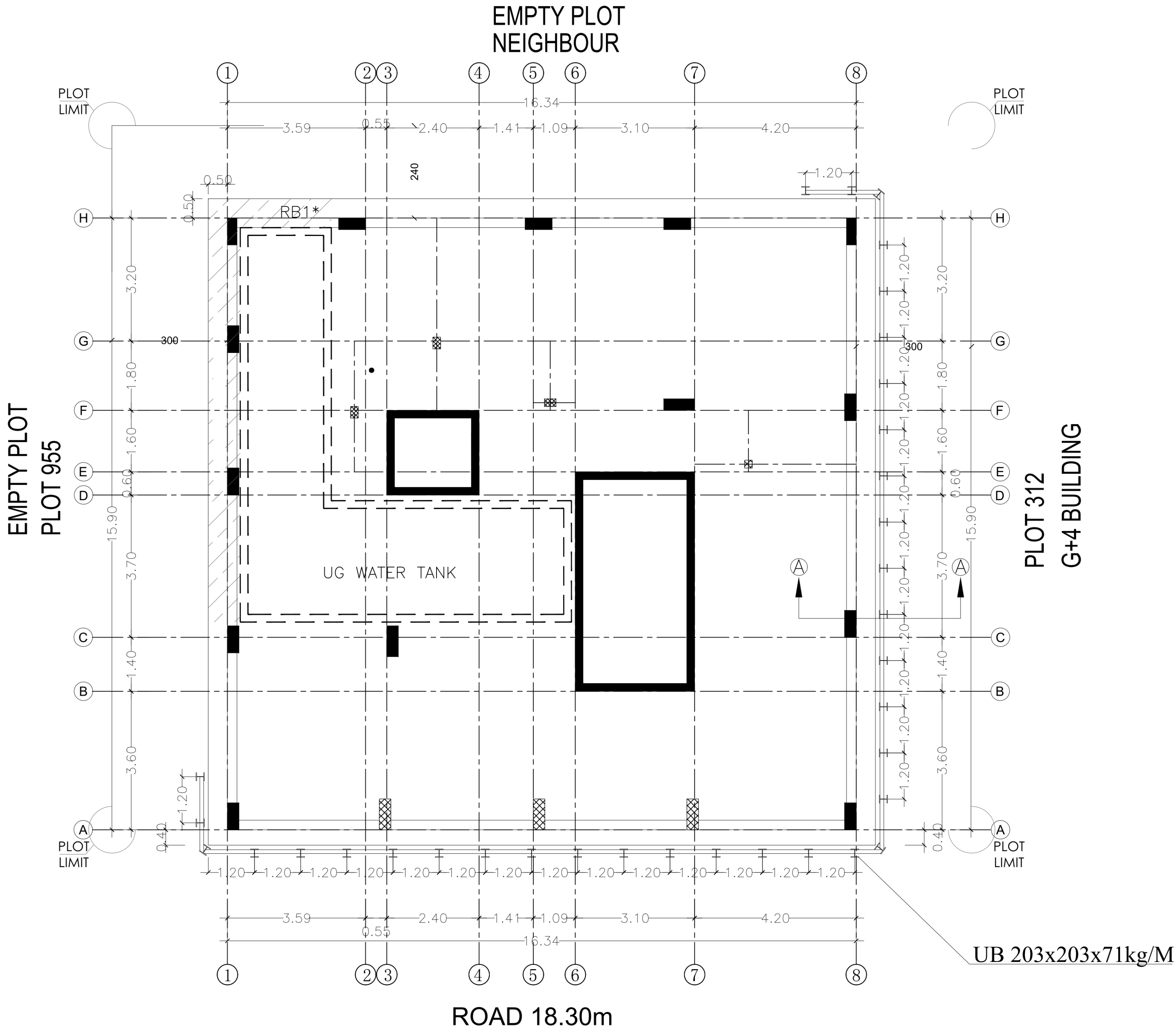
TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE EMAIL : investment.shj@gmail.com
www.investmentengineering.ae

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

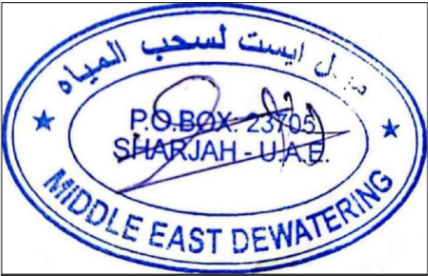
PROJECT TITLE :-
PROPOSED BUILDING G+2

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

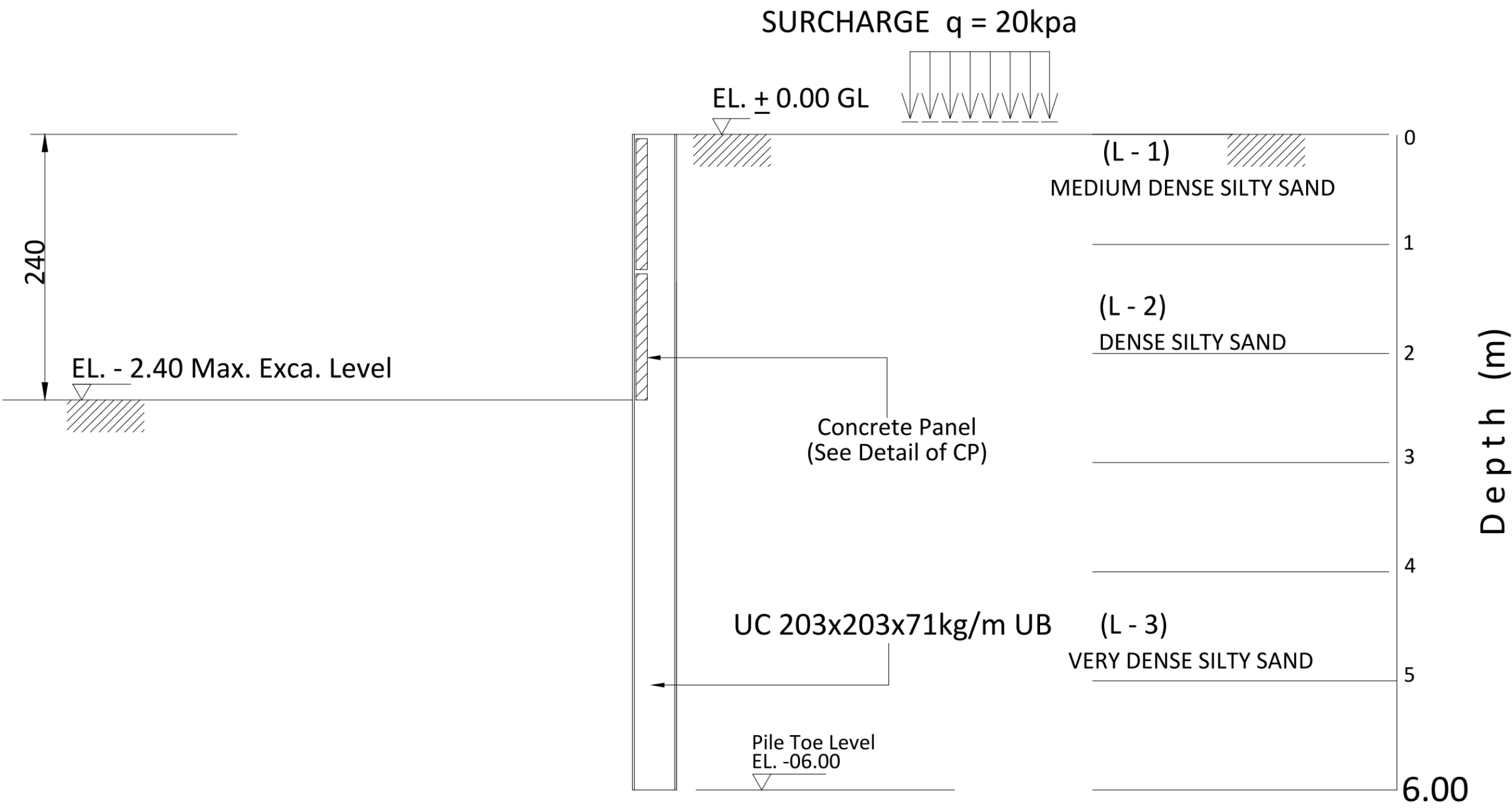
JOB NO.:
DATE : 13-11-2024
SCALE: 1/100

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

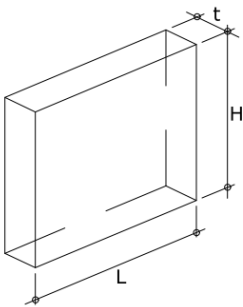
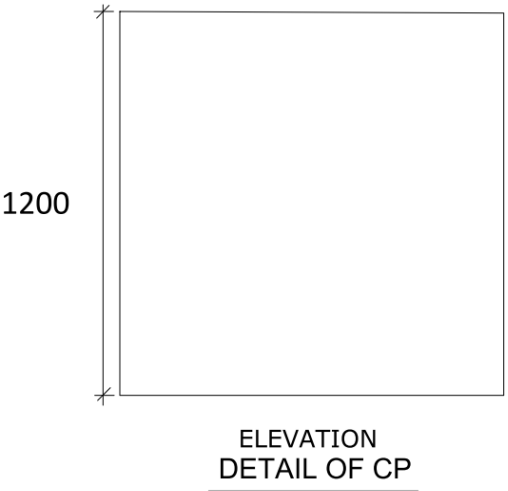
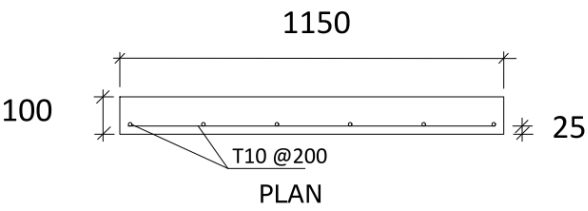
SHEET NO: S - / 02

EXCAVATION SIDE

EARTH SIDE

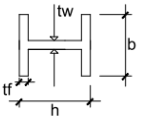


SCHEDULE OF CONCRETE PANEL		
THK(mm)	SECTION	REMARKS
100	1200x1150	



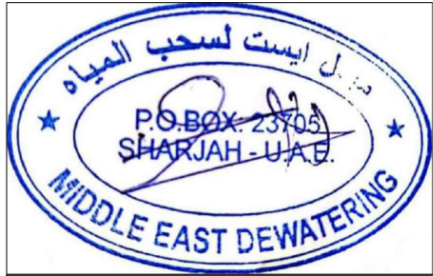
ISOMETRIC

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



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 SECTION

JOB NO.: -----

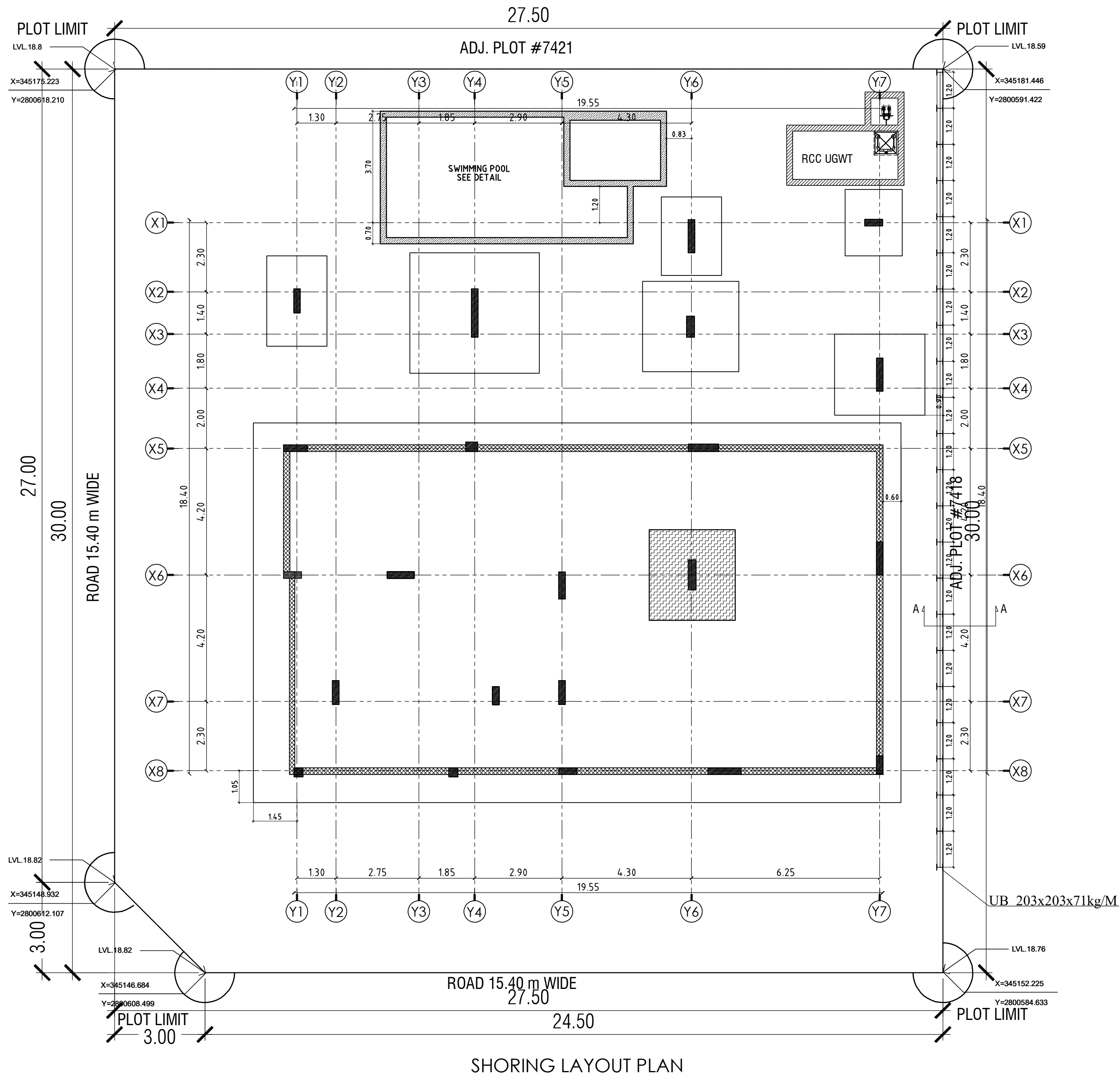
DATE : 13-11-2024

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

الهيئة الذكية 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
MULK-6072/1868

DRWG. TITLE:

SHORING LAYOUT PLAN

DATE :- AUG - 2023

SCALE: 1 : 100

DRAWN BY: RRO

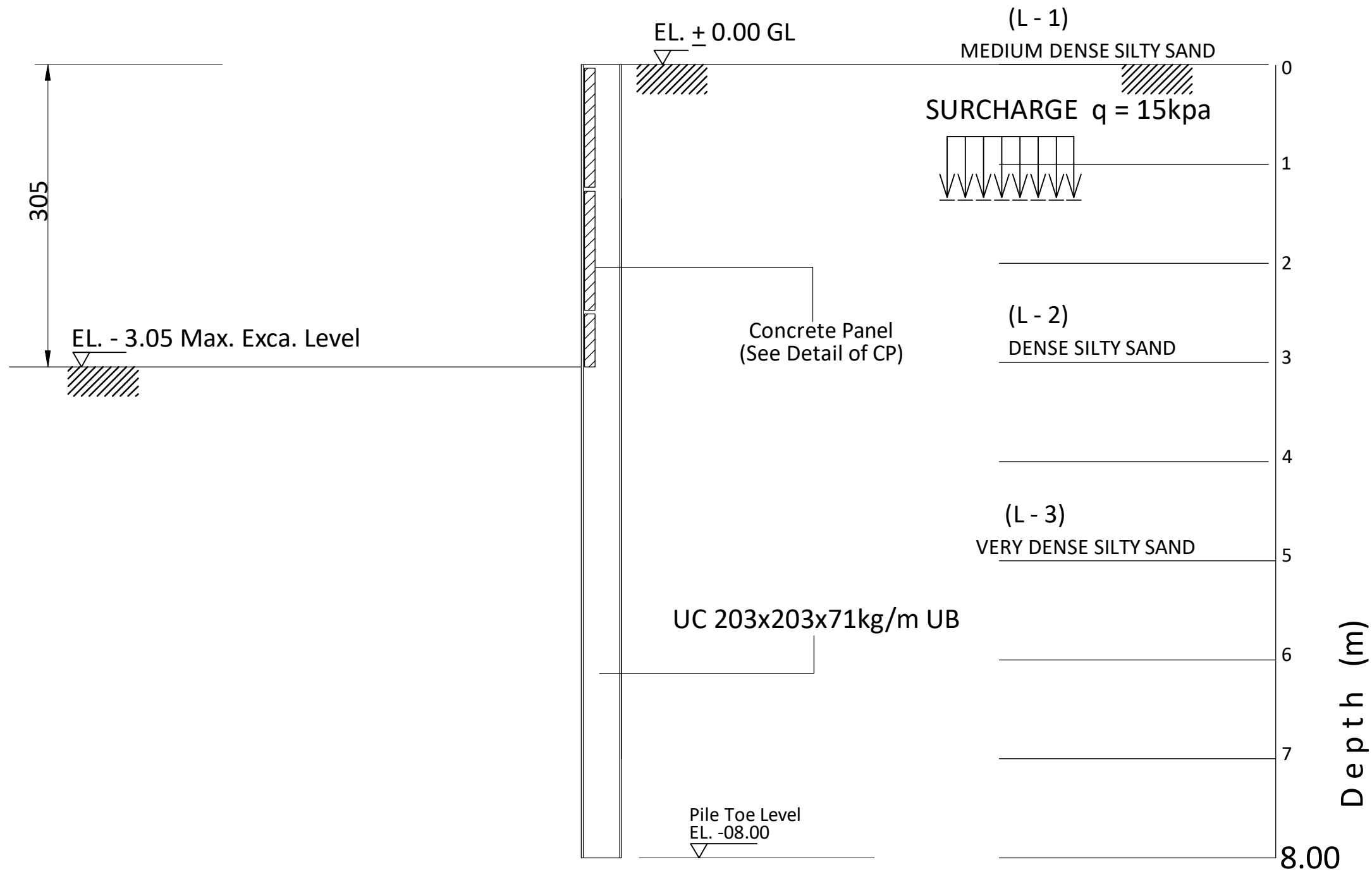
DESIGNED BY: RRO

CHECKED BY: AHS

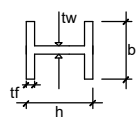
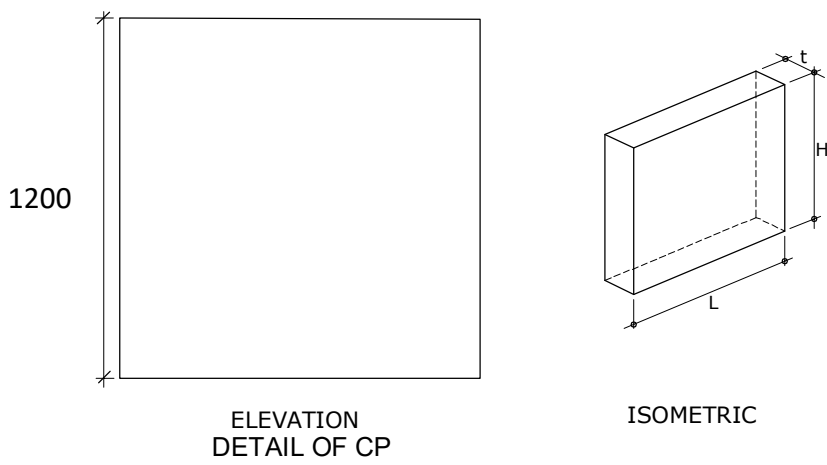
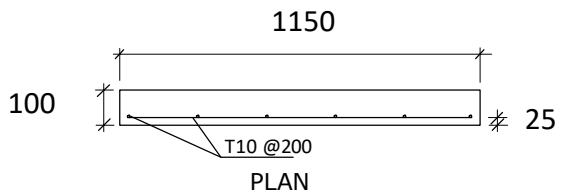


EXCAVATION SIDE

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
- (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



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

CLIENT NAME:
MAJDI AHMAD M AWAWDEH

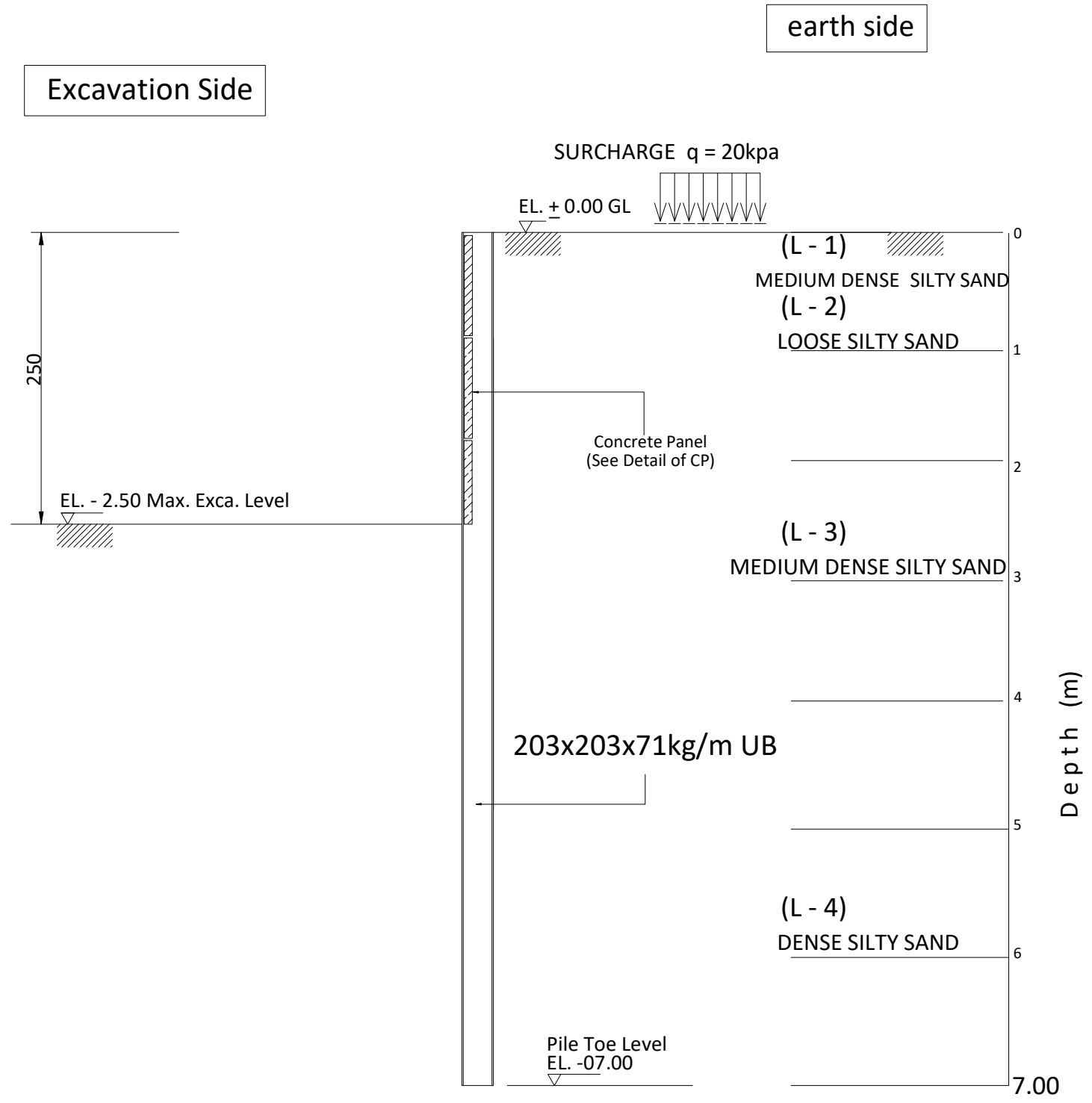
PLOT NO: GOV-7420 MULK-6072/1868
LOCATION: Muwallih Commercial/ Muwallih Commercial

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.



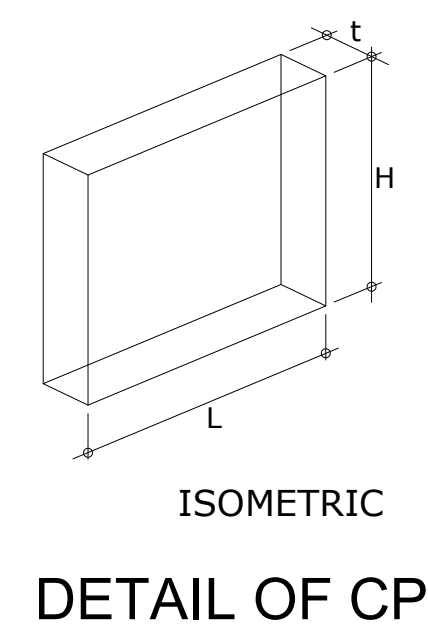
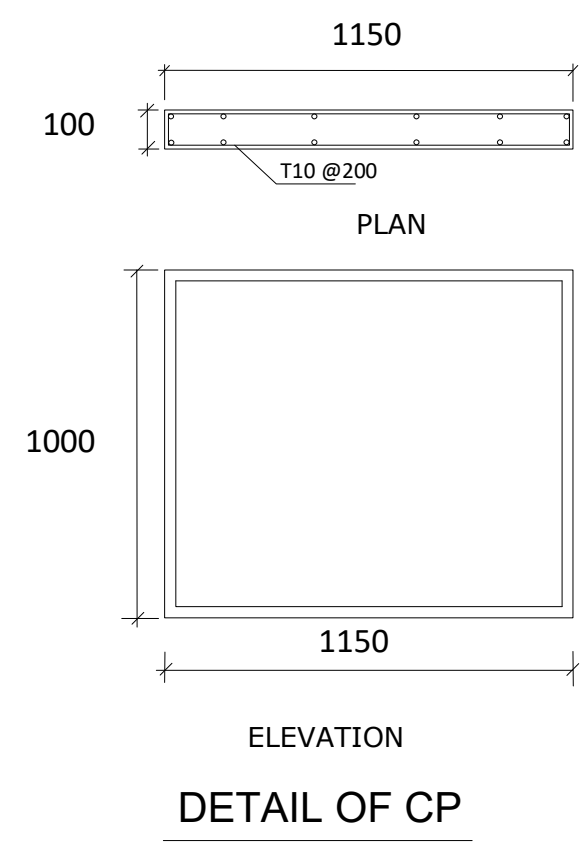
PLOT NO:-	MULK	476	BLOCK:-	AL MAJAZ 2
	GOV.	363		
DESIGNED BY:- M.H	COORDINATED BY:-		APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:-	1/100	DATE:- 2023	JOB NO. :-
	SHEET SIZE:	A2		



SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION			REMARKS
100	1000x1150			



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



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
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DESIGN CONSULTANT:

الاستثمار
INVESTMENT
Engineering Consultancy

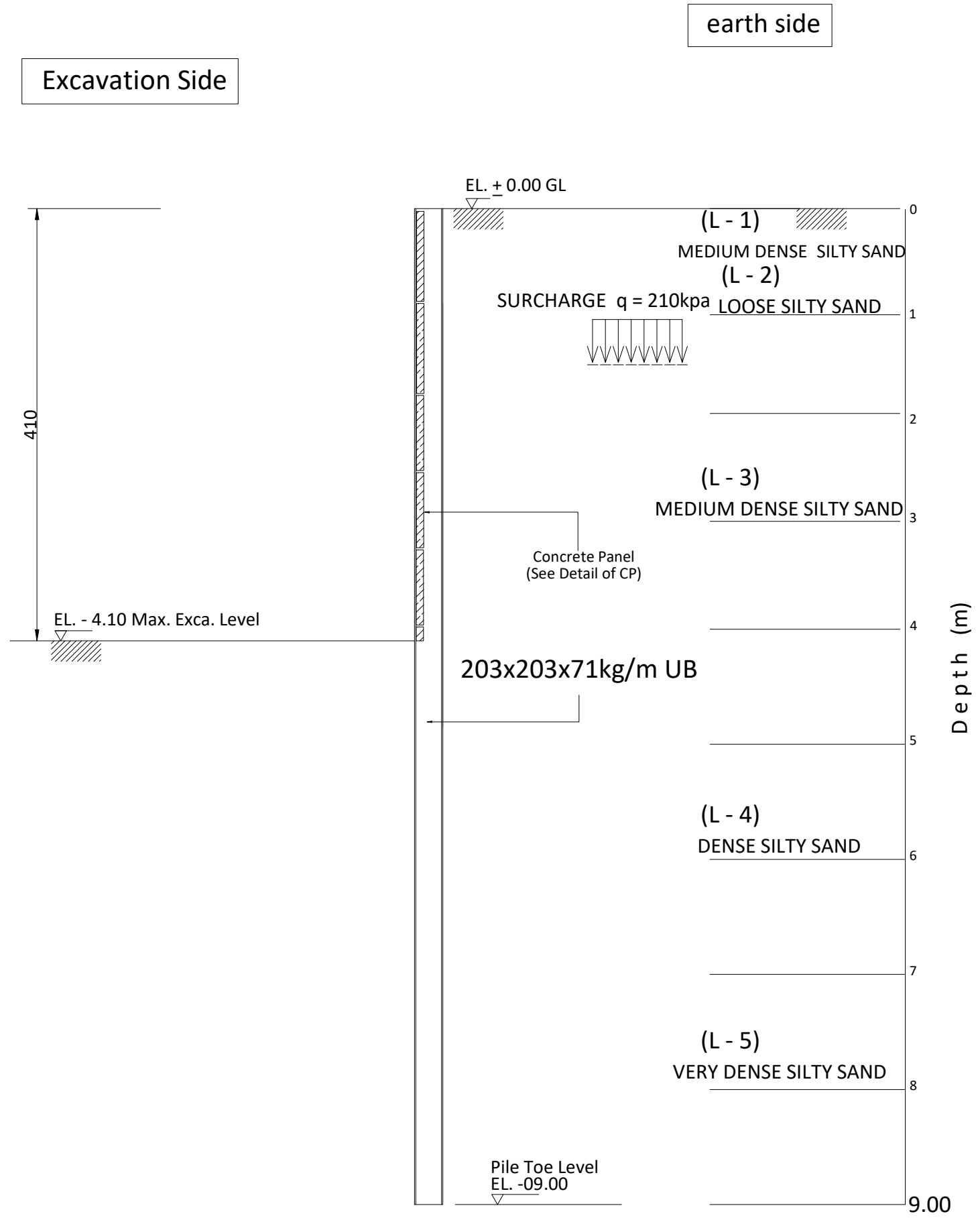
TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE
www.investmentengineering.ae EMAIL : investment.shj@gmail.com

CLIENT'S :-
MR. ISMAIL ABDELWAHID ABDULRAHIM SAEEDI

PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

DWG. TITLE :
SHORING SECTION A

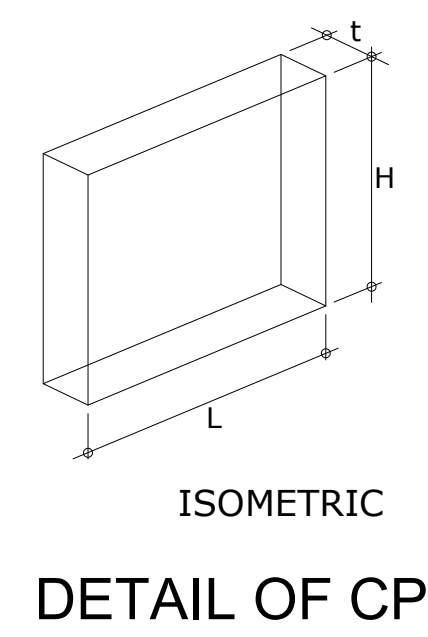
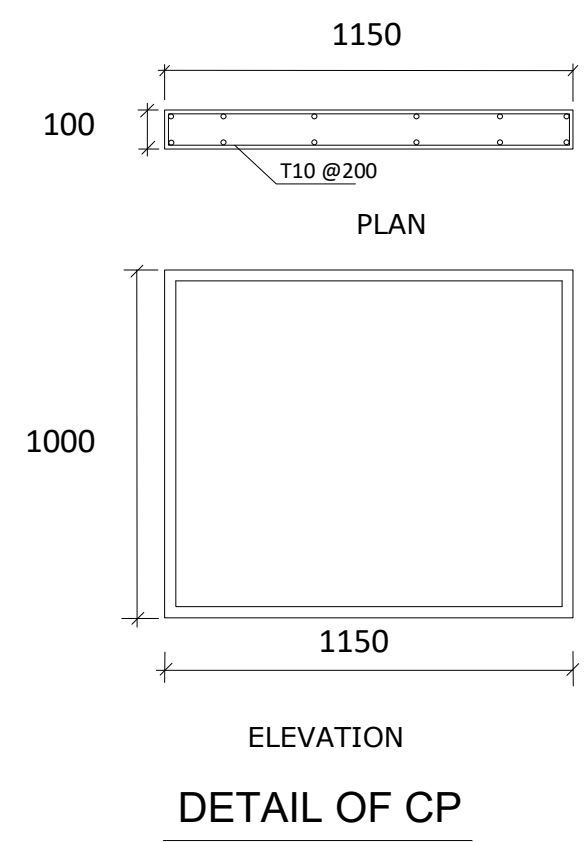
PLOT NO:-	MULK 476 GOV. 363	BLOCK:-	AL MAJAZ 2
DESIGNED BY:- M.H	COORDINATED BY:-	APPROVED BY:- H.S	DRAWING NO. :- STR- 05
DRAWN BY:- M.H	SCALE:- 1/100 SHEET SIZE: A2	DATE:- 2023	JOB NO. :-



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
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DESIGN CONSULTANT:

الاستثمار
INVESTMENT
Engineering Consultancy

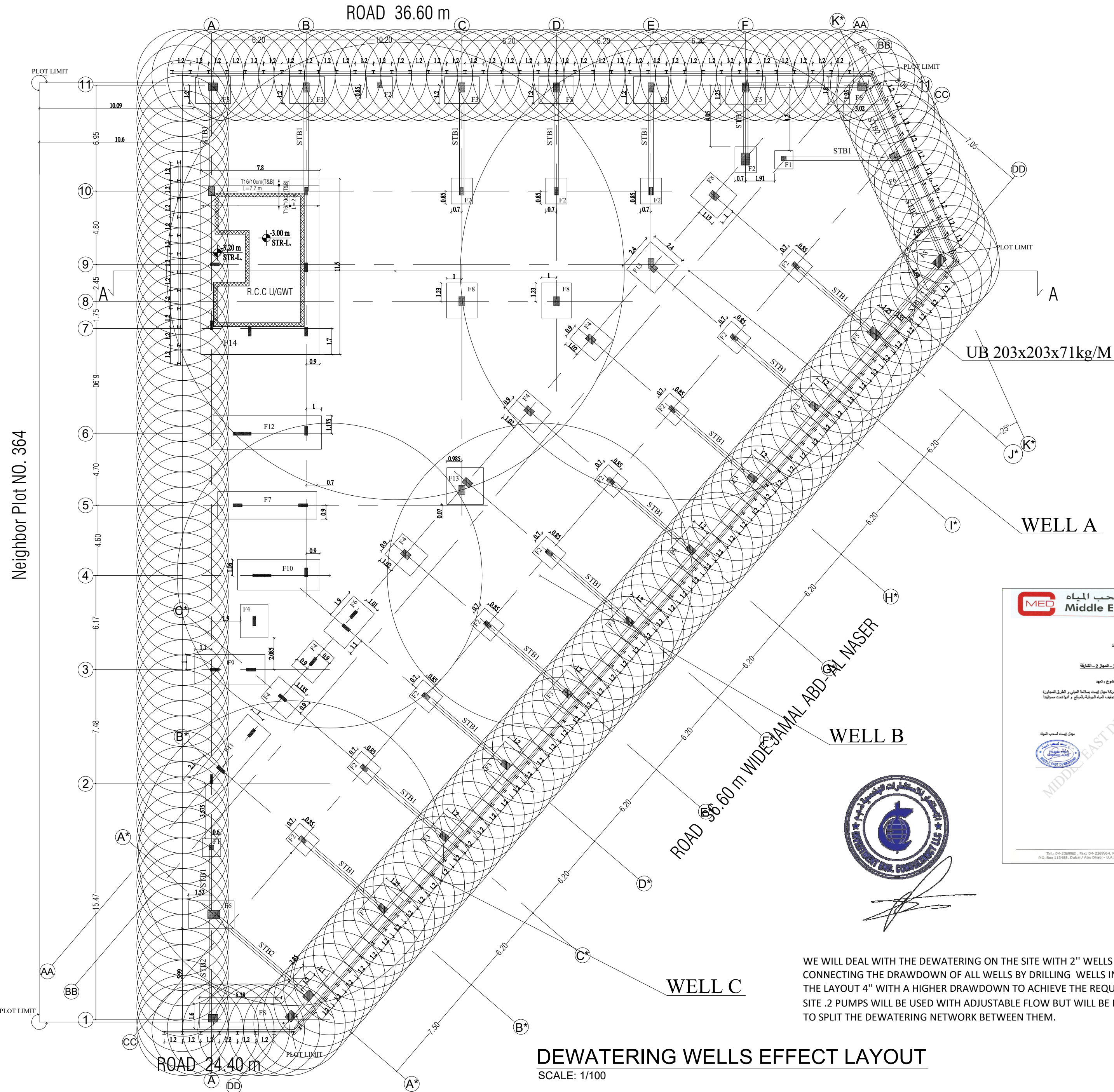
TEL : +971 6 5737979 FAX : +971 6 5737779
P.O.BOX : 1388, SHARJAH , UAE
www.investmentengineering.ae EMAIL : investment.shj@gmail.com

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. :-



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:



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

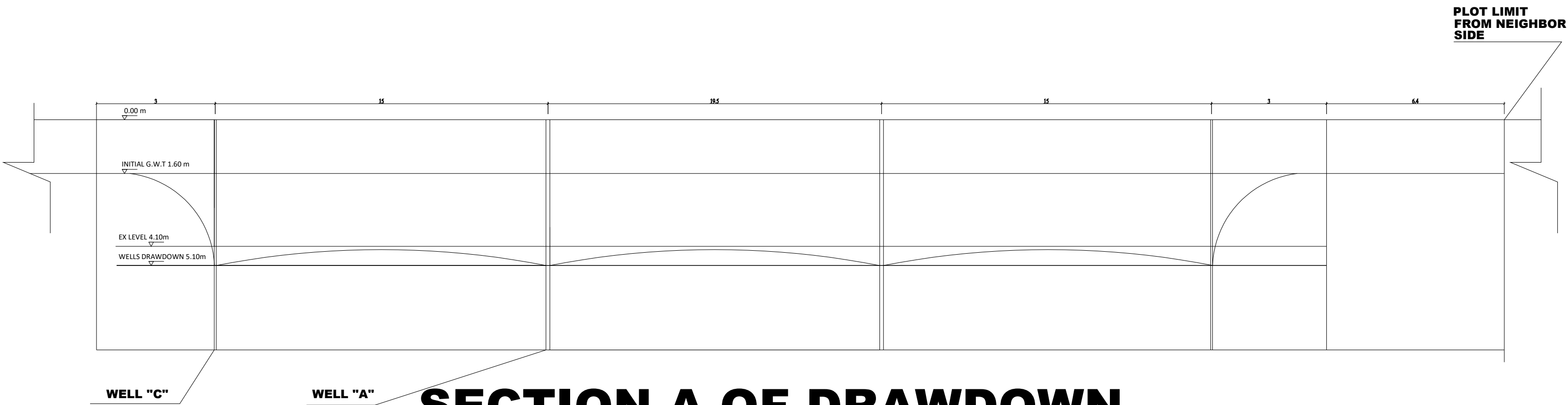
PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

DWG. TITLE :
DEWATERING EFFECT 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.





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.
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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	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

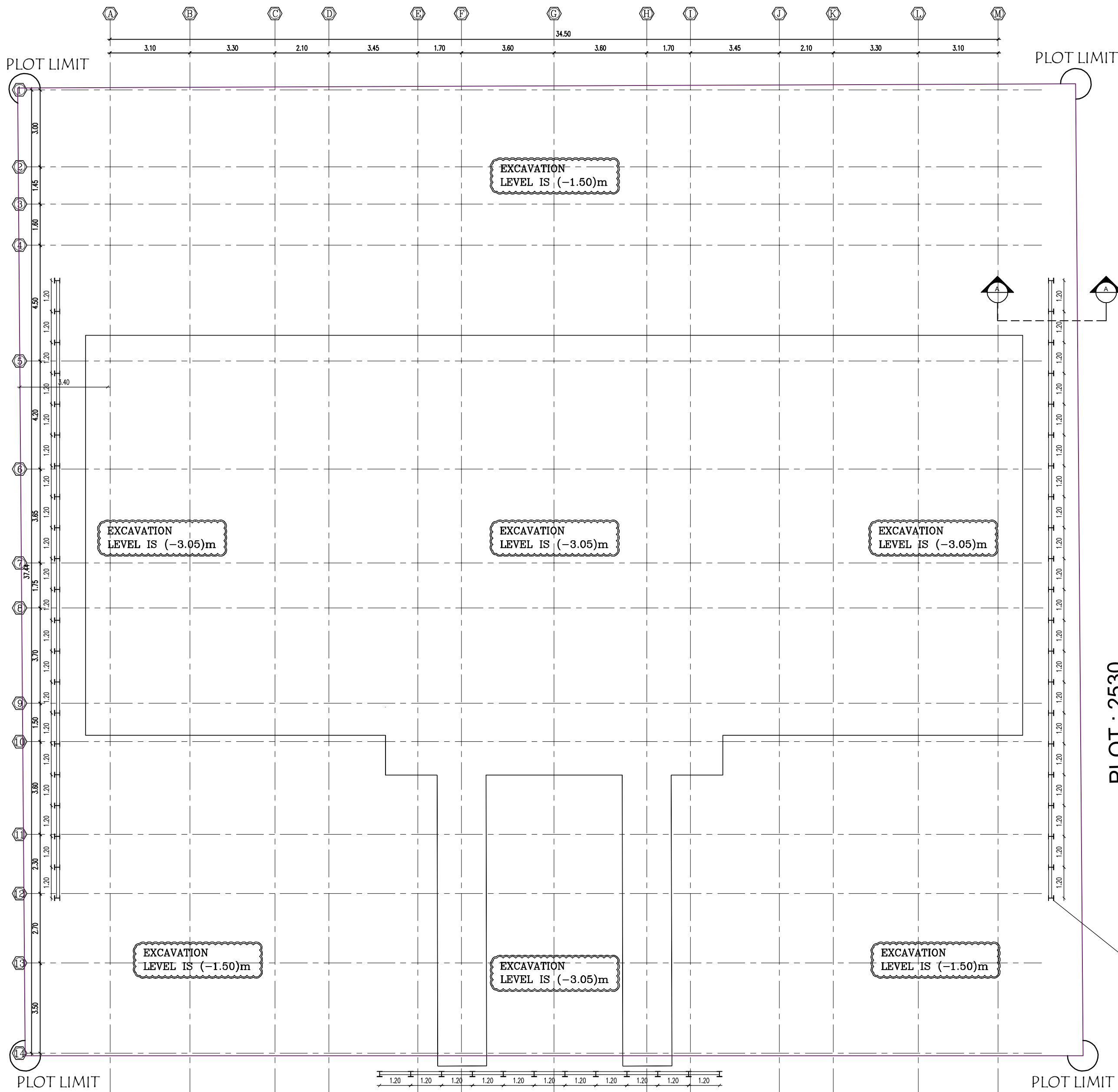
PROJECT TITLE :-
PROPOSED GROUND FLOOR SHOPS

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. :-

PLOT : 2527
G+1 VILLA

PLOT : 2524
G+1 VILLA



العمارة العربية للاستشارات الهندسية
Al Amara Al Arabia Engineering Consultant

10/10/2024 التاريخ

الموقع: الساحة / بلدية مدينة الشارقة - إدارة تراخيص البناء

الإنشاء: المبنى الجديد للاستشارات الهندسية

مهندس: محمد رحمة ناصر الشامي

الملاحظات: تأصيل المشروع وحل مشاكله (مبنى + أبراج + أرض + حدائق) مع مراعاة جميع القوانين من ثلاث جهات

رقم الملف: 2528

الملاحظات: الحرية للشارقة

تحت إشراف وموافقة من هيئة طرق ومواصلات الشارقة

بالإضافة إلى الملاحظات الواردة في هذا التقرير، المصمم يقر بأن جميع الحسابات والبيانات الواردة في هذا التقرير هي صحيحة ومطابقة للواقع، ولا يتحمل المصمم مسؤولية أي أضرار أو خسائر قد تحدث نتيجة استخدام هذا التقرير، ولا يتحمل المصمم مسؤولية أي أضرار أو خسائر قد تحدث نتيجة استخدام هذا التقرير، ولا يتحمل المصمم مسؤولية أي أضرار أو خسائر قد تحدث نتيجة استخدام هذا التقرير.

موقع الاستشارة والاعتماد: الشارقة

United Arab Emirates, Sharjah
Phone : +971 (06) 5729060
Fax : +971 (06) 5729070
P.O. Box : 1681, Sharjah
E-mail: amarah@amaraeng.com

0507868336
0565777402

PLOT : 2530
G+1 VILLA

UC 203x203x71kg/M



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

العمارة العربية للاستشارات الهندسية
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: amarah@amaraeng.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

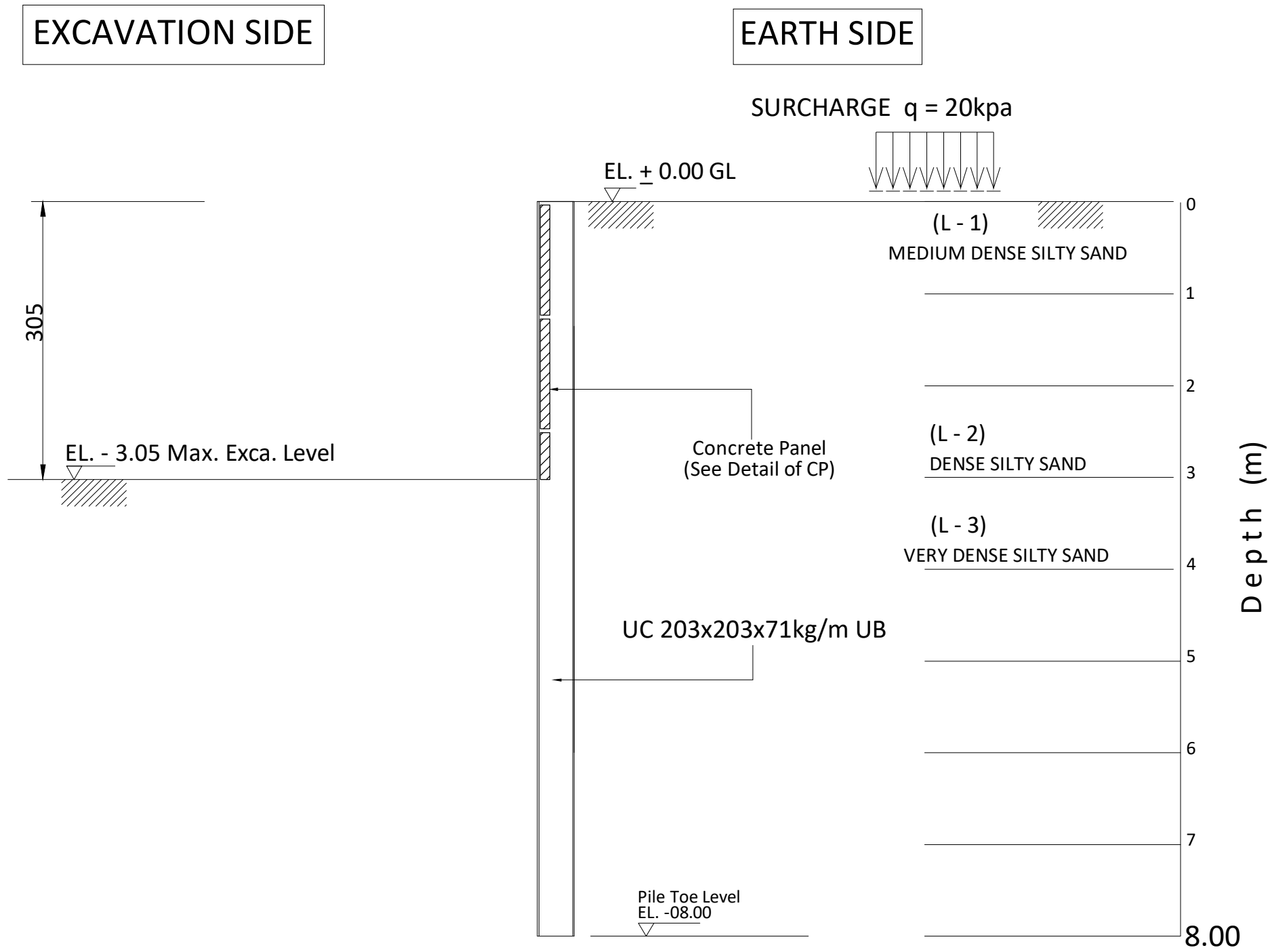
TITLE:
SHORING LAYOUT

JOB NO.: DATE : SCALE:

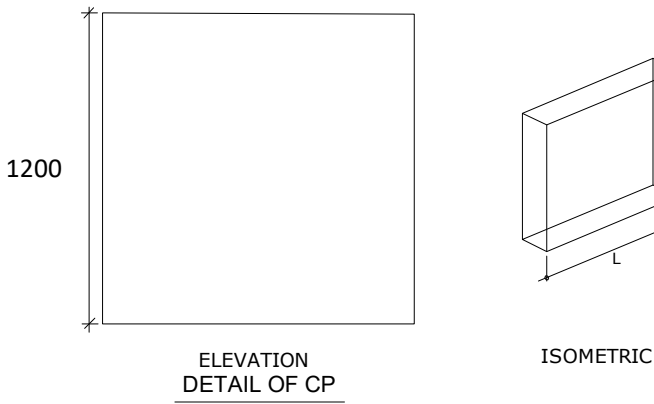
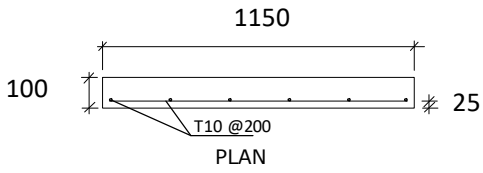
SHEET NO.: DRAWING BY:

DESIGN BY: ENG. M.H

R O A D 18.00 M



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



SUB CONTRACTOR:

MIDDLE EAST DEWATERING & FOUNDATION L.L.C

العمارة العربية للأمناء والمهندسين
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:

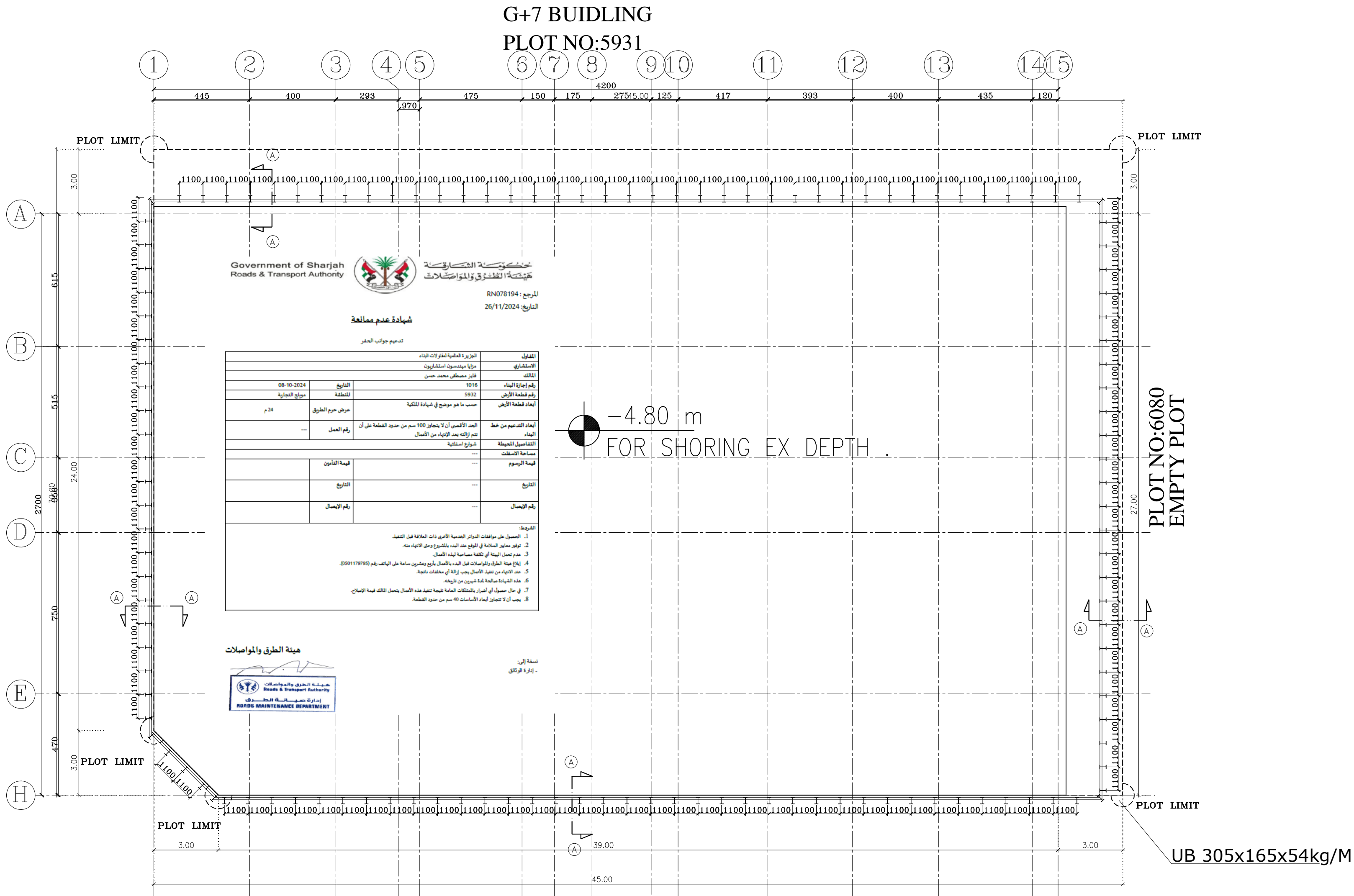
SCALE:

SHEET NO.:

DRAWING BY:

DESIGN BY: ENG.M.H

24 WIDE ROAD



STRUCTURAL NOTE:

AUTHORITY STAMP:-

CONS. STAMP:-

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

No.	Date	Revision Details	Initials

REVISIONS

IMPORTANT NOTICE:
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DO NOT SCALE DRAWINGS. FOLLOW WRITTEN DIMENSIONS

DESIGN CONSULTANT:

مزايا
مهندسون استشاريون

MAZAYA
CONSULTING ENGINEERS

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
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

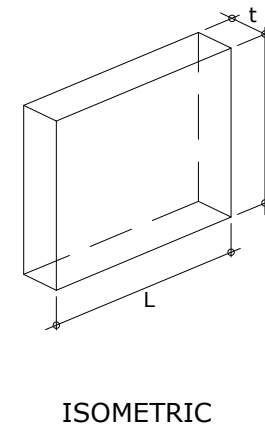
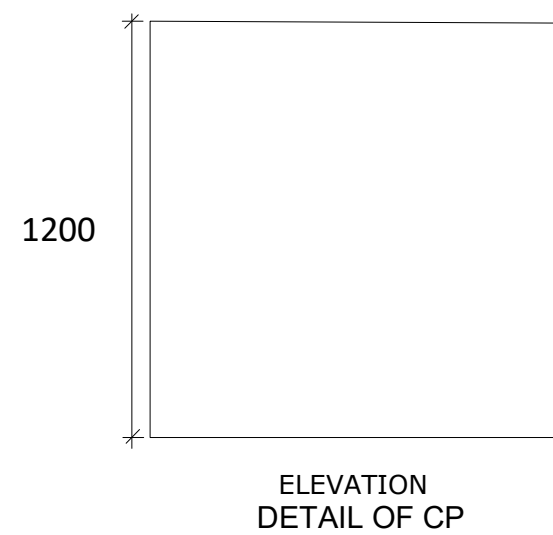
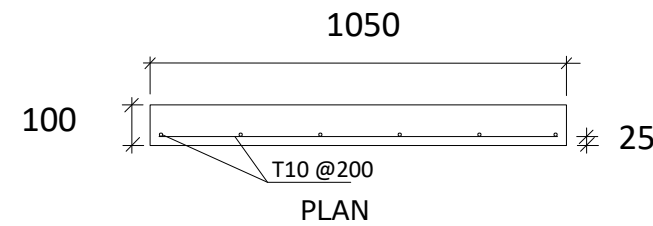
Depth (m)

Pile Toe Level
EL. -12.00

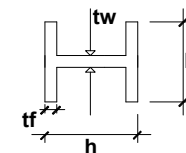
SECTION A - A

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
		REVISIONS	

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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 : المرجع
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	---
قيمة التأمين	---
رقم الإصدار	---

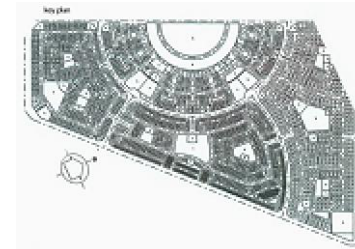
الشروط:

- الحصول على موافقات الدوائر الخدمية الأخرى ذات العلاقة قبل التنفيذ.
- توفر معايير السلامة في الموقع عند البدء بالشروع وحتى الانتهاء منه.
- عدم تعديل البنية أي تكلفة مساحة لبناء الأعمال.
- إزالة حدة الطرق والمواصلات قبل البدء بالأعمال بأربع وعشرين ساعة على الهاتف رقم (0501179795).
- عدم الانتهاء من تنفيذ الأعمال يجب إزالة أي مخلفات ناتجة.
- هذه الشهادة صالحة لمدة شهرين من تاريخه.
- في حال حصول أي أضرار بالملكات العامة نتيجة تنفيذ هذه الأعمال يتحمل المالك قيمة الإصلاح.
- 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

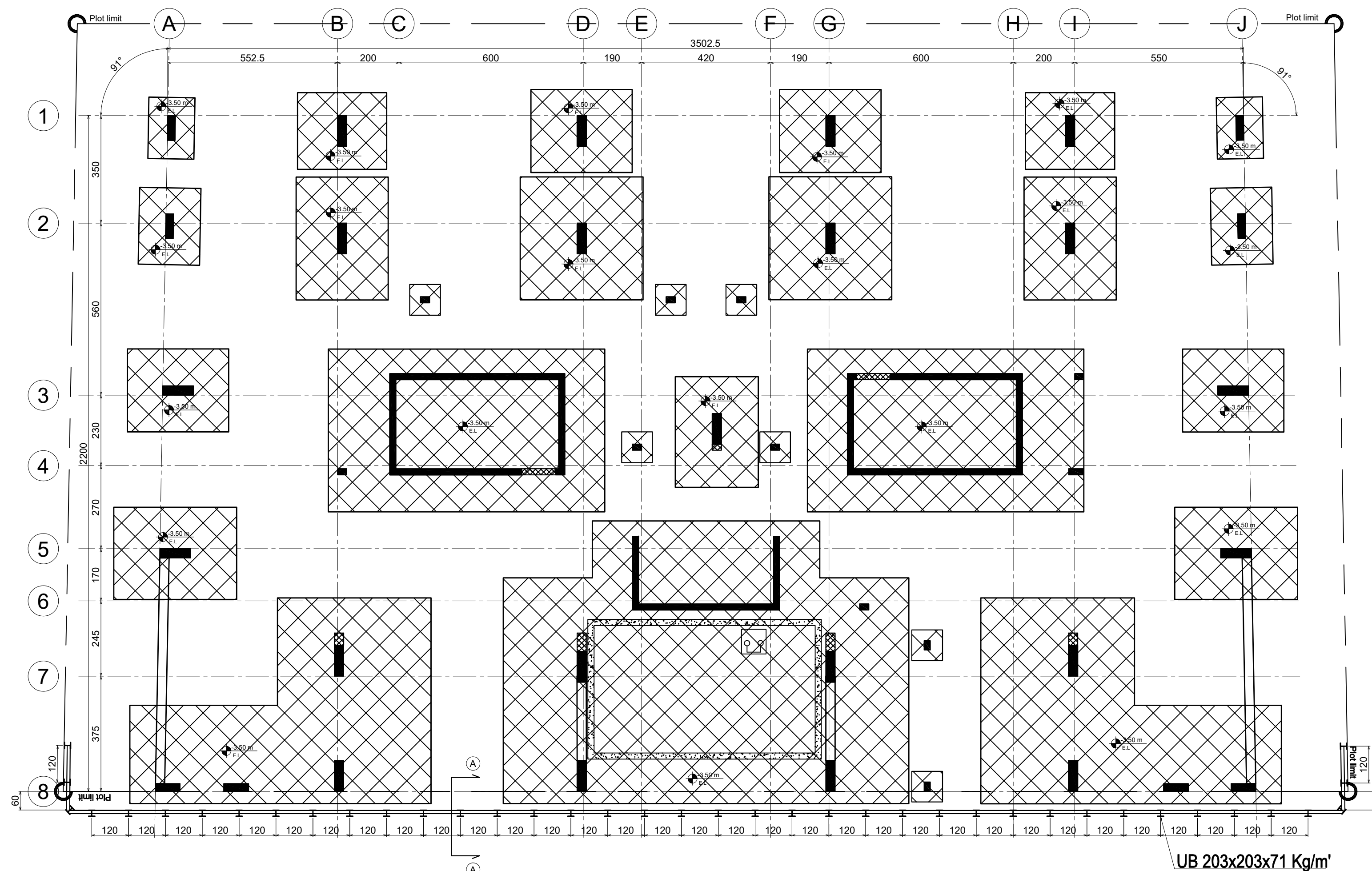
HEAD OF DESIGN SECTION	HEAD OF ENGINEERING SECTION
ARCH. DESIGNED BY	T. P. CREATED BY REVIT
STRUCT. DESIGNED BY	
ELEC. DESIGNED BY	MUN. CREATED BY REVIT
SERVICES DESIGNED BY	

PROJECT NUMBER:
4373

DRAWING NUMBER:
S-01

DATE
11/10/2024

SCALE
As indicated



SHORING & EXCAVATION LAYOUT

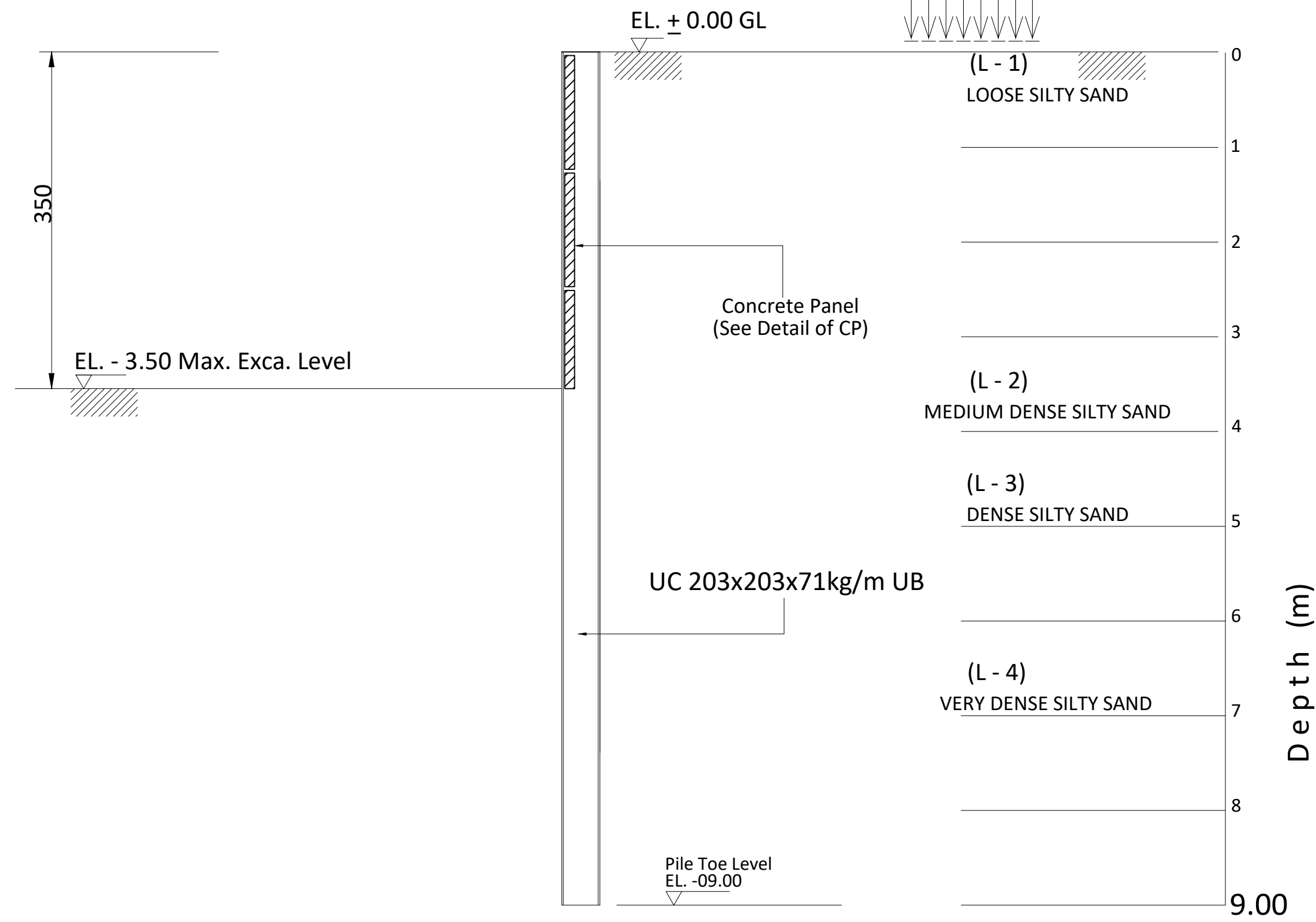
SCALE : 1-100



EXCAVATION SIDE

EARTH SIDE

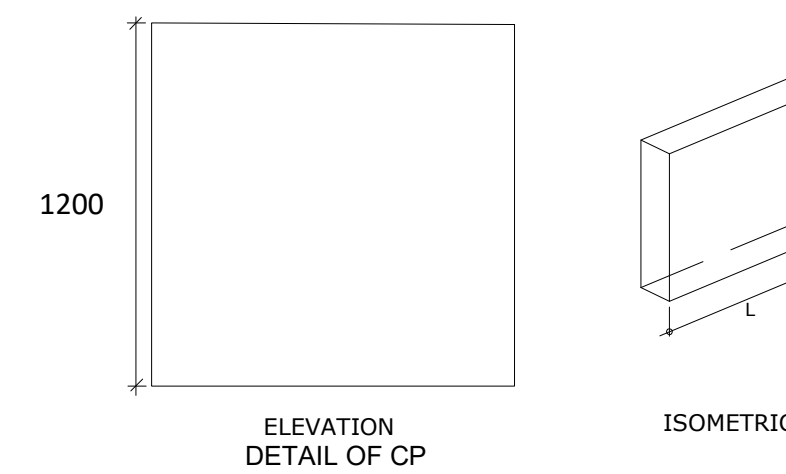
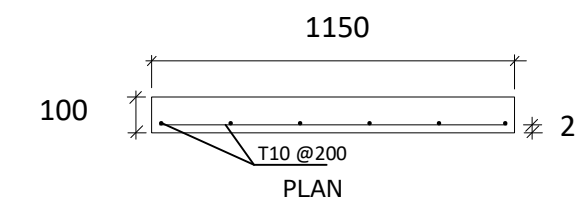
SURCHARGE $q = 20\text{kpa}$



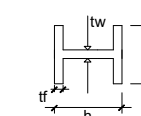
SECTION A - A

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:

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 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	

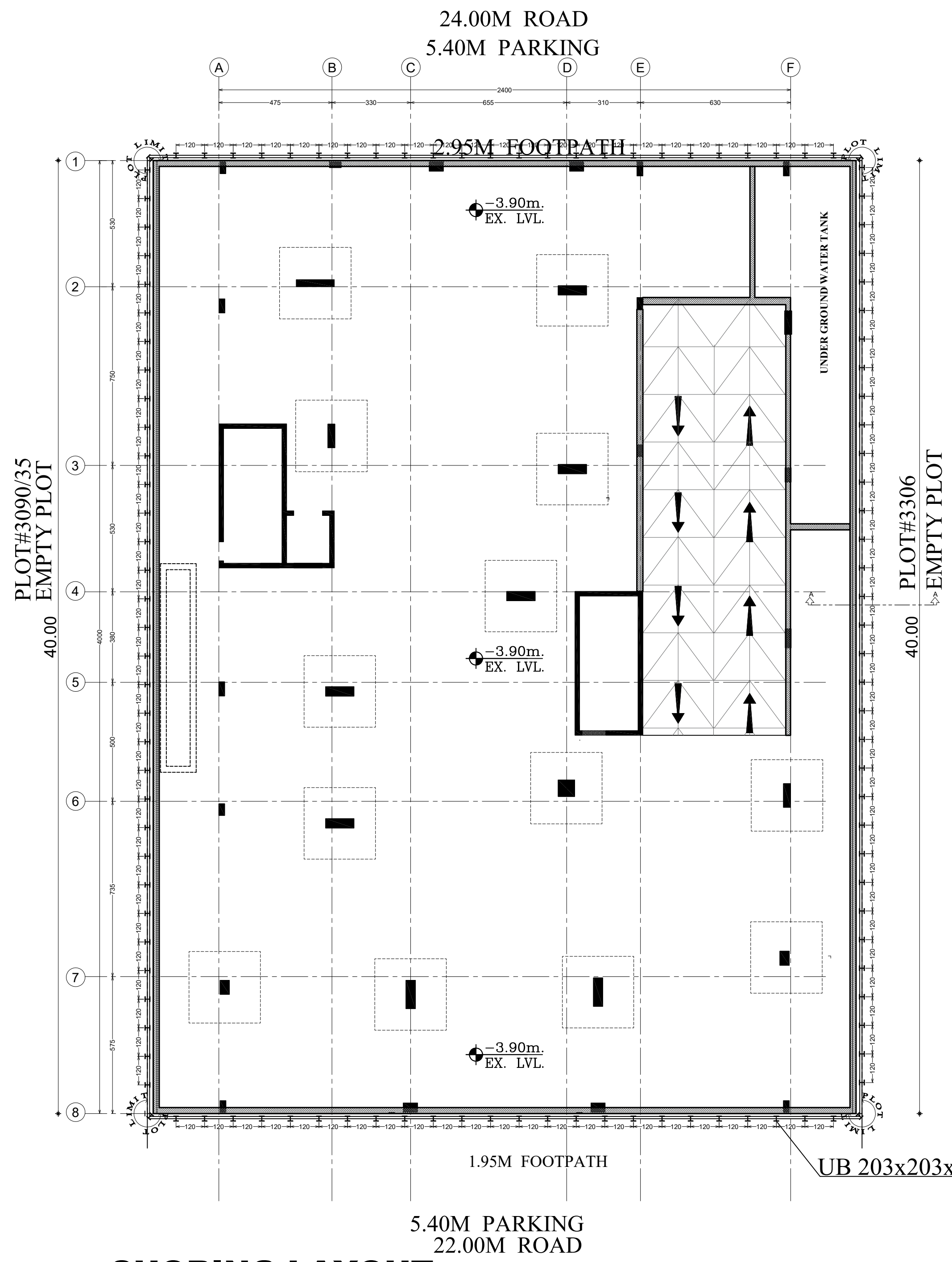
PROJECT NUMBER:
4373

DRAWING NUMBER:
S-01

DATE
11/10/2024

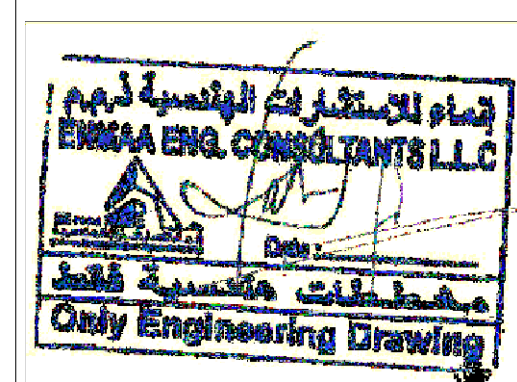
SCALE
As indicated





SHORING LAYOUT
SCALE : 1-100

GENERAL NOTES:-
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 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

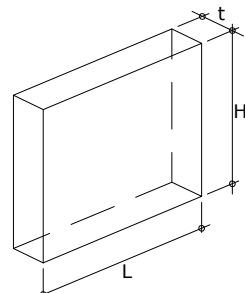
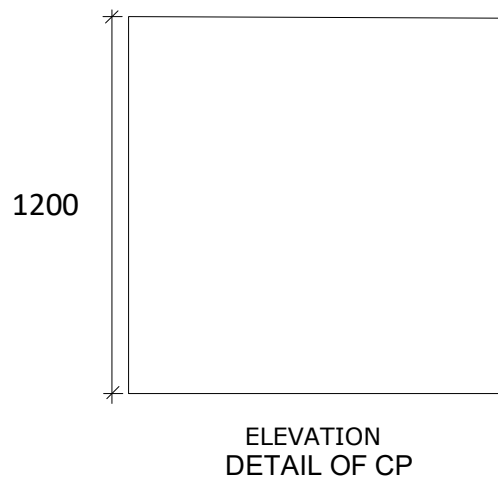
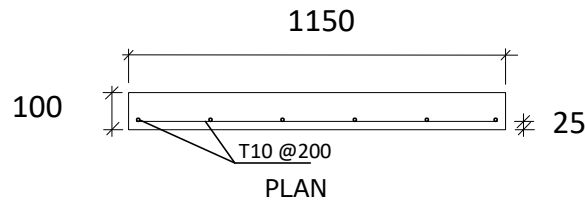
9

10.00

Depth (m)

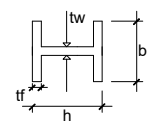
SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	



ISOMETRIC

SECTION PROPERTIES



H-BEAM L = 10.00m

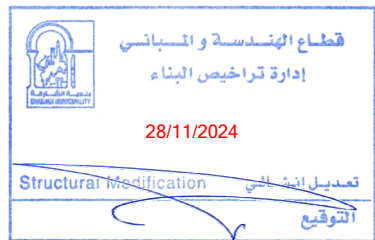
SECTION UC 203x203x71kg/M

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.	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-2:5DPM 1:100 SCALE REF. NO.

NO.	DATE	REVISIONS



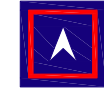
- GENERAL NOTES :
- DO NOT SCALE DIMENSIONS FROM DRAWING
 - DRAWINGS SHOULD BE READ IN CONJUNCTION WITH OTHER RELATED DRAWINGS
 - THE CONTRACTOR SHOULD REPORT IMMEDIATELY TO CONSULTANT ANY DISCREPANCIES FOUND IN THE DRAWING AND SHOULD BE RESOLVED BEFORE EXECUTION OF WORKS

-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

**النشواق**
AL ASHWAQ
ENGINEERING CONSULTANTS

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: COMMERCIAL MUWAILAH

PLOT NO.: 3841

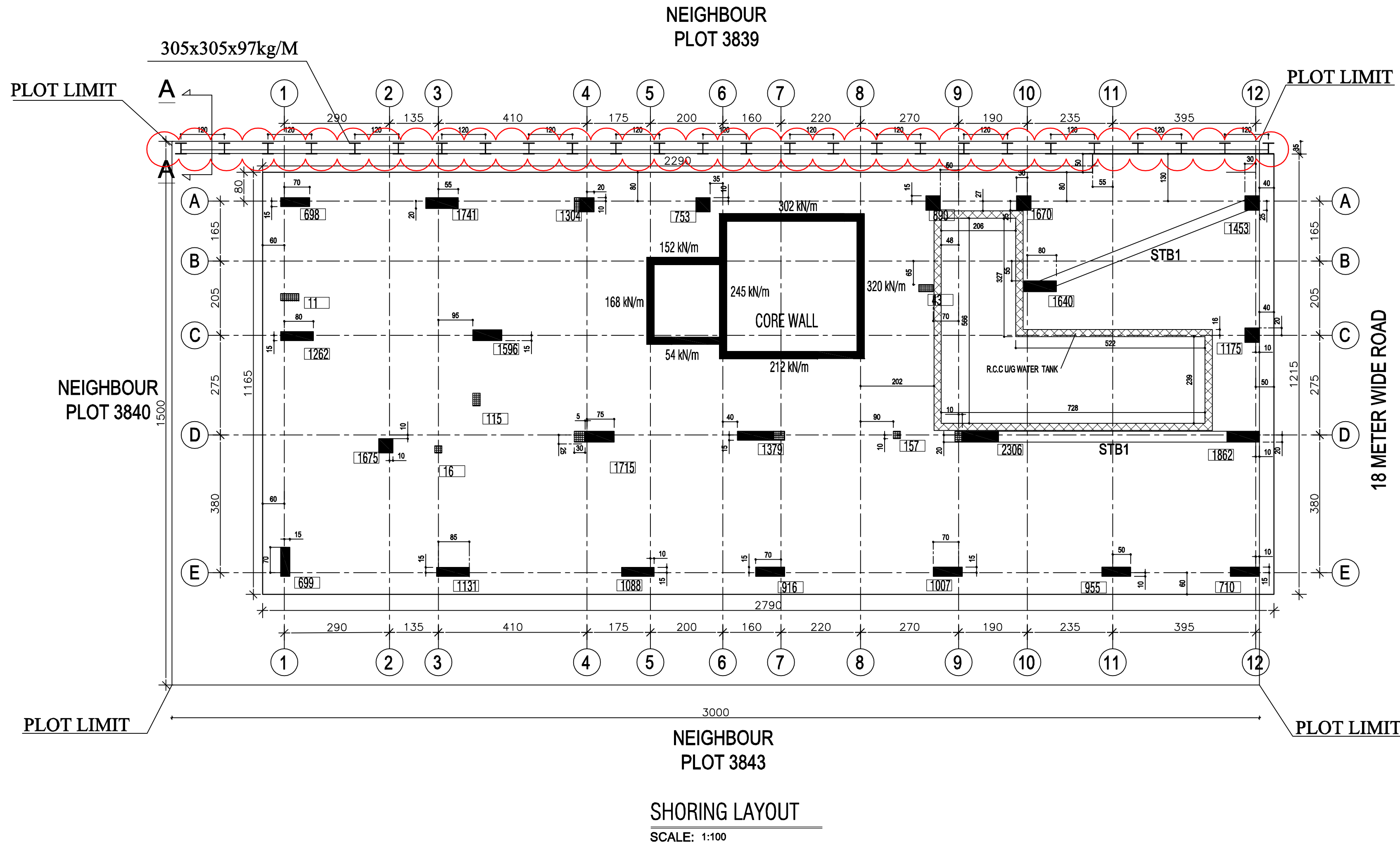
MULK: 27/221

JOB. NO.: AEC-S-93

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


النشواق
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

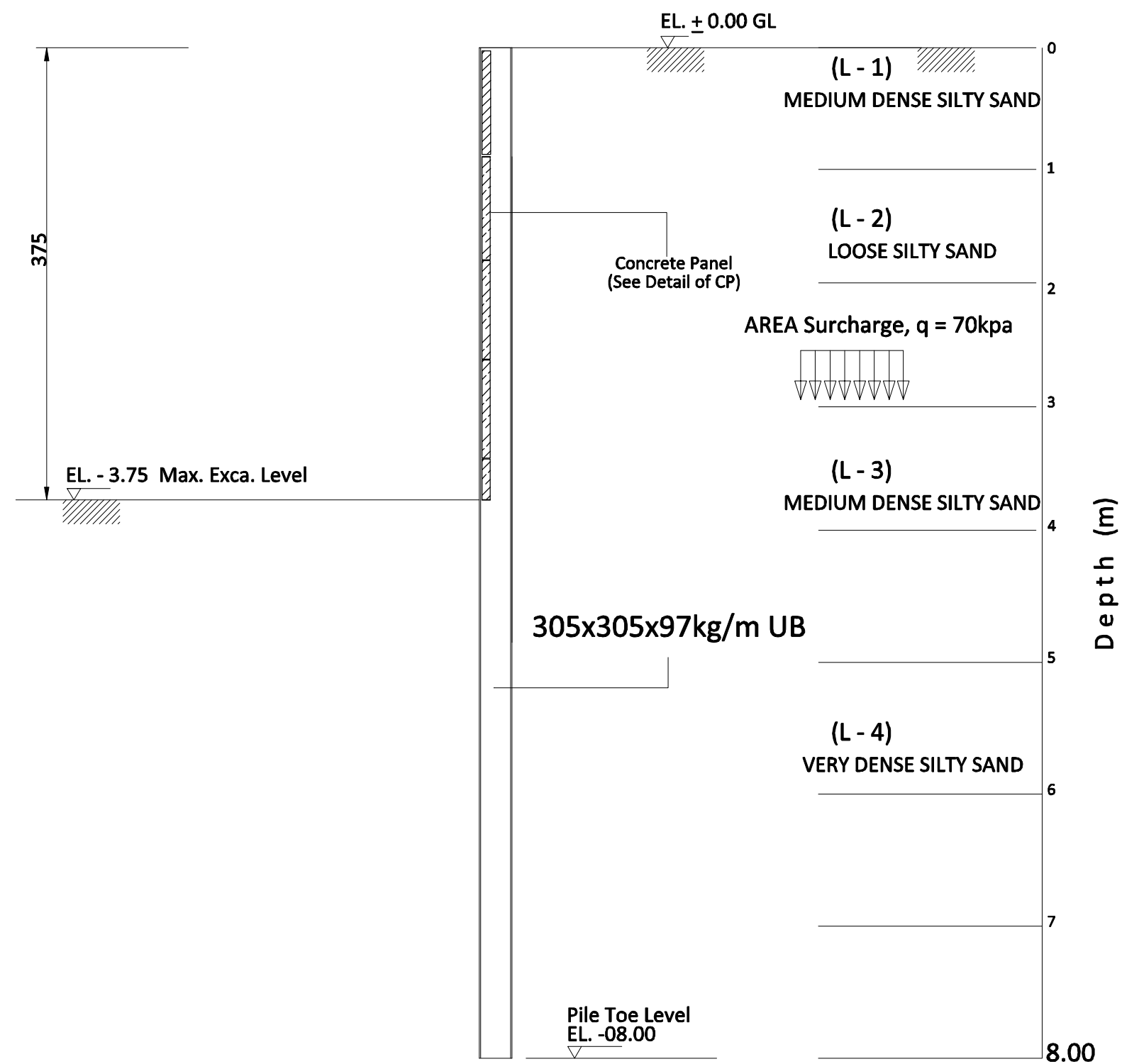
LOCATION:	PLOT NO.:	JOB. NO.:
COMMERCIAL MUWAILAH	3841	
	MULK:	AEC-S-93
	27/221	

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

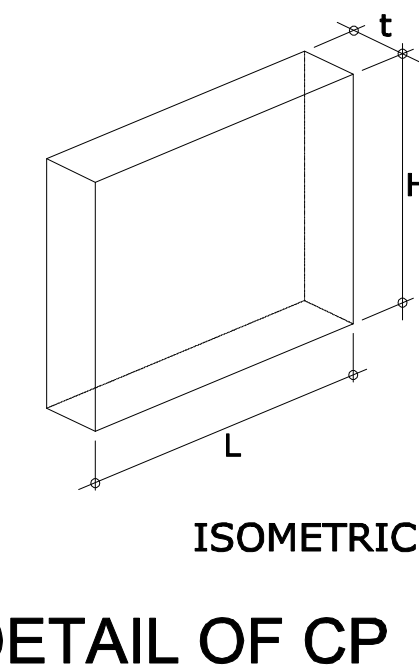
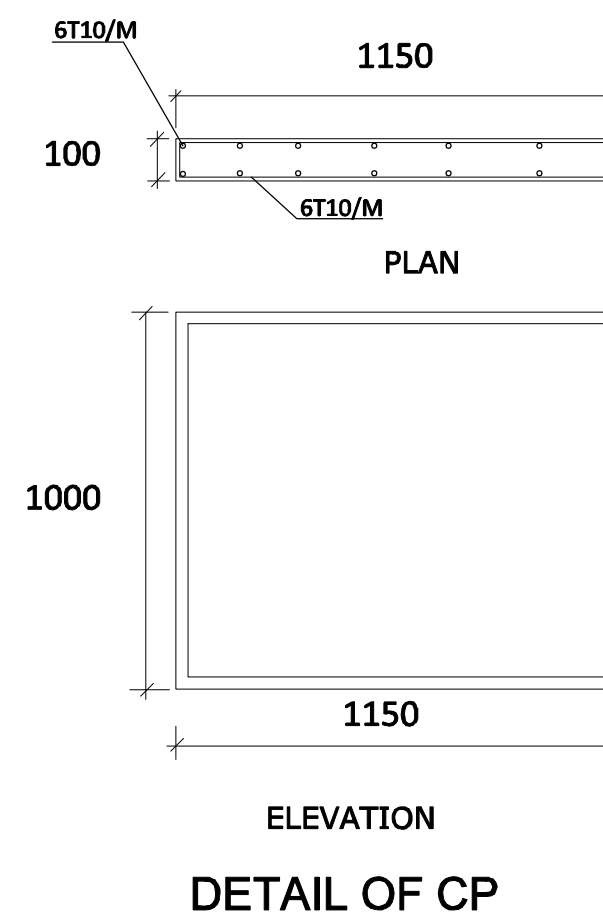
earth side



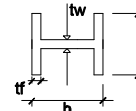
SECTION A - A

SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	QTY (nos)	REMARKS
100	1000x1150	837	



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

GENERAL NOTES :

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-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



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 Tel.: 06-5696740
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 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: COMMERCIAL MUWAILAH
 PLOT NO.: 3841
 MULK: 27/221
 JOB NO.: AEC-S-93

TITLE:

FOOTING LAYOUT

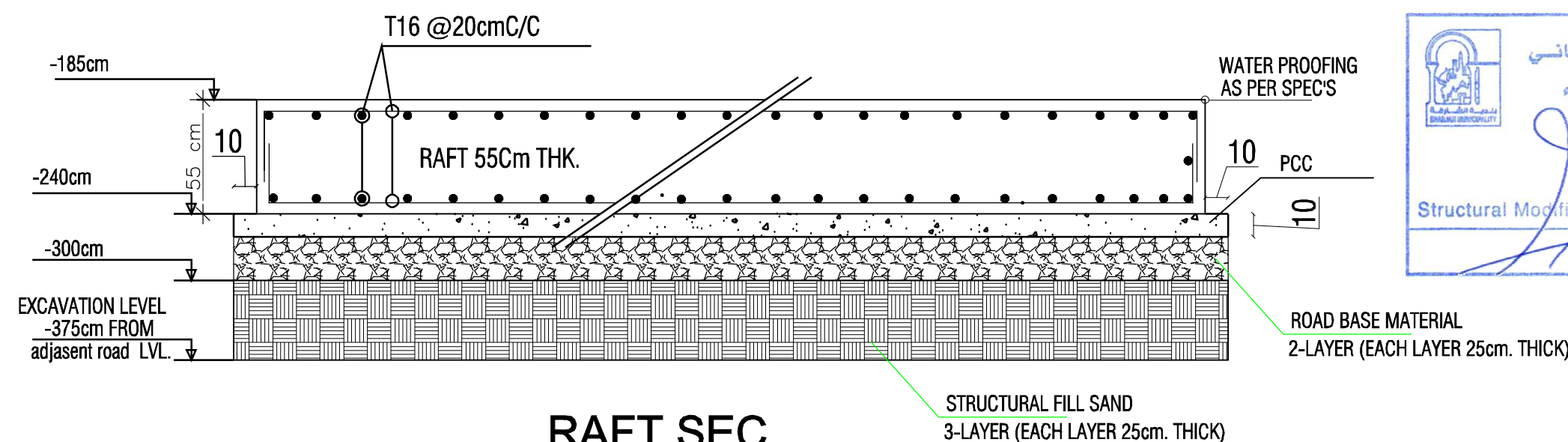
SECTION: STRUCTURAL
 DESIGNED BY: J.C. ADANTE
 STRCT'L ENGR.: A.A. KHAN
 DATE: MARCH 24, 2022
 SCALE: 1:100
 S-03
 S-12

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)	



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) :

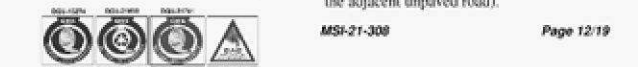
TABLE 14.1 NET ALLOWABLE BEARING CAPACITY FOR RAFT FOUNDATION		
Type of Foundation	Allowable Bearing Pressure	Modulus of sub-grade
Raft Foundation	140 kN/m ²	8,400kN/m ²

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).



MS-21-308 Page 12/19



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

البيان	المختصر	المختصر
للمشاريع	المختصر	المختصر
للمشاريع	المختصر	المختصر
رقم إجازة البناء	1059	رقم إجازة البناء
رقم قطعة الأرض	980	رقم قطعة الأرض
تعداد قطعة الأرض	حسب ما هو موضح في شهادة الملكية	تعداد قطعة الأرض
تعداد الدعامات من جهة	الجهة الأخرى أي لا يتجاوز 100 سم من حدود القطعة على أي	تعداد الدعامات من جهة
البناء	تدعيم زوايا وتد الإبقاء من الأساس	البناء
التفاصيل الهندسية	شواهد إحصائية من جهة واحدة	التفاصيل الهندسية
مساحة الأسفلت	---	مساحة الأسفلت
تعداد الرسوم	---	تعداد الرسوم
التاريخ	---	التاريخ
رقم الإصدار	---	رقم الإصدار



EXISTING G+15 BUI



توقيع المهندس

UC 203x203x71kg/M

ROAD 30.53

1 SHORING LAYOUT PLAN
SCALE 1:100 M

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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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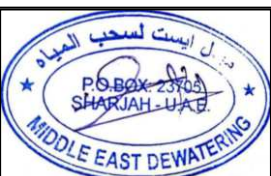


REV.	DESCRIPTION	DATE
0	MUNICIPALITY SUBMISSION	30-05-2024
...	...	...
...	...	...

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

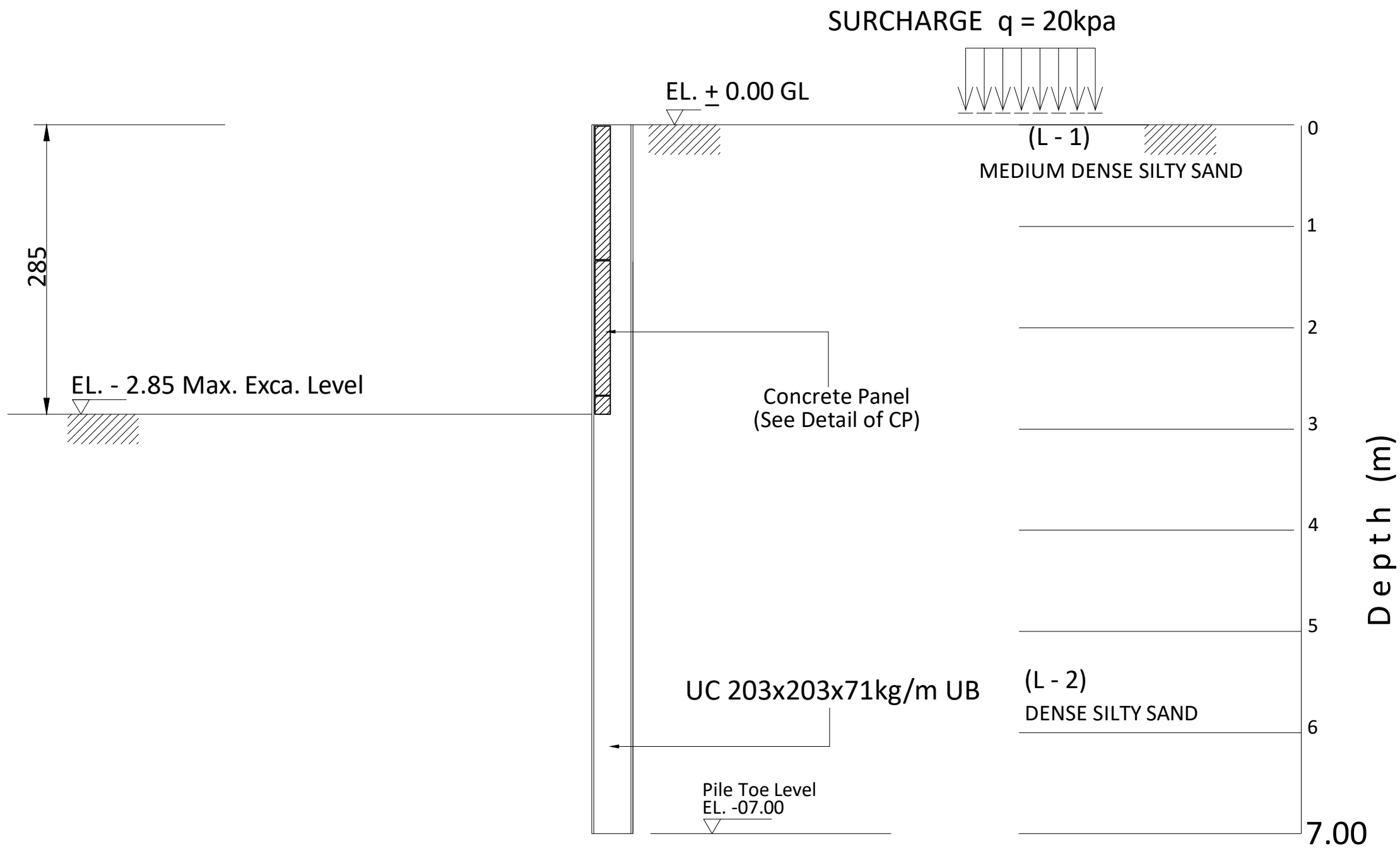
DESIGN ARCH.		CHECKED BY
PROJECT ARCH.		H.S
STRUC.	M.H	SCALE:
MEP		
DRAWN	M.H	

JOB NO:	DWG NO:	REV. NO.
	S27	

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EXCAVATION SIDE

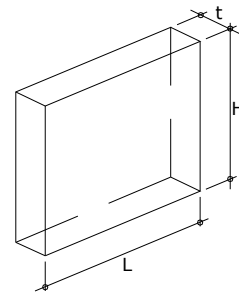
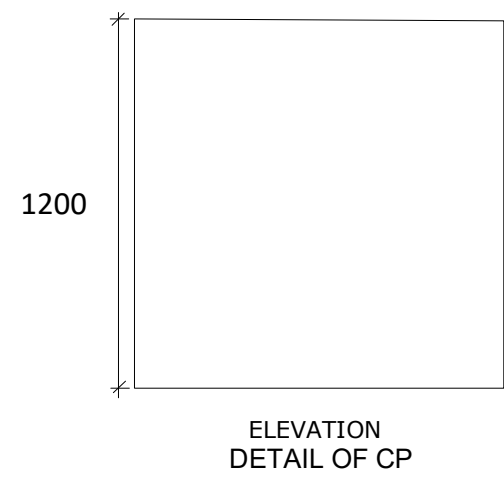
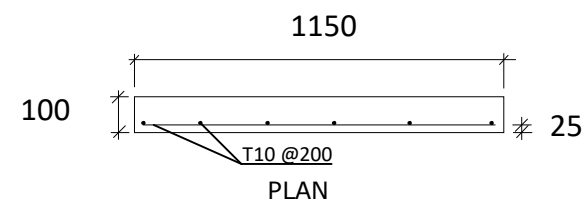
EARTH SIDE



SECTION A - A

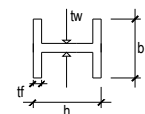
SCHEDULE OF CONCRETE PANEL

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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REV.	DESCRIPTION	DATE
0	MUNICIPALITY SUBMISSION	30-05-2024
...		
...		

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☐ 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

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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.



Signature



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

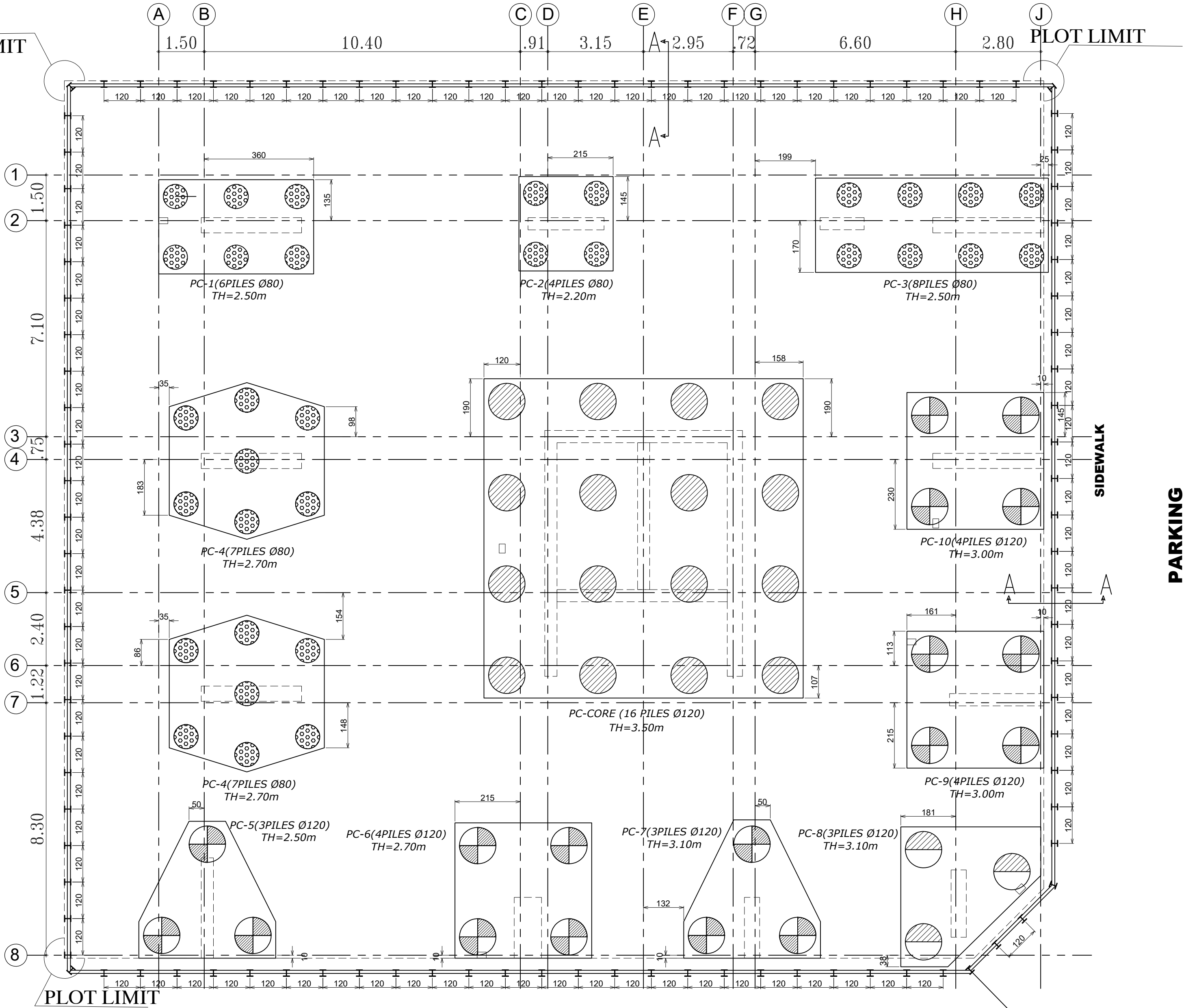
REF:NO:

NO. DATE R E V I S I O N S

PLOT LIMIT

PLOT NO 483

EXISTING G+14 BUILDING



SIDEWALK

PARKING

SIDEWALK

PARKING

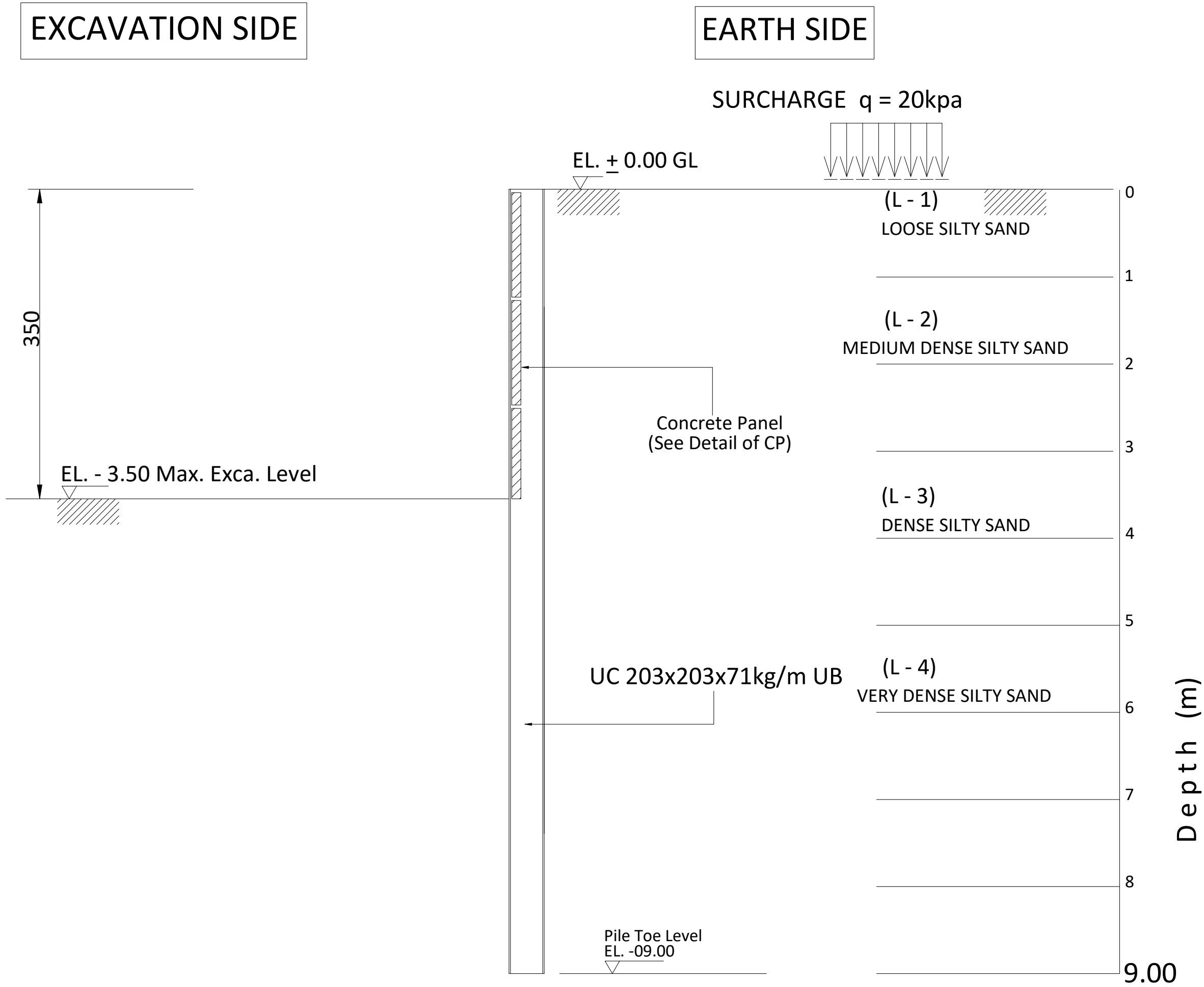
UC 203x203x71kg/M

SHORING LAYOUT

SCALE : 1-100

ROAD 18.30 M

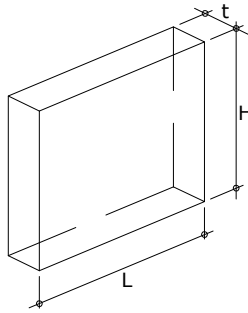
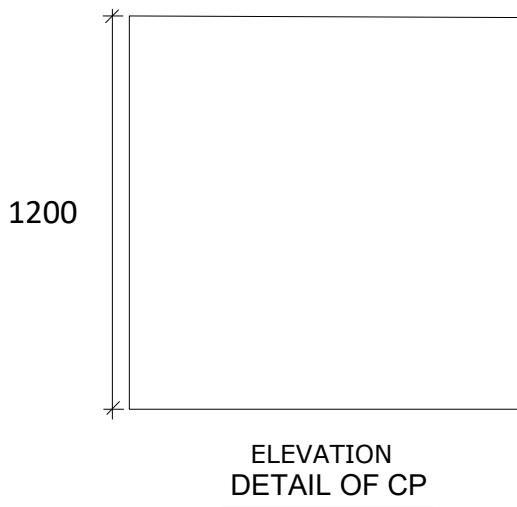
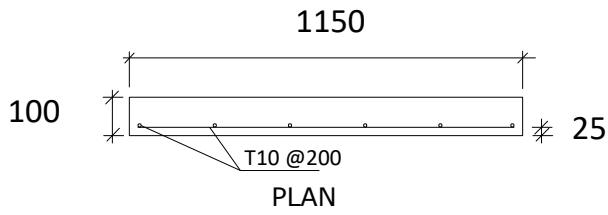
ROAD 18.30 M



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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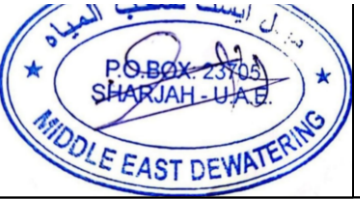
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Signature



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



CLIENT
ABDULLA MOHAMMED ALI ALMULLA

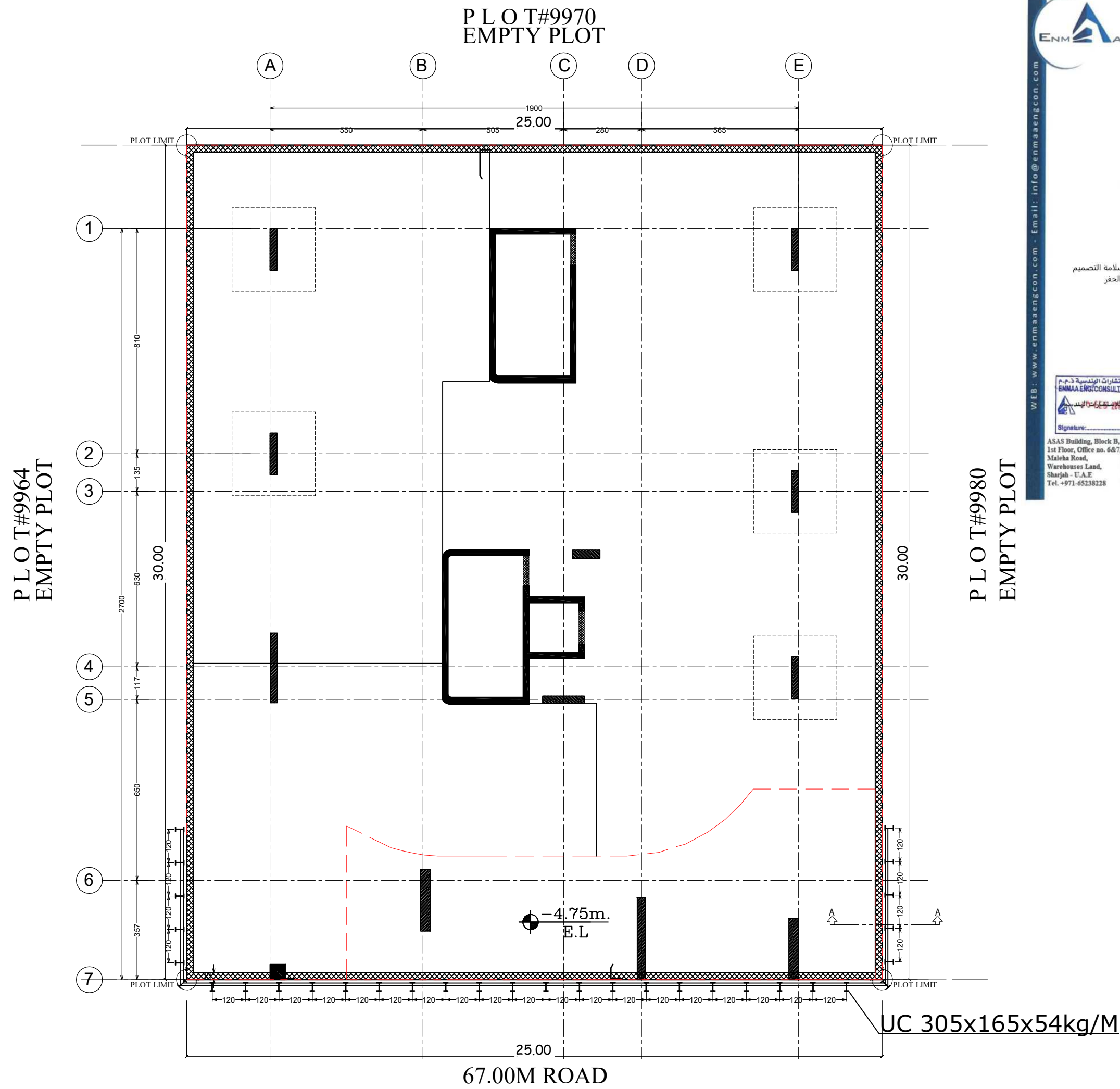
PROPOSED PROJECT
PROPOSED BUILDING (G+5P+15F)

PLOT LOCATION
PLOT NO.: 481GOV - 125 MULK

SHEET CONTENT
SHORING 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



ENMAA ENGINEERING CONSULTANTS

المساحة / بلدية مدينة الشارقة - إدارة تراخيص البناء

الموقع:

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

تاريخ:

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 الالتزام والتقدير

ENMAA ENGINEERING CONSULTANTS L.L.C

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

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إتمام للاستشارات الهندسية ذ.م.م

ENMAA ENG. CONSULTANTS L.L.C

Reza

Date :

مخططات هندسية فقط

Only Engineering Drawing

ENMAA ENGINEERING CONSULTANTS

إتمام للاستشارات الهندسية

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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

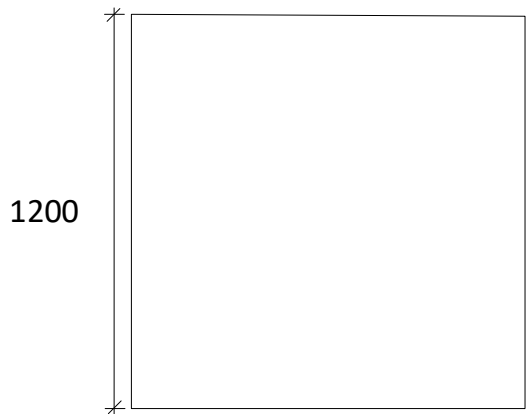
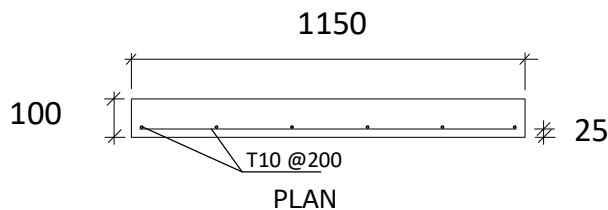
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12.00

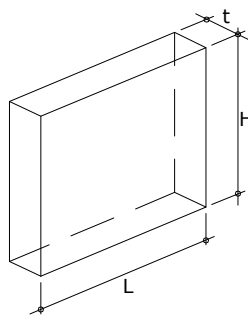


SCHEDULE OF CONCRETE PANEL

THK(mm)	SECTION	REMARKS
100	1200x1150	

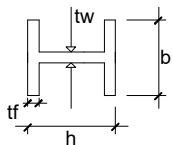


ELEVATION
DETAIL OF CP



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

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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

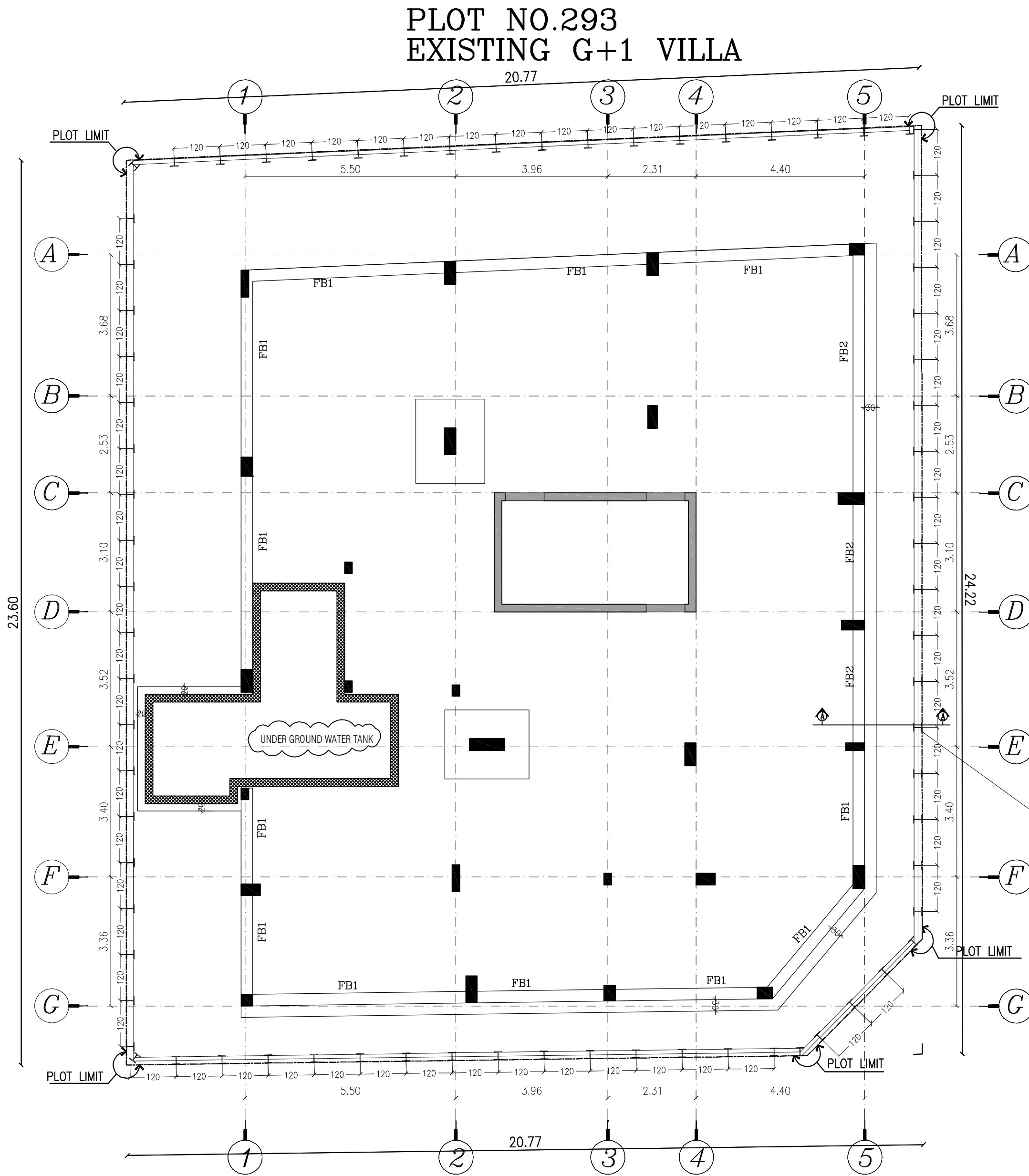
SHEET CONTENT
SHORING SECTION

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

SECTION A - A

PLOT NO.291
EXISTING G+1 VILLA



SHORING LAYOUT

UB 203x203x71kg/M

ميدل إيست لسحب المياه
Middle East Dewatering

التاريخ : 2024/06/13
المختبر : السادة / بلدية الشارقة
تحت إشراف :
المشروع : (مبنى أرضي 2+) شقة رقم 292 - ميسلون - الشارقة
الموضوع : تعمد
بالإشارة إلى المشروع أعلاه ، تمديد لخدمة شركة ميدل إيست لسحب المياه و الطرق المجاورة
للمشروع فتمت أعمال بناء حوائط الخندق بالخرق و انما تحت سواطنا بالكامل



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

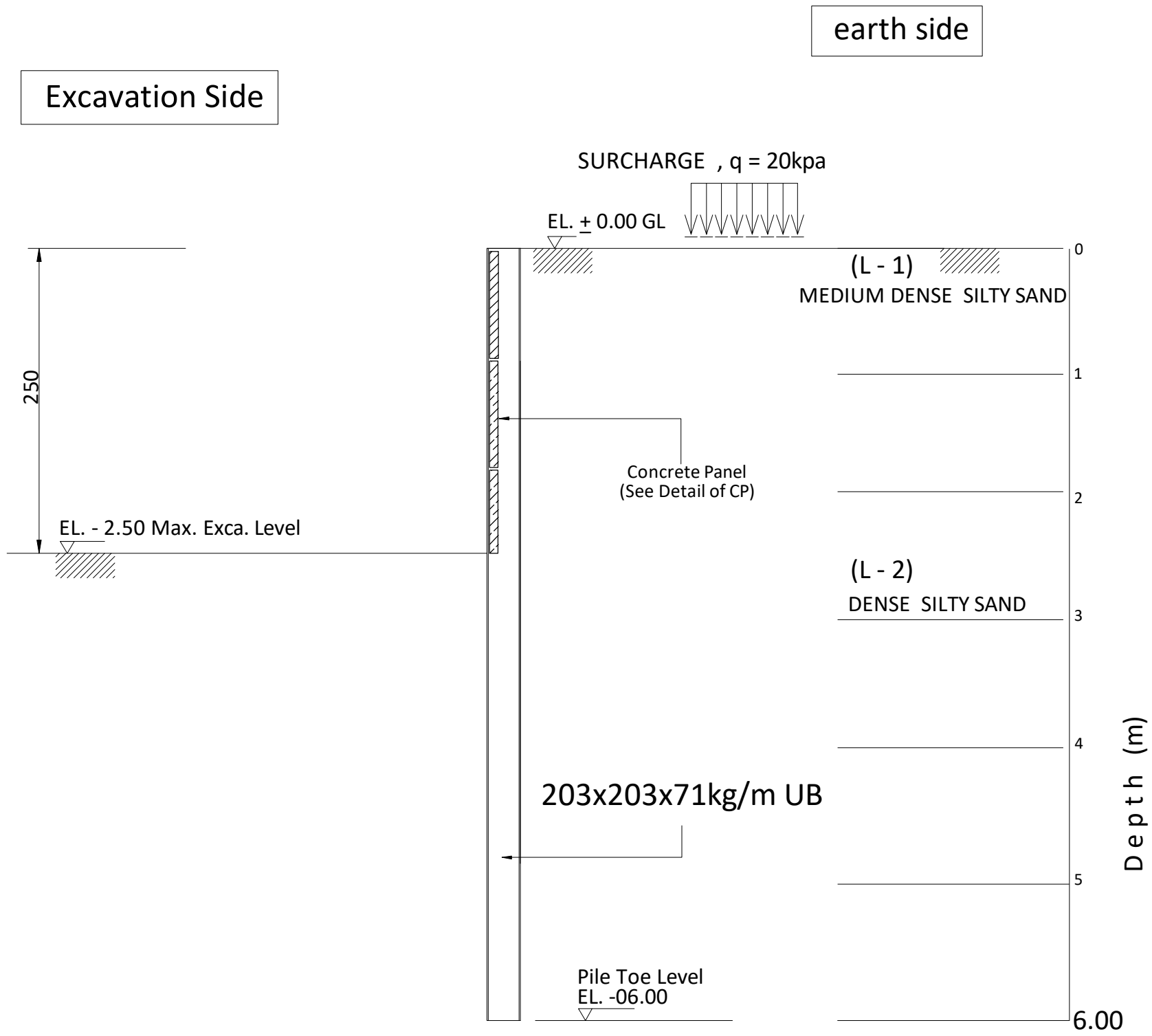
Drawing
Title.

SHORING LAYOUT

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

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

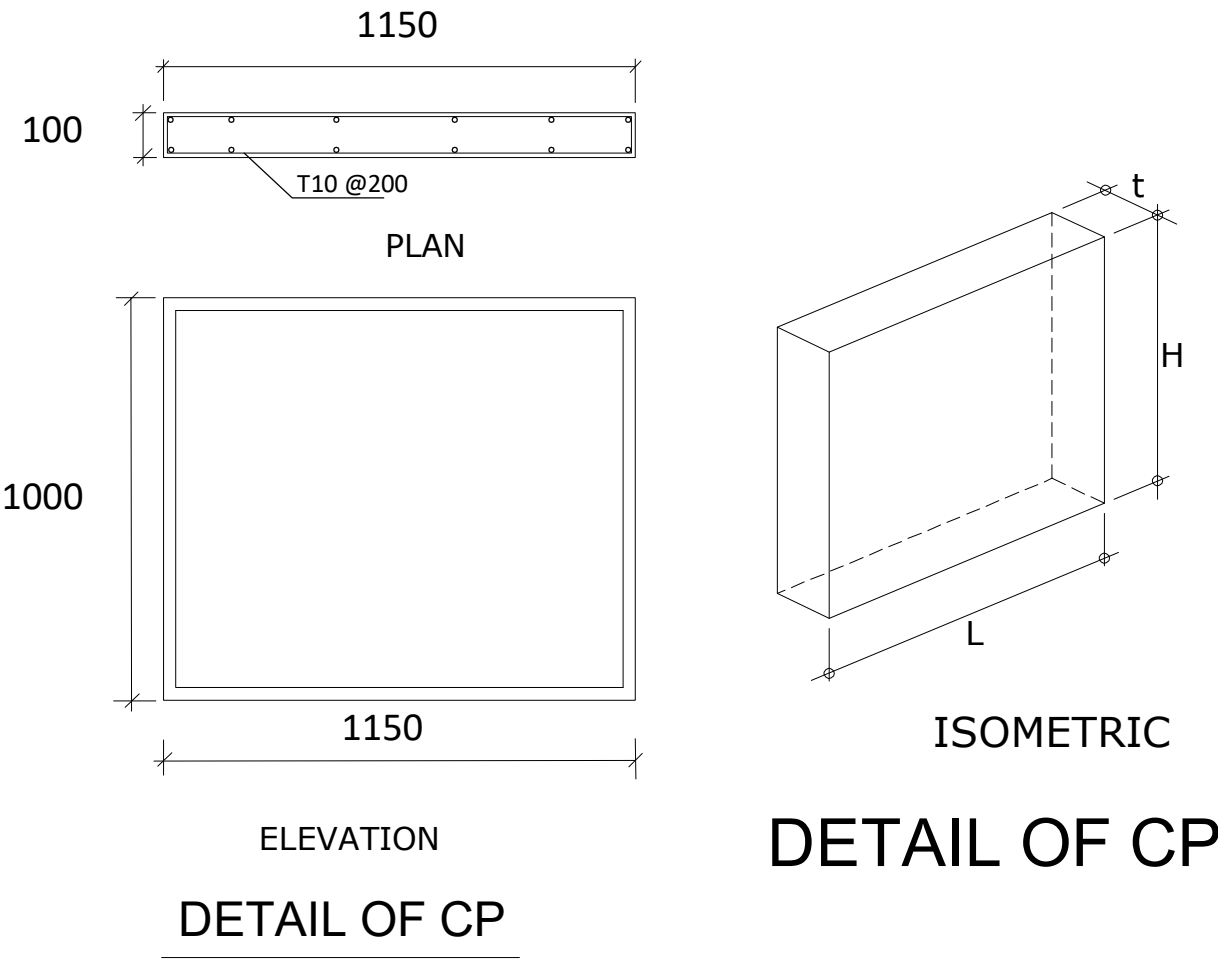
Drawing Number : 2-4



SECTION A - A

SCHEDULE OF CONCRETE PANEL

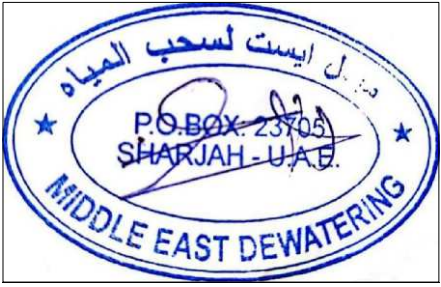
THK(mm)	SECTION			REMARKS
100	1000x1150			



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,t'f (mm)	17.3	
WEB,tw (mm)	10	
MODULUS, Zx		
PLASTIC (cm ³)	706	

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

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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

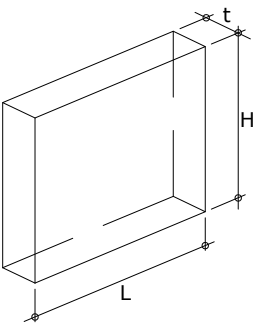
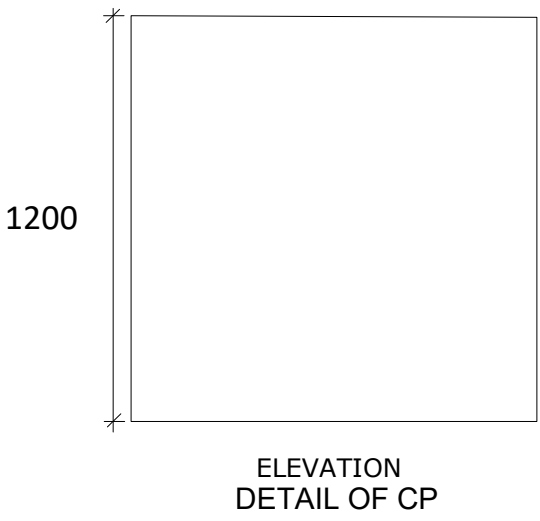
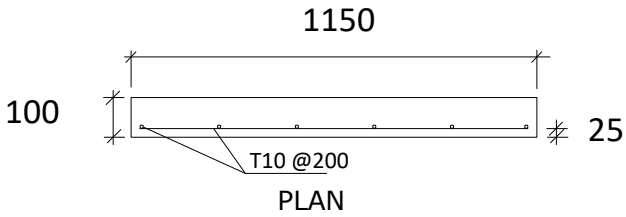
Pile Toe Level
EL. -12.00

Depth (m)

12.00

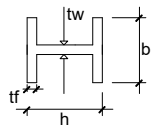
SCHEDULE OF CONCRETE PANEL

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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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

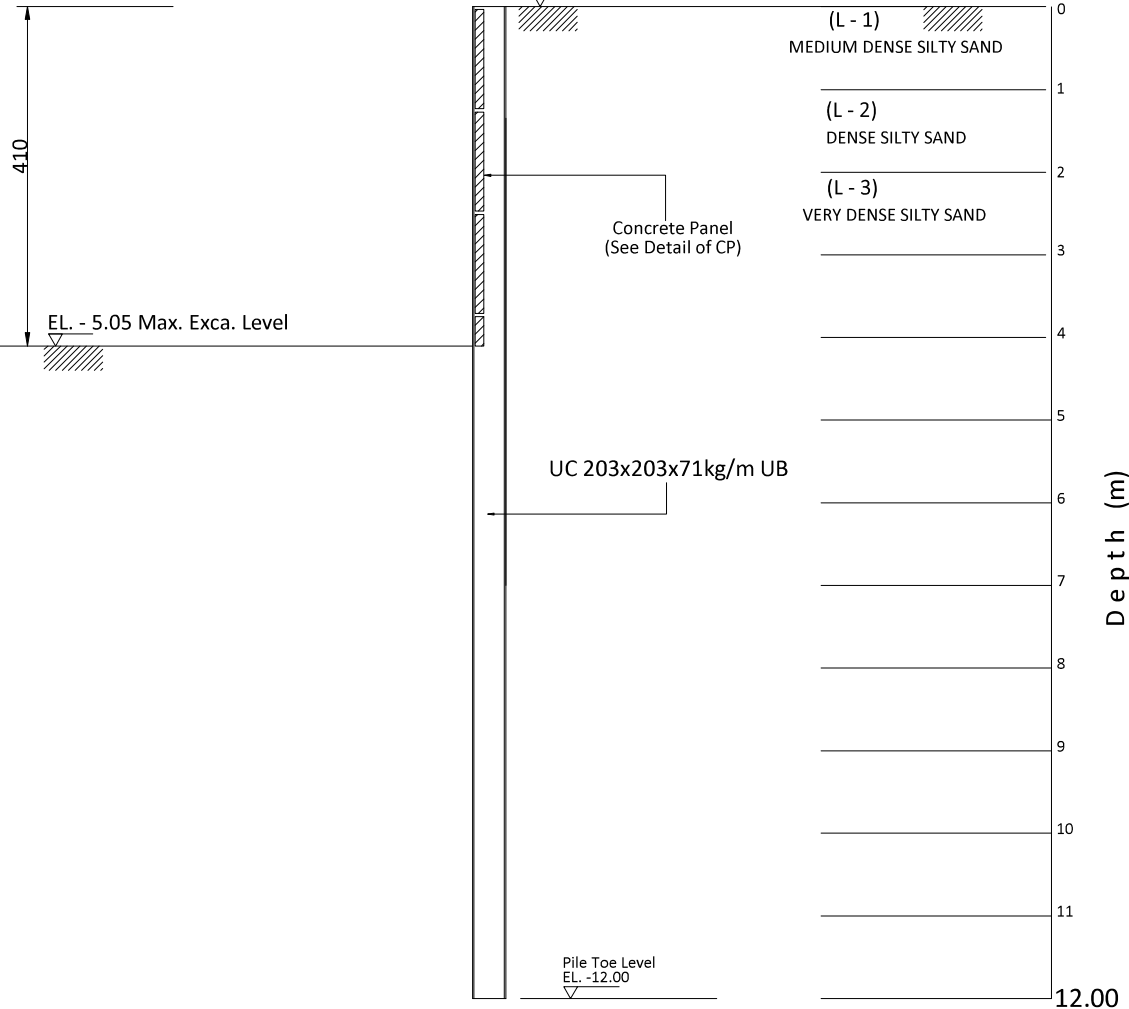
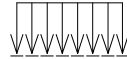
SECTION A - A

EXCAVATION SIDE

EARTH SIDE

SURCHARGE $q = 20\text{kpa}$

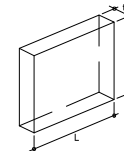
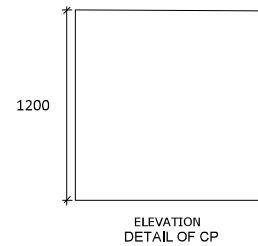
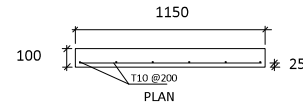
EL. - 0.95 GL



SECTION A - A

SCHEDULE OF CONCRETE PANEL

ITEM	SECTION	QUANTITY
100	1000x1150	1



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, Z _x	
PLASTIC (cm ³)	706



FOR MUNICIPALITY USE

GENERAL NOTES :

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SUB CONTRACTOR :
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CLIENTS :-
MR. MOHAMED AHMAD ALI ALZAROONI

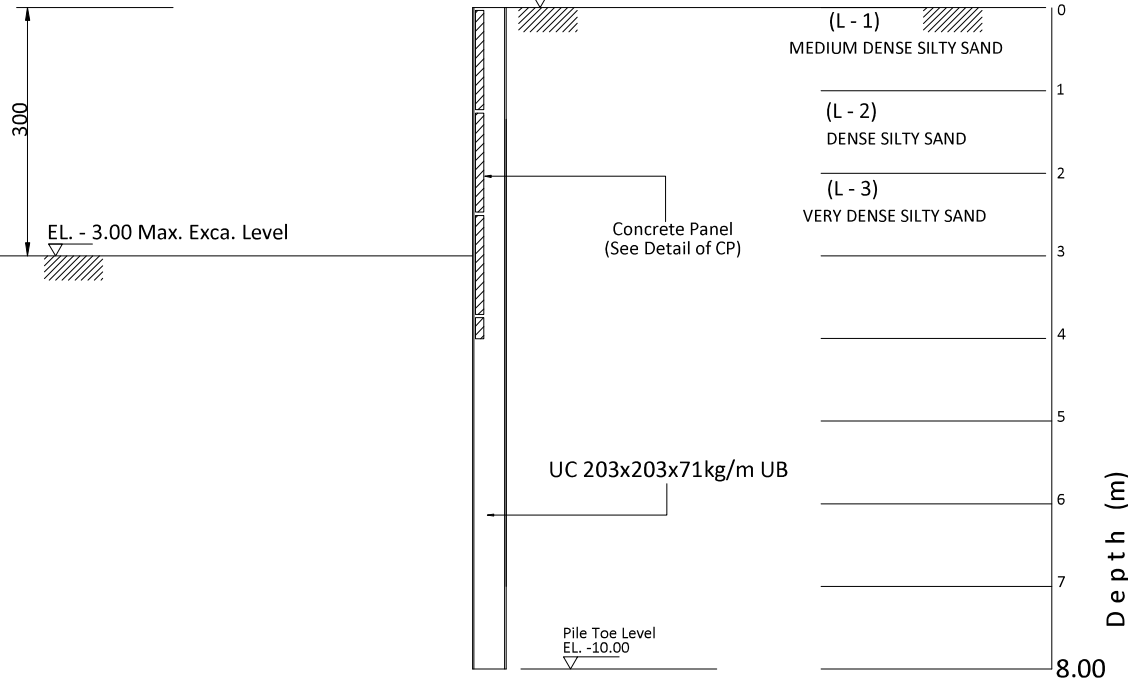
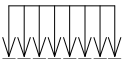
PROJECT TITLE :-
PROPOSED BUILDING G+2

DWG. TITLE :
SHORING SECTION A

PLOT NO.-	580	BLOCK- AL TAY WEST / SEYUOH
DATE	480	
DESIGNED BY- E.M.H	COMPAILED BY- H.S	DATE 15.09.2024
3D PERSPECTIVE BY	SCALE- 1/100	SHEET NO.- INV 345

EXCAVATION SIDE

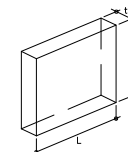
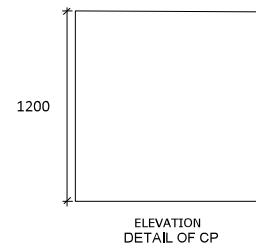
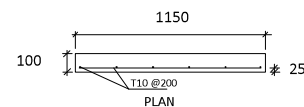
EARTH SIDE

SURCHARGE $q = 20\text{kpa}$ EL. ± 0.00 GL

SECTION B - B

SCHEDULE OF CONCRETE PANEL

THICKNESS	SECTION	REMARKS
100	1300x1150	



SECTION PROPERTIES



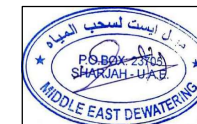
H-BEAM	L = 8.00m
SECTION	UC 203x203x71kg/M
MASS (kg/m)	71
DEPTH _h (mm)	215.8
WIDTH _b (mm)	206.4
FLANGE _{tf} (mm)	17.3
WEB _{tw} (mm)	10
MODULUS, Z_x	
PLASTIC (cm^3)	706



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SUB CONTRACTOR :

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 www.investmentengineeringae

CLIENTS :-

MR. MOHAMED AHMAD ALI ALZARROONI

PROJECT TITLE :-

PROPOSED BUILDING G+2

DWG. TITLE :

SHORING SECTION B

PLOT NO -	NO. 580	BLOCK -	AL TAY WEST / SEYUOH
DESIGNED BY -	480	APPROVED BY -	
E.M.H		H.S	
3D PERSPECTIVE BY	SCALE - 1/100	DATE -	15.09.2024
	SHEET NO -		INV 345