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المجلس الأعلى للدراسات والبحوث

[illegible]

مجلس الشركة المفتوح :

9/3/14

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الفرمان الملكي

2017年12月12日

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٢٠١٤ / ٢٠١٣ / ١٣٩٩ هـ - ١٤٠٠ هـ (١) تاريخ مستخلص

استشاري الهيئة مكتب الرقابة
المستشار
م. المصطفى
م. المصطفى

مفتی محمد رفیع الدین

مهندس الشركة المنفذة



أهملوا الأجر التزاعى لمتمروخ القطار السربح أقطاع الدين المستعانة { في السالمة من المبرجة ١٥٠ كم حتى الى المبرجة
----- بطول ١٠, ١٥ كم [بالاخر المباشرة]

بيني وبيننا، الإجماع الذي تمت من بداية الإجماع حتى تأييد مستشاري، (١) عقد رقم ٢٠١٦/٢٠١٦

[illegible]

مفتاح الہیۃ

استبداء في الجنة (مكتوب القرآن)

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REQUEST TO POUR CONCRETE



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours
The work detailed below will be complete and ready for inspection at planned time shown

Contractor Company  Designer Company 	Issued by Name: Hamdy Zakaria Sign: <i>Hamdy Zakaria</i> Date: 1-1-2024 Time:	Contractor UIR Reference Received by ER: <i>Michael Saad</i> UIR: <i>P. A. 11</i>	CODE 1 CODE 2 CODE 3
	RECEIVED BY ER: <i>Michael Saad</i> UIR: <i>P. A. 11</i> DATE: 1-1-2024 TIME:		

EXPLANATION OF WORK TO BE INSPECTED			
Item	Element	From ST -0+150 to ST-0+000	Total Paving M3 <i>170 m3</i>
Bench			
Slope			
Side			
Supplier			

• Concrete pouring for slope protection works

Planned inspection Date	Planned inspection Time
-------------------------	-------------------------

INSPECTION DETAILS The following will be ready at the Planned inspection Time

☐ Checklist Attached ☐ Test Results Attached ☐ Calibration Attached ☒ Other as indicated	Drawing Reference ITP Reference NA
--	--

Comments by: (EIRAFID CONSULTANT ENGINEER) <i>... of concrete during pouring ...</i>	Comments by: GENERAL CONSULTANT (SYSTHA) <i>... after ...</i>
---	--

INSPECTION RESULT			
Organisation Name: Hamdy Zakaria Sign: <i>Hamdy Zakaria</i> Date: 1-1-2024	Contractor Engineer Name: Hamdy Zakaria Sign: <i>Hamdy Zakaria</i> Date: 1-1-2024	Contractor QA/QC Name: <i>Enb Amer</i> Sign: <i>Enb Amer</i> Date: 1-1-2024	Employer's Representative Name: <i>Michael Saad</i> Sign: <i>Michael Saad</i> Date: 1-1-2024

Elevation from SL -0+150 to SL 0+000									
St.					Left				
Right									
				-0+150					
				-0+144					
				-0+135					
				-0+126					
				-0+117					
				-0+108					
				-0+099					
				-0+090					
				-0+081					
				-0+072					
				-0+063					
				-0+054					
				-0+045					
				-0+036					
				-0+027					
				-0+018					
				-0+009					
				-0+000					

Material Names	Formula	Total Required	Measurement	Diff (%)	Difference Max %
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ICE	0	0	0.00%	0.00%	%2
SAND	820	820	8.225	0.30%	%2
AGR 1	610	610	6.115	0.25%	%2
AGR 2	500	500	5.037	0.74%	%2
WATER	170	170	1.700	0.00%	%1
SILKA	0	0	0	0.00%	%3
R4PN...	0	0	0.00%	0.00%	%3
R4PN	0	0	0.00%	0.00%	%3
R4PN	5	60	49.66	-0.24%	%3
OPC 1	0	0	0	0.00%	%1
OPC 2	0	0	0	0.00%	%1
CMIII 3	0	0	0	0.00%	%1
OPC 4	300	3000	2.995	-0.17%	%1
TOTALS:	2405.00	24050.00			

Operator: |BRAHİM

Delivered by: *Uşak 3.yıl*

Delivered to:

GB International ReadyMix

01.01.2024 12:09:36

A1007013

Delivery Note

7653

Product No:

Concrete Class: 250-300-150

Quantity: 10.00

Customer

0

Tax Office:

Charlter:

Charlter Address:

Customer Address:

Tax No:

Service:

Transmixer:

8659

Driver Name:

Uap 3you

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0.00	0.00%	%2
SAND	820	8200	8.202	0.02%	%2
AGR 1	610	6100	6.101	0.02%	%2
AGR 2	500	5000	5.001	0.02%	%2
WATER	170	1700	1.700	0.00%	%1
Sika	0	0	0	0.00%	%3
R4PN...	0	0	0	0.00%	%3
R4PN	5	50	50.04	0.08%	%3
OPC 1	0	0	0	0.00%	%1
OPC 2	300	3000	3.000	0.00%	%1
CMIII 3	0	0	0	0.00%	%1
OPC 4	0	0	0	0.00%	%1
TOTALS:					
	2405.00				
		24050.00			

Operator: IBRAHIM

Delivered by: Uap 3you

Delivered to:

GB International ReadyMix

Product No: 7663 Delivery Note A1007019 01.01.2024 14:04:36

Concrete Class: 250-300-ج.ب

Quantity: 9.00

Customer: 0

Tax Office:

Chander:

Chander Address:

Customer Address:
Tax No:
Service:
Transmitter: 1346
Driver Name: 2023

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0.00	0.00%	%2
SAND	820	7380	7.382	0.03%	%2
AGR 1	610	5480	5.481	0.02%	%2
AGR 2	500	4500	4.501	0.02%	%2
WATER	175	1575	1.575	0.00%	%1
Silica	0	0	0	0.00%	%3
RAPN	0	0	0.00	0.00%	%3
RAPN	6	45	45.06	0.13%	%3
OPC 1	0	0	0	0.00%	%1
OPC 2	300	2700	2.701	0.04%	%1
CMIII 3	0	0	0	0.00%	%1
OPC 4	0	0	0	0.00%	%1
TOTALS:	2410.00	21690.00			

Operator: IBRAHIM Delivered by: 2023 Delivered to:

GB International ReadyMix

Product No: 7671
Concrete Class: 250-300-الجرم
Quantity: 10,00
Customer: 0
Tax Office:
Chamber:
Chamber Address:
Driver Name: 8353
Transmitter:
Service:
Tax No:
Customer Address:
Delivery Note A1007026
02.01.2024 08:12:18

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8,202	0,02%	%2
AGR 1	610	6100	6,101	0,02%	%2
AGR 2	500	5000	5,001	0,02%	%2
WATER	175	1750	1,750	0,00%	%1
Silika	0	0	0	0,00%	%3
R4PN	0	0	0,00	0,00%	%3
R4PN	5	50	50,05	0,10%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	300	3000	3,000	0,00%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2410,00	24100,00			

Operator: MAHMOUD
Delivered by: جريد حلي
Delivered to:

Product No: 7682
Concrete Class: 250-300-ك.ك.ك
Quantity: 10.00
Customer: 0
Tax Office:
Charter:
Charter Address:

Delivery Note
A1007033

Customer Address:
Tax No:
Service:
Transmixer: 8659
Driver Name: ك.ك.ك

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0.00	0.00%	%2
SAND	820	8200	8.202	0.02%	%2
AGR 1	610	6100	6.101	0.02%	%2
AGR 2	500	5000	5.001	0.02%	%2
WATER	175	1750	1.750	0.00%	%1
SILKA	0	0	0	0.00%	%3
R4PN	0	0	0.00	0.00%	%3
R4PN	6	60	50.06	0.12%	%3
OPC 1	0	0	0	0.00%	%1
OPC 2	300	3000	3.001	0.03%	%1
CMII 3	0	0	0	0.00%	%1
OPC 4	0	0	0	0.00%	%1
TOTALS:					
	2410.00	24100.00			

Operator: MAHMOUD Delivered by: ك.ك.ك Delivered to:

GB International Ready Mix

02 01 2024 12:08:06

A1007039

Delivery Note

Product No: 7668

Concrete Class: 250-300-الجرى

Quantity: 8.00

Customer

Tax Office:

Chanter:

Chanter Address:

Customer Address:

Tax No:

Service:

Translexer:

4727

Driver Name:

الجليلية ابو

Material Names	Formula	Total Required	Total Measurement	DIF (%)	Difference Max %
ICE	0	0	0.00	0.00%	%2
SAND	820	7380	7.382	0.03%	%2
AGR 1	610	5490	5.491	0.02%	%2
AGR 2	500	4500	4.501	0.02%	%2
WATER	175	1575	1.575	0.00%	%1
SILICA	0	0	0	0.00%	%3
RAPN	0	0	0.00	0.00%	%3
RAPN	5	45	45.05	0.11%	%3
OPC 1	0	0	0	0.00%	%1
OPC 2	300	2700	2.700	0.00%	%1
CMIII 3	0	0	0	0.00%	%1
OPC 4	0	0	0	0.00%	%1
TOTALS:	2410.00	21690.00			

Operator: MAHMOUD

Delivered by: الجليلية ابو

Delivered to:

Electric Express Train Project (EET)



SYSTRA



General Consultant Comments

1. Concrete Pouring Inspection was carried-out, Slump and temp. found acceptable.

2. Compressive strength of concrete cubes taken to comply with project specs.
3. Concrete plant to be approved by general consultant.
4. All concrete tests result to comply with project specs.
5. Concrete curing to be done as per project specs.

6. Control joints inspected and approved by GARB consultant (EL-RAEID).
7. Fiber MAR and MIR to be approved by GARB consultant and submitted to General consultant.

8. There is no typical sec. for drainage pipe.

9. Drainage pipe typical sec. to be approved and submitted.

10. Drainage pipe to be implemented and inspected in new IR.

11. Implementation of drainage pipes are contractor responsibility.

12. Alignment maintenance after slope protections is contractor responsibility.

13. Final approval is subject to submitting final inspection request with code A from GARB consultant.

ENG: Mohamed Saad

IR NO. P-011

UNIVERSAL INSPECTION REQUEST



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company	
Issued by Contractor	Name	Sign	Date	Time	
	Hamdy Zakaria		31-12-2023		
Contractor UIR Reference	(EX-8 A 1.2)			Time	
Received by ER			UIR	C1	C2
				C3	C4
				C5	C6
				C7	C8
CODE-1 S1 to S21 Station Reference	CODE-1 D1 to S3 Depot Reference	CODE-1 Kp XXX For Kilometer point only	CODE-1 Work Activity	CODE-1 Sub Element of Activity	

EXPLANATION OF WORK TO BE INSPECTED

Area	Sement	Item
-0+150 to 0+000	-0+150 to 0+000	S4 + lower feed "L"
Inspection Description:		
Installing the form in the expansion joints for slope protection works		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☐
Drawing Reference	ITP Reference	MS Reference	

Comments by: El-Raed

place expansion is acceptable
work may proceed

Comments by: Systra

Comments attached

INSPECTION RESULT

Organisation	Name	Sign	Designation	Date	Time	Approval Status	Please Tick if Not Attend
Contractor Construction	Hamdy Zakaria			31-12-2023		A	
Contractor QA/QC	Mohammed			31-12		A	
GARB							
Employer Representative	Mohammed			31-12-2023		Awc	

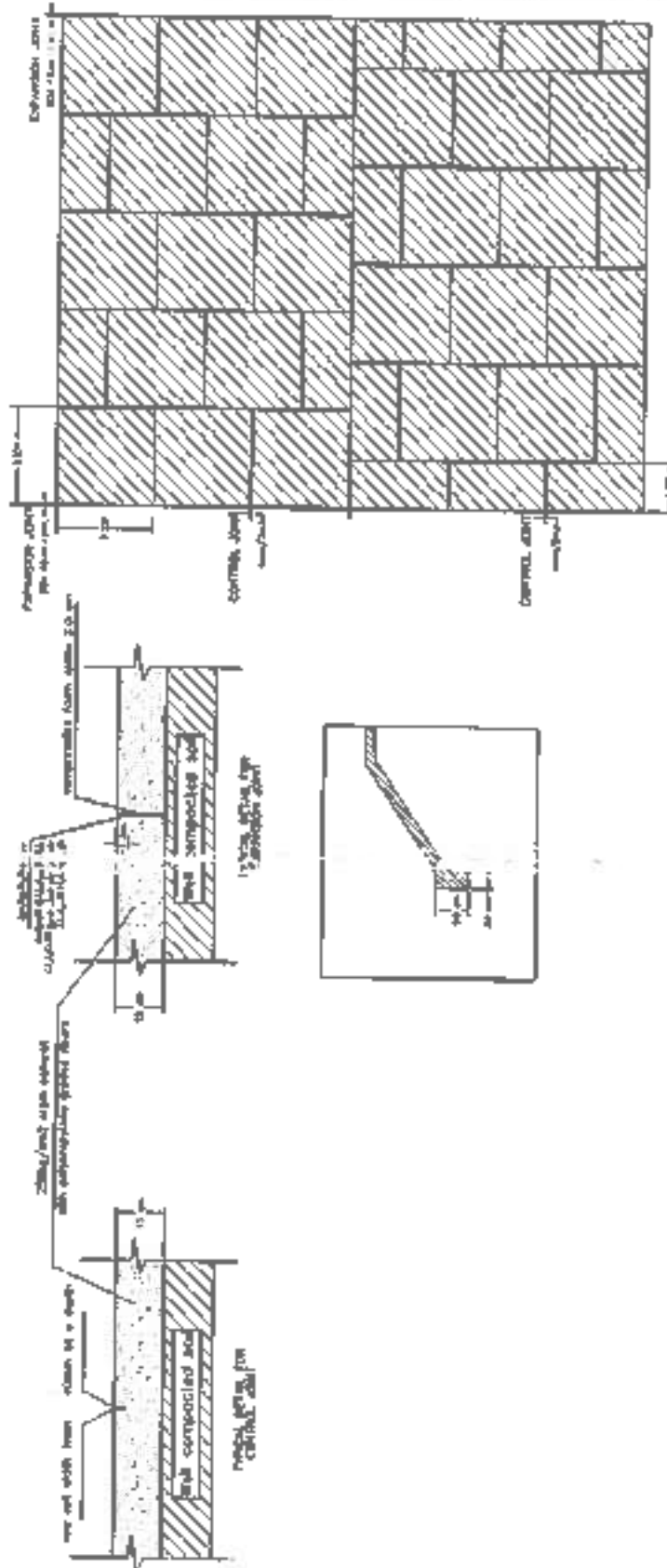
File Name: J

Page 1 of 1



El-Porsan from St. -0+150 to St. 0+000											
Left				St.	Right						
				-0+150							
				-0+144							
				-0+135							
				-0+126							
				-0+117							
				-0+108							
				-0+099							
				-0+090							
				-0+081							
				-0+072							
				-0+063							
				-0+054							
				-0+045							
				-0+036							
				-0+027							
				-0+018							
				-0+009							
				-0+000							

Typical cross section for slope protection



Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. E-5-A11

1. Expansion Joints inspected and approved by GARB consultant.
2. Foam MAR, MIR to be approved by GARB Consultant and submitted to general consultant.
3. Work may proceed as per approved specs & testing frequency.

ENG: Mohamed Saad



UNIVERSAL INSPECTION REQUEST



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company	
Issued by Contractor	Name	Sign	Date	Time	
	Hamdy Zakaria		31.12.2023		
Contractor UIR Reference	F.8 - A 1.1)				Revision
Received by ER		UIR	C1	C2	C3
			DD	MM	YY
			HH	MM	
CODE-1 S1 to S21 Station Reference	CODE-1 D1 to S3 Dept Reference	CODE-1 Kp XXX For Kilometer point only	CODE-2 Work Activity	CODE-3 Sub Elements of Activity	

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
-0+150 To 0+000	-0+150 To 0+000	Sub + low level "L"
<u>Inspection Description :</u> Formworks for slope protection works		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☐
Drawing Reference	ITP Reference	MS Reference	

Comments by: El-Raed

Eng. El-Raed comments completed with answer with notes
- work may proceed

Comments by: Systra

Comment:

INSPECTION RESULT

Organisation	Name	Sign	Designation	Date	Time	Approval Status	Please Tick If Not Attend
Contractor Construction	Hamdy Zakaria			31.12.2023		A	
Contractor QA/QC	Mohammed			31.12.2023		A	
GARB							
Employer Representative				31.12.2023		A	

UNIVERSAL INSPECTION REQUEST



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours
The Work described below will be complete and ready for inspection at planned time shown

Contractor Company			Designer Company*	DR. Hussan Mancy (H.M.C)																				
Issued by Contractor	Name	Sign	Date	Time																				
	Hamdy Zakaria		13/11/2023																					
Contractor UIR Reference	SR/ 3 : A1.1																							
Received by ER		UIR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>C4</td> <td>C5</td> <td>C6</td> <td>C7</td> <td>C8</td> <td>C9</td> <td>C10</td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> </table>		C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	1	2	3	4	5	6	7	8	9	10
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10															
1	2	3	4	5	6	7	8	9	10															
CODE -1	CODE -1	CODE -1	CODE -2	CODE -3																				

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
0+150 to 0+000	-0+150 to 0+000	As-built

Inspection Description:
We request your attendance to inspect those coordinates for slope protection from St. -0+150 to St. 0+000 as attached

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE Must be indicated as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as Indicated ☒
Other attachments	Surveying sheets (Master sheet + Cross sections + Width sheets)		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (GARB SURVEY CONSULTANT (XYZ))
SURVEYING WORKS (LEVELS - COORDINATES - WIDTH) ARE INSPECTED AND FOUND :

Comments by: GENERAL CONSULTANT (SYSTRA)

WORKS MAY :

NAME:

INSPECTION RESULT					Approval Status	Plan/Time
Organisation	Name	Sign	Date	Time	A-AWC/R	Plan/Time
Contractor Engineer	Hamdy Zakaria		13/11/2023			
Contractor QA/QC*	XYZ		14/11/2023		Amc	
	H.M.C		14/11/2023		A.c	
GARB**						
Employers Representative			14-11-2023		Akc	

* Designer

File Name: COVER



إرشاد الطريق و الملاحة
الخبر صباي



S.P.: -0+140.00	
S.P	
Volume	118.94 m3
Cum Vol	118.94 m3

FT: -0+140.00	
F.3	
Volume	3.00 m3
Cum. Vol.	3.00 m3

[illegible]

for Dec

[illegible]

1. Problem

ردیف	نام و نام خانوادگی	محل خدمت	تاریخ
۱	دکتر سید علی حسینی	معاونت فرهنگی و اجتماعی	۱۳۹۸/۰۵/۰۱
۲	دکتر سید محمد حسینی	معاونت فرهنگی و اجتماعی	۱۳۹۸/۰۵/۰۱
۳	دکتر سید علی حسینی	معاونت فرهنگی و اجتماعی	۱۳۹۸/۰۵/۰۱
۴	دکتر سید محمد حسینی	معاونت فرهنگی و اجتماعی	۱۳۹۸/۰۵/۰۱
۵	دکتر سید علی حسینی	معاونت فرهنگی و اجتماعی	۱۳۹۸/۰۵/۰۱
۶	دکتر سید محمد حسینی	معاونت فرهنگی و اجتماعی	۱۳۹۸/۰۵/۰۱
۷	دکتر سید علی حسینی	معاونت فرهنگی و اجتماعی	۱۳۹۸/۰۵/۰۱
۸	دکتر سید محمد حسینی	معاونت فرهنگی و اجتماعی	۱۳۹۸/۰۵/۰۱
۹	دکتر سید علی حسینی	معاونت فرهنگی و اجتماعی	۱۳۹۸/۰۵/۰۱
۱۰	دکتر سید محمد حسینی	معاونت فرهنگی و اجتماعی	۱۳۹۸/۰۵/۰۱

日期	星期	姓名	性别	年龄	职业	住址	电话	备注
1980.10.10	星期日	王德胜	男	45	工人	本市和平路123号	1234567	参加
1980.10.11	星期一	李小红	女	32	教师	本市文化路45号	2345678	参加
1980.10.12	星期二	张小明	男	28	学生	本市青年路78号	3456789	参加
1980.10.13	星期三	刘小华	女	25	护士	本市健康路90号	4567890	参加
1980.10.14	星期四	陈大伟	男	50	干部	本市建设路101号	5678901	参加
1980.10.15	星期五	赵小芳	女	38	医生	本市光明路112号	6789012	参加
1980.10.16	星期六	孙大刚	男	42	工人	本市幸福路123号	7890123	参加
1980.10.17	星期日	周小丽	女	30	教师	本市希望路134号	8901234	参加
1980.10.18	星期一	吴大明	男	48	干部	本市未来路145号	9012345	参加
1980.10.19	星期二	郑小娟	女	27	学生	本市前进路156号	0123456	参加
1980.10.20	星期三	冯小刚	男	35	工人	本市发展路167号	1234567	参加
1980.10.21	星期四	马小梅	女	33	教师	本市繁荣路178号	2345678	参加
1980.10.22	星期五	徐大强	男	40	干部	本市昌盛路189号	3456789	参加
1980.10.23	星期六	黄小华	女	29	护士	本市富强路190号	4567890	参加
1980.10.24	星期日	宋大伟	男	47	工人	本市康乐路201号	5678901	参加
1980.10.25	星期一	林小芳	女	31	教师	本市文明路212号	6789012	参加
1980.10.26	星期二	罗大明	男	49	干部	本市和谐路223号	7890123	参加
1980.10.27	星期三	周小娟	女	26	学生	本市友爱路234号	8901234	参加
1980.10.28	星期四	吴大刚	男	46	工人	本市互助路245号	9012345	参加
1980.10.29	星期五	郑小梅	女	34	教师	本市团结路256号	0123456	参加
1980.10.30	星期六	徐大强	男	41	干部	本市平等路267号	1234567	参加
1980.10.31	星期日	黄小华	女	30	护士	本市自由路278号	2345678	参加

Country	Year	Value
China	2000	1.00
China	2001	1.00
China	2002	1.00
China	2003	1.00
China	2004	1.00
China	2005	1.00
China	2006	1.00
China	2007	1.00
China	2008	1.00
China	2009	1.00
China	2010	1.00
China	2011	1.00
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China	2105	1.00
China	2106	1.00
China	2107	1.00
China	2108	1.00
China	2109	1.00
China	2110	1.00
China	2111	1.00
China	2112	1.00
China	2113	1.00
China	2114	1.00
China	2115	1.00
China	2116	1.00
China	2117	1.00
China	2118	1.00
China		

[illegible][illegible]

Journal of Interpersonal Violence 26(10)

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100

1998



Year	Number of cases
1990	10
1991	15
1992	20
1993	25
1994	30
1995	35
1996	40
1997	45
1998	50
1999	55
2000	60
2001	65
2002	70
2003	75
2004	80
2005	85
2006	90
2007	95
2008	100
2009	105
2010	110
2011	115
2012	120
2013	125
2014	130
2015	135
2016	140
2017	145
2018	150
2019	155
2020	160
2021	165
2022	170
2023	175
2024	180
2025	185
2026	190
2027	195
2028	200
2029	205
2030	210
2031	215
2032	220
2033	225
2034	230
2035	235
2036	240
2037	245
2038	250
2039	255
2040	260
2041	265
2042	270
2043	275
2044	280
2045	285
2046	290
2047	295
2048	300
2049	305
2050	310
2051	315
2052	320
2053	325
2054	330
2055	335
2056	340
2057	345
2058	350
2059	355
2060	360
2061	365
2062	370
2063	375
2064	380
2065	385
2066	390
2067	395
2068	400
2069	405
2070	410
2071	415
2072	420
2073	425
2074	430
2075	435
2076	440
2077	445
2078	450
2079	455
2080	460
2081	465
2082	470
2083	475
2084	480
2085	485
2086	490
2087	495
2088	500
2089	505
2090	510
2091	515
2092	520
2093	525
2094	530
2095	535
2096	540
2097	545
2098	550
2099	555
2100	560

1. The first step is to identify the problem. In this case, the problem is that the system is not working properly.

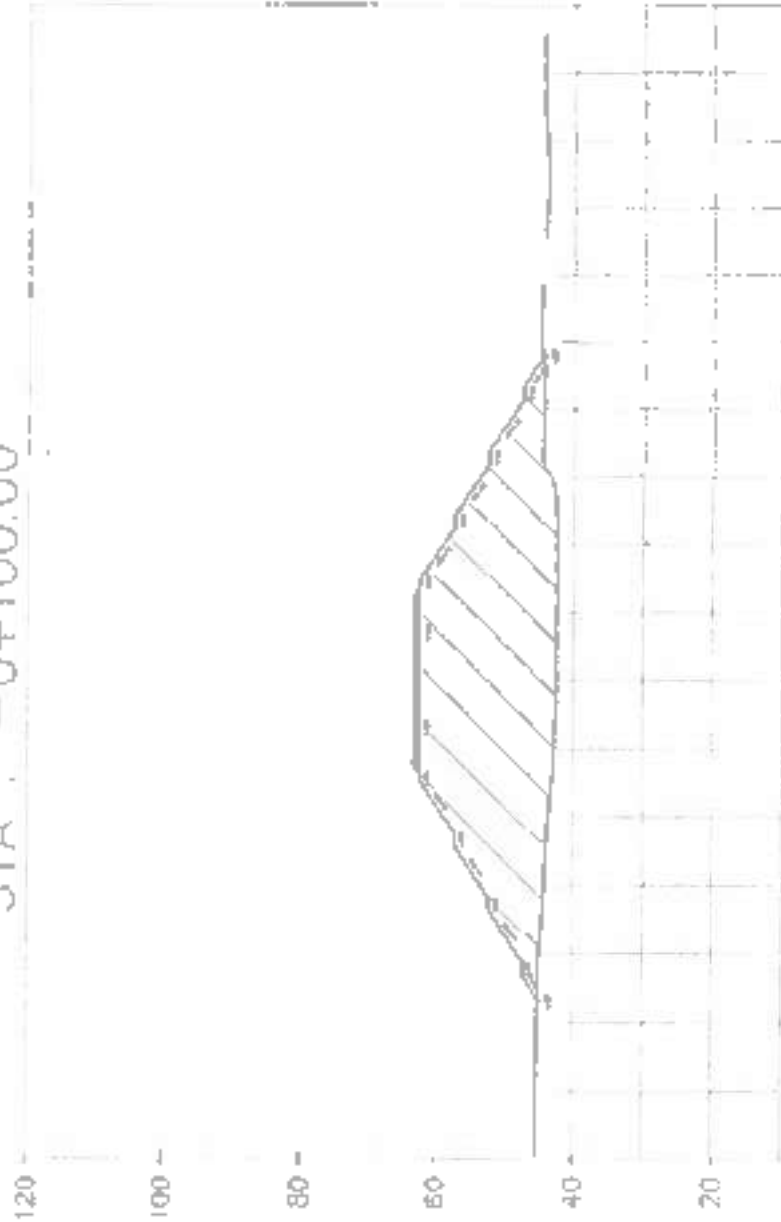
Source: Production

Year	1990	2000	2010
Population (millions)	1.2	1.5	1.8
GDP (billions of dollars)	0.5	1.2	2.5
Life expectancy (years)	55	65	75

US	The Self	On Clinical Trials
1994-95		Page 9

[illegible]

STA : -0+100.00



Offset	0	10	20	30	40	50	60	70	80	90	100	110	120
Dist	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00
Chord Length	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00
Elevation	45.25	45.25	45.25	45.25	45.25	45.25	45.25	45.25	45.25	45.25	45.25	45.25	45.25



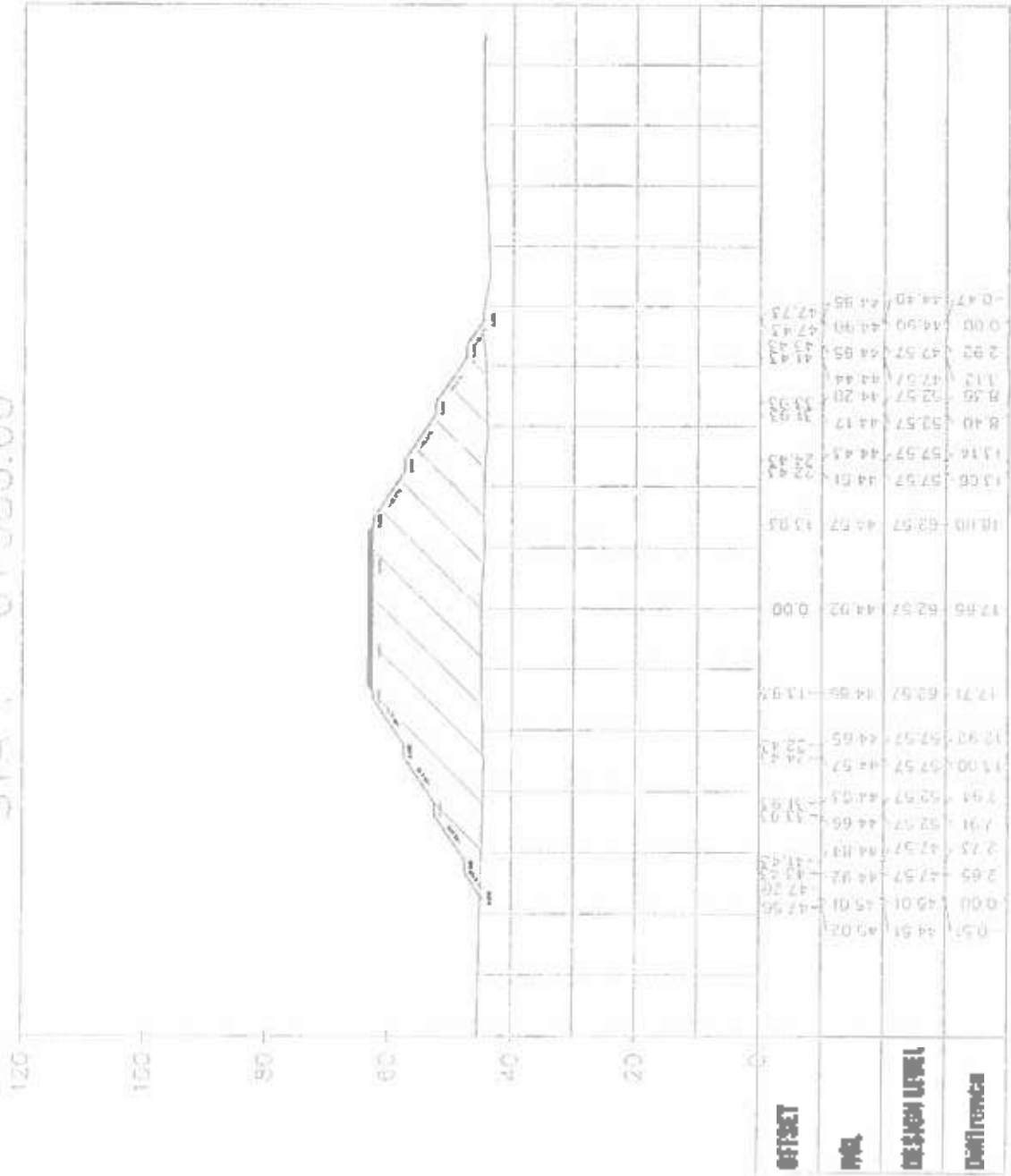
S.P. : -0+100.00	
S.P	
Volume	231.95 m3
Cum Vol	586.05 m3

F.T : -0+100.00	
F.T	
Volume	6.00 m3
Cum Vol	15.00 m3

ملحق رقم ١
ملحق رقم ٢
ملحق رقم ٣
ملحق رقم ٤
ملحق رقم ٥
ملحق رقم ٦
ملحق رقم ٧
ملحق رقم ٨
ملحق رقم ٩
ملحق رقم ١٠
ملحق رقم ١١
ملحق رقم ١٢
ملحق رقم ١٣
ملحق رقم ١٤
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ملحق رقم ١٦
ملحق رقم ١٧
ملحق رقم ١٨
ملحق رقم ١٩
ملحق رقم ٢٠

ملحق رقم ٢١
ملحق رقم ٢٢
ملحق رقم ٢٣
ملحق رقم ٢٤
ملحق رقم ٢٥
ملحق رقم ٢٦
ملحق رقم ٢٧
ملحق رقم ٢٨
ملحق رقم ٢٩
ملحق رقم ٣٠

STA : -0+080.00



Station	Left	Right
0+00	0.00	0.00
0+10	0.00	0.00
0+20	0.00	0.00
0+30	0.00	0.00
0+40	0.00	0.00
0+50	0.00	0.00
0+60	0.00	0.00
0+70	0.00	0.00
0+80	0.00	0.00
0+90	0.00	0.00
0+100	0.00	0.00

S.P. : -0+080.00	
S.P.	
Volume	230.51 m3
Cum Vol	818.56 m3

FT : -0+080.00	
F.T	
Volume	6.00 m3
Cum. Vol	21.00 m3



Sheet

Logo of the Ministry of Transport and Public Works, Kingdom of Saudi Arabia.

Logo of the General Authority of Roads and Bridges.

Logo of the General Authority of Urban Planning and Building.

Logo of the General Authority of Water and Sewerage.

Logo of the General Authority of Ports and Shipping.

Logo of the General Authority of Airports.

Logo of the General Authority of Railways.

Logo of the General Authority of Maritime Transport.

Logo of the General Authority of Road Transport.

Logo of the General Authority of Public Transport.

Logo of the General Authority of Road Safety.

Logo of the General Authority of Road Maintenance.

Logo of the General Authority of Road Construction.

Logo of the General Authority of Road Rehabilitation.

Logo of the General Authority of Road Improvement.

Logo of the General Authority of Road Expansion.

Logo of the General Authority of Road Widening.

Logo of the General Authority of Road Resurfacing.

Logo of the General Authority of Road Drainage.

Logo of the General Authority of Road Lighting.

Logo of the General Authority of Road Signage.

Logo of the General Authority of Road Marking.

Logo of the General Authority of Road Safety Equipment.

Logo of the General Authority of Road Safety Training.

Logo of the General Authority of Road Safety Research.

Logo of the General Authority of Road Safety Development.

Logo of the General Authority of Road Safety Promotion.

Logo of the General Authority of Road Safety Education.

Logo of the General Authority of Road Safety Awareness.

Logo of the General Authority of Road Safety Culture.

Logo of the General Authority of Road Safety Behavior.

Logo of the General Authority of Road Safety Attitude.

Logo of the General Authority of Road Safety Knowledge.

Logo of the General Authority of Road Safety Skills.

Logo of the General Authority of Road Safety Competence.

Logo of the General Authority of Road Safety Performance.

Logo of the General Authority of Road Safety Results.

Logo of the General Authority of Road Safety Impact.

Logo of the General Authority of Road Safety Contribution.

Logo of the General Authority of Road Safety Legacy.

Logo of the General Authority of Road Safety Future.

Logo of the General Authority of Road Safety Vision.

Logo of the General Authority of Road Safety Mission.

Logo of the General Authority of Road Safety Values.

Logo of the General Authority of Road Safety Principles.

Logo of the General Authority of Road Safety Standards.

Logo of the General Authority of Road Safety Best Practices.

Logo of the General Authority of Road Safety Innovation.

Logo of the General Authority of Road Safety Leadership.

Logo of the General Authority of Road Safety Excellence.

Logo of the General Authority of Road Safety Quality.

Logo of the General Authority of Road Safety Efficiency.

Logo of the General Authority of Road Safety Effectiveness.

Logo of the General Authority of Road Safety Reliability.

Logo of the General Authority of Road Safety Accountability.

Logo of the General Authority of Road Safety Transparency.

Logo of the General Authority of Road Safety Integrity.

Logo of the General Authority of Road Safety Honesty.

Logo of the General Authority of Road Safety Fairness.

Logo of the General Authority of Road Safety Justice.

Logo of the General Authority of Road Safety Equity.

Logo of the General Authority of Road Safety Inclusion.

Logo of the General Authority of Road Safety Diversity.

Logo of the General Authority of Road Safety Respect.

Logo of the General Authority of Road Safety Responsibility.

Logo of the General Authority of Road Safety Commitment.

Logo of the General Authority of Road Safety Dedication.

Logo of the General Authority of Road Safety Passion.

Logo of the General Authority of Road Safety Enthusiasm.

Logo of the General Authority of Road Safety Energy.

Logo of the General Authority of Road Safety Motivation.

Logo of the General Authority of Road Safety Inspiration.

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Logo of the General Authority of Road Safety Enthusiasm.

Logo of the General Authority of Road Safety Energy.

Logo of the General Authority of Road Safety Motivation.

Logo of the General Authority of Road Safety Inspiration.

Logo of the General Authority of Road Safety Creativity.

Project Name: Road Construction Project

Project Location: Riyadh, Saudi Arabia

Project Start Date: 17 OCT 2011

Project End Date: 17 OCT 2011

Project Manager: [Name]

Project Engineer: [Name]

Project Designer: [Name]

Project Checker: [Name]

Project Approver: [Name]

Project Status: [Status]

Project Version: [Version]

Project File Name: [File Name]

Project File Path: [File Path]

Project File Size: [File Size]

Project File Type: [File Type]

Project File Extension: [File Extension]

Project File Creation Date: [File Creation Date]

Project File Modification Date: [File Modification Date]

Project File Access Date: [File Access Date]

Project File Permissions: [File Permissions]

Project File Owner: [File Owner]

Project File Group: [File Group]

Project File System: [File System]

Project File Format: [File Format]

Project File Encoding: [File Encoding]

Project File Content: [File Content]

Project File Metadata: [File Metadata]

Project File Properties: [File Properties]

Project File Information: [File Information]

Project File Details: [File Details]

Project File Description: [File Description]

Project File Summary: [File Summary]

Project File Notes: [File Notes]

Project File Comments: [File Comments]

Project File History: [File History]

Project File Log: [File Log]

Project File Audit: [File Audit]

Project File Security: [File Security]

Project File Privacy: [File Privacy]

Project File Compliance: [File Compliance]

Project File Standards: [File Standards]

Project File Guidelines: [File Guidelines]

Project File Policies: [File Policies]

Project File Procedures: [File Procedures]

Project File Processes: [File Processes]

Project File Systems: [File Systems]

Project File Tools: [File Tools]

Project File Software: [File Software]

Project File Hardware: [File Hardware]

Project File Network: [File Network]

Project File Database: [File Database]

Project File Application: [File Application]

Project File Service: [File Service]

Project File Interface: [File Interface]

Project File User: [File User]

Project File Role: [File Role]

Project File Permission: [File Permission]

Project File Access: [File Access]

Project File Control: [File Control]

Project File Management: [File Management]

Project File Operation: [File Operation]

Project File Maintenance: [File Maintenance]

Project File Support: [File Support]

Project File Training: [File Training]

Project File Development: [File Development]

Project File Testing: [File Testing]

Project File Deployment: [File Deployment]

Project File Monitoring: [File Monitoring]

Project File Evaluation: [File Evaluation]

Project File Review: [File Review]

Project File Feedback: [File Feedback]

Project File Improvement: [File Improvement]

Project File Innovation: [File Innovation]

Project File Leadership: [File Leadership]

Project File Excellence: [File Excellence]

Project File Quality: [File Quality]

Project File Efficiency: [File Efficiency]

Project File Effectiveness: [File Effectiveness]

Project File Reliability: [File Reliability]

Project File Accountability: [File Accountability]

Project File Transparency: [File Transparency]

Project File Integrity: [File Integrity]

Project File Honesty: [File Honesty]

Project File Fairness: [File Fairness]

Project File Justice: [File Justice]

Project File Equity: [File Equity]

Project File Inclusion: [File Inclusion]

Project File Diversity: [File Diversity]

Project File Respect: [File Respect]

Project File Responsibility: [File Responsibility]

Project File Commitment: [File Commitment]

Project File Dedication: [File Dedication]

Project File Passion: [File Passion]

Project File Enthusiasm: [File Enthusiasm]

Project File Energy: [File Energy]

Project File Motivation: [File Motivation]

Project File Inspiration: [File Inspiration]

Project File Creativity: [File Creativity]

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0.00	44.01	44.01	46.27
3.06	47.64	44.55	47.93
3.04	47.04	44.57	47.45
7.30	52.04	44.71	47.94
7.80	52.04	44.81	47.93
12.70	57.04	44.91	47.43
13.74	57.04	44.47	47.43
17.81	62.04	44.80	47.93
47.93	62.61	44.68	0.00
47.90	62.61	44.71	13.93
13.04	57.61	44.57	33.43
13.09	57.61	44.52	33.43
8.20	52.61	44.40	31.93
7.60	52.61	45.01	35.93
3.28	52.61	44.35	
3.30	47.64	44.31	43.43
0.00	44.25	44.25	48.47
-1.49	43.75	44.24	48.77

S.P.: -0+040.00	
S.P	
Volume	236.76 m3
Cum Vol	1,288.92 m3

F.T. : -0+040.00	
F.T	
Volume	6.00 m3
Cum. Vol.	33.00 m3

مكتبة الرياض
12 OCT 1973
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اسم الطالب	رقم الجلوس	الدرجة
محمد بن عبد الله	11111111	80
أحمد بن محمد	22222222	75
فاطمة بنت أحمد	33333333	85
عبد الرحمن بن علي	44444444	70
سليمان بن عبد الرحمن	55555555	78
مريم بنت محمد	66666666	82
عبد الله بن عبد الله	77777777	73
خالد بن خالد	88888888	76
نور بنت عبد الرحمن	99999999	81
عبد الحميد بن محمد	10101010	74

$$L_{\text{eff}} = L \left(1 - \frac{1}{2} \frac{v_{\text{ph}}}{v_{\text{gr}}} \right)$$

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Volume	6.00 m3
Cum. Vol.	45.00 m3

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[illegible]

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO F.8.A.1

1. Surveying works (Levels, coordinates & NO. of berms) are inspected and approved by GARB consultant. (IR copy is attached)
2. Formworks were approved by GARB consultant (EL-RAEID), all comments to be implemented.
3. Work may proceed.

ENG: Mohamed Saad



SUBMISSION of TEST RESULTS



Location Name		Contractor Company		Designer Company	
Issued by Contractor	Name	Sign	Date	Time	
	Hamdy Zakaria	Naeef SA	3.1.2024		
Contractor Reference	[T.7 A1.1]			Revision	
Received by ER	Mohamed Saeed	SMA	C1	C2	C3
			DD	MM	YY

NB: Package 1 Only (Package 2 via Aconex)

THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW

Description of Test Materials				
Location of Test				
-0+150 To 0+000 S ₃ L				
Item	Specification	Test Requirement	Test Result Attachment	Remarks
1	187.5 kg/cm ²	7 days		
2	250 kg/cm ²	28 days		
3				
4				
5				

Comments by:	Comments by:
- Acceptable results for the compressive strength. 	attached result & accepted

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Hamdy Zakaria	Naeef SA	3.1.2024	A
Designer	Mostafa shams		3-1-2024	A
GARB *				
Employers Representative	Mohamed Saeed		3-1-2024	A

* Alignment / Bridges: Culvert Only

A= Approval; AWC= Approved with Comments; R= Reject

ARDAMAN Split

**MATERIALS AND CONSTRUCTION TESTING
S.A.E**

1 ABD EL-KHAY AHMED St., MOHAMED ELSEEN - GIZA

Tel : 3448413 - Fax : 3021719

Project: *Electric Express Train*

File No: 4800/S

Client: شركة القرمستان

Date: 03/01/2024

**COMPRESSIVE STRENGTH OF
TEST CUBE OF CONCRETE SPECIMEN
ACCORDING TO BS 1881-116: 1983**

Location: St.-01150 To 01060 - Slope Protection - Left side

Concrete Class: C 25

Cast by: GB

Type of Curing: By the Client

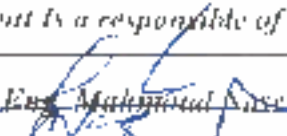
Date of Casting: 26/12/2023

Dimension: 15*15*15 cm

Cube Iden. No.	Unit Weight (gm/cm ³)	Date of Testing	Age of Cubes (days)	Area Loaded (cm ²)	Crushing Load (kg)	Compressive Strength (kg/cm ²)
1	2.397	03/01/2024	8	225	47226	210
2	2.388	03/01/2024	8	225	52632	234
3	2.338	03/01/2024	8	225	43656	194
Average						213

Notes:

- Location of the concrete casting was identified and given by client.
- Ardaman - Split company is not responsible for cubes casted or cured by client
- The Client is a responsible of The Above Data

Prepared by: Eng.  Mohamed Nassef

Reviewed by: Eng. Osama Moftah

Company: **شركة**
 Project: **High Speed Railway Project Al-Ain Al-Sakina**
 Batch Plant: **C.B**
 Concrete Class: **C 250-300 OPC with Fiber**
 Date: **900 gm / 1 m³**
 Report No.: **23-Jan-2024**
0

Compressive Strength results of cubes 15*15*15 cm concrete specimens according to BS 1881-116:1983

Casting Date	Testing Date	Age (Day)	Set ID	Cube No	Mass (gm)	Density (kg/cm³)	Load (kN)	Strength (kg/cm²)	Average Strength (kg/cm²)	Remarks
26-Dec-2023	23-Jan-2024	28	0	1	8157	2.42	691.0	313.0	313.5	Satisfactory
				2	8141	2.41	688.0	311.7		
				3	8087	2.40	697.0	315.7		

Structural Elements: **Slope Protection from ST -1 +1.50 to ST 0+000 (Left side)**

Note: **Curing and crushing of concrete cubes were carried out in concrete batch plant.**

Lab Engineer: **AS**

Received:

3rd Floor, B3 Afield Street
 Zaidieh, Beirut
 Tel: +961 27367241 - 27367003



شركة استشارات الهندسة والبناء والمختبر
 3 طابق - شارع أيفيل
 زيدية - بيروت
 هاتف: +961 27367241 - 27367003
 www.ceb-geo.com

5

High Speed Railway Project (Al-Ayn Al-Sakhina C.B

C 250-300 OPG
with fiber

900 gm / 1 m³
24-Jan-2024
D

Compressive Strength results of cubes 10*10*10 cm concrete specimens according to BS 1061-112:1983

Casting Date	Testing Date	Age (Days)	Set ID	Cube No.	Mass (g/m³)	Density (kg/cm³)	Load (kN)	Strength (kg/cm²)	Average Strength (kg/cm²)	Remarks
27-Dec-2023	24-Jan-2024	28	D	1	8151	2.42	702.0	318.0	316.2	Satisfactory
				2	8135	2.41	693.0	313.0		
				3	8124	2.41	699.0	316.6		

Slope Projection from \$T = 1 + 150\$ to \$T = 0 + 000\$ (Left side)

Curing and crushing of concrete cubes were carried out in concrete batch plant.

Recently

A. K. Satchell Ltd. Addit. 20 Green
Zinnick, 9 3010.
Tel. 88 Box: 27307241 - 2730, 3043



* شقي زمانيه ولا فاضل
 * تونز ما لك - اكا هورج
 * ريضون - فاكي
 * WU 34.47E-0231M-0111M



شركة جي بي الدولية
للحوسبة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

Test Standard ECP 203-2007 (7-9) & BS 1881 - Part 116:1983

CLIENT :	الموسى	SAMPLED BY :	شركة جي بي
PROJECT :	القنطرة السبع و الجديدة	Concrete Class/Type :	250-304 OPC
CONSULTANT :		STRUCTURE ELEMENT :	سور
DATE OF CASTING :	27-12-2023	SPECIFIED STRENGTH :	250 kg/cm ²
POURED QUANTITY :	m ³	NO. OF SAMPLES MADE :	3
TARGET SLUMP :	170+/-20 mm	REF NO. :	1.2.3

Results:

Specimen Reference	1	2	3			
Date of Test	2024-01-03					
Age of Test (Days)	7	7	7			
Moist. Condition at Testing	M-CST	Q-HS	A-CIN2			
Shape Of Specimen	Cube	Cube	Cube			
Average Dimension (mm)	150	150	150			
Weight (g)	8030	8401	8140			
Density (Tun/m ³)	2.379	2.371	2.425			
Failure Load (kN)	505	535	514			
Comp. Strength	229	242	213			
Average 3 Days		 شركة جي بي الدولية للحوسبة الجاهزة إدارة الجودة				
Average 7 Days K.G	285					
Average 28 Days K.G						

Remarks: 

Note: c. Specified Loading Rate Range = 1.0kN/s to 3.0 kN/s or 0.8kN/s

Lab Technician	Engineer	J.V	QC Engineer
			Mahmoud Ahmed

REQUEST to POUR CONCRETE



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company			Designer Company																					
Issued by Contractor	Name Hamdy Zakaria	Sign <i>Nabif</i>	Date 26.12.2023	Time																				
Contractor UIR Reference	A1.1)																							
Received by ER	<i>Mohamed Saad</i>	UIR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>C4</td> <td>C5</td> <td>C6</td> <td>C7</td> <td>C8</td> <td>C9</td> <td>C10</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		C1	C2	C3	C4	C5	C6	C7	C8	C9	C10										
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10															
CODE -1	CODE -1	CODE -1	CODE -2	CODE -3																				

AREA	EXPLANATION OF WORK TO BE INSPECTED		Item
-0+150 To 0+000	From ST -0+150 to ST-0+000		Bench
	Total Pouring M3		Slope
	240 m3		Side
Inspection Description: • Concrete pouring for slope protection works			Supplier

INSPECTION DETAILS The following will be ready at the Planned Inspection Time	
Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate			
Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
(Reports)			
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (ELRAEID CONSULTANT ENGINEER)	Comments by: GENERAL CONSULTANT (SYSTRA)
<i>...spraying water before pouring - curing concrete after pouring</i>	<i>Comments attached</i>
NAME:-	

INSPECTION RESULT					Approval Status	Please Tick if Not Attend
Organisation	Name	Sign	Date	Time	A-WC-B	
Contractor Engineer	Hamdy Zakaria	<i>Nabif</i>	26.12.2023			
Contractor QA/QC*					A	
Contractor Consultant	<i>Chab Amr</i>	<i>AF</i>	26/12/2023			
GARB**						
Employers Representative	<i>Mohamed Saad</i>	<i>AF</i>	26-12-2023		AAC	

El-Forsan from St. -0+150 to St. 0+000									
Left				St.	Right				
				-0+150					
				-0+144					
				-0+135					
				-0+126					
				-0+117					
				-0+108					
				-0+099					
				-0+090					
				-0+081					
				-0+072					
				-0+063					
				-0+054					
				-0+045					
				-0+036					
				-0+027					
				-0+018					
				-0+009					
				-0+000					

GB International ReadyMix

Product No: 7591

Delivery Note

A1006955

26.12.2023 11:07:41

Concrete Class: 250-300-الفرنسان

Quantity: 10,00

Customer 0

Tax Office:

Chantier:

Chantier Address:

Customer Address:

Tax No:

Service:

Transmixer: 8659

Driver Name: مصدود جمال

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8.272	0,88%	%2
AGR 1	610	6100	6.103	0,05%	%2
AGR 2	500	5000	4.983	-0,34%	%2
WATER	180	1800	1.800	0,00%	%1
SHKs	0	0	0	0,00%	%3
R4PN....	0	0	0,00	0,00%	%3
R4PN	5	50	49,94	-0,12%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	300	3000	2.999	-0,03%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	24150,00			

Operator: IBRAHIM

Delivered by: مصدود جمال

Delivered to:

GB International ReadyMix

Product No: 7596

Delivery Note

A1006059

26.12.2023 12:18:34

Concrete Class: 250-300-الفرسان

Quantity: 10,00

Customer 0

Tax Office:

Chantier:

Chantier Address:

Customer Address:

Tax No:

Service:

Transmiser: 8659

Driver Name: محمود جمال

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8 202	0,02%	%2
AGR 1	810	8100	8 101	0,02%	%2
AGR 2	500	5000	5 001	0,02%	%2
WATER	180	1800	1 800	0,00%	%1
SiKa	0	0	0	0,00%	%3
R4PN....	0	0	0,00	0,00%	%3
R4PN	5	50	50,05	0,10%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	300	3000	3 000	0,00%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	24150,00			

Operator: IBRAHIM

Delivered by: محمود جمال

Delivered to:

GB International ReadyMix

Product No: 7597

Delivery Note

A1006961

26.12.2023 14:16:34

Concrete Class: 250-300-الفرسان

Quantity: 10,00

Customer 0

Tax Office:

Chantier:

Chantier Address:

Customer Address:

Tax No:

Service:

Transmiser: 8353

Driver Name: شريف حلمي

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8.202	0,02%	%2
AGR 1	610	6100	6.101	0,02%	%2
AGR 2	500	5000	5.001	0,02%	%2
WATER	180	1800	1.800	0,00%	%1
SiKa	0	0	0	0,00%	%3
R4PN....	0	0	0,00	0,00%	%3
R4PN	5	50	50,05	0,10%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	300	3000	3.000	0,00%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	24150,00			

Operator: IBRAHIM

Delivered by: شريف حلمي

Delivered to:

GB International ReadyMix

Product No: 7599
Concrete Class: 250-300-قنسان
Quantity: 9,00
Customer: 0
Tax Office:
Chantier:
Chantier Address:

Delivery Note: A1006963 26.12.2023 14:38:54
Customer Address:
Tax No:
Service:
Transmitter: 1349
Driver Name: محمد احمد

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	7380	7,414	0,46%	%2
AGR 1	610	5480	5,497	0,13%	%2
AGR 2	500	4500	4,487	-0,29%	%2
WATER	180	1620	1,620	0,00%	%1
SlKa	0	0	0	0,00%	%3
R4PN.....	0	0	0,00	0,00%	%3
R4PN	5	45	44,91	-0,20%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	300	2700	2,700	0,00%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	21735,00			

Operator: IBRAHIM

Delivered by: محمد احمد

Delivered to:

GB International ReadyMix

Product No: 7603

Delivery Note

A1006967

27.12.2023 08:49:57

Concrete Class: 250-300-الفرسان

Quantity: 9,00

Customer 0

Tax Office:

Chantier:

Chantier Address:

Customer Address:

Tax No:

Service:

Transmiser: 1346

Driver Name: محمد احمد

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	7380	7.377	-0,04%	%2
AGR 1	610	5490	5.483	-0,13%	%2
AGR 2	500	4500	4.494	-0,13%	%2
WATER	175	1575	1.575	0,00%	%1
Sika	0	0	0	0,00%	%3
R4PN...	0	0	0,00	0,00%	%3
R4PN	5	45	44,85	-0,33%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	0	0	0	0,00%	%1
CMII 3	0	0	0	0,00%	%1
OPC 4	300	2700	2.668	-1,18%	%1
TOTALS:	2410,00	21690,00			

Operator: IBRAHIM

Delivered by: محمد احمد

Delivered to:

GB International ReadyMix

Product No: 7616
 Concrete Class: 250-300-فانسان
 Quantity: 10,00
 Customer: 0
 Tax Office:
 Chantier:
 Chantier Address:

Delivery Note: A1005980 27.12.2023 12:04:57
 Customer Address:
 Tax No:
 Service:
 Transmiser: 1353
 Driver Name: شريف حلمي

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%1
SAND	820	8200	8.162	-0,46%	%1
AGR 1	610	6100	6.097	-0,05%	%2
AGR 2	500	5000	4.990	-0,20%	%2
WATER	175	1750	1.750	0,00%	%1
Sika	0	0	0	0,00%	%3
R4PN...	0	0	0,00	0,00%	%3
R4PN	5	50	49,94	-0,12%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	0	0	0	0,00%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	300	3000	2.998	-0,07%	%1
TOTALS:	2410,00	24100,00			

Operator: IBRAHIM

Delivered by: شريف حلمي

Delivered to:

GB International ReadyMix

Product No: 7620 Delivery Note: A1006983 27.12.2023 13:58:06
 Concrete Class: 250-300-الرمال
 Quantity: 9,00 Customer Address:
 Customer: 0 Tax No:
 Tax Office: Service:
 Chanler: Transmixer: 4727
 Chanler Address: Driver Name: سيد عبدالمجيد

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	7380	7,387	0,09%	%2
AGR 1	610	5490	5,483	-0,13%	%2
AGR 2	500	4500	4,733	5,18%	%2
WATER	175	1575	1,575	0,00%	%1
Sika	0	0	0	0,00%	%3
R4PN....	0	0	0,00	0,00%	%3
R4PN	5	45	45,03	0,07%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	0	0	0	0,00%	%1
CMII 3	0	0	0	0,00%	%1
OPC 4	300	2700	2,896	-0,18%	%1
TOTALS:	2410,00	21880,00			

Operator: IBRAHIM

Delivered by: سيد عبدالمجيد

Delivered to:

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. P2-A11

1. Concrete Pouring Inspection was carried-out, Slump and temp. found acceptable.
2. Compressive strength of concrete cubes taken to comply with project specs.
3. Concrete plant to be approved by general consultant.
4. All concrete tests result to comply with project specs.
5. Concrete curing to be done as per project specs.
6. Control joints inspected and approved by GARB consultant (EL-RAEID).
7. Fiber MAR and MIR to be approved by GARB consultant and submitted to General consultant.
8. There is no typical sec. for drainage pipe.
9. Drainage pipe typical sec. to be approved and submitted.
10. Drainage pipe to be implemented and inspected in new IR.
11. Implementation of drainage pipes are contractor responsibility.
12. Alignment maintenance after slope protections is contractor responsibility.
13. Final approval is subject to submitting final inspection request with code A from GARB consultant.

ENG: Mohamed Saad

UNIVERSAL INSPECTION REQUEST



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company																	
Issued by Contractor	Name Hamdy Zakaria	Sign 	Date 25.12.2023	Time																	
Contractor UIR Reference	EXT-A 1.1)			Revising																	
Received by ER		UIR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>C4</td> <td>C5</td> <td>C6</td> <td>C7</td> <td>C8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	C1	C2	C3	C4	C5	C6	C7	C8										
C1	C2	C3	C4	C5	C6	C7	C8														
CODE-1 S1 to S21 Station Reference	CODE-1 D1 to S3 Depot Reference	CODE-1 Kp XXX For Kilometer point only	CODE-2 Work Activity	CODE-3 Sub Element of Activity																	

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
0+150 To 0+200	0+150 To 0+200	S3 12"
<u>Inspection Description:</u> installing the foam in the expansion joints for slope protection works		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as Indicated ☐
Drawing Reference	ITP Reference	IMS Reference	

Comments by: El-Raed

about expansion joints work in work area

Comments by: Systra

Comments attached

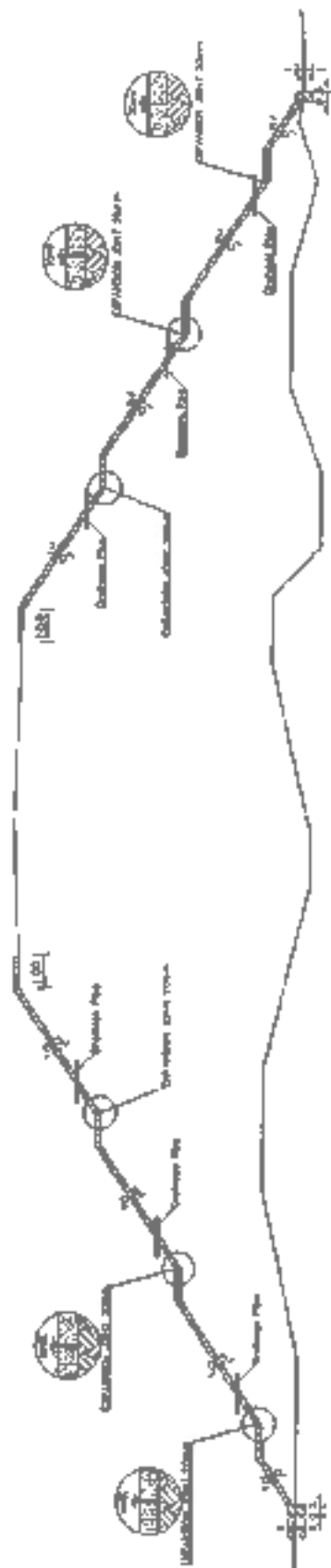
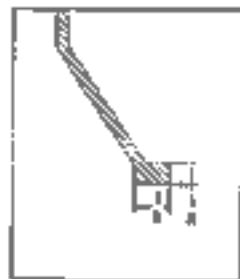
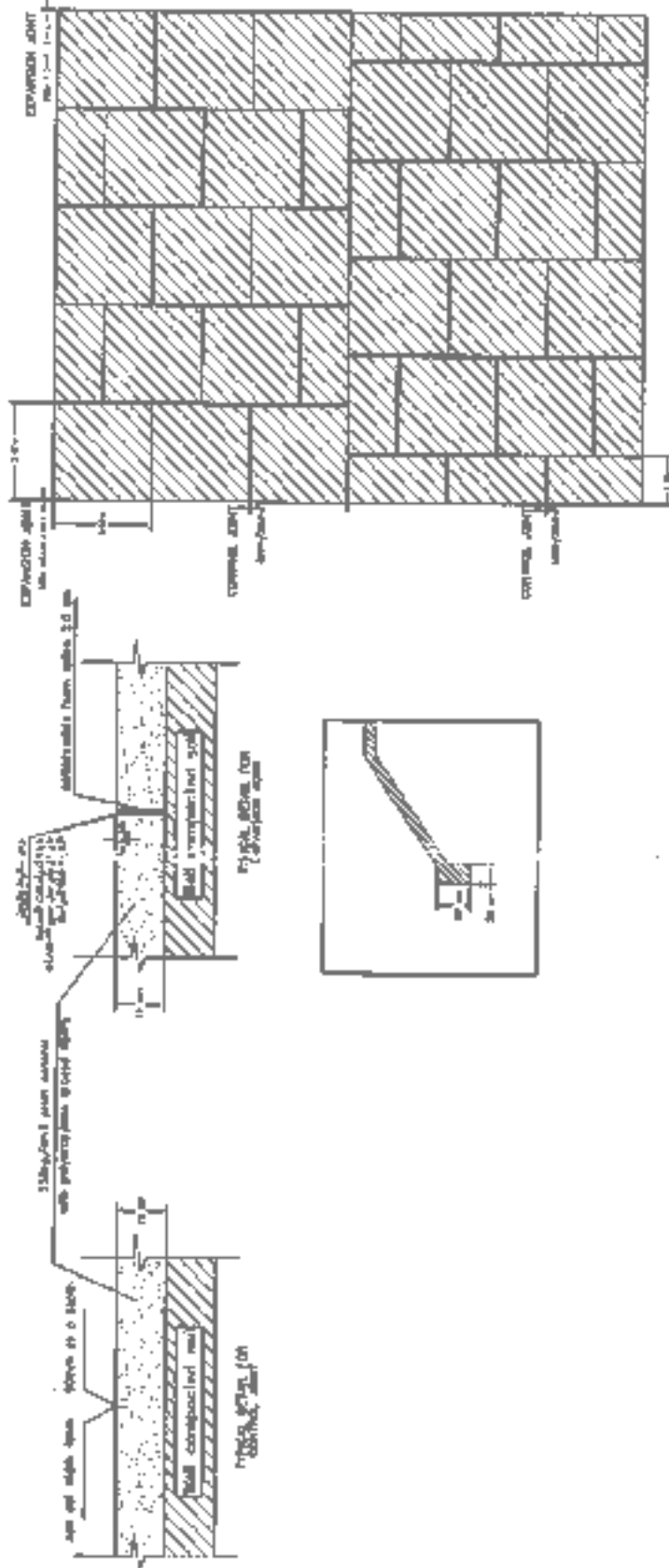
INSPECTION RESULT

Organisation	Name	Sign	Designation	Date	Time	Approval Status	Please Tick If Not Attend
Contractor Construction	Hamdy Zakaria			25.12.2023		A	
Contractor QM/QC				26.12		A	
GARB*							
Employer Representative				25.12.2023			

File Name: J



Typical cross section for slope protection



توضیحات:

1- این مقطع برای سازه های بتنی با ارتفاع کمتر از 3 متر است.

2- در صورت نیاز به ارتفاع بیشتر، باید با مهندس ناظر هماهنگی حاصل شود.

3- مصالح مصرفی باید مطابق با مشخصات استاندارد باشد.

4- اجرای سازه باید مطابق با نقشه های اجرایی باشد.

5- در صورت نیاز به تغییرات، باید با مهندس ناظر هماهنگی حاصل شود.

6- این مقطع برای سازه های بتنی با ارتفاع کمتر از 3 متر است.

7- در صورت نیاز به ارتفاع بیشتر، باید با مهندس ناظر هماهنگی حاصل شود.

8- مصالح مصرفی باید مطابق با مشخصات استاندارد باشد.

9- اجرای سازه باید مطابق با نقشه های اجرایی باشد.

10- در صورت نیاز به تغییرات، باید با مهندس ناظر هماهنگی حاصل شود.

ردیف	شرح	مقدار	واحد
1	بتن	1.5	متر
2	سنگ	1.5	متر
3	خاک	1.5	متر
4	آهن	1.5	متر
5	آهن	1.5	متر
6	آهن	1.5	متر
7	آهن	1.5	متر
8	آهن	1.5	متر
9	آهن	1.5	متر
10	آهن	1.5	متر

El-Forsan from St. -0+150 to St. 0+000											
Left				St.	Right						
				-0+150							
				-0+144							
				-0+135							
				-0+126							
				-0+117							
				-0+108							
				-0+099							
				-0+090							
				-0+081							
				-0+072							
				-0+063							
				-0+054							
				-0+045							
				-0+036							
				-0+027							
				-0+018							
				-0+009							
				-0+000							

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. EET-2-A.1

1. Expansion Joints inspected and approved by GARB consultant.
2. Foam MAR, MIR to be approved by GARB Consultant and submitted to general consultant.
3. Work may proceed as per approved specs & testing frequency.

ENG: Mohamed Saad



UNIVERSAL INSPECTION REQUEST



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company	
Issued by Contractor	Name	Sign	Date	Time	
	Hamdy Zakaria	Nadif	25.12.2023		
Contractor UIR Reference	(F.7 - A.1.1)			Revision	
Received by ER		UIR	C1	C2	C3
			DD	MM	YY
			HH	MM	
CODE-1 S1 to S21 Station Reference	CODE-1 D1 to S3 Depot Reference	CODE-1 Kp XXX For Kilometer point only	CODE-2 Work Activity	CODE-3 Sub Element of Activity	

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
-C+150 to 0+000	-0+5 to 0+000	S3 "L"
<u>Inspection Description:</u> Formworks for slope protection works		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as Indicated ☐
Drawing Reference	ITP Reference	IAS Reference	

Comments by: El-Raed

Enclosure is complete with
and can finish material
- work may proceed

Comments by: Systia

Comments attached

INSPECTION RESULT

Organisation	Name	Sign	Designation	Date	Time	Approval Status	Please Tick if Not Attend
Contractor Construction	Hamdy Zakaria			25.12.2023		A	
Contractor QA/QC	Mohammed			28.12		A	
GARB*							
Employer Representative	Mohammed			25-12-23		AWC	



UNIVERSAL INSPECTION REQUEST



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company			Designer Company*	DR Hassan Mahdy (H.M.C)																				
Issued by Contractor	Name Hamdy Zakaria	Sign 	Date 13/11/2023	Time																				
Contractor UIR Reference	SR.13 - A1.1																							
Received by FR		UIR	<table border="1"> <tr> <td>Q1</td> <td>Q2</td> <td>Q3</td> <td>Q4</td> <td>Q5</td> <td>Q6</td> <td>Q7</td> <td>Q8</td> <td>Q9</td> <td>Q10</td> </tr> <tr> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> </tr> </table>		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	14	15	16	17	18	19	20	21	22	23
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10															
14	15	16	17	18	19	20	21	22	23															
CODE -1	CODE -1	CODE -1	CODE -2	CODE -3																				

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
0+150 to 0+000	0+150 to 0+000	As-built

Inspection Description:
We request your attendance to inspect those coordinates for slope protection from St. -0+150 to St. 0+000 as attached

INSPECTION DETAILS the following will be ready at the Planned inspection time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE Also be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	Surveying sheets (Master sheet + Cross sections + Width sheets)		
Drawing Reference	MP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (GARB SURVEY CONSULTANT (XYZ))

SURVEYING WORKS (LEVELS - CORRDNATS - WIDTH) ARE INSPECTED AND FOUND :

WORKS MAY :

NAME:

Comments by: GENERAL CONSULTANT (SYSTRA)

INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attend
Contractor Engineer	Hamdy Zakaria		13/11/2023		A-AWC-R	
Contractor QA/QC*	XYZ		14/11/2023		Awc	
	H.M.C		14/11/2023		Awc	
GARB**						
Employers Representative			14/11/2023		Awc	

* Designer

File Name: COVER

محضر استلام الميزانية الشبكية من الشركات المنفذة

تاريخ ١١ / ١١ / ٢٠٢٣

اسم المشروع : مشروع القطر السريع (تعيين المسكنة - لتعليم)

فعلت شركة فكت واي زد (XYZ) للأعمال المساهمة (استشاري الاعمال المساهمة لجهة الطرق والتكاري) باستلام الميزانية الشبكية من شركة
الضريبة :

٥٤٥٠

٥٤٥٠

من المصحة رقم : الى السنة رقم :

شود مهمه يجب ان يتم تسليمها قبل الاستلام

- يتم استلام البيانات من الإتهام من فرصد مباشرة من الجهاز المستخدم بأي صيغة (RAW DATA)

- يتم اعتماد طريقة الميزانية المتكاملة و المتكاملة فكتوي مشروع القطر للكهربائي السريع.

- يتم اعتماد الارصاد والميزانيات المعروفة بالجزيرة مفحوصة ولها شهادات معتمدة ملابرة حنطة فقط لا تقل مدة اخر معايرة لثديوز عن 3 أشهر.

- يتم مراجعة شهادات المعايرة مع التوكيل بشكل موثوق وفي حالة ظهور شهادة مرفوعة يتم استبعاد الجهاز وللشخص المسؤول حرا.

- يجب ان يكون القلم باعمال الميزانية من المتخصصين في مجال المعايرة وله خبرة متقدمة

- يتم مطابقة واستلام الاعمال في الموقع وفي حالة عدم مطابقة المنسوب في اكثر من 4 اماكن موزعين على المنطقة لا بعدد بالميزانية المتكاملة ويتم اعادة رسدما.

ملاحظات :

تميز اليه شهادته اذله حيوة جابله (امته)

(حجم) ليت () شركة القياس بيدل الشد

مهندس الهيئة

استشاري المشروع

استشاري المصلحة

مهندس الشركة المنفذة

عادل

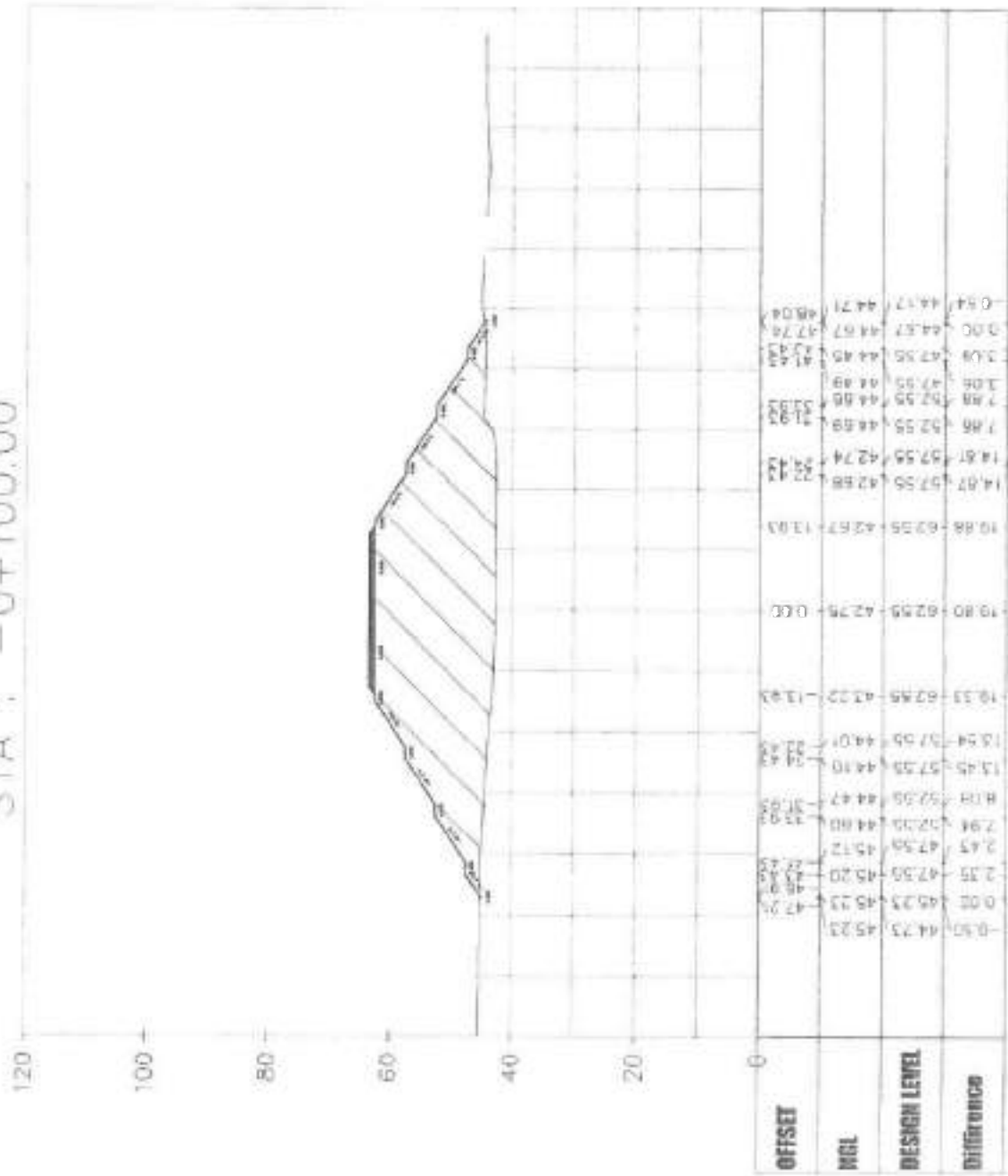
محمد

محمد كتر

محافظة القاهرة
والتحصيل البري
محافظة القاهرة
والتحصيل البري

الخبرسان
جشاء الطريق و التكاليف

STA : -0+100.00



S.P. : -0+100.00	
S.P	
Volume	231.95 m3
Cum Vol	586.05 m3

FT: -0+100.00	
F.T	
Volume	6.00 m3
Cum. Vol.	15.00 m3

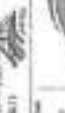
١٠. اشرح الفرق بين التمثيل الضوئي والبناء الضوئي.

$\Delta_{\text{eff}}/\text{meV}$	μ_{eff}/μ_B
around the transition	1.1-1.2 (2012)
	6

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.



Notes: Comments



U.S. RATE

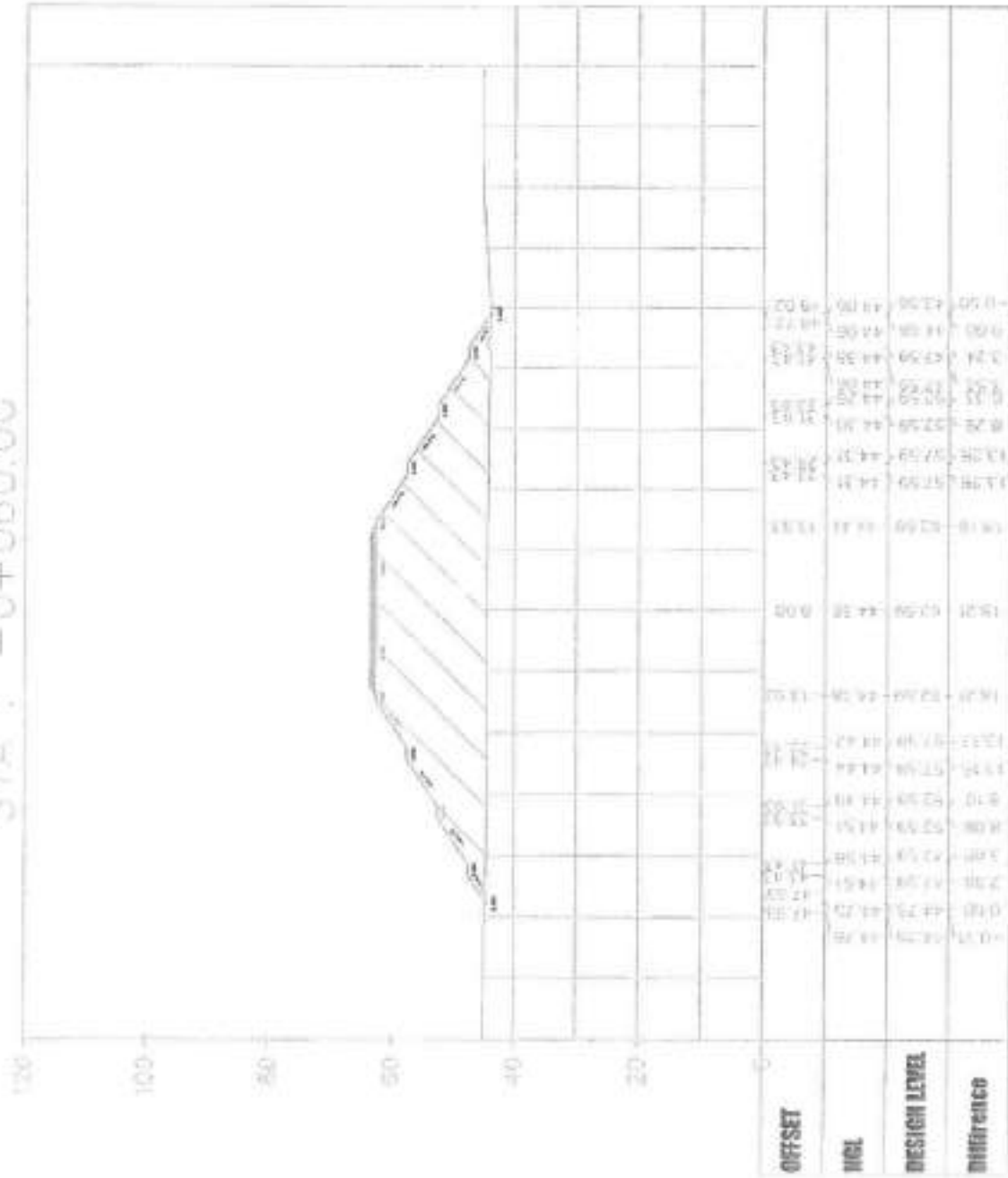


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Project: *Phragmites*
 Date: 10/10/00
 Location: 10/10/00

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

STA : -0+060.00



S.P : -0+060.00

S.P

Volume 233.60 m3

Cum Vol 1,050.16 m3

FT : -0+060.00

F.T

Volume 6.00 m3

Cum. Vol. 27.00 m3

Legend :

ساحة العمل الحالية
التي

الارتفاع
منسوب

الارتفاع
منسوب

الارتفاع
منسوب

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منسوب

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منسوب

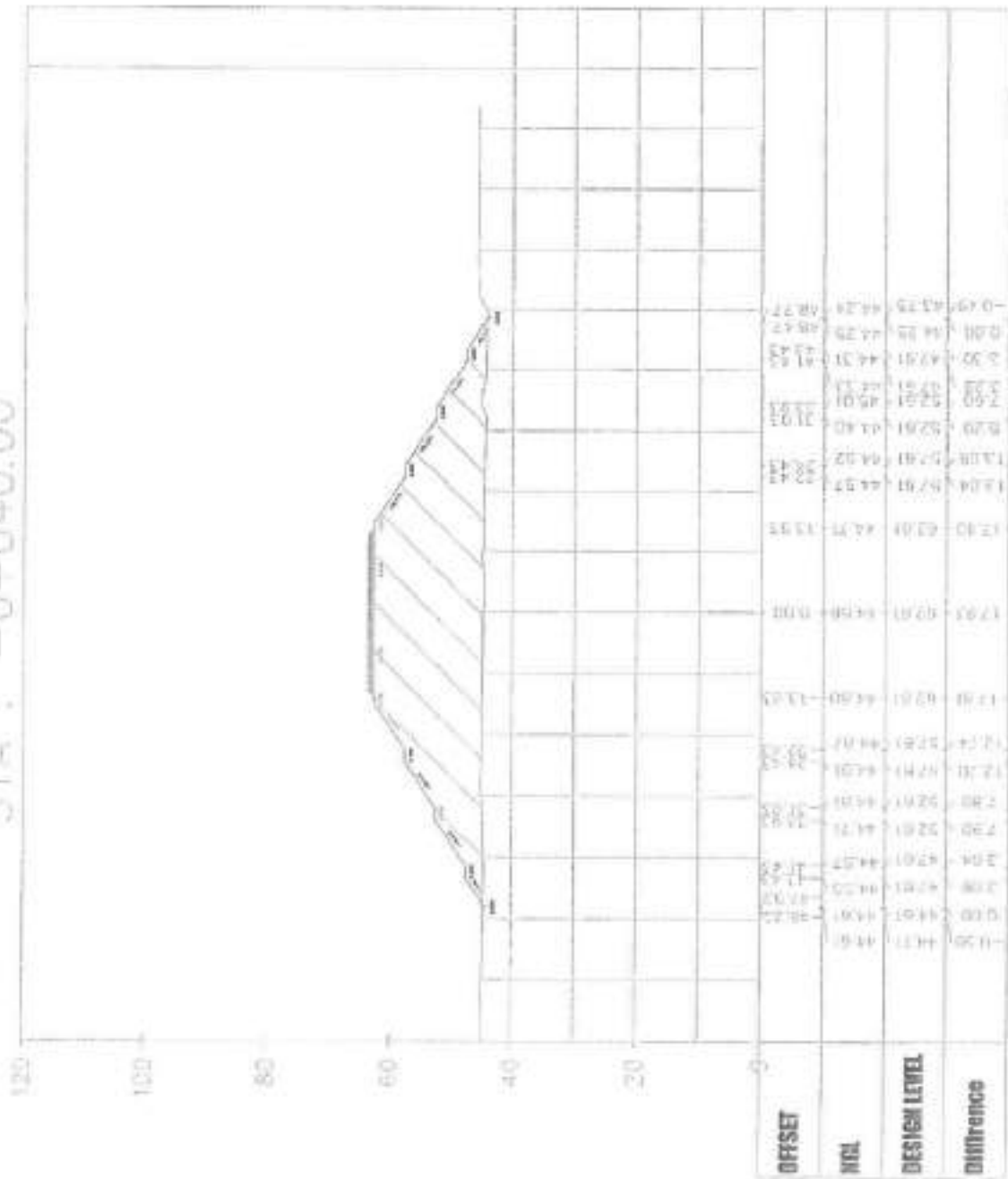
الارتفاع
منسوب

الارتفاع
منسوب

الارتفاع
منسوب

الارتفاع
منسوب

STA : -0+040.00



OFFSET	12.00	10.00	8.00	6.00	4.00	2.00	0.00	-2.00	-4.00	-6.00	-8.00	-10.00	-12.00
NOEL	12.00	10.00	8.00	6.00	4.00	2.00	0.00	-2.00	-4.00	-6.00	-8.00	-10.00	-12.00
DESIGN LEVEL	12.00	10.00	8.00	6.00	4.00	2.00	0.00	-2.00	-4.00	-6.00	-8.00	-10.00	-12.00
Difference	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

S.P : -0+040.00	
S.P	
Volume	236.76 m3
Cum Vol	1,256.92 m3

FT : -0+040.00	
F.T	
Volume	6.00 m3
Cum. Vol.	33.00 m3



Handwritten signature or mark.

ملاحظات:

1- تم إعداد هذا المخطط بناءً على البيانات الواردة في المخطط المرفق.

2- تم إجراء جميع الحسابات باستخدام برنامج AutoCAD.

3- تم التحقق من دقة الحسابات بواسطة المصمم.

4- تم إعداد هذا المخطط في شهر 12 من سنة 1441 هـ.

5- تم إعداد هذا المخطط في مدينة الرياض.

ملاحظات:

1- تم إعداد هذا المخطط بناءً على البيانات الواردة في المخطط المرفق.

2- تم إجراء جميع الحسابات باستخدام برنامج AutoCAD.

3- تم التحقق من دقة الحسابات بواسطة المصمم.

4- تم إعداد هذا المخطط في شهر 12 من سنة 1441 هـ.

5- تم إعداد هذا المخطط في مدينة الرياض.

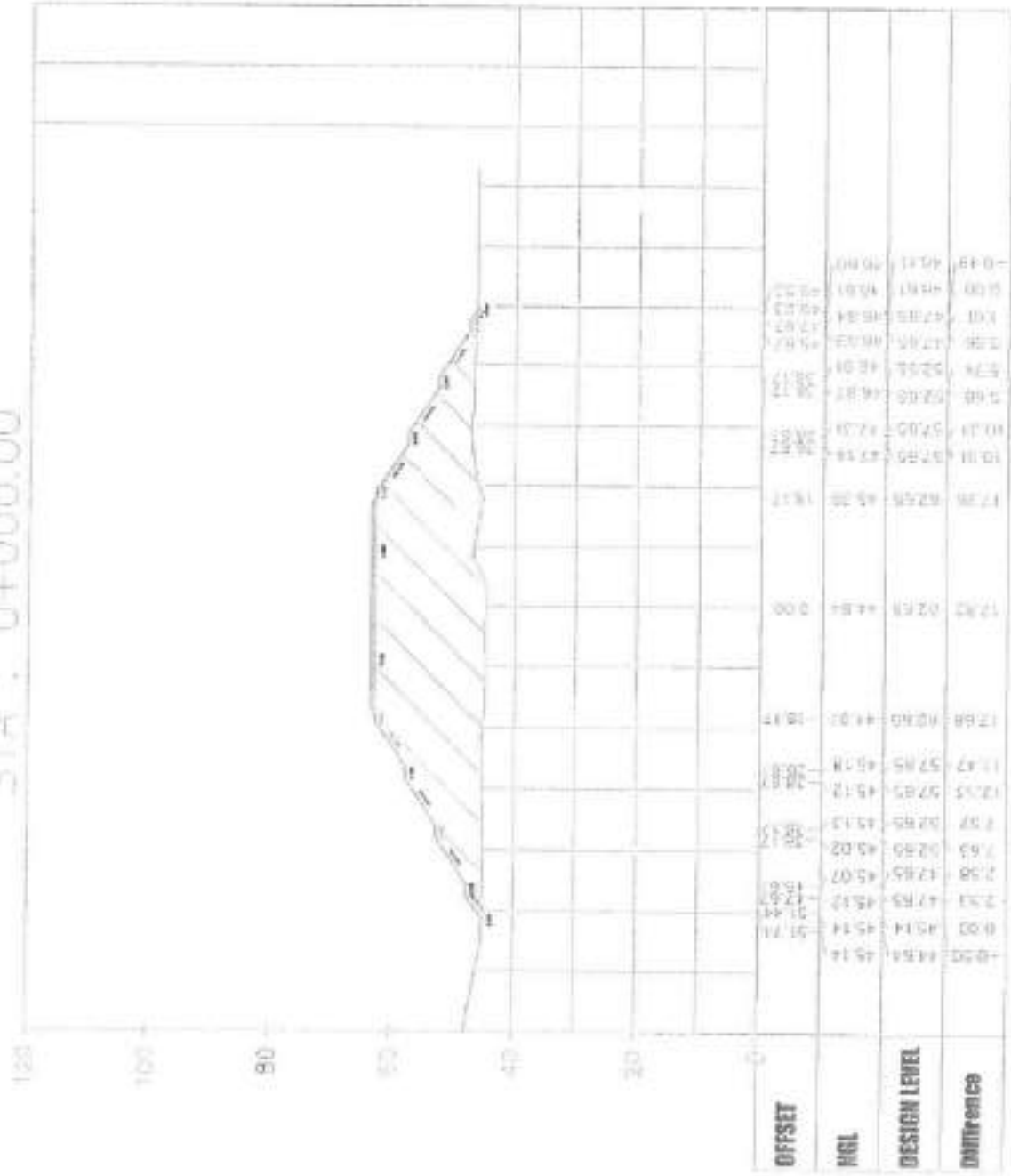
وزارة النقل والبنية التحتية

وزارة النقل والبنية التحتية

وزارة النقل والبنية التحتية

وزارة النقل والبنية التحتية

STA : 0+000.00



S.P : 0+000.00	
S.P	
Volume	223.59 m3
Cum Vol	1,741.72 m3

FT : 0+000.00	
F.T	
Volume	6.00 m3
Cum Vol	45.00 m3



المشروع : مشروع إنشاء وتطوير شبكة الطرق في منطقة الرياض

الجهة الممولة : وزارة النقل والبنية التحتية

الجهة المنفذة : شركة تطوير البنية التحتية

المهندس : المهندس / محمد بن عبد الله بن محمد

الموقع : الرياض - منطقة الرياض

التاريخ : 1443 هـ

ملاحظات:

1- تم إجراء الحسابات بناءً على البيانات الواردة في المخطط.

2- تم إجراء الحسابات بناءً على البيانات الواردة في المخطط.

3- تم إجراء الحسابات بناءً على البيانات الواردة في المخطط.

وزارة النقل والبنية التحتية

المملكة العربية السعودية

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. *F7*..... *A1.1*

1. Surveying works (Levels, coordinates & NO. of berms) are inspected and approved by GARB consultant. (IR copy is attached)
2. Formworks were approved by GARB consultant (EL-RAEID), all comments to be implemented.
3. Work may proceed.

ENG: Mohamed Saad



REQUEST to POUR CONCRETE



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company			Designer Company*																	
Issued by Contractor	Name Hamdy Zakaria	Sign <i>Nabeen</i>	Date 19.12.2023	Time																
Contractor UIR Reference	P-A1.1)																			
Received by ER	<i>Mohamed Sa</i>	<i>M</i>	UIR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	C1	C2	C3	DD	MM	YY	HH	MM								
C1	C2	C3	DD	MM	YY	HH	MM													

CODE -1	CODE -1	CODE -1	CODE -2	CODE -3
---------	---------	---------	---------	---------

EXPLANATION OF WORK TO BE INSPECTED		
AREA	Element	Item
-0+150 To 0+000	From ST -0+150 to ST-0+000	Benchers :
		Slope 2
	Total Pouring M3	235 m ³
Inspection Description:		Supplier
Concrete pouring for slope protection works		

INSPECTION DETAILS The following will be ready at the Planned Inspection Time	
Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE (Also be included as appropriate)			
Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	(Reports)		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (ELRAEID CONSULTANT ENGINEER)	Comments by: GENERAL CONSULTANT (SYSTRA)
- spraying slabs by water before pouring - take cubes for testing - curing concrete after pouring	<i>Comments attached</i>
NAME:- <i>Ehab Anas</i>	

INSPECTION RESULT					Approval Status	Please Tick if Not Attended
Organisation	Name	Sign	Date	Time		
Contractor Engineer	Hamdy Zakaria	<i>Nabeen</i>	19/12/2023			
Contractor QA/QC*						
Contractor Consultant	<i>Ehab Anas</i>	<i>A</i>	19/12/2023		A	
GARB**						
Employers Representative	<i>Mohamed Sa</i>	<i>M</i>	19-12-2023		A/C	

Elevation from St. -0+150 to St. 0+000									
Left				St.	Right				
				-0+150					
				-0+144					
				-0+135					
				-0+126					
				-0+117					
				-0+108					
				-0+099					
				-0+090					
				-0+081					
				-0+072					
				-0+063					
				-0+054					
				-0+045					
				-0+036					
				-0+027					
				-0+018					
				-0+009					
				-0+000					

GB International ReadyMix

Product No: 7478
 Concrete Class: 250-300-الفرسان
 Quantity: 10,00
 Customer: 0
 Tax Office:
 Chantier:
 Chantier Address:

Delivery Note A1006855 19.12.2023 08:08:39

Customer Address:
 Tax No:
 Service:
 Transmiser: 8859
 Driver Name: محمود جمال

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
IC	0	0	0,00	0,00%	%2
Sh	820	8200	8.208	0,07%	%2
AC	810	8100	8.103	0,06%	%2
AC	500	5000	5.003	0,06%	%2
W	180	1800	1.801	0,06%	%1
S	0	0	0	0,00%	%3
F	0	0	0,00	0,00%	%3
P	5	50	50,15	0,30%	%3
C	0	0	0	0,00%	%1
C	0	0	0	0,00%	%1
C	0	0	0	0,00%	%1
C	300	3000	3.002	0,07%	%1
LS:	2415,00	24150,00			

MAHMOUD

Delivered by: محمود جمال

Delivered to:

GB International ReadyMix

Product No: 7485
 Product Class: 250-300 قمرسان
 Quantity: 10,00
 Customer: 0
 Tax No:
 Service:
 Transmiser:
 Driver Name:

Delivery Note A1006858 19.12.2023 09:46:46

Customer Address:
 Tax No:
 Service:
 Transmiser: 8353
 Driver Name: شريف حلمي

Material	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
I	0	0	0,00	0,00%	%2
S	820	8200	8.211	0,13%	%2
A	610	6100	6.106	0,10%	%2
A	500	5000	5.006	0,12%	%2
V	180	1800	1.802	0,11%	%1
S	0	0	0	0,00%	%3
F	0	0	0,00	0,00%	%3
F	5	50	50,28	0,56%	%3
C	0	0	0	0,00%	%1
C	300	3000	3.003	0,10%	%1
C	0	0	0	0,00%	%1
C	0	0	0	0,00%	%1
	2415,00	24150,00			

MAHMOUD

Delivered by: شريف حلمي

Delivered to:

GB International ReadyMix



No: 7493

Delivery Note

A1006867

19.12.2023 12:26:55

Class: C25 350

9,00

0

Customer Address:

Tax No:

Service:

Transmiser: 1348

Driver Name: حمادة علي

Address:

Formula	Total Required	Total Measurement	Dif (%)	Difference Max %
0	0	0,00	0,00%	%2
770	6930	6,941	0,16%	%2
560	5040	5,045	0,10%	%2
560	5040	5,045	0,10%	%2
184	1656	1,658	0,12%	%1
0	0	0	0,00%	%3
0	0	0,00	0,00%	%3
5,5	49,5	49,77	0,55%	%3
0	0	0	0,00%	%1
350	3150	3,153	0,10%	%1
0	0	0	0,00%	%1
0	0	0	0,00%	%1
2430,00	21970,00			

MAHMOUD

Delivered by: حمادة علي

Delivered to:

GB International ReadyMix

No: 7495
 Class: 250-300-المرسان
 No: 9,00
 r: 0
 e:
 Address:

Delivery Note A1006869 19.12.2023 13:23:25
 Customer Address:
 Tax No:
 Service:
 Transmitter: 4727
 Driver Name: محمد عبد الحميد

Items	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
	0	0	0,00	0,00%	%2
	820	7380	7.387	0,09%	%2
	610	5490	5.494	0,07%	%2
	500	4500	4.504	0,09%	%2
	180	1620	1.621	0,08%	%1
	0	0	0	0,00%	%3
	0	0	0,00	0,00%	%3
	5	45	45,18	0,40%	%3
	0	0	0	0,00%	%1
	300	2700	2.702	0,07%	%1
	0	0	0	0,00%	%1
	0	0	0	0,00%	%1
	2415,00	21735,00			

MAHMOUD

Delivered by: محمد عبد الحميد

Delivered to:

GB International ReadyMix

No: 7497
 Class: 250-300-فرسان
 9,00
 0

Delivery Note A1006871 19.12.2023 14:26:00

Customer Address:

Tax No:

Service:

Transmiser: 1346

Driver Name: حمادة علي

Address:

#	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
	0	0	0,00	0,00%	%2
	820	7380	7,384	0,05%	%2
	610	5490	5,492	0,04%	%2
	500	4600	4,502	0,04%	%2
	180	1620	1,621	0,06%	%1
	0	0	0	0,00%	%3
	0	0	0,00	0,00%	%3
	5	45	45,09	0,20%	%3
	0	0	0	0,00%	%1
	300	2700	2,701	0,04%	%1
	0	0	0	0,00%	%1
	0	0	0	0,00%	%1
	2415,00	21736,00			

MAHMOUD

Delivered by: حمادة علي

Delivered to:

GB International ReadyMix

P. No: 7508
 C. Class: 250-300 قوسان
 9,00
 0
 Address:

Delivery Note A1006681 20.12.2023 08.52.07

Customer Address:

Tax No:

Service:

Transmixer: 4727

Driver Name: *Amir Amir*

Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
0	0	0,00	0,00%	%2
820	7380	7 382	0,03%	%2
610	5490	5.491	0,02%	%2
500	4500	4.501	0,02%	%2
180	1620	1 620	0,00%	%1
0	0	0	0,00%	%3
0	0	0,00	0,00%	%3
6	45	45,05	0,11%	%3
0	0	0	0,00%	%1
300	2700	2.700	0,00%	%1
0	0	0	0,00%	%1
0	0	0	0,00%	%1
21735,00	21735,00			

AMMONG

Delivered by: *Amir Amir*

Delivered to:

GB International ReadyMix

Product No: 7518
 Class: 250-300-فورسان
 Price: 5,00
 Qty: 0
 Tax: 0
 Customer Address:

Delivery Note: A1006891 20.12.2023 12:33:19

Customer Address:
 Tax No:
 Service:
 Transmiser: 8348
 Driver Name: علي سالم

M	Items	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
IC		0	0	0,00	0,00%	%2
S		820	4100	4.103	0,07%	%2
A		610	3050	3.052	0,07%	%2
A		500	2500	2.502	0,08%	%2
V		180	900	901	0,11%	%1
S		0	0	0	0,00%	%3
R		0	0	0,00	0,00%	%3
P		6	25	25,08	0,32%	%3
C		0	0	0	0,00%	%1
C		300	1500	1.501	0,07%	%1
C		0	0	0	0,00%	%1
C		0	0	0	0,00%	%1
		2415,00	12075,00			

MAHMOUD

Delivered by: علي سالم

Delivered to:

GB International ReadyMix

No: 7499

Delivery Note

A1006873

19.12.2023 14:55:09

Class: 250-300 فرسان

10,00

0

Customer Address:

Tax No:

Service:

Transmixer: 8348

Driver Name: علي مسلم

Address:

Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
0	0	0.00	0.00%	%2
820	8200	8.206	0.07%	%2
610	6100	6.103	0.05%	%2
500	5000	5.003	0.06%	%2
180	1800	1.801	0.06%	%1
0	0	0	0.00%	%3
0	0	0.00	0.00%	%3
5	50	50.15	0.30%	%3
0	0	0	0.00%	%1
300	3000	3.002	0.07%	%1
0	0	0	0.00%	%1
0	0	0	0.00%	%1
2415.00	24150.00			

AHMOUD

Delivered by: علي مسلم

Delivered to:

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. B-A,1

1. Concrete Pouring Inspection was carried-out, Slump and temp. found acceptable.
2. Compressive strength of concrete cubes taken to comply with project specs.
3. Concrete plant to be approved by general consultant.
4. All concrete tests result to comply with project specs.
5. Concrete curing to be done as per project specs.
6. Control joints inspected and approved by GARB consultant (EL-RAEID).
7. Fiber MAR and MIR to be approved by GARB consultant and submitted to General consultant.
8. There is no typical sec. for drainage pipe.
9. Drainage pipe typical sec. to be approved and submitted.
10. Drainage pipe to be implemented and inspected in new IR.
11. Implementation of drainage pipes are contractor responsibility.
12. Alignment maintenance after slope protections is contractor responsibility.
13. Final approval is subject to submitting final inspection request with code A from GARB consultant.

ENG: Mohamed Saad

UNIVERSAL INSPECTION REQUEST



RECEIPT OF NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company	
Issued by Contractor	Name	Sign	Date	Time	
	Hamdy Zakaria	Nafis	18.12.2023		
Contractor UIR Reference	1 EXJ-A 1.1			Revision	
Received by ER				UIR	
CODE-1 S1 to S21 Station Reference	CODE-1 D1 to D3 Depot Reference	CODE-1 Km XXX For Kilometer point only	CODE-2 Work Activity	CODE-3 Sub Element of Activity	

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
-0+150 to 0+1000	0+150 to 0+000	30'2"
<u>Inspection Description:</u> Installing the foam in the expansion joints for slope protection works		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☐
Drawing Reference	ITP Reference	MS Reference	

Comments by: El-Raed

Plan expansion joint
make more secure

Comments by: Systra

Comments attached

INSPECTION RESULT

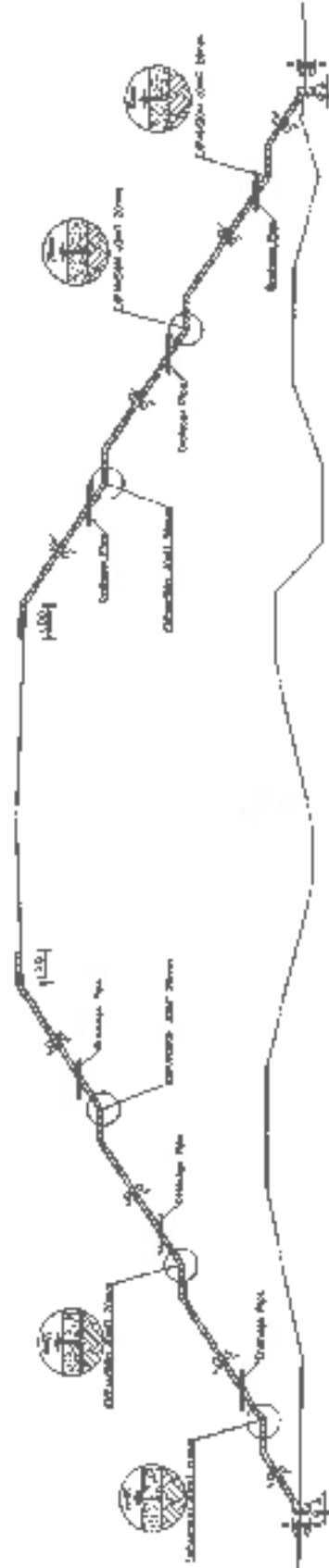
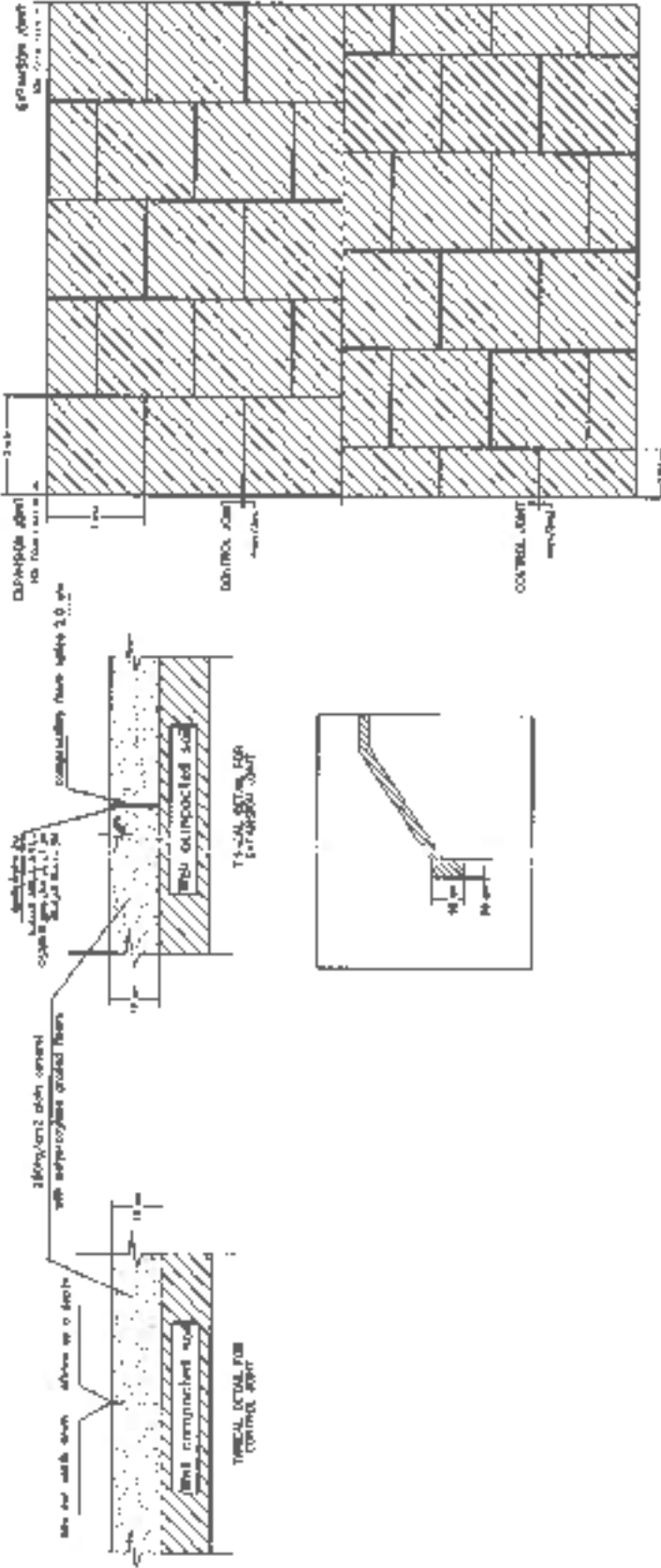
Organisation	Name	Sign	Designation	Date	Time	Approval Status	Please Tick if Not Attend
Contractor Construction	Hamdy Zakaria	Nafis		18.12.2023		A	
Contractor QA/QC	Mohamed	Mohamed		18.12		A	
GARD*							
Employer Representative	Mohamed			18-12-23		A	

File Name: J



Elevation from St. -0+150 to St. 0+000									
St.									
Left					Right				
				-0+150					
				-0+144					
				-0+135					
				-0+126					
				-0+117					
				-0+108					
				-0+099					
				-0+090					
				-0+081					
				-0+072					
				-0+063					
				-0+054					
				-0+045					
				-0+036					
				-0+027					
				-0+018					
				-0+009					
				-0+000					

Typical cross section for slope protection



1. The slope protection system is designed to provide a permanent and reliable method of slope stabilization. The system is composed of a concrete wall, an embankment, and a slope. The wall is constructed from concrete and is designed to resist the lateral forces exerted by the soil. The embankment is constructed from compacted soil and is designed to provide a stable base for the wall. The slope is constructed from compacted soil and is designed to provide a stable surface for the embankment. The system is designed to be installed in a variety of soil conditions and to provide a long-term solution to slope stabilization.

Item	Quantity	Unit
Concrete Wall	1.5m	m
Embankment	1.5m	m
Slope	1.5m	m

1. The slope protection system is designed to provide a permanent and reliable method of slope stabilization. The system is composed of a concrete wall, an embankment, and a slope. The wall is constructed from concrete and is designed to resist the lateral forces exerted by the soil. The embankment is constructed from compacted soil and is designed to provide a stable base for the wall. The slope is constructed from compacted soil and is designed to provide a stable surface for the embankment. The system is designed to be installed in a variety of soil conditions and to provide a long-term solution to slope stabilization.

2. The slope protection system is designed to provide a permanent and reliable method of slope stabilization. The system is composed of a concrete wall, an embankment, and a slope. The wall is constructed from concrete and is designed to resist the lateral forces exerted by the soil. The embankment is constructed from compacted soil and is designed to provide a stable base for the wall. The slope is constructed from compacted soil and is designed to provide a stable surface for the embankment. The system is designed to be installed in a variety of soil conditions and to provide a long-term solution to slope stabilization.

3. The slope protection system is designed to provide a permanent and reliable method of slope stabilization. The system is composed of a concrete wall, an embankment, and a slope. The wall is constructed from concrete and is designed to resist the lateral forces exerted by the soil. The embankment is constructed from compacted soil and is designed to provide a stable base for the wall. The slope is constructed from compacted soil and is designed to provide a stable surface for the embankment. The system is designed to be installed in a variety of soil conditions and to provide a long-term solution to slope stabilization.

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO E...T...A-1

1. Expansion Joints inspected and approved by GARB consultant.
2. Foam MAR, MIR to be approved by GARB Consultant and submitted to general consultant.
3. Work may proceed as per approved specs & testing frequency.

ENG: Mohamed Saad



SUBMISSION of TEST RESULTS

الهيئة العامة للإستشارة



Location Name		Contractor Company		Designer Company																					
Issued by Contractor	Name	Sign	Date	Time																					
	Hamdy Zakaria		23.12.2023																						
Contractor Reference	(T.S-A11)				Revision																				
Received by ER	Mohamed		SNA	<table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>		1	2	3	4	5	6	7	8	9	10										
1	2	3	4	5	6	7	8	9	10																

NB: Package 1 Only (Package 2 via Aconex)

THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW

Description of Test Materials				
Location of Test				
- 0+150 To 0+100 S&L				
Item	Specification	Test Requirement	Test Result Attachment	Remarks
1	187.5 kg/cm ²	7 days		
2	250 kg/cm ²	28 days		
3				
4				
5				

Comments by:	Comments by:
 - Acceptable results for the compressive strength.	attached results are accepted

APPROVAL STATUS				
Organisation	Name	Sign	Date	A/M/C/R
Contractor	Hamdy Zakaria		23.12.2023	A
Designer	Mohamed Mohamed		23.12.2023	A
GARB *				
Employers Representative	Mohamed		24-1-2024	A/M/C

* Applicant / Bridges, Culvert Only

A: Approved, A/M/C: Rejected with Comments, R: Rejected



شركة جي بي
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

Test Standard ECP 203-9007-(7-2) & BS 1881 - Part 116:1983

CLIENT :	المركبات	SAMPLED BY :	شركة جي بي
PROJECT :	المطار السريع ط ١٥٥٤	Cement Content/Type :	250-300 OPC
CONSULTANT :		STRUCTURE ELEMENT :	ممر
DATE OF CASTING :	16-12-2023	SPECIFIED STRENGTH :	250 kg/cm ²
POURED QUANTITY :	m ³	NO. OF SAMPLES MADE :	3
TARGET SLUMP	170+/-20 mm	REF NO. :	1.2.3.
Results :			
Specimen Reference	1	2	3
Date of Test	2023-12-23		
Age of Test (Days)	7	7	7
Moist. Condition at Testing	MOIST	MOIST	MOIST
Shape Of Specimen	Cube	Cube	Cube
Average Dimension (mm)	150	150	150
Weight (g)	8156	8180	8164
Density (Ton/m ³)	2.417	2.424	2.419
Failure Load (kN)	525	519	507
Comp. Strength	238	235	230
Average 7 Days			
Average 7 Days K.G	234		
Average 28 Days K.G			
Remarks :			
Note :	Specialist Loading Rate Range - 4.5kN/s to 24 kN/s or 0.2kN/s		
Lab Technician	Engineer	QC Engineer	QC Engineer
			Mahmoud Alwan



ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING S.A.E

3 ARD EL-KAWY AHMED ST., MOHANDIESTEN GIZA

Tel : 3448413 Fax : 3631779

Project: Electric Express Train

File No: 4800/S

Client: شركة مصر

Date: 27/12/2023

COMPRESSIVE STRENGTH OF TEST CUBE OF CONCRETE SPECIMEN ACCORDING TO BS 1881-116: 1983

Location: St.-0+150 To0+000 - Slope Protection - Left side

Concrete Class: C 25

Cast by: GB

Type of Curing: By the Client

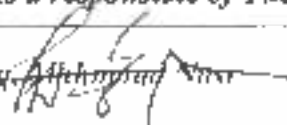
Date of Casting: 17/12/2023

Dimension: 15*15*15 cm

Cube Iden. No.	Unit Weight (gm/cm ³)	Date of Testing	Age of Cubes (days)	Area Loaded (cm ²)	Crushing Load (kg)	Compressive Strength (kg/cm ²)
1	2.399	27/12/2023	10	225	53754	239
2	2.419	27/12/2023	10	225	52938	235
3	2.433	27/12/2023	10	225	50286	223
Average						233

Notes:

- Location of the concrete casting was identified and given by client.
- Ardaman - Split company is not responsible for cubes casted or cured by client
- The Client is responsible of The Above Data

Prepared by: Eng. 

Reviewed by: Eng. Osama Mostafa



شركة جي بي الدولية
للحرسات الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

Test Standard ECP 203-2007-(7-3) & BS 1881 - Part 116:1983

CLIENT :	القدس	SAMPLED BY :	شركة جي بي
PROJECT :	القطار المربع في المنطقة	Cement Concn/Type :	250-300 OPC
CONSULTANT :		STRUCTURE ELEMENT :	مويل
DATE OF CASTING :	16-12-2023	SPECIFIED STRENGTH :	250 kg/cm ²
POURED QUANTITY :	m ³	NO. OF SAMPLES MADE :	3
TARGET SLUMP :	170+/-20 mm	REF NO. :	1.2.2
Results :			
Specimen Reference	1	2	3
Date of Test	2024-01-15		
Age of Test (Days)	28	28	28
Moist. Condition at Testing	MOIST	MOIST	MOIST
Shape Of Specimen	Cube	Cube	Cube
Average Dimension (mm)	150	150	150
Weight (g)	8311	8282	8223
Density (Tun/m ³)	2.475	2.469	2.440
Failure Load (kN)	620	612	634
Comp. Strength	281	277	287
Average @ Days			
Average @6 Days K.G	282		
 			
Remarks :			
Note : Specified Limiting Rate Range = 0.7kN/s to 0.0 kN/s or 10 kN/s			
Lab Technician	Engineer	J.V	QC Engineer
			Mahmoud Ahmed



شركة جي بي الدولية
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

Test Standard ECP 203-2007-(7-2) & BS 1881 - Part 116:1983

CLIENT :	فارسان	SAMPLED BY :	شركة جي بي
PROJECT :	المطار السريع في المنطقة	Cement Content/Type :	250-300 OPC
CONSULTANT :		STRUCTURE ELEMENT :	عمود
DATE OF CASTING :	17-12-2023	SPECIFIED STRENGTH :	250 kg/cm ²
POURED QUANTITY :	m ³	NO. OF SAMPLES MADE :	3
TARGET SLUMP	170+/-20 mm	REF NO. :	1.2.3

Results :

Specimen Reference	1	2	3			
Date of Test	2024-01-14					
Age of Test (Days)	28	28	28			
Moist. Condition at Testing	MOIST	MOIST	MIST			
Shape Of Specimen	Cube	Cube	Cube			
Average Dimension (mm)	150	150	150			
Weight (g)	8144	8105	8079			
Density (Ton/m ³)	2.413	2.403	2.394			
Failure Load (kN)	651	639	648			
Comp. Strength	295	289	294			
Average 28 Days				 شركة جي بي الدولية للخرسانة الجاهزة إدارة الجودة		
Average 28 Days K.G	293					

Remarks : 

Note : Specified Loading Rate (kN/s) 10 to 15 kN/s or (6.8kN/s)

Lab Technician	Engineer	QC Engineer
		Mohamed Ahmed



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company	
Issued by Contractor	Name	Sign	Date	Time	
	Hamdy Zakaria	Neel's	18.12.2023		
Contractor UIR Reference	17.8 - A1 1)			Revision	
Received by ER			UIR	C1	C2
				C3	C4
CODE-1 S1 to S71 Station Reference		CODE-1 D1 to D3 Depot Reference		CODE-1 Kp XXX For Kilometer point only	
				CODE-2 Work Activity	
				CODE-3 Sub Elements of Activity	

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
-0+150 to 0+1000	-0+150 to 0+1000	S2 "L"
Inspection Description :		
Formworks for slope protection works		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as Indicated ☐
Drawing Reference	ITP Reference	MS Reference	

Comments by: El-Raed

Exsistent is completed very
evidence with notes
- mark my name

Comments by: Systra

Comment attached

INSPECTION RESULT

Organisation	Name	Sign	Designation	Date	Time	Approval Status	Please Tick if Not Attend
Contractor Construction	Hamdy Zakaria	Neel's		18.12.2023		A	
Contractor QA/QC	Mohammed	Mohammed		18.12		A	
GARB							
Employer Representative	Mohammed			18-12-2023		A	

UNIVERSAL INSPECTION REQUEST



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at standard time shown.

Contractor Company			Designer Company*	DR. Hassan Mahdy (H.M.C)																
Issued by Contractor	Name Hamdy Zakaria	Sign 	Date 13/11/2023	Time																
Contractor UIR Reference	BR/1 : A.1.1																			
Received by ER		UIR	<table border="1"> <tr> <td>Q1</td> <td>Q2</td> <td>Q3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td>13</td> <td>11</td> <td>2023</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Q1	Q2	Q3	DD	MM	YY	HH	MM	13	11	2023					
Q1	Q2	Q3	DD	MM	YY	HH	MM													
13	11	2023																		
CODE -1	CODE -1	CODE -1	CODE -2	CODE -3																

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
-0+150 to 0+000	-0+150 to 0+000	As-built

Inspection Description:
We request your attendance to inspect those coordinates for slope protection from St -0+15.3 in St 0+000 as attached

INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE Must be Included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as Indicated ☒
Other attachments	Surveying sheets (Master sheet + Cross sections + Width sheets)		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (GARR SURVEY CONSULTANT (XYZ)) SURVEYING WORKS (LEVELS - CORRDENATS - WIDTH) ARE INSPECTED AND FOUND WORKS MAY: NAME:	Comments by: GENERAL CONSULTANT (SYSTRA)
---	--

INSPECTION RESULT

Organisation	Name	Sign	Date	Approved A. Mahdy	Approved if not attend
Contractor Engineer	Hamdy Zakaria		13.11.2023		
Contractor QA/QC*	XYZ		14/11/2023	Awe	
	H.M.C		14/11/2023	Awe	
GARR**					
Employers Representative			14-11-2023	Awe	

* Designer

File Name : COVER.rvt

محضر استلام الميزانية الشبكية من الشركات المنفذة

التاريخ: ١١ / ١١ / ٢٠٢٣

اسم المشروع: مشروع للطيار للمربع (الحين للشفقة - لعموم)

تأليف شركة اكس واي زد (XYZ) لاعمال المساحية (استشاري الاعمال المساحية تهيئة الطرق والكباري) باستلام الميزانية الشبكية من شركة /
من طابعه رقم: الى انفسه رقم: ٥٤٥٥

يؤكد معهما يجب ان يتم تسليمها قبل الاستلام

- يتم تسليم البيانات بعد الانتهاء من قوسد مباشرة من اجهز المستخدم بأي صيغة (RAW DATA)

- يتم اعتماد طريقة ليزانية المنطقة والمنطقة فقط في مشروع الطيار الكبري للمربع.

- يتم اعتماد الارصاد والميزانيات المعروفة بالجهة مخصصة ولها شهادات مطابقة سارية حديتها فقط لا تقل مدة اخر معايرة لاجهز عن 3 اشهر.

- يتم مراجعة شهادات المعايرة مع التوكيل بشكل مباشر وفي حالة ظهور شهادة مضرورة يتم استبعاد الجهز والخص للمسؤول فوراً.

- يجب ان يكون القائم باعمال الميزانية من المتخصصين في مجال المساحة وله خبرة مناسبة.

- تتم مطابقة واستلام الاعمال في الموقع وفي حالة عدم مطابقة المنسوب في اكثر من 4 امكن موزعين على المنطقة لا يحد بالميزانية الشبكية ويتم اعاده رسدها.

ملاحظات:

رفع ميزانية شمس ارنك حوجة جابك (المرتب)

(حجم ايب ١) شركة الفرحان بيريل الشام

مهندس انهيبة

استشاري المشروع

استشاري للمساحة

مهندس الشركة المنفذة

معاينة

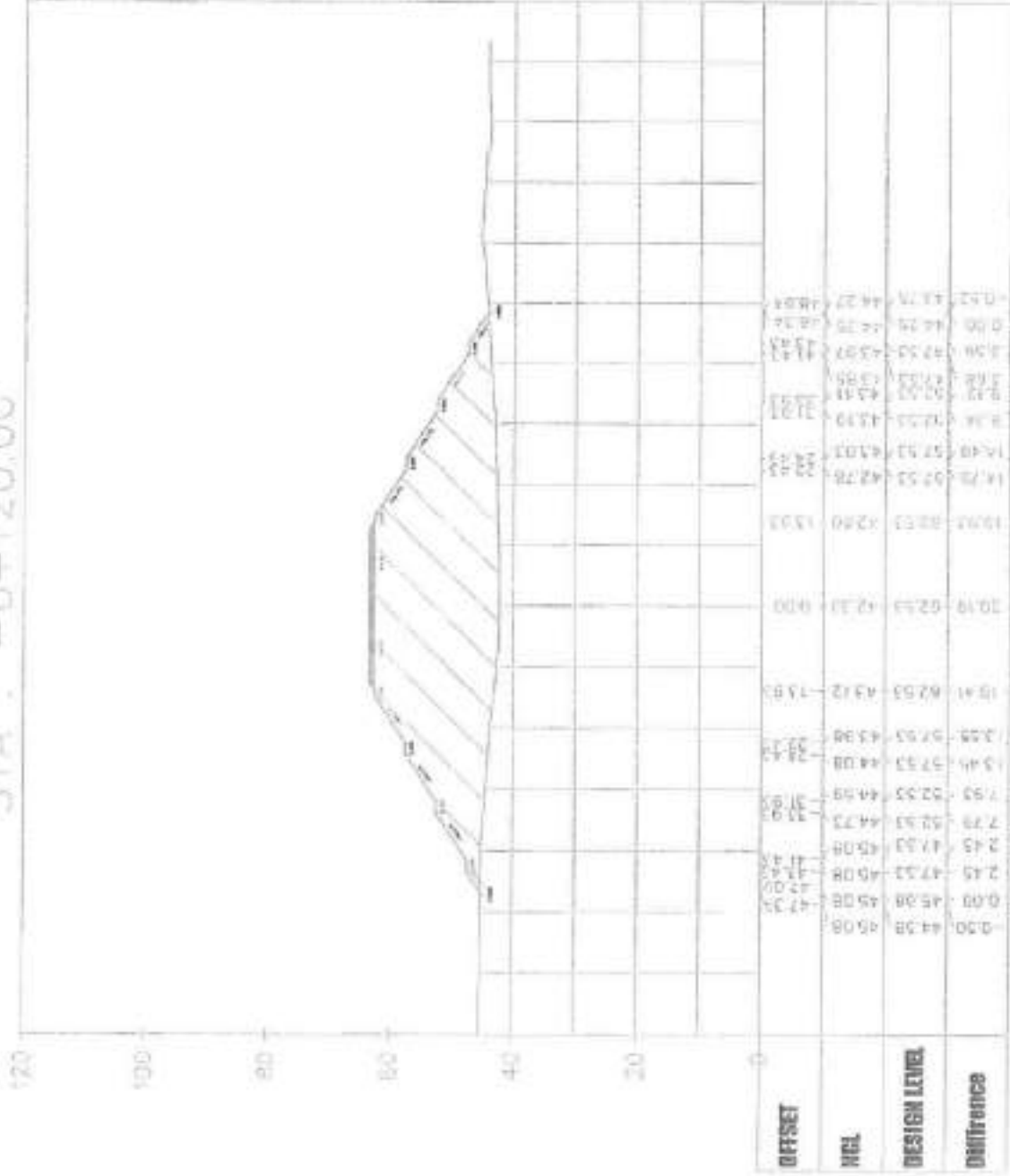
مراجعة

محمد كرا

شهادة استلام
الميزانية الشبكية
من شركة الفرحان بيريل الشام
تاريخ: ١١ / ١١ / ٢٠٢٣

الخبر ساهان
تشاء الخليل والملاحة والبحري

STA : -0+120.00



S.P : -0+120.00	
S.P	
Volume	235.15 m3
Cum Vol	354.10 m3

F.T : -0+120.00	
F.T	
Volume	6.00 m3
Cum. Vol.	9.00 m3



ملاحظات:
1- تم إعداد هذا المخطط الهندسي بناءً على البيانات الواردة في المخطط الهندسي المقدم.
2- تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.
3- تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.
4- تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.
5- تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

Legend :

محطة الضخ
محطة الضخ
محطة الضخ

نوع الخط	السمك	اللون
خط الحدود	1.00	أزرق
خط الحدود	1.00	أزرق
خط الحدود	1.00	أزرق
خط الحدود	1.00	أزرق
خط الحدود	1.00	أزرق

تم إعداد هذا المخطط الهندسي بناءً على البيانات الواردة في المخطط الهندسي المقدم.

تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

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تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

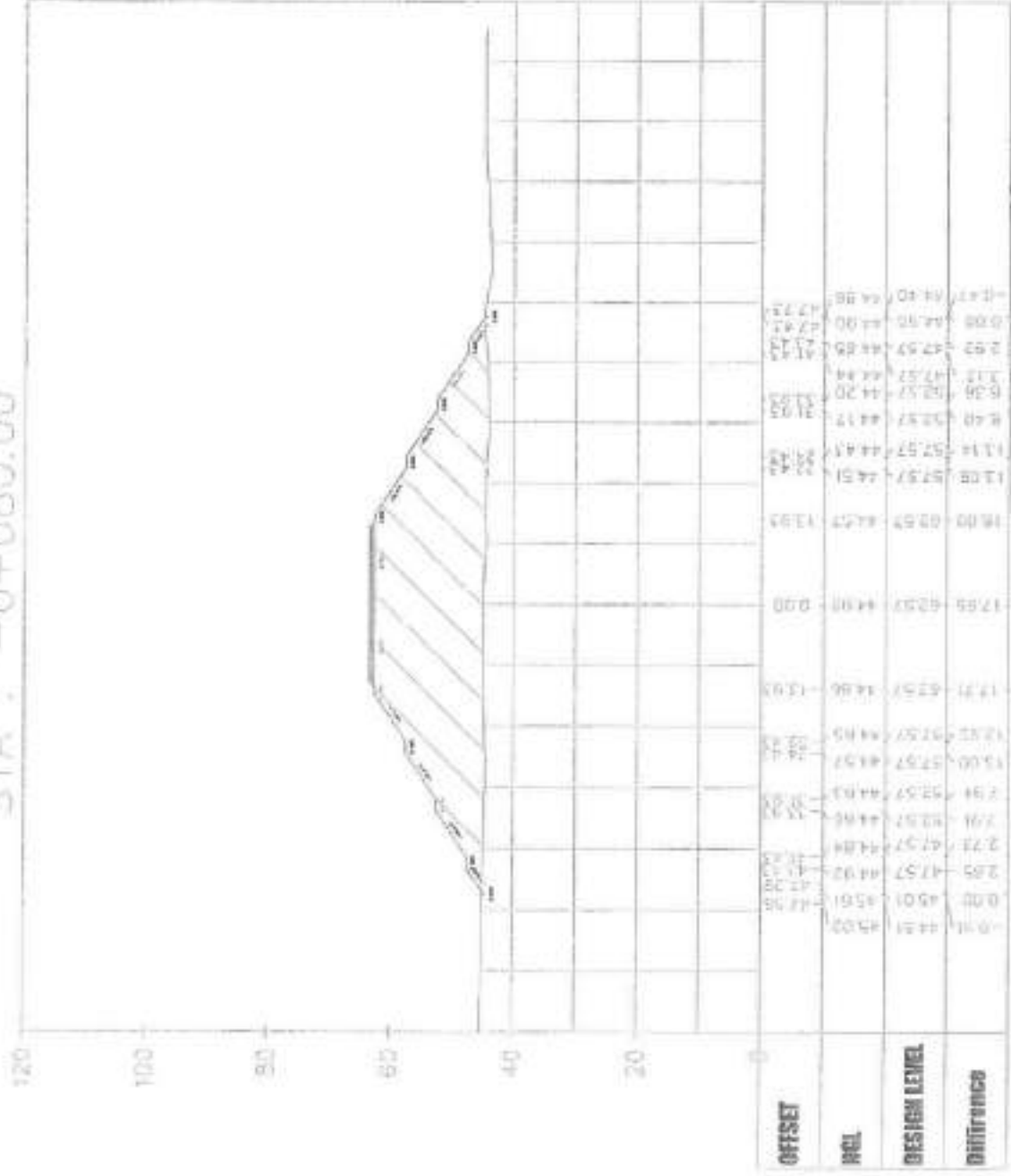
تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

تم إجراء جميع الحسابات باستخدام برنامج AutoCAD 2013.

STA : -0+080.00



S.P : -0+080.00	
S.P	
Volume	230.51 m3
Cum Vol	815.55 m3

FT : -0+080.00	
F.T	
Volume	6.00 m3
Cum. Vol.	21.00 m3



Sheet

ملاحظات:

1- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

2- تم التحقق من دقة البيانات الواردة في ملف المخطط.

3- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

4- تم التحقق من دقة البيانات الواردة في ملف المخطط.

5- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

6- تم التحقق من دقة البيانات الواردة في ملف المخطط.

7- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

8- تم التحقق من دقة البيانات الواردة في ملف المخطط.

9- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

10- تم التحقق من دقة البيانات الواردة في ملف المخطط.

ملاحظات:

1- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

2- تم التحقق من دقة البيانات الواردة في ملف المخطط.

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8- تم التحقق من دقة البيانات الواردة في ملف المخطط.

9- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

10- تم التحقق من دقة البيانات الواردة في ملف المخطط.

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1- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

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3- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

4- تم التحقق من دقة البيانات الواردة في ملف المخطط.

5- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

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10- تم التحقق من دقة البيانات الواردة في ملف المخطط.

ملاحظات:

1- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

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3- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

4- تم التحقق من دقة البيانات الواردة في ملف المخطط.

5- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

6- تم التحقق من دقة البيانات الواردة في ملف المخطط.

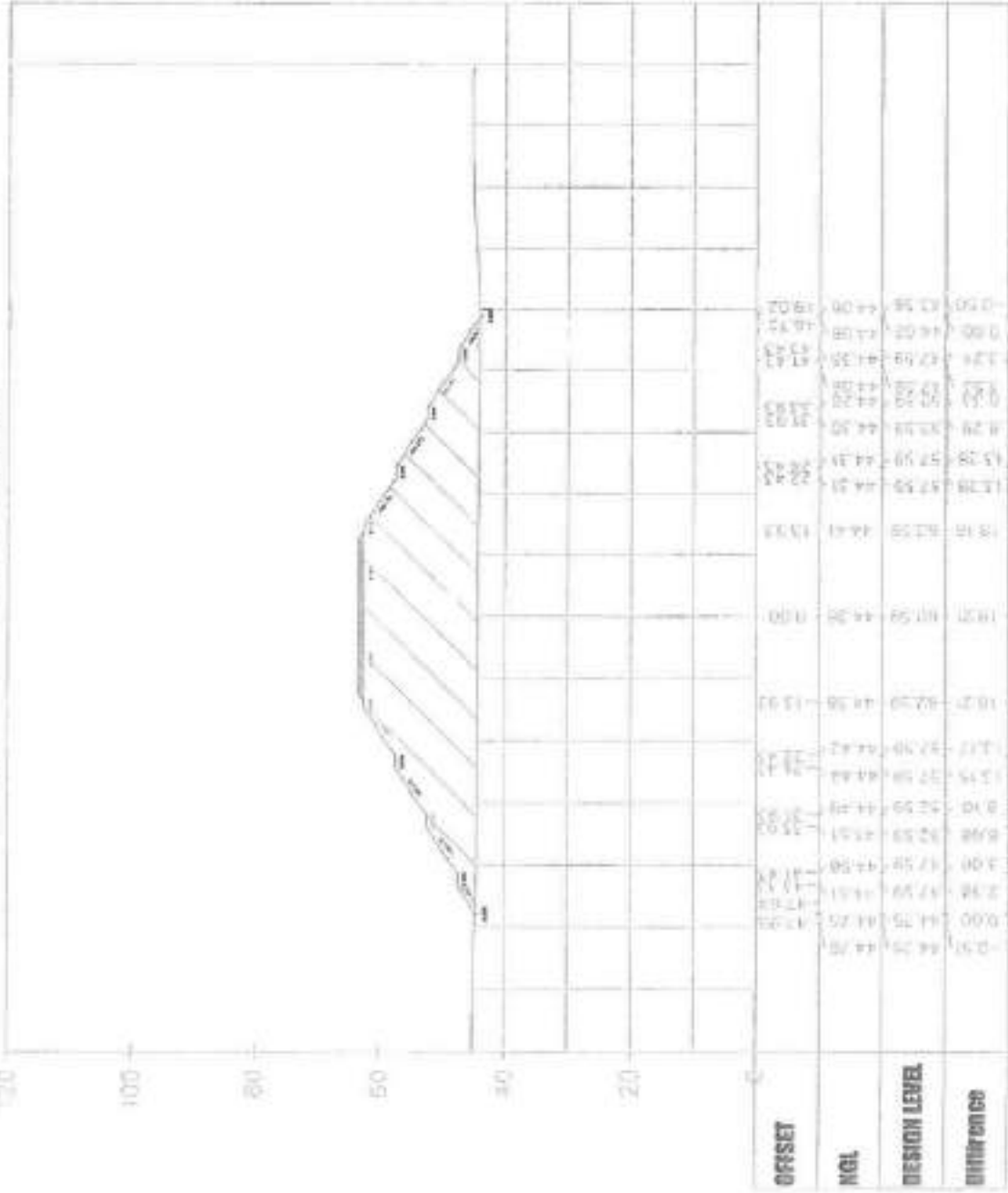
7- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

8- تم التحقق من دقة البيانات الواردة في ملف المخطط.

9- تم إعداد هذا المخطط بناءً على البيانات الواردة في ملف المخطط.

10- تم التحقق من دقة البيانات الواردة في ملف المخطط.

STA : -0+060.00



S.P: -0+060.00

S.P

Volume 233.60 m3

Cum Vol 1,050.16 m3

FT: -0+060.00

F.T

Volume 6.00 m3

Cum. Vol. 27.00 m3

Legend:

ساحة السور الحالية
SI
SI

رقم	الوصف	ملاحظات
1	مادة الحشو	مادة الحشو
2	مادة الحشو	مادة الحشو
3	مادة الحشو	مادة الحشو

ملاحظات: 1- تم إجراء العمل في الموقع في 12/01/2013

2- تم إجراء العمل في الموقع في 12/01/2013

3- تم إجراء العمل في الموقع في 12/01/2013

4- تم إجراء العمل في الموقع في 12/01/2013

5- تم إجراء العمل في الموقع في 12/01/2013

6- تم إجراء العمل في الموقع في 12/01/2013

7- تم إجراء العمل في الموقع في 12/01/2013

8- تم إجراء العمل في الموقع في 12/01/2013

9- تم إجراء العمل في الموقع في 12/01/2013

10- تم إجراء العمل في الموقع في 12/01/2013

11- تم إجراء العمل في الموقع في 12/01/2013

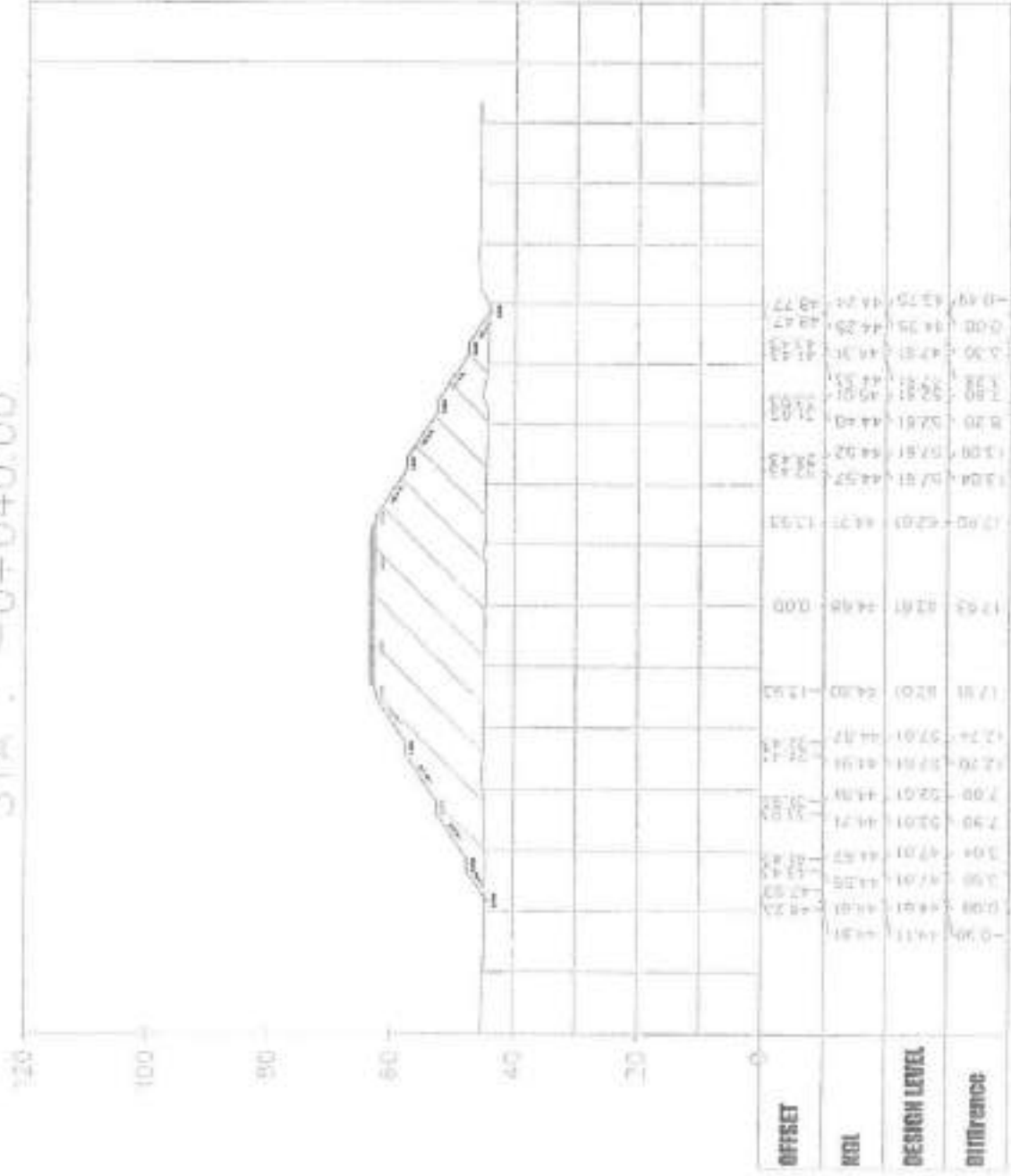
12- تم إجراء العمل في الموقع في 12/01/2013

13- تم إجراء العمل في الموقع في 12/01/2013

14- تم إجراء العمل في الموقع في 12/01/2013

15- تم إجراء العمل في الموقع في 12/01/2013

STA : -0+040.00



S.P : -0+040.00

S.P

Volume 236.76 m3

Cum Vol 1,236.92 m3

FT : -0+040.00

F.T

Volume 6.00 m3

Cum. Vol. 33.00 m3



Handwritten signature

هذا المخطط هو جزء من مشروع كبير
ويحتوي على معلومات تقنية مهمة
يجب التعامل معه بحرص شديد
وعدم السماح لأي شخص غير
مصرح به بالتدخل في محتوياته
أو تعديلها بأي شكل من الأشكال
إلا بعد موافقة المهندس المسؤول
عن المشروع.

توقيع:

Dr. Abdul Aziz Al-Faraj
مهندس

الاسم	المسمى	التوقيع
المهندس	المسؤول	
المهندس	المساعد	
المهندس	المساعد	

هذا المخطط هو جزء من مشروع كبير
ويحتوي على معلومات تقنية مهمة
يجب التعامل معه بحرص شديد
وعدم السماح لأي شخص غير
مصرح به بالتدخل في محتوياته
أو تعديلها بأي شكل من الأشكال
إلا بعد موافقة المهندس المسؤول
عن المشروع.



Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. *E-A1.1*

1. Surveying works (Levels, coordinates & NO. of berms) are inspected and approved by GARB consultant. (IR copy is attached)
2. Formworks were approved by GARB consultant (EL-RAEID), all comments to be implemented.
3. Work may proceed.

ENG: Mohamed Saad



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work mentioned below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company																	
Issued by Contractor	Name	Sign	Date	Time																	
	Hamdy Zakaria		14.12.2023																		
Contractor UIR Reference	18.5 - A 1.1			Revision																	
Received by ER		UIR	<table border="1"> <tr> <td>D1</td> <td>D2</td> <td>D3</td> <td>D4</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			D1	D2	D3	D4	MM	YY	HH	MM								
D1	D2	D3	D4	MM	YY	HH	MM														
CODE-1 S1 to S21 Station Reference		CODE-1 D1 to D3 Depth Reference		CODE-1 Kp XXX For Kilometer point only																	
				CODE-2 Work Activity																	
				CODE-3 Sub Element of Activity																	

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
-0+150 to 0+000	-0+150 to 0+000	superfeet + S, "L"
Inspection Description :		
Formworks for slope protection work		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☐
Drawing Reference	ITP Reference	MS Reference	

Comments by: El-Raed

- Bank notes are acceptable
- works may proceed

Comments by: Syara

Comment attached

INSPECTION RESULT

Organisation	Name	Sign	Désignation	Date	Time	Approval Status	Please Tick if Not Attend
Contractor Construction	Hamdy Zakaria			14.12.2023		A	
Contractor QA/QC				14.12		A	
GARB							
Employer Representative				14.12.2023			

RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company			Designer Company*	DR. Hassan Mahdy (H.M.C)				
Issued by Contractor	Name Hamdy Zakaria	Sign 	Date 13/11/2023	Time				
Contractor UIR Reference	SR.13 : A1.1							
Received by ER		UIR	<table border="1"> <tr> <td>C2</td> <td>C3</td> </tr> <tr> <td>10</td> <td>50/10</td> </tr> </table>		C2	C3	10	50/10
C2	C3							
10	50/10							
CODE -1	CODE -1	CODE -1	CODE -2	CODE -3				

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
-3+150 to 0+000	0-150 to 0+000	As-built

Inspection Description:

We request your attendance to inspect these coordinates for slope protection from St -U+150 to St 0+000 as attached

INSPECTION DETAILS The Following will be ready at the Planned Inspection time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	Surveying sheets (Master sheet + Cross sections + Width sheets)		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: [GARB SURVEY CONSULTANT (XYZ)]

SURVEYING WORKS (LEVELS - CORRDENATS- WIDTH) ARE INSPECTED AND FOUND :

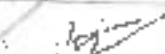
WORKS MAY :

NAME: 

Comments by: GENERAL CONSULTANT (SYSTRA)



INSPECTION RESULT

Organisation	Name	Sign	Date	Approval Status	Planned Risk
Contractor (H.M.C)	Hamdy Zakaria		13/11/2023	Approved	Low
Contractor (XYZ)			14/11/2023	Approved	Low
Contractor (H.M.C)			14/11/2023	Approved	Low
Contractor (H.M.C)			14/11/2023	Approved	Low

* Designer

File Name: COVER

محضر استلام الميزانية الشبكية من الشركات المنفذة

تاريخ 13 / 11 / 2023

سم المشروع : مشروع القطر السريع (العين السفينة - العامين)

قامت شركة اكس واي زد (XYZ) للأصناف المسلحة (استشاري لأعمال المسلحة لهيئة الطرق والمكبري) باستلام الميزانية الشبكية من شركة الخريجات

من المبلغ رقم ٥٩٥٥٠ إلى النسخة رقم :
بأنه سيتم بموجب ان يتم تنفيذها قبل الإغلاق:

- يتم استلام البيانات مع الانتهاء من الرصد مباشرة من الجهاز المستخدم بأي صيغة (RAW DATA)

- يتم اعتماد طريقة الميزانية المنتظمة و المتقدمة فقط في مشروع القطر الكهربائي السريع.

- يتم اخذ الارصاف والميزانيات المرفوعة بأجهزة مقبوضة ولها شهادات معايرة ملصقة حديثة فقط لا تقل مدة لآخر معايرة للجهاز عن 3 اشهر.

- يتم مراجعة شهادات المعايرة مع الفوتوكوب بشكل مباشر وفي حالة ظهور شهادة مزورة يتم استبعاد الجهاز والشخص المسؤول فوراً.

- يجب ان يكون اللذان باعصل الميزانية من المتخصصين في مجال المساحة وله خبرة مناسبة.

- تتم مطابقة واستلام الاعمال في الموقع وفي حالة عدم مطابقة المفسوب في اكثر من 4 اماكن موزعين على المنطقة لا يعتد بالميزانية لشبكية وتم اعانة رسدها.

ملاحظات:

تمت الميزانية قبل انك حوالة جابله (امريه)
(حجم ابي ر) شركة المرحله بديل الميزانية

مهندس البنية

استشاري المشروع

استشاري المساحة

مهندس الشركة المنفذة

مصادق

مصادق

محمد كتر

11/11

مصادق
مصادق
مصادق

الخريجات
الطرق و المتولات

1

100

Year	1990	1991	1992
1990	1990	1991	1992

Offset	MGL	Design Level	Difference
0.00	44.73	45.23	-0.50
0.00	45.23	45.23	0.00
2.35	45.56	45.20	0.36
2.43	47.55	45.12	2.43
7.94	52.35	44.60	7.74
8.58	52.35	44.47	7.88
13.45	57.35	44.10	13.25
13.94	57.35	44.01	13.94
19.33	62.55	43.22	19.33
19.88	62.55	42.67	19.88
14.87	57.35	42.88	14.87
22.43	57.35	42.74	22.43
14.81	57.55	42.74	14.81
7.86	52.35	44.69	7.86
7.55	52.35	44.66	7.55
3.06	47.55	44.49	3.06
3.09	47.55	44.45	3.09
0.00	44.67	44.67	0.00
-0.54	44.17	44.71	-0.54

S.P. : -0+100.00	
S.P.	
Volume	231.95 m3
Cum Val	536.05 m3

FT: -0+100.00	
F.T	
Volume	6.00 m3
Cum. Vol.	15.00 m3

17 DEC 1980

ed-

[illegible][illegible]

Offset	NEL	Design Level	Difference
0.00	45.01	45.01	0.00
2.05	42.57	44.92	2.35
4.10	42.57	44.94	2.37
6.15	42.57	44.60	2.03
8.20	42.57	44.60	2.03
10.25	42.57	44.57	1.90
12.30	42.57	44.56	1.99
14.35	42.57	44.57	2.00
16.40	42.57	44.57	2.00
18.45	42.57	44.57	2.00
20.50	42.57	44.57	2.00
22.55	42.57	44.57	2.00
24.60	42.57	44.57	2.00
26.65	42.57	44.57	2.00
28.70	42.57	44.57	2.00
30.75	42.57	44.57	2.00
32.80	42.57	44.57	2.00
34.85	42.57	44.57	2.00
36.90	42.57	44.57	2.00
38.95	42.57	44.57	2.00
41.00	42.57	44.57	2.00
43.05	42.57	44.57	2.00
45.10	42.57	44.57	2.00
47.15	42.57	44.57	2.00
49.20	42.57	44.57	2.00
51.25	42.57	44.57	2.00
53.30	42.57	44.57	2.00
55.35	42.57	44.57	2.00
57.40	42.57	44.57	2.00
59.45	42.57	44.57	2.00
61.50	42.57	44.57	2.00
63.55	42.57	44.57	2.00
65.60	42.57	44.57	2.00
67.65	42.57	44.57	2.00
69.70	42.57	44.57	2.00
71.75	42.57	44.57	2.00
73.80	42.57	44.57	2.00
75.85	42.57	44.57	2.00
77.90	42.57	44.57	2.00
79.95	42.57	44.57	2.00
82.00	42.57	44.57	2.00
84.05	42.57	44.57	2.00
86.10	42.57	44.57	2.00
88.15	42.57	44.57	2.00
90.20	42.57	44.57	2.00
92.25	42.57	44.57	2.00
94.30	42.57	44.57	2.00
96.35	42.57	44.57	2.00
98.40	42.57	44.57	2.00
100.45	42.57	44.57	2.00
102.50	42.57	44.57	2.00
104.55	42.57	44.57	2.00
106.60	42.57	44.57	2.00
108.65	42.57	44.57	2.00
110.70	42.57	44.57	2.00
112.75	42.57	44.57	2.00
114.80	42.57	44.57	2.00
116.85	42.57	44.57	2.00
118.90	42.57	44.57	2.00
120.95	42.57	44.57	2.00
123.00	42.57	44.57	2.00
125.05	42.57	44.57	2.00
127.10	42.57	44.57	2.00
129.15	42.57	44.57	2.00
131.20	42.57	44.57	2.00
133.25	42.57	44.57	2.00
135.30	42.57	44.57	2.00
137.35	42.57	44.57	2.00
139.40	42.57	44.57	2.00
141.45	42.57	44.57	2.00
143.50	42.57	44.57	2.00
145.55	42.57	44.57	2.00
147.60	42.57	44.57	2.00
149.65	42.57	44.57	2.00
151.70	42.57	44.57	2.00
153.75	42.57	44.57	2.00
155.80	42.57	44.57	2.00
157.85	42.57	44.57	2.00
159.90	42.57	44.57	2.00
161.95	42.57	44.57	2.00
164.00	4		

S.P. :- 0+080.00	
S.P	
Volume	230.51 m3
Cum Vol	316.56 m3

FT: -0+080.00	
F.T	
Volume	6.00 m3
Cum. Vol.	21.00 m3

[illegible]

redoubt

المادة 10: لا يجوز للمدينين التمتع بامتيازات أو إعفاءات أو تخفيضات في الضرائب أو الرسوم أو في أي شكل من أشكال التكاليف المترتبة عليهم، ولا يجوز لهم التمتع بأي شكل من أشكال الإعفاءات أو التخفيضات في الضرائب أو الرسوم أو في أي شكل من أشكال التكاليف المترتبة عليهم، ولا يجوز لهم التمتع بأي شكل من أشكال الإعفاءات أو التخفيضات في الضرائب أو الرسوم أو في أي شكل من أشكال التكاليف المترتبة عليهم.

[illegible][illegible]

DIFFERENCE	DESIGN LEVEL	MCL	OFFSET
-0.50	41.50	41.00	0.50
0.00	41.00	41.00	0.00
0.20	40.80	40.60	0.20
0.25	40.75	40.50	0.25
0.30	40.70	40.40	0.30
0.35	40.65	40.30	0.35
0.40	40.60	40.20	0.40
0.45	40.55	40.10	0.45
0.50	40.50	40.00	0.50
0.55	40.45	39.90	0.55
0.60	40.40	39.80	0.60
0.65	40.35	39.70	0.65
0.70	40.30	39.60	0.70
0.75	40.25	39.50	0.75
0.80	40.20	39.40	0.80
0.85	40.15	39.30	0.85
0.90	40.10	39.20	0.90
0.95	40.05	39.10	0.95
1.00	40.00	39.00	1.00
1.05	39.95	38.90	1.05
1.10	39.90	38.80	1.10
1.15	39.85	38.70	1.15
1.20	39.80	38.60	1.20
1.25	39.75	38.50	1.25
1.30	39.70	38.40	1.30
1.35	39.65	38.30	1.35
1.40	39.60	38.20	1.40
1.45	39.55	38.10	1.45
1.50	39.50	38.00	1.50
1.55	39.45	37.90	1.55
1.60	39.40	37.80	1.60
1.65	39.35	37.70	1.65
1.70	39.30	37.60	1.70
1.75	39.25	37.50	1.75
1.80	39.20	37.40	1.80
1.85	39.15	37.30	1.85
1.90	39.10	37.20	1.90
1.95	39.05	37.10	1.95
2.00	39.00	37.00	2.00
2.05	38.95	36.90	2.05
2.10	38.90	36.80	2.10
2.15	38.85	36.70	2.15
2.20	38.80	36.60	2.20
2.25	38.75	36.50	2.25
2.30	38.70	36.40	2.30
2.35	38.65	36.30	2.35
2.40	38.60	36.20	2.40
2.45	38.55	36.10	2.45
2.50	38.50	36.00	2.50
2.55	38.45	35.90	2.55
2.60	38.40	35.80	2.60
2.65	38.35	35.70	2.65
2.70	38.30	35.60	2.70
2.75	38.25	35.50	2.75
2.80	38.20	35.40	2.80
2.85	38.15	35.30	2.85
2.90	38.10	35.20	2.90
2.95	38.05	35.10	2.95
3.00	38.00	35.00	3.00
3.05	37.95	34.90	3.05
3.10	37.90	34.80	3.10
3.15	37.85	34.70	3.15
3.20	37.80	34.60	3.20
3.25	37.75	34.50	3.25
3.30	37.70	34.40	3.30
3.35	37.65	34.30	3.35
3.40	37.60	34.20	3.40
3.45	37.55	34.10	3.45
3.50	37.50	34.00	3.50
3.55	37.45	33.90	3.55
3.60	37.40	33.80	3.60
3.65	37.35	33.70	3.65
3.70	37.30	33.60	3.70
3.75	37.25	33.50	3.75
3.80	37.20	33.40	3.80
3.85	37.15	33.30	3.85
3.90	37.10	33.20	3.90
3.95	37.05	33.10	3.95
4.00	37.00	33.00	4.00
4.05	36.95	32.90	4.05
4.10	36.90	32.80	4.10
4.15	36.85	32.70	4.15
4.20	36.80	32.60	4.20
4.25	36.75	32.50	4.25
4.30	36.70	32.40	4.30
4.35	36.65	32.30	4.35
4.40	36.60	32.20	4.40
4.45	36.55	32.10	4.45
4.50	36.50	32.00	4.50
4.55	36.45	31.90	4.55
4.60	36.40	31.80	4.60
4.65	36.35	31.70	4.65
4.70	36.30	31.60	4.70
4.75	36.25	31.50	4.75

S.P. : -0+050.00	
S.P	
Volume	233.60 m3
Cum Val	1,050.16 m3

FT: -3+050.00	
F.T	
Volume	6.00 m3
Cum. Vol.	27.00 m3

Differences

[illegible]

2014

[illegible]

Legend:

مراجعة المصروفات المالية

رقم	تاريخ التوقيع	ملاحظات
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Group	Mean	SD
Group 1	1.1	0.1
Group 2	1.1	0.1

項目	2014年度		2013年度
	売上高	営業利益	
売上高	1,000,000	100,000	950,000
営業利益	100,000	10,000	90,000

S.P. : -0+040.00	
S.P.	
Volume	236.76 m ³
Cum Vol	1,235.92 m ³

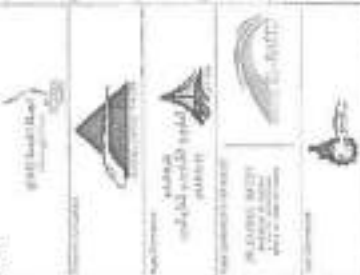
FT : -0+040.00	
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Volume	6.00 m ³
Cum. Vol.	33.00 m ³

— 110 —

Temperature	$h_{\text{eff}} = 1.2 \times 10^{-3} \text{ m}$ $\rho = 1000 \text{ kg m}^{-3}$
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Hand No.	Hand No. 2020	Hand No. 2021
Hand No. 2020	Hand No. 2021	Hand No. 2022

Source: *U.S. Census Bureau, Current Population Reports, 1990*



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Journal of
Sociology
30(1) 1-10
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Group, Inc.
10.1177/002206619603000101

[illegible]

Differences



FT : -0+020.00	
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Volume	6.00 m3
Cum. Vol.	39.00 m3

62

1	1000000	1000000
2	1000000	1000000

المجلة الدولية لدراسات الطفولة، ٢٠١٤، ١١ (١)، ١٠١-١١٤



Advertisement

[illegible]

Simon, David
1501 1st St. N.
St. Paul, MN 55109

[illegible][illegible]

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Offset	NCL	Design Level	Difference
0.00	45.14	45.14	0.00
2.50	47.65	45.12	2.53
5.00	47.65	45.07	2.58
7.50	52.55	45.02	7.53
10.00	52.55	45.13	7.42
12.50	52.65	45.19	7.46
15.00	52.65	45.18	7.47
17.50	52.65	44.87	7.78
20.00	52.65	44.84	7.81
22.50	52.65	45.50	7.15
25.00	52.65	47.44	5.21
27.50	52.65	47.31	5.34
30.00	52.65	46.97	5.68
32.50	52.65	46.91	5.74
35.00	52.65	46.99	5.66
37.50	52.65	46.94	5.71
40.00	52.65	46.91	5.74
42.50	52.65	46.91	5.74
45.00	52.65	46.91	5.74
47.50	52.65	46.91	5.74
50.00	52.65	46.91	5.74
52.50	52.65	46.91	5.74
55.00	52.65	46.91	5.74
57.50	52.65	46.91	5.74
60.00	52.65	46.91	5.74
62.50	52.65	46.91	5.74
65.00	52.65	46.91	5.74
67.50	52.65	46.91	5.74
70.00	52.65	46.91	5.74
72.50	52.65	46.91	5.74
75.00	52.65	46.91	5.74
77.50	52.65	46.91	5.74
80.00	52.65	46.91	5.74
82.50	52.65	46.91	5.74
85.00	52.65	46.91	5.74
87.50	52.65	46.91	5.74
90.00	52.65	46.91	5.74
92.50	52.65	46.91	5.74
95.00	52.65	46.91	5.74
97.50	52.65	46.91	5.74
100.00	52.65	46.91	5.74

FT : 3+000.00	
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Volume	6.00 m3
Cum. Vol.	45.00 m3

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المادة 1:

20: المادة 1 من القانون

40: المادة 1 من القانون

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المادة ١٠: لا يجوز للمحكمة أن تصدر حكمًا بغير التمسك بالبرهان.

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
 $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$
 $\frac{1}{16} \times \frac{1}{16} = \frac{1}{256}$



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Parameter	Symbol	Unit
Age	A	yr
Height	H	m
Weight	W	kg
Body mass index	BM	kg/m ²
Body fat percentage	BF	%
Heart rate	HR	beats/min
Stroke volume	SV	L
Cardiac output	CO	L/min
Mean arterial pressure	MAP	mmHg
Systolic blood pressure	SBP	mmHg
Diastolic blood pressure	DBP	mmHg
Pulse pressure	PP	mmHg
Heart rate variability	HRV	ms
Respiratory rate	RR	breaths/min
Tidal volume	TV	L
Minute ventilation	VE	L/min
Functional residual capacity	FRC	L
Total lung capacity	TLC	L
Dead space volume	VD	L
Alveolar ventilation	VA	L/min
Partial pressure of oxygen	PO ₂	mmHg
Partial pressure of carbon dioxide	PCO ₂	mmHg
Arterial oxygen saturation	SO ₂	%
Arterial carbon dioxide saturation	SCO ₂	%
Alveolar oxygen partial pressure	PAO ₂	mmHg
Alveolar carbon dioxide partial pressure	PACO ₂	mmHg
Alveolar-arterial oxygen gradient	A-aO ₂	mmHg
Alveolar-arterial carbon dioxide gradient	A-aCO ₂	mmHg
Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg
Arterial-venous carbon dioxide difference	ACO ₂ -VCO ₂	mmHg
Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg
Arterial-venous carbon dioxide difference	ACO ₂ -VCO ₂	mmHg
Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
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Arterial-venous carbon dioxide difference	ACO ₂ -VCO ₂	mmHg
Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg
Arterial-venous carbon dioxide difference	ACO ₂ -VCO ₂	mmHg
Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
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Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg
Arterial-venous carbon dioxide difference	ACO ₂ -VCO ₂	mmHg
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Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg
Arterial-venous carbon dioxide difference	ACO ₂ -VCO ₂	mmHg
Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg
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Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg
Arterial-venous carbon dioxide difference	ACO ₂ -VCO ₂	mmHg
Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg
Arterial-venous carbon dioxide difference	ACO ₂ -VCO ₂	mmHg
Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg
Arterial-venous carbon dioxide difference	ACO ₂ -VCO ₂	mmHg
Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg
Arterial-venous carbon dioxide difference	ACO ₂ -VCO ₂	mmHg
Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg
Arterial-venous carbon dioxide difference	ACO ₂ -VCO ₂	mmHg
Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg
Arterial-venous carbon dioxide difference	ACO ₂ -VCO ₂	mmHg
Alveolar ventilation-perfusion ratio	VA/Q	L/min/kg
Arterial-venous oxygen difference	AO ₂ -VO ₂	mmHg

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. F5-A-11

1. Surveying works (Levels, coordinates & NO. of berms) are inspected and approved by GARB consultant. (IR copy is attached)
2. Formworks were approved by GARB consultant (EL-RAEID), all comments to be implemented.
3. Work may proceed.

ENG: Mohamed Saad



REQUEST to POUR CONCRETE



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company			Designer Company*																	
Issued by Contractor	Name Hamdy Zakaria	Sign 	Date 16.12.2023	Time																
Contractor UIR Reference	A1.1)																			
Received by ER			UIR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>OD</td> <td>VM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	C1	C2	C3	OD	VM	YY	HH	MM								
C1	C2	C3	OD	VM	YY	HH	MM													

CODE -1	CODE -1	CODE -1	CODE -2	CODE -3
---------	---------	---------	---------	---------

EXPLANATION OF WORK TO BE INSPECTED		
AREA	Element	Item
-0+150 To 0+000	From ST -0+150 to ST-0+000	Bench
		Slope: 1
	Total Pouring M3	220 m ³
Inspection Description: • Concrete pouring for slope protection works		Side: L
		Supplier:

INSPECTION DETAILS The following will be ready at the Planned Inspection time	
Planned Inspection Date	Planned inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate			
Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	(Reports)		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (ELRAEID CONSULTANT ENGINEER)	Comments by: GENERAL CONSULTANT (SYSTRA)
- spraying water before pouring - have cubes for testing - curing concrete with poly	
NAME: Ghaleb Ana'	

INSPECTION RESULT				
Organisation	Name	Sign	Date	Time
Contractor Engineer	Hamdy Zakaria		16.12.2023	
Contractor QA/QC*				
Contractor Consultant	Ghaleb Ana'		16/12/2023	
GARS**				
Employers Representative	Mohamed Samir		16/12/2023	Awc



E-Fordan from St. 40+150 to St. 0+000											
Left				St.	Right						
				-0+150							
				-0+144							
				-0+135							
				-0+126							
				-0+117							
				-0+108							
				-0+099							
				-0+090							
				-0+081							
				-0+072							
				-0+063							
				-0+054							
				-0+045							
				-0+036							
				-0+027							
				-0+018							
				-0+009							
				-0+000							

GB International ReadyMix

Product No: 7389
Concrete Class: 250-300-ثريسي
Quantity: 10,00
Customer: 0
Tax Office:
Chantier:
Chantier Address:

Delivery Note: A1006775 16.12.2023 16:09:24
Customer Address:
Tax No:
Service:
Transmixer: 8353
Driver Name: شريف حلمي

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8.204	0,05%	%2
AGR 1	610	6100	6.102	0,03%	%2
AGR 2	500	5000	5.002	0,04%	%2
WATER	180	1800	1.801	0,05%	%1
Sika	0	0	0	0,00%	%3
R4PN....	0	0	0,00	0,00%	%3
R4PN	5	50	50,09	0,18%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	0	0	0	0,00%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	300	3000	3.001	0,03%	%1
TOTALS:	2415,00	24150,00			

Operator: MAHMOUD

Delivered by: شريف حلمي

Delivered to:

GB International ReadyMix

Delivery Note

A1006766

16.12.2023 12:56:47

Product No: 7380

Concrete Class: 250-300-كـ.م.م

Quantity: 10.00

Customer 0

Tax Office:

Chanter:

Chanter Address:

Customer Address:

Tax No:

Service:

Translexer:

8353

Driver Name: كـ.م.م

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0.00	0.00%	%2
SAND	820	8200	8,211	0.13%	%2
AGR 1	610	6100	6,106	0.10%	%2
AGR 2	500	5000	5,006	0.12%	%2
WATER	180	1800	1,802	0.11%	%1
Sluka	0	0	0	0.00%	%3
RAPN...	0	0	0	0.00%	%3
RAPN	0	0	0.00	0.00%	%3
RAPN	6	50	50.26	0.50%	%3
OPC 1	0	0	0	0.00%	%1
OPC 2	0	0	0	0.00%	%1
OPC 3	0	0	0	0.00%	%1
OPC 4	300	3000	3,003	0.10%	%1
TOTALS:	2415.00	24150.00			

Operator: MAHMOUD

Delivered by: كـ.م.م

Delivered to:

GB International ReadyMix

Product No: 7375
 Concrete Class: 250-300-الجرم
 Quantity: 10.00
 Customer: 0
 Tax Office:
 Chanter:
 Chanter Address:
 Delivery Note: A1006761
 Customer Address:
 Tax No:
 Service:
 Transmitter: 8353
 Driver Name: جريب جلي

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0.00	0.00%	%2
SAND	820	8200	8.204	0.06%	%2
AGR 1	610	6100	6.102	0.03%	%2
AGR 2	500	5000	5.002	0.04%	%2
WATER	180	1800	1.801	0.06%	%1
Suka	0	0	0	0.00%	%3
RAPN	0	0	0	0.00%	%3
RAPN	0	0	0.00	0.00%	%3
RAPN	5	60	50.11	0.22%	%3
OPC 1	0	0	0	0.00%	%1
OPC 2	0	0	0	0.00%	%1
CM1 3	0	0	0	0.00%	%1
OPC 4	300	3000	3.001	0.03%	%1
TOTALS:	2415.00	24150.00			

Operator: MAHMOUD
 Delivered by: جريب جلي
 Delivered to:

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0.00	0.00%	%2
SABD	820	7380	7.381	0.01%	%2
AGR 1	610	5490	5.491	0.02%	%2
AGR 2	500	4500	4.501	0.02%	%2
WATER	180	1620	1.620	0.00%	%1
SKA	0	0	0	0.00%	%3
R4PN	0	0	0.00	0.00%	%3
R4PN	0	0	0.00	0.00%	%3
R4PN	5	45	45.03	0.07%	%3
OPC 1	0	0	0	0.00%	%1
OPC 2	0	0	0	0.00%	%1
OPC 3	0	0	0	0.00%	%1
OPC 4	300	2700	2.700	0.00%	%1
TOTALS:	2415.00	21735.00			

Operator: MAHMOUD

Delivered by: *spallac*

Delivered to:

GB International ReadyMix

Product No: 7427
 Concrete Class: 250-300-الجر
 Quantity: 10.00
 Customer: 0
 Tax Office:
 Channel:
 Channel Address:
 Customer Address:
 Tax No:
 Service:
 Transmitter: 8348
 Driver Name:

Delivery Note
 A1006807
 17.12.2023 15:25:28

Material Name	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICB	0	0	0.00	0.00%	%2
Sand	820	8200	8.207	0.09%	%2
Agg 1	610	6100	6.103	0.05%	%2
Agg 2	500	5000	5.003	0.08%	%2
Water	180	1800	1.801	0.08%	%1
Silica	0	0	0	0.00%	%3
Retard	0	0	0.00	0.00%	%3
Pump	5	50	50.17	0.34%	%3
Crack 1	0	0	0	0.00%	%1
Crack 2	0	0	0	0.00%	%1
Crack 3	0	0	0	0.00%	%1
Crack 4	300	3000	3.002	0.07%	%1

Delivered by: **MAHMOUD**
 Delivered to:

GB International ReadyMix

Delivery Note

A1006800

17.12.2023 14:06:39

Product No: 7420

Concrete Class: 250-300-الجرى

Quantity: 10,00

Customer: 0

Tax Office:

Charlier:

Charlier Address:

Customer Address:

Tax No:

Service:

Transmitter:

Driver Name: 8348

Material Names	Formula	Total Required	Total Measurement	DIF (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8,209	0,13%	%2
AGR 1	610	6100	6,104	0,07%	%2
AGR 2	500	5000	5,004	0,08%	%2
WATER	180	1800	1,802	0,11%	%1
Silica	0	0	0	0,00%	%3
RAFNI...	0	0	0	0,00%	%3
RAFNI	0	0	0,00	0,00%	%3
RAFNI	5	50	50,22	0,44%	%3
CMII 1	0	0	0	0,00%	%1
OPC 2	0	0	0	0,00%	%1
CMII 3	0	0	0	0,00%	%1
OPC 4	300	3000	3,002	0,07%	%1
TOTALS:	2415,00	24150,00			

Operator: MAHMOUD

Delivered by: ج.ب

Delivered to:

GB International ReadyMix

Product No: 7408
 Concrete Class: 250-300
 Quantity: 10,00
 Customer: 0
 Tax Office:
 Chantier:
 Chantier Address:

Delivery Note: A1006790 17.12.2023 11:16:22
 Customer Address:
 Tax No:
 Service:
 Transmixon: 8353
 Driver Name: شريف حليمي

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8,202	0,02%	%2
AGR 1	810	8100	6,101	0,02%	%2
AGR 2	500	5000	5,001	0,02%	%2
WATER	180	1800	1,800	0,00%	%1
Silka	0	0	0	0,00%	%3
R4PN....	0	0	0,00	0,00%	%3
R4PN	5	50	50,05	0,10%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	0	0	0	0,00%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	300	3000	3,000	0,00%	%1
TOTALS:	2416,00	24150,00			

Operator: MAHMOUD

Delivered by: شريف حليمي

Delivered to:

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. PY-A1 1

1. Concrete Pouring Inspection was carried-out, Slump and temp. found acceptable.
2. Compressive strength of concrete cubes taken to comply with project specs.
3. Concrete plant to be approved by general consultant.
4. All concrete tests result to comply with project specs.
5. Concrete curing to be done as per project specs.
6. Control joints inspected and approved by GARB consultant (EL-RAEID).
7. Fiber MAR and MIR to be approved by GARB consultant and submitted to General consultant.
8. There is no typical sec. for drainage pipe.
9. Drainage pipe typical sec. to be approved and submitted.
10. Drainage pipe to be implemented and inspected in new IR.
11. Implementation of drainage pipes are contractor responsibility.
12. Alignment maintenance after slope protections is contractor responsibility.
13. Final approval is subject to submitting final inspection request with code A from GARB consultant.

ENG: Mohamed Saad

The Work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company							
											
Issued by Contractor	Name	Sign	Date				Time				
	Hamdy Zakana		4.12.2023								
Contractor UIR Reference	(F-4 A11)						Revision				
Received by ER		UIR	C1	C2	C3	DO	MM	YY	HH	MM	
CODE-1 S1 to S21 Station Reference		CODE-1 D1 to S3 Depot Reference		CODE-1 Rg XXX For Kilometer point only		CODE-2 Work Activity		CODE-3 Sub Element of Activity			

EXPLANATION OF WORK TO BE INSPECTED

Arab	Element	Item
-0+150 to 0+000	-0+150 to 0+000	S ₄ + lower fed R

Inspect on Description :

Framework for slope protection works

INSPECTION DETAILS The Following will be ready at the Panned Inspection Time

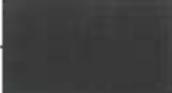
Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☐
Drawing Reference	ITP Reference	MS Reference	

Comments by: El-Raed Figures are computed well and come with water - work <u>may proceed</u>	Comments by: Systra Comments attached
--	---

INSPECTION RESULT

INSPECTION RESULT						Approval Status	Please Tick if Not Attend
Organisation	Name	Sign	Designation	Date	Time	A-AWC-R	
Contractor Construction	Hamdy Zakaria			4-12-2023		A	
Contractor QA/QC	Mohamed Zakaria			4-12		A	
GARB*							
Employer Representative	Mohamed Samir			4-12-2023		AAC	

RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	EL. FOR SAN		Designer Company*	DR. Hassan Mahdy (H.M.C)																			
Issued by Contractor	Name Hassan Mahdy	Sign Hassan Mahdy	Date 26-4-2023	Time																			
Contractor IIR Reference	1-AT-11																						
Received by ER	Mohamed Sa	UIR	<table border="1"> <tr> <td>01</td> <td>02</td> <td>03</td> <td>04</td> <td>05</td> <td>06</td> <td>07</td> <td>08</td> <td>09</td> <td>10</td> </tr> <tr> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> </tr> </table>	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
01	02	03	04	05	06	07	08	09	10														
11	12	13	14	15	16	17	18	19	20														
CODE -1	CODE -1	CODE -1	CODE -2	CODE -3																			

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
-0+150 to 0+100	-0+150 to 0+000	(the line) 150 to 100
<u>Inspection Description:</u> We request your attendance to inspect Points attached for the As-built		

INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as Indicated ☒
Other attachments	Surveying sheets (Master sheet + Cross sections + Width sheets)		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (GARB SURVEY CONSULTANT (XYZ))

-SURVEYING WORKS (LEVELS - COORDS-WIDTH)
Are inspected and found: acceptable
Work may Proceed

NAME: Mohamed Sa

Comments by: GENERAL CONSULTANT (SYSTRA)

Comment attached

INSPECTION RESULT						App. max Status	Please Tick if Not Attend
Organisation	Name	Sign	Date	Time			
Contractor Engineer	Hassan Mahdy	Hassan Mahdy	26-4-2023				
Contractor QV/QC*	XYZ	Mohamed Sa	26/4/2023	16:00			
GARB**	H.M.C	Mohamed Sa	27-4-2023				
Employers Representative	Mohamed Sa		27-4-2023				

* Designer

** Alignment & Bridges, Culverts Only



محضر استلام الميزانية الشبكية من الشركات المنفذة



التاريخ: 2023 / 9 / 26

اسم المشروع: مشروع لقطار السريع (المنطقة - العاصمة الإدارية)

قامت شركة ايس وفي زد (XYZ) للأصناف المساحية (استشاري الاصل المساحية لخدمة الطرق والجسور) باستلام الميزانية الشبكية من شركة / الفرع - من المحطة رقم ٥٠١ - ٥ في المحطة رقم ٥٠٥ - ٥٠٥
شود مهمة يجب ان يتم استلامها قبل الاستلام:

- يتم استلام البيانات بعد الانتهاء من الرصد منقولة من الجهاز المتكتم بأي صيغة (RAW DATA)
- يتم اعتماد طريقة الميزانية المنتظمة و المتقدمة فقط في مشروع القطار الكهربائي السريع.
- يتم اعتماد الارصاد والميزانيات المعروفة بلجهزة مفعومة ولها شهادات معايرة سارية حديثة فقط لا تقل مدة اخر معايرة للجهاز عن ٣ أشهر.
- يتم مراجعة شهادات المعايرة مع التوكيل بشكل مبشر وفي حالة ظهور شهادة مزورة يتم استبعاد الجهاز والشخص المسؤول فوراً.
- يجب ان يكون القائم باصلا الميزانية من المتخصصين في مجال المساحة وله خبرة مناسبة.
- يتم مطابقة واستلام الاصل في الموقع وفي حالة عدم مطابقة المنسوب في اكثر من ٤ اماكن موزعين على المنطقة، لا يقبل بالميزانية الشبكية وتتم اعادة رصدها.

ملاحظات :-

رفع ميزانية جيس امركل حيو جابني به يوم كرم قلماع خمر

مهندس الهيئة

استشاري المشروع
المساحة

استشاري المساحة
مرو

مهندس الشركة المنفذة

مهندس الشركة المنفذة
مهندس الشركة المنفذة
مهندس الشركة المنفذة

RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	D. Fokyan		Designer Company*	DR - Hassan Mandy (IIMC)
Issued by Contractor	Name	Sign	Date	Time
Contractor UIR Reference	Hassan Mandy	Hassan Mandy	8-10-2023	
Received by ER	Mohamed S. Elhachimi		SRJ 2: A/B	
		UR	01 02 03 04 05 06 07 08 09 10 11 12	
CODE 1	CODE 1	CODE 1	CODE 2	CODE 3

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
-D+100 to D+1000	-D+100 TO D+1000	
Inspection Description:		
Back filling of () UP To St. () layer ()		
We request your attendance to inspect these coordinates as attached		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	Surveying sheets (Master sheet + Cross sections + Width sheets)		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (GARB SURVEY CONSULTANT (XYZ))	Comments by: GENERAL CONSULTANT (SYSTRAN)
SURVEYING WORKS (LEVELS - CORRDENATS- WIDTH) ARE INSPECTED AND FOUND: acceptable	Comment: attached
WORKS MAY: Release	
NAME: Mohamed S. Elhachimi	

INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Phase Link
Contractor Engineer	Hassan Mandy	Hassan Mandy	8/10/2023		AWMCR	Not Approved
Contractor QA/QC	Hassan Mandy	Hassan Mandy	8/10/2023		AWMCR	Not Approved
GARB**	Hassan Mandy	Hassan Mandy	8/10/2023		AWMCR	Not Approved
Employers Representative	Mohamed S. Elhachimi	Mohamed S. Elhachimi	8/10/2023		AWMCR	Not Approved

* Designer

** Alignment: Bridges, Cavern, Only



محضر استلام الميزانية الشبكية من الشركات المنفذة



تاريخ: ٢٠٢٣/ ١٥/ ٨

اسم المشروع: مشروع المطار السريع (العين للستة - الطين)

للت شركة إكس واي زد (XYZ) للأصل المساحية (استلام الاعمال المساحية للطريق والتكوير) بخلتام الميزانية الشبكية

من شركة: **الغيا**

من المبلغ رقم: ٥٠١٥٠ - ٥٠٠٥٠

يكون مهمة نصيب أن يتم استلامها قبل الإكمال:

- يتم استلام البيانات بعد الانتهاء من الرصد موفرة من الجهاز (RAW DATA)
- يتم اعتماد طريقة الميزانية المتكاملة و المتقدمة فقط في مش.
- يتم اعتماد الأرصدة والميزانيات المرفوعة بالجهزة موفرة منها شهادات المعايرة صارية حديثة فقط لا تقل مدة اخر معايرة الجهاز عن 3 أشهر.
- يتم مراجعة تلك المعايرة مع التوكول بشكل دوري في حال وجود شهادات المعايرة يتم استبعاد للجهاز وللشخص المسؤول فوراً.
- يجب أن يكون القائم بأعمال الميزانية من المتخصصين في مجال المعايرة وله خبرة مناسبة.
- لدم مطابقة وإكمال الاعمال في المواقع وفي عدم مطابقة المعايرة في أكثر من 4 أماكن موزعين على المنطقة لا يستند بالميزانية الشبكية وتتم إعادة رصدها.

ملاحظات :-

دفع مبالغ حصة شركة (مترى)

مهندس اللجنة

استشاري المشروع

استشاري المساحة

مهندس الشركة المنفذة

مهندس المساحة

مهندس المساحة

مهندس المساحة



Offset	NOL	DESIGN LEVEL	Difference
0	45.23	45.23	-0.50
1	45.23	45.23	0.00
2	45.23	45.23	2.55
3	45.23	45.23	2.43
4	45.23	45.23	7.94
5	45.23	45.23	8.08
6	45.23	45.23	13.40
7	45.23	45.23	13.64
8	45.23	45.23	19.33
9	45.23	45.23	19.80
10	45.23	45.23	19.88
11	45.23	45.23	14.87
12	45.23	45.23	14.81
13	45.23	45.23	7.88
14	45.23	45.23	3.08
15	45.23	45.23	3.00
16	45.23	45.23	-0.58

S.P. : -0+100.00	
S.P	
Volume	231.95 m3
Cum Vol	536.05 m3

FT : -0+100.00	
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Volume	6.00 m3
Cum. Vol.	15.00 m3

[illegible]

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Order No.	Order Date	Order Qty	Order Price	Order Total
1000000000000000000	10/10/2023	1	1000000000000000000	1000000000000000000

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

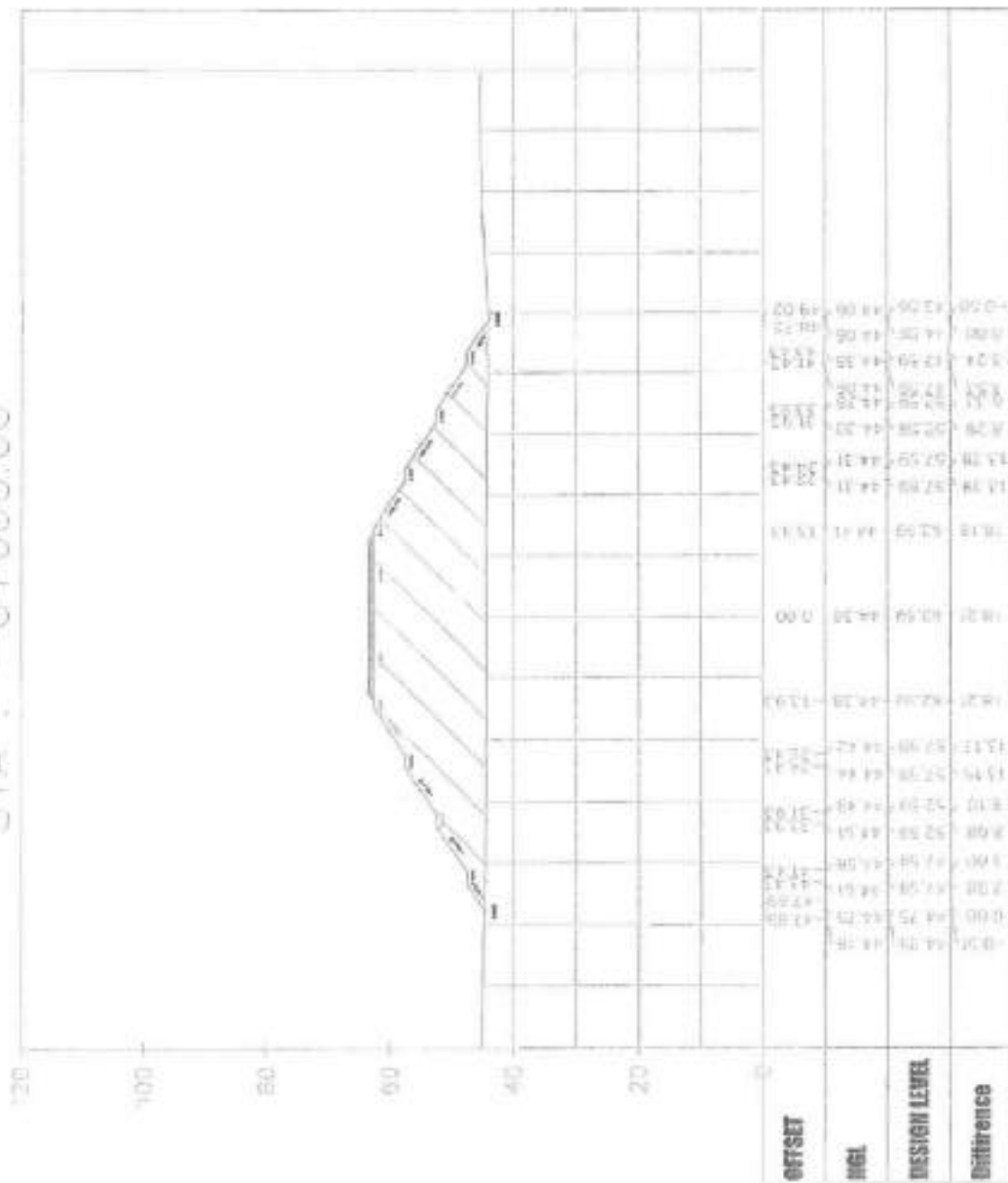


100% Satisfaction Guarantee

NAME: _____
 ADDRESS: _____
 CITY: _____
 STATE: _____
 ZIP: _____
 PHONE: _____
 FAX: _____
 E-MAIL: _____
 SIGNATURE: _____
 DATE: _____

[illegible]

STA : -0+060.00



S.P : -0+060.00

S.P

Volume 233.60 m3

Cum Vol 1,050.16 m3

FT : -0+060.00

F.T

Volume 6.00 m3

Cum. Vol. 27.00 m3



Signature

1. This drawing is for the purpose of providing information only and it is not to be used for construction purposes without the approval of the Engineer in Charge.

2. The Engineer in Charge is not responsible for the accuracy of the data provided in this drawing.

3. The Engineer in Charge is not responsible for the accuracy of the data provided in this drawing.

4. The Engineer in Charge is not responsible for the accuracy of the data provided in this drawing.

5. The Engineer in Charge is not responsible for the accuracy of the data provided in this drawing.

Legend :

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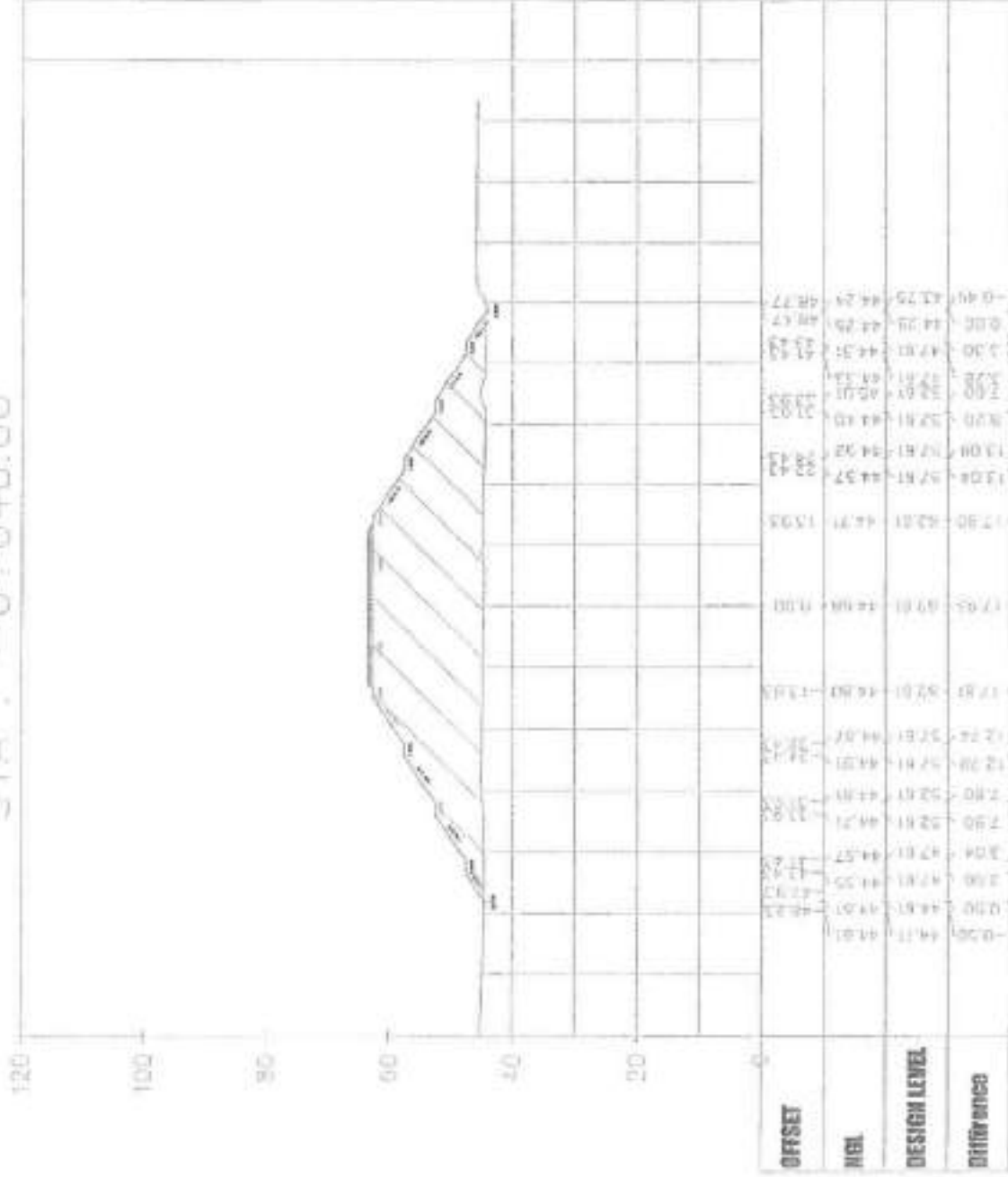
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STA : -0+040.00



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S.P

Volume 236.76 m3

Cum Vol 1,288.92 m3

FT : -0+040.00

F.T

Volume 6.00 m3

Cum. Vol. 33.00 m3



مصدق

هذا المخطط هو من إعداد المكتب الفني للمشروع ولا يمكن استخدامه خارج نطاق المشروع.
 هذا المخطط هو من إعداد المكتب الفني للمشروع ولا يمكن استخدامه خارج نطاق المشروع.
 هذا المخطط هو من إعداد المكتب الفني للمشروع ولا يمكن استخدامه خارج نطاق المشروع.
 هذا المخطط هو من إعداد المكتب الفني للمشروع ولا يمكن استخدامه خارج نطاق المشروع.
 هذا المخطط هو من إعداد المكتب الفني للمشروع ولا يمكن استخدامه خارج نطاق المشروع.

Appendix 3

موقع القوس المرحلي
 300
 100

موقع القوس	موقع القوس
300	100
200	100
100	100
0	100

موقع القوس المرحلي
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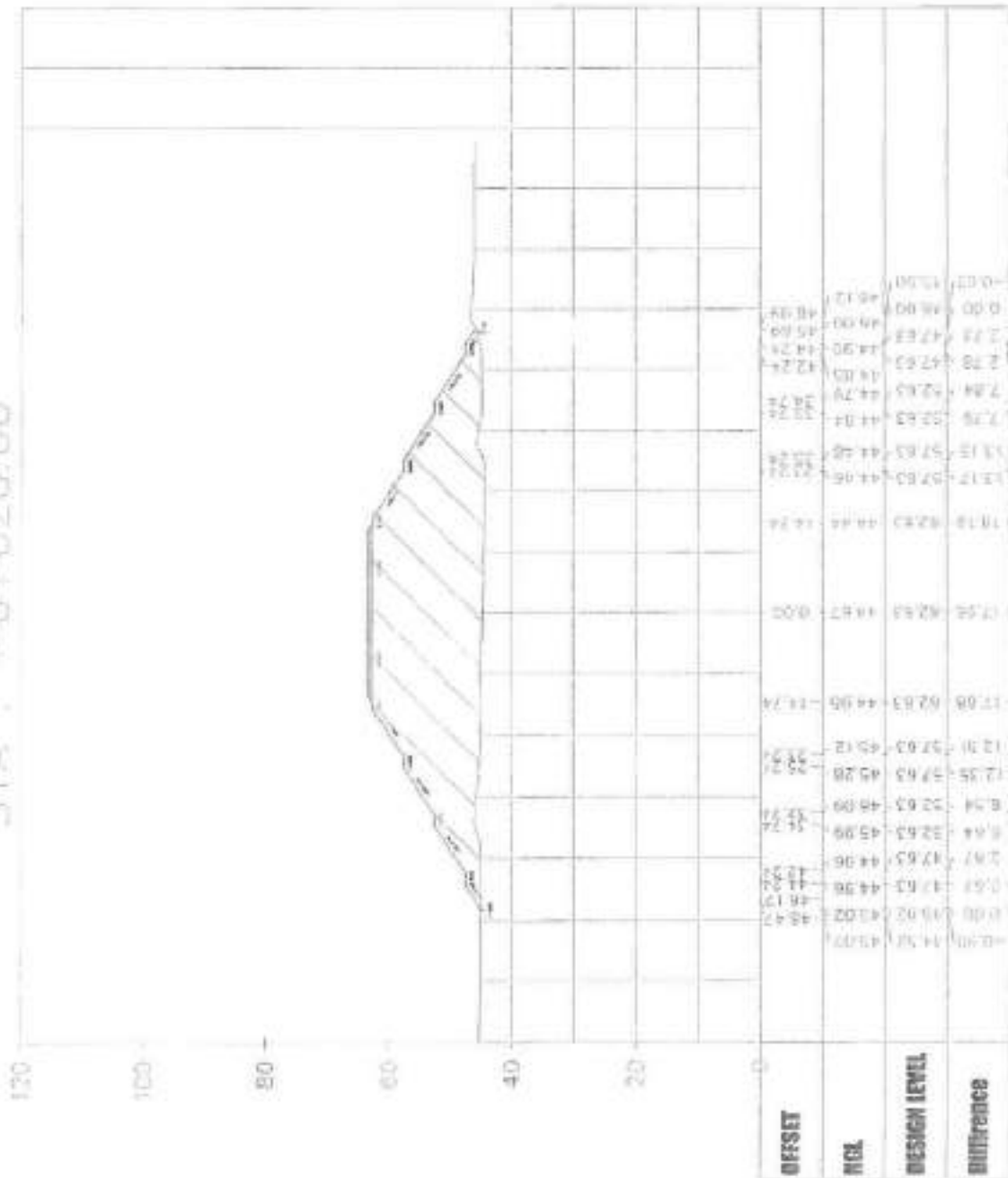
موقع القوس المرحلي
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موقع القوس المرحلي
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STA : -0+020.00



S.P : -0+020.00

S.P

Volume 231.20 m3

Cum Vol 1,518.12 m3

FT : -0+020.00

F.T

Volume 6.00 m3

Cum, Vol. 39.00 m3



Signature

1- This drawing is for the purpose of providing information only and it is not to be used for construction without the approval of the Engineer.
2- The Engineer is not responsible for the accuracy of the data provided by the client.
3- The Engineer is not responsible for the accuracy of the data provided by the client.
4- The Engineer is not responsible for the accuracy of the data provided by the client.
5- The Engineer is not responsible for the accuracy of the data provided by the client.

Legend

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Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. *Eq... A1.1*

1. Surveying works (Levels, coordinates & NO. of berms) are inspected and approved by GARB consultant. (IR copy is attached)
2. Formworks were approved by GARB consultant (EL-RAEID), all comments to be implemented.
3. Work may proceed.

ENG: Mohamed Saad



REQUEST to POUR CONCRETE



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company			Designer Company*																	
Issued by Contractor	Name Hamdy Zakaria	Sign Nadif	Date 2.12.2023	Time																
Contractor UIR Reference	(B7 A1.1)																			
Received by ER		UIR	<table border="1"> <tr> <td>G</td> <td>S</td> <td>C</td> <td>D</td> <td>N</td> <td>Y</td> <td>H</td> <td>M</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		G	S	C	D	N	Y	H	M								
G	S	C	D	N	Y	H	M													
CODE -1	CODE -1	CODE -1	CODE -2	CODE -3																

EXPLANATION OF WORK TO BE INSPECTED		
AREA	Element	Item
-0+150 To 0+000	From ST -0+150 to ST-0+000	Berches :
		Slope : 3
	Total Pouring M3 225m ³	Side R
Inspection Description: • Concrete pouring for slope protection works		Supplier

INSPECTION DETAILS The following will be ready at the Planned Inspection Time	
Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate			
Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	(Reports)		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (ELRAEID CONSULTANT ENGINEER) - Contractor have to take Cub for testing. - Contractor have to back Gray concrete surface NAME:	Comments by: GENERAL CONSULTANT (SYSTRA)
--	--

INSPECTION RESULT					Use Tick if Not Attend	
Organisation	Name	Sign	Date	Station		
Contractor Engineer	Hamdy Zakaria					
Contractor QA/QC*						
Contractor Consultant			2/12/2023	A		
GARB*						
Employers Representative			2-12-2023	AWC		

El-elevation from St. -0+150 to St. 0+000

Left				St	Right			
				-0+150				
				-0+144				
				-0+135				
				-0+126				
				-0+117				
				-0+108				
				-0+099				
				-0+090				
				-0+081				
				-0+072				
				-0+063				
				-0+054				
				-0+045				
				-0+036				
				-0+027				
				-0+018				
				-0+009				
				-0+000				

GB International ReadyMix

Product No: 7060
 Concrete Class: 250-300-قرسان
 Quantity: 10,00
 Customer: 0
 Tax Office:
 Chantier:
 Chantier Address:

Delivery Note A1006481 02.12.2023 16:26:28
 Customer Address:
 Tax No:
 Service:
 Transmizer: 8348
 Driver Name: علي سالم

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8.206	0,07%	%2
AGR 1	610	6100	6.134	0,56%	%2
AGR 2	500	5000	4,985	-0,30%	%2
WATER	180	1800	1.800	0,00%	%1
SilKa	0	0	0	0,00%	%3
R4PN	5	50	49,84	-0,32%	%3
R4PN	0	0	0,00	0,00%	%3
OPC 1	300	3000	2 998	-0,07%	%1
OPC 2	0	0	0	0,00%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	24150,00			

Operator: MAHMOUD

Delivered by: علي سالم

Delivered to:

GB International ReadyMix

Product No: 7063 **Delivery Note** A1006474 02.12.2023 14:26:09
Concrete Class: 250-300-نورسلي
Quantity: 10,00
Customer 0
Tax Office.
Chantier:
Chantier Address:

Customer Address:
Tax No:
Service:
Transmiser: 8353
Driver Name: شريف حنمي

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8.216	0,20%	%2
AGR 1	610	6100	6.120	0,33%	%2
AGR 2	500	5000	4.894	-0,12%	%2
WATER	180	1800	1.800	0,00%	%1
SilKa	0	0	0	0,00%	%3
R4PN ...	5	50	49,86	-0,28%	%3
R4PN	0	0	0,00	0,00%	%3
OPC 1	300	3000	2.998	-0,07%	%1
OPC 2	0	0	0	0,00%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	24150,00			

Operator: MAHMOUD

Delivered by: شريف حنمي

Delivered to:

GB International ReadyMix

Product No: 7051
Concrete Class: 250-300-الفرسان
Quantity: 10,00
Customer: 0
Tax Office:
Chantier:
Chantier Address:

Delivery Note: A1006472 02.12.2023 13:38:03
Customer Address:
Tax No:
Service:
Transmixer: 8348
Driver Name: علي سالم

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8.208	0,11%	%2
AGR 1	610	6100	6 127	0,44%	%2
AGR 2	500	5000	5.006	0,12%	%2
WATER	180	1800	1.800	0,00%	%1
SIKA	0	0	0	0,00%	%3
R4PN ...	5	50	48,88	-0,24%	%3
R4PN	0	0	0,00	0,00%	%3
OPC 1	300	3000	2.993	-0,23%	%1
OPC 2	0	0	0	0,00%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	24150,00			

Operator: MAHMOUD

Delivered by: علي سالم

Delivered to:

GB International ReadyMix

Product No: 7092
Concrete Class: 250-300-نرمال
Quantity: 9,00
Customer: 0
Tax Office:
Chantier:
Chantier Address:

Delivery Note A1006611 03.12.2023 14:57:29

Customer Address:
Tax No:
Service:
Transmiser: 1346
Driver Name: حمادة علي

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	7380	7.393	0,18%	%2
AGR 1	810	5490	5.517	0,49%	%2
AGR 2	500	4500	4.513	0,29%	%2
WATER	180	1620	1.620	0,00%	%1
SIKA	0	0	0	0,00%	%3
R4PN	0	0	0,00	0,00%	%3
R4PN	5	45	44,84	-0,38%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	300	2700	2.689	-0,41%	%1
CMII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	21735,00			

Operator: MAHMOUD

Delivered by: حمادة علي

Delivered to:

GB International ReadyMix

Product No: 7089
Concrete Class: 250-300-القرم
Quantity: 9,00
Customer: 0
Tax Office:
Chantier:
Chantier Address:

Delivery Note A1006608 03.12.2023 13:38:54

Customer Address:
Tax No:
Service:
Transmitter: 1346
Driver Name: حمدة علي

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	7380	7 381	0,01%	%2
AGR 1	610	5490	5.518	0,51%	%2
AGR 2	500	4500	4.492	-0,18%	%2
WATER	180	1620	1.620	0,00%	%1
SilKa	0	0	0	0,00%	%3
R4PN	0	0	0,00	0,00%	%3
R4PN	5	45	44,85	-0,33%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	300	2700	2.695	-0,19%	%1
GMIII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	21735,00			

Operator: MAHMOUD

Delivered by: حمدة علي

Delivered to:

GB International ReadyMix

Product No: 7077
 Concrete Class: 250-300-نفرسان
 Quantity: 10,00
 Customer: 0
 Tax Office:
 Chantier:
 Chantier Address:

Delivery Note A1006496 03.12.2023 08:20:39
 Customer Address:
 Tax No:
 Service:
 Transmixer: 8348
 Driver Name: علي مسلم

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8.237	0,45%	%2
AGR 1	610	6100	6.144	0,72%	%2
AGR 2	600	6000	4.997	-0,06%	%2
WATER	180	1800	1.800	0,00%	%1
SiKa	0	0	0	0,00%	%3
R4PN	5	50	49,85	-0,30%	%3
R4PN	0	0	0,00	0,00%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	300	3000	2.989	-0,37%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	24150,00			

Operator: MAHMOUD

Delivered by: علي مسلم

Delivered to:

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. P6-A-1

1. Concrete Pouring Inspection was carried-out, Slump and temp. found acceptable.
2. Compressive strength of concrete cubes taken to comply with project specs.
3. Concrete plant to be approved by general consultant.
4. All concrete tests result to comply with project specs.
5. Concrete curing to be done as per project specs.
6. Control joints inspected and approved by GARB consultant (EL-RAEID).
7. Fiber MAR and MIR to be approved by GARB consultant and submitted to General consultant.
8. There is no typical sec. for drainage pipe.
9. Drainage pipe typical sec. to be approved and submitted.
10. Drainage pipe to be implemented and inspected in new IR.
11. Implementation of drainage pipes are contractor responsibility.
12. Alignment maintenance after slope protections is contractor responsibility.
13. Final approval is subject to submitting final inspection request with code A from GARB consultant.

ENG: Mohamed Saad

UNIVERSAL INSPECTION REQUEST



RECEIPT OF NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company	
Issued by Contractor	Name	Sign	Date	Time	
	Hamdy Zakaria		1.12.2023		
Contractor UIR Reference	(EXD - A 1.1)			Revision	
Received by ER			UIR	GI	GZ
				C3	OD
				MM	YY
				HH	MM
CODE-1 S1 to S21 Station Reference		CODE-1 D1 to D3 Depot Reference		CODE-1 Kp XXX For Kilometer print only	
				CODE-2 Work Activity	
				CODE-3 Sub Element of Activity	

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
-0+150 To 0+000	-0+150 To 0+000	33R
Inspection Description:		
Installing the foam in the expansion joints for slope protection works		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be Included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☐
Drawing Reference	IR Reference	MS Reference	

Comments by: El-Raed

placed expansion joints are acceptable.
- works may proceed

Comments by: Systri

Connect after

INSPECTION RESULT

Organisation	Name	Sign	Designation	Date	Time	Approval Status	Please Tick If Not Attend
Contractor Construction	Hamdy Zakaria			1.12.2023		A	
Contractor QAVOC	Mohamed Zakaria			1.12		A	
QARB							
Employer Representative	Mohamed			1.12.2023		A	

File Name: J



Elevation from St. 0+150 to St. 0+200									
St.									
Left				Right					
				0+00					
				-0+9					
				-0+18					
				-0+27					
				-0+36					
				-0+45					
				-0+54					
				-0+63					
				-0+72					
				-0+81					
				-0+90					
				-0+99					
				-0+108					
				-0+117					
				-0+126					
				-0+135					
				-0+144					
				-0+150					

Electric Express Train Project (CET)



SYSTRA

General Consultant Comments

IR NO. E:JS-A1

1. Expansion Joints inspected and approved by GARB consultant.
2. Foam MAR, MIR to be approved by GARB Consultant and submitted to general consultant.
3. Work may proceed as per approved specs & testing frequency.

ENG: Mohamed Saad



SUBMISSION of TEST RESULTS			

Location Name		Contractor Company		Designer Company													
																	
Issued by Contractor	Name	Sign	Date	Time													
	Handy Zakaria	Handy Zakaria	9.12.2023														
Contractor Reference	(T3-A11)				Revision												
Received by EA	Mohamed Sa	MA	SMA	<table border="1"> <tr> <td>01</td> <td>02</td> <td>03</td> <td>04</td> <td>05</td> <td>06</td> <td>07</td> <td>08</td> <td>09</td> <td>10</td> <td>11</td> <td>12</td> </tr> </table>		01	02	03	04	05	06	07	08	09	10	11	12
01	02	03	04	05	06	07	08	09	10	11	12						

NB: Package 1 Only (Package 2 via Aconex)

THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW

Description of Test Materials					
Location of Test		-01150 To 0+000 SJR			
Item	Specification	Test Requirement	Test Result Attachment	Remarks	
1	187.5 kg/cm ²	7 days			
2	250 kg/cm ²	28 days			
3					
4					
5					

Comments by:	Comments by:
Acceptable results for the compressive strength El-Raied For Consulting Engineering El-Raied For Consulting Engineering	attached results are accepted

APPROVAL STATUS				
Organization	Name	Sign	Date	Remarks
Contractor	Handy Zakaria	Handy Zakaria	9.12.2023	A
Designer	Mohamed Sa	Mohamed Sa	9.12.2023	A
GARB				
Employers Representative	Mohamed Sa	Mohamed Sa	9.12.2023	A

* Alignment / Bridges: Culvert Only

A= Approved, AWC= Approved with Comments; R= Rejected



شركة جي بي الدولية

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

Test Standard ECP 203-2007-47-2) & BS 1881 - Part 116:1983

CLIENT :	التعمير	SAMPLED BY :	شركة جي بي
PROJECT :	القطار السريع طالسفينا	Cement Content/Type :	250-300 OPC
CONSULTANT :		STRUCTURE ELEMENT :	مبوك
DATE OF CASTING :	2/12/2023	SPECIFIED STRENGTH :	250 kg/cm ²
POURED QUANTITY :	m ³	NO. OF SAMPLES MADE :	8
TARGET SLUMP	170+/-20 mm	REF NO. :	1.2.3.

Results :

Specimen Reference	1	2	3		
Date of Test	09/12/2023				
Age of Test (Days)	7	7	7		
Moist. Condition at Testing	MOIST	MOIST	MOIST		
Shape Of Specimen	Cube	Cube	Cube		
Average Dimension (mm)	150	150	150		
Weight (g)	8130	8135	8140		
Density (Ton/m ³)	2.409	2.410	2.412		
Failure Load (kN)	489	520	521		
Comp. Strength	322	336	336		
Average 7 Days K.C	321				

Remarks :

Note : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.3kN/S)

Lab Technician		





شركة جي بي الدولية

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

Test Standard ECP 908-2007-(7-2) & BS 1881 - Part 116:1983

CLIENT :	الفرسان	SAMPLED BY :	شركة جي بي
PROJECT :	القطار السريع ط المنطقة	Cement Content/Type :	250-300 OPC
CONSULTANT :		STRUCTURE ELEMENT :	مبول
DATE OF CASTING :	8/12/2023	SPECIFIED STRENGTH :	250 kg/cm ²
POURED QUANTITY :	m ³	NO. OF SAMPLES MADE :	3
TARGET SLUMP	170±20 mm	REF NO. :	12.8

Results :

Specimen Reference	1	2	3		
Date of Test	10/12/2023				
Age of Test (Days)	7	7	7		
Moist. Condition at Testing	MOIST	MOIST	MOIST		
Shape Of Specimen	Cube	Cube	Cube		
Average Dimension (mm)	150	150	150		
Weight (g)	8200	8205	8180		
Density (Ton/m ³)	2.430	2.431	2.424		
Failure Load (kN)	525	541	527		
Comp. Strength	238	245	239		

Average 7 Days K.G

241

Remarks :

Note : Specified Loading Rate Range = 1.5kN/S to 9.0 kN/S or (0.8kN/S)

Lab. Test Date



ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING S.A.E

3 ABD EL-KAWY AHMED St. , MOHANDI SEEN GIZA

Tel : 3448411 - Fax : 3031719

Project: *Electric Express Train*

File No: 4880/S

Client: *شركة القرمسات*

Date: 03/01/2024

COMPRESSIVE STRENGTH OF TEST CUBE OF CONCRETE SPECIMEN ACCORDING TO BS 1881-116: 1983

Location: *SL-01/130 To 01/009 - Slope Protection - Right side*

Concrete Class: *C 25*

Cast by: *GB*

Type of Curing: *By the Client*

Date of Casting: *03/12/2023*

Dimension: *15*15*15 cm*

Cube Iden. No.	Unit Weight (gm/cm ³)	Date of Testing	Age of Cubes (days)	Area Loaded (cm ²)	Crushing Load (kg)	Compressive Strength (kg/cm ²)
1	2.391	03/01/2024	31	225	74868	333
2	2.353	03/01/2024	31	225	55488	247
3	2.356	03/01/2024	31	225	73032	325
Average						301

Notes:

Location of the concrete casting was identified and given by client.

- Ardaman - Split company is not responsible for cubes casted or cured by client*
- The Client Is a responsible of The Above Data*

Prepared by: *Eng. Mahmoud Kase*

Reviewed by: *Eng. Osama Mostafa*



شركة جي بي الدولية
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

Test Standard ECP 203-2007-(7-2) & BS 1881 - Part 116:1983

CLIENT :	الريمان	SAMPLED BY :	شركة جي بي
PROJECT :	القطر السريع في المنطقة	Cement Content/Type :	250-300 OPC
CONSULTANT :		STRUCTURE ELEMENT :	ميدان
DATE OF CASTING :	2-12-2023	SPECIFIED STRENGTH :	240 kg/cm ²
POURED QUANTITY :	m ³	NO. OF SAMPLES MADE :	3
TARGET SLUMP :	170+/-20 mm	REF NO. :	1-23

Results :

Specimen Reference	1	2	3			
Date of Test	2023-12-30					
Age of Test (Days)	28	28	28			
Moist. Condition at Testing	MOIST	MOIST	MOIST			
Shape Of Specimen	Cube	Cube	Cube			
Average Dimension (mm)	150	150	150			
Weight (g)	8015	8024	8106			
Density (Ton/m ³)	2.375	2.377	2.402			
Failure Load (kN)	627	645	683			
Comp. Strength	284	292	287			
Average 28 Days						
Average 28 Days K.G	288					
Remarks :						
Note :	Specified Loading Rate Range = 4.5kN/S to 0.9 kN/S or 10.8kN/S					
Lab Technician	Engineer		J.V		 شركة جي بي الدولية للخرسانة الجاهزة م. المهندس	
					م. المهندس Mohamed Ghanim	

UNIVERSAL INSPECTION REQUEST



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company													
Issued by Contractor	Name	Sign	Date	Time													
	Hamdy Zakaria		4.12.2023														
Contractor UIR Reference	(EX04 A 1.1)			For UIR													
Received by ER			UIR	<table border="1"> <tr> <td>01</td> <td>02</td> <td>03</td> <td>04</td> <td>05</td> <td>06</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		01	02	03	04	05	06						
01	02	03	04	05	06												
CODE-1 51 to 521 Station Reference		CODE-1 01 to 53 Dedot Reference		CODE-1 1000 For Kilometer point only													
				CODE-2 Week Activity													
				CODE-3 Sub Element of Activity													

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
-0+150 to 0+000	-0+150 to 0+000	Sub + lower foot R
Inspection Description :		
Installing the foam in the expansion joints for slope protection works		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be Included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☐
Drawing Reference	ITP Reference	MS Reference	

Comments by: El-Raed	Comments by: Systra
place of expansion joints are acceptable works may proceed	Comments Attached

INSPECTION RESULT						Approval Status	Please Tick if Not Attend
Organisation	Name	Sign	Designation	Date	Time		
Contractor Construction	Hamdy Zakaria					A	
Contractor QA/QC	Mohsule			4-12		A	
GARB*							
Employer Representative							

Elevations from St. -0+150 to St. 0+000							
Left				St.	Right		
				0+00			
				-0+9			
				-0+18			
				-0+27			
				-0+36			
				-0+45			
				-0+54			
				-0+63			
				-0+72			
				-0+81			
				-0+90			
				-0+99			
				-0+108			
				-0+117			
				-0+126			
				-0+135			
				-0+144			
				-0+150			

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. *E-Jg A1.1*

1. Expansion Joints inspected and approved by GARB consultant.
2. Foam MAR, MIR to be approved by GARB Consultant and submitted to general consultant.
3. Work may proceed as per approved specs & testing frequency.

ENG: Mohamed Saad

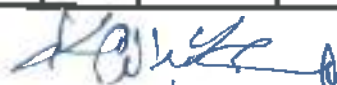


* Approved, NAC Approved with Comments: 20/10/2022

Compressive Strength Report

Client Name :	El Forsan Co.
Project :	Express Train
Location :	Ain El Sokhna
Date of Casting :	22/10/2023
Date of Crashing:	29/10/2023
Strength :	250 kg/cm2
Cement Content :	310 Kg/m3
Type of Cement :	OPC
Element :	Slopes Protection
Dimension of Mold :	15*15*15 cm

Cube No	Age Day	Weight Kg	Density T/M3	Loading KN	Strength Kg/cm2	Average Kg/cm2	Percentage %	Remarks
1	7	8.214	2.43	506	205	250	104	
2		8.264	2.45	577	261			
3		8.230	2.44	560	254			
4								
5								
6								
7								
8								
9								
10								
11								
12								


QC Engineer

Mahmoud Mahmoud El Hawary

Compressive Strength Report

Client Name :	El Forsan Co.
Project :	Express Train
Location :	Aln El Sokhan
Date of Casting :	23/10/2023
Date of Crashing:	30/10/2023
Strength :	250 kg/cm2
Cement Content :	310 Kg/m3
Type of Cement :	OPC
Element :	Slopes Protection
Dimension of Mold :	15*15*15 cm

Cube No	Age Day	Weight Kg	Density T/M3	Loading KN	Strength Kg /cm2	Average Kg/ cm2	Percentage %	Remarks
1	7	8.244	2.44	580	263	265	106	
2		8.243	2.44	582	266			
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								


QC Engineer

Mahmoud Hamouda El Hawary

9/11



EXPRESS
READY MIX
اكسپريس - ريدي ميكس

Express Company
For Ready Mix Concrete
Quality Department
El Sokhan plant

Compressive Strength Report

Client Name :	El Forsan Co.
Project :	Express Train
Location :	Ain El Sokhan
Date of Casting :	22/10/2023
Date of Crashing:	19/11/2023
Strength :	250 kg/cm2
Cement Content :	310 Kg/m3
Type of Cement :	OPC
Element :	Slopes Protection
Dimension of Mold :	15*15*15 cm

Cube No	Age Day	Weight Kg	Density T/M3	Loading KN	Strength Kg /cm2	Average Kg/ cm2	Percentage %	Remarks
1	28	8.301	2.46	663	300	304	120	
2		8.267	2.45	655	297			
3		8.292	2.46	674	303			
4								
5								
6								
7								
8								
9								
10								
11								
12								

QC Engineer
Mahmoud Hamouda El Hawary

Compressive Strength Report

Client Name :	El Forsan Co.
Project :	Express Train
Location :	Aln El Sokhan
Date of Casting :	23/10/2023
Date of Crashing:	20/11/2023
Strength :	250 kg/cm2
Cement Content :	310 Kg/m3
Type of Cement :	OPC
Element :	Slopes Protection
Dimension of Mold :	15'15'15 cm

Cube No	Age Day	Weight Kg	Density T/M3	Loading KN	Strength Kg /cm2	Average Kg/ cm2	Percentage %	Remarks
1	28	8.278	2.45	645	292	300	120	
2		8.239	2.44	657	299			
3		9.255	2.74	668	312			
4								
5								
6								
7								
8								
9								
10								
11								
12								

QC Engineer

Mahmoud Hamed El Hawary

25

11

2023

UNIVERSAL INSPECTION REQUEST



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company	
Issued by Contractor	Name	Sign	Date	Time	
	Hamdy Zakaria	Nagish	1.12.2023		
Contractor UIR Reference	153 -A.L.I				Revision
Received by ER	Mohamed Saeed	UIR	C1	C2	C3
			OD	MM	YY
			HH	MM	
CODE-1 SL to S21 Station Reference	CODE-2 D1 to S3 Depot Reference	CODE-3 Kg XXX For Kilometer point only	CODE-4 Work Activity	CODE-5 Sub Element of Activity	

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
-0+150 to 0+000	-0+150 to 0+000	S3R
<u>Inspection Description:</u> Formworks for slope protection works		

INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☐
Drawing Reference	ITP Reference	MS Reference	

Comments by: El-Raed

Formworks are acceptable according to S-10
- works may proceed

Comments by: System

Comments attached

INSPECTION RESULT

Organisation	Name	Sign	Designation	Date	Time	Approval Status A-AWC-R	Please Tick if Not Attend
Contractor Construction	Hamdy Zakaria	Nagish		1.12.2023		A	
Contractor QA/QC	Mohamed Saeed			1-12		A	
GARB*							
Employer Representative	Mohamed Saeed						



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be completed and ready for inspection at planned time shown

Contractor Company	EL. For San		Designer Company*	DR. Hassan Mahdy (H.M.C)																			
Issued by Contractor	Name Hassan Mahdy	Sign Hassan Mahdy	Date 26-9-2023	Time																			
Contractor UIR Reference	(1-A1-11)																						
Received by ER	Mahmoud Sami	UIR	<table border="1"> <tr> <td>01</td> <td>02</td> <td>03</td> <td>04</td> <td>05</td> <td>06</td> <td>07</td> <td>08</td> <td>09</td> <td>10</td> </tr> <tr> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> <td>18</td> <td>19</td> <td>20</td> </tr> </table>	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
01	02	03	04	05	06	07	08	09	10														
11	12	13	14	15	16	17	18	19	20														
CODE -1	CODE -1	CODE -1	CODE -2	CODE -3																			

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
-0+150 to 0+100	-0+150 to 0+100	(beginning) left side
Inspection Description: we request your attendance to inspect points attached for the AS-build		

INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	Surveying sheets Master sheet + Cross sections + Width sheets		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (GARB SURVEY CONSULTANT (XYZ) |

-SURVEYING WORKS (LEVELS - COORDS-WIDTH)
Are inspected and found acceptable
Work may: Proceed

NAME: Mohamed Abdel Elhadi

Comments by: GENERAL CONSULTANT (SYSTRA)

Comment attached

INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if not agreed
Contractor Engineer	Hassan Mahdy	Hassan Mahdy	26-9-2023		7	
Contractor QA/QC*	Mahmoud Sami	Mahmoud Sami	26/9/2023	16:00		
GARB**						
Employers Representative	M. Hassan	M. Hassan	27-9-2023		100	

* Designer

** Alignment: Bridges: Culvert Only



محضر استلام الميزانية الشبكية من الشركات المنفذة



لتاريخ: 26 / 4 / 2023

اسم المشروع: مشروع القطار السريع (عين للسفدة - العاصمة الإدارية)

قامت شركة الكس واي زد (XYZ) للأعمال المساحية (استشاري الاعمال المساحية لهيئة الطرق والكباري) باستلام الميزانية الشبكية من شركة / **الغرس**

من المحطة رقم ٥١٤ - الى المحطة رقم: ٥٥٥ D

يتود مهمة يجب ان يتم استلامها قبل الإستلام:

- يتم استلام البيانات بعد الانتهاء من افرص مباشرة من الجهاز المستخدم بالي صيغة (RAW DATA)

- يتم اعتماد طريقة الميزانية المنتظمة و المتقدمة فقط في مشروع القطار الكهربائي السريع

- يتم اعتماد الارصاد والميزانيات المرفوعة بأجهزة مفحوصة ولها شهادات معايرة مارية حديثة فقط لا تقل مدة اخر معايرة للجهاز عن ٣ اشهر.

- يتم مراجعة شهادات المعايرة مع التوكيل بشكل مباشر وفي حالة ظهور شهادة مزورة يتم استبعاد الجهاز والشخص المسؤول فورا.

- يجب ان يكون القام بأعمال الميزانية من المخصصين في مجال المساحة وله خبرة مناسبة.

- تتم مطابقة واستلام الاعمال في الموقع وفي حالة عدم مطابقة المنسوب في اكثر من ٤ امكن موز عين على المنطقة، لا يعتد بالميزانية الشبكية ويتم اعادة رصدها.

ملاحظات:-

موقع الميزانية: **مشاريع الطريق السريع**
اسم العميل: **مشاريع الطريق السريع**
اسم الشركة: **مشاريع الطريق السريع**

مهندس الهيئة

استشاري المشروع
المساحة

استشاري المساحة

مهندس الشركة المنفذة



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	EI-Forssan		Designer Company*	DR Hassan Mandy (ILV G)
Issued by Contractor	Name Hassan Mandy	Sign Hassan Mandy	Date 8-10-2023	Time
Contractor L.R. Reference	SIR 2-116			
Received by	 			
CODE-1	CODE-1	CODE-1	CODE-2	CODE-3

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
-D+150 to D+1000	-D+150 TO D+1000	

Inspection Description:

Back filling st. () UP To St. () Layer ()

WE request your attendance to inspect these coordinates as attached

INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	Surveying sheets (Master sheet + Cross sections + Width sheets)		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (QA/QC SURVEY CONSULTANT (XYZ))

SURVEYING WORKS (LEVELS - CORRDENATS- WIDTH) ARE INSPECTED AND FOUND - acceptable

WORKS MAY: Release

NOTE: not to be released

Comments by: GENERAL CONSULTANT (SYSTEM)

(Signature of General Consultant)

INSPECTION RESULT

Organization	Name	Sign	Date	Time	Approval Status	Please Tick if Not Attended
Contractor Engineer	Hassan Mandy	Hassan Mandy	8/10/2023		A - APPROVED	
Contractor QA/QC	Hassan Mandy	Hassan Mandy	8/10/2023	14:45	A - APPROVED	
CARR**	Hassan Mandy	Hassan Mandy	8/10/2023		A - APPROVED	
Inspection	Hassan Mandy	Hassan Mandy	8/10/2023		A - APPROVED	

* Designer

** Alignment, Bridge, Culvert Only



محضر استلام الميزانية الشبكية من الشركات المنفذة



التاريخ: ٢٠٢٣/ ١٥/ ٨

اسم المشروع: مشروع القطر السريع (العين للمخزة - العطين)

قامت شركة فكت واي زد (XYZ) للأعمال المصاحبة (استلام) الإصل المصاحبة (العين للمخزة - العطين) باستلام الميزانية الشبكية

من شركة / **الزيب**

من المصحة رقم: **٥١٥٥ -** على المصحة رقم: **٥٢٥٥٥**

بنود مهمة يجب أن يتم تنفيذها قبل الاستلام:

- يتم استلام البيانات بعد الانتهاء من قراءات مقاسرة من الجيول (RAW DATA)
- يتم اعتماد طريقة الميزانية المنظمة و المتقدمة فقط في مشروع القطر السريع.
- يتم اعتماد الارصدة والميزانيات المرفوعة بأجهزة مفحص بها شهادات سلامة سرورية حديثة فقط لا نقل مدة اخر معايرة للجهاز عن 3 اشهر.
- يتم مراجعة شهادات المعايرة مع التوكيد بشكل فوري في حالة ظهور شهادة مرفوعة يتم استبعاد الجهاز والشخص قمموزول فوراً
- يجب ان يكون التحكم باعمال الميزانية من المشغولين في مجال المساحة وله خبرة متقدمة.
- يتم مطابقة واستلام الاصل في الموقع وفي حالة عدم مطابقة فلنحسب في اكثر من 4 امكن موزعين على المنطقة. لا يعتد بالميزانية الشبكية ولتم اعلاء رصدها.

ملاحظات :-

رفع ميزانية شركة فكت واي زد (الزيب)

مهندس الهيئة

استشاري المشروع

استشاري المساحة

مهندس الشركة المنفذة

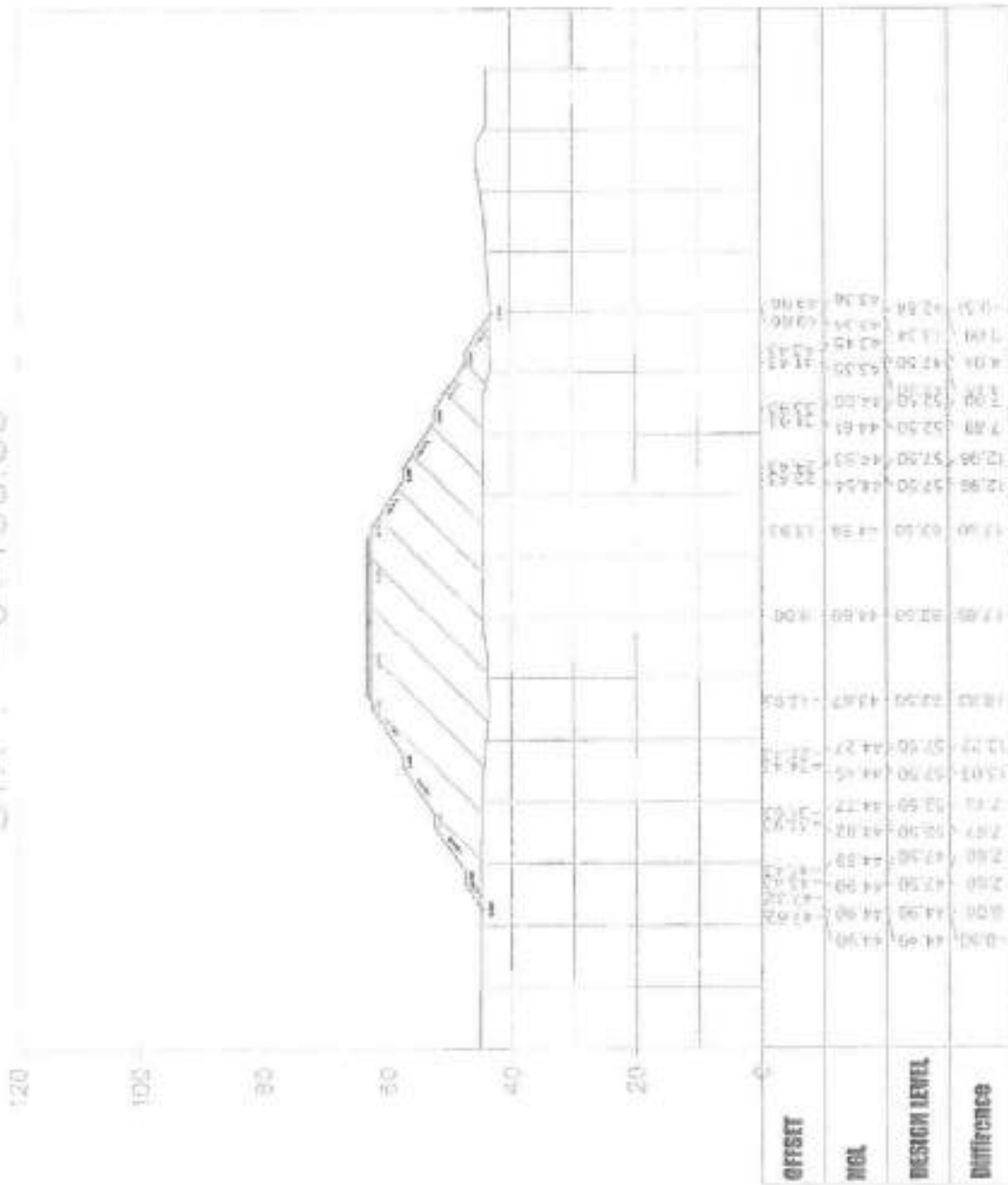
مهندس المساحة

مهندس المساحة

مهندس المساحة



STA : -0+150.00

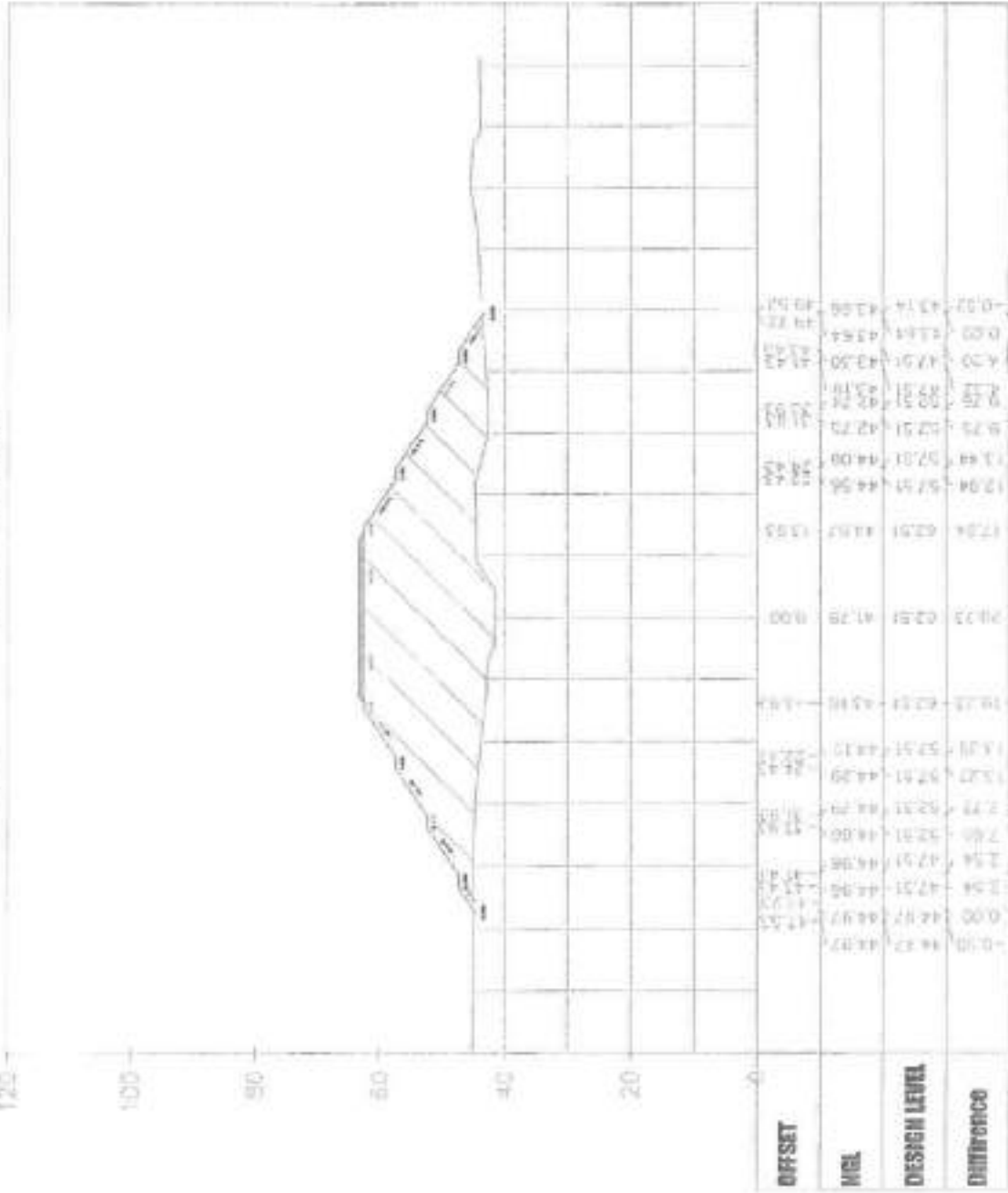


S.P : -0+150.00	
S.P	
Volume	0.00 m3
Cum Vol	0.00 m3

FT : -0+150.00	
F.T	
Volume	0.00 m3
Cum. Vol.	0.00 m3

Project Name: ...
 Client: ...
 Design: ...
 Scale: 1:1000
 Date: ...
 Drawn by: ...
 Checked by: ...
 Approved by: ...
 Project Manager: ...
 Engineer: ...
 Surveyor: ...
 Draftsman: ...
 Checker: ...
 Approver: ...

STA : -0+140.00



S.P : -0+140.00	
S.P	
Volume	118.94 m3
Cum Vol	118.94 m3

FT : -0+140.00	
F.T	
Volume	3.00 m3
Cum. Vol.	3.00 m3



مهندس

1- تم إعداد هذا المخطط الهندسي بناءً على البيانات الواردة في المخطط المرفق.
2- تم إجراء الحسابات الهندسية بناءً على البيانات الواردة في المخطط المرفق.
3- تم إعداد هذا المخطط الهندسي بناءً على البيانات الواردة في المخطط المرفق.
4- تم إجراء الحسابات الهندسية بناءً على البيانات الواردة في المخطط المرفق.
5- تم إعداد هذا المخطط الهندسي بناءً على البيانات الواردة في المخطط المرفق.
6- تم إجراء الحسابات الهندسية بناءً على البيانات الواردة في المخطط المرفق.
7- تم إعداد هذا المخطط الهندسي بناءً على البيانات الواردة في المخطط المرفق.
8- تم إجراء الحسابات الهندسية بناءً على البيانات الواردة في المخطط المرفق.
9- تم إعداد هذا المخطط الهندسي بناءً على البيانات الواردة في المخطط المرفق.
10- تم إجراء الحسابات الهندسية بناءً على البيانات الواردة في المخطط المرفق.

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Station	Offset	Height	Design Level	Confidence
0+00	44.73	45.23	0.00	44.73
0+10	44.73	45.23	0.00	44.73
0+20	44.73	45.23	0.00	44.73
0+30	44.73	45.23	0.00	44.73
0+40	44.73	45.23	0.00	44.73
0+50	44.73	45.23	0.00	44.73
0+60	44.73	45.23	0.00	44.73
0+70	44.73	45.23	0.00	44.73
0+80	44.73	45.23	0.00	44.73
0+90	44.73	45.23	0.00	44.73
1+00	44.73	45.23	0.00	44.73
1+10	44.73	45.23	0.00	44.73
1+20	44.73	45.23	0.00	44.73
1+30	44.73	45.23	0.00	44.73
1+40	44.73	45.23	0.00	44.73
1+50	44.73	45.23	0.00	44.73
1+60	44.73	45.23	0.00	44.73
1+70	44.73	45.23	0.00	44.73
1+80	44.73	45.23	0.00	44.73
1+90	44.73	45.23	0.00	44.73
2+00	44.73	45.23	0.00	44.73
2+10	44.73	45.23	0.00	44.73
2+20	44.73	45.23	0.00	44.73
2+30	44.73	45.23	0.00	44.73
2+40	44.73	45.23	0.00	44.73
2+50	44.73	45.23	0.00	44.73
2+60	44.73	45.23	0.00	44.73
2+70	44.73	45.23	0.00	44.73
2+80	44.73	45.23	0.00	44.73
2+90	44.73	45.23	0.00	44.73
3+00	44.73	45.23	0.00	44.73
3+10	44.73	45.23	0.00	44.73
3+20	44.73	45.23	0.00	44.73
3+30	44.73	45.23	0.00	44.73
3+40	44.73	45.23	0.00	44.73
3+50	44.73	45.23	0.00	44.73
3+60	44.73	45.23	0.00	44.73
3+70	44.73	45.23	0.00	44.73
3+80	44.73	45.23	0.00	44.73
3+90	44.73	45.23	0.00	44.73
4+00	44.73	45.23	0.00	44.73
4+10	44.73	45.23	0.00	44.73
4+20	44.73	45.23	0.00	44.73
4+30	44.73	45.23	0.00	44.73
4+40	44.73	45.23	0.00	44.73
4+50	44.73	45.23	0.00	44.73
4+60	44.73	45.23	0.00	44.73
4+70	44.73	45.23	0.00	44.73
4+80	44.73	45.23	0.00	44.73
4+90	44.73	45.23	0.00	44.73
5+00	44.73	45.23	0.00	44.73
5+10	44.73	45.23	0.00	44.73
5+20	44.73	45.23	0.00	44.73
5+30	44.73	45.23	0.00	44.73
5+40	44.73	45.23	0.00	44.73
5+50	44.73	45.23	0.00	44.73
5+60	44.73	45.23	0.00	44.73
5+70	44.73	45.23	0.00	44.73
5+80	44.73	45.23	0.00	44.73
5+90	44.73	45.23	0.00	44.73
6+00	44.73	45.23	0.00	44.73
6+10	44.73	45.23	0.00	44.73
6+20	44.73	45.23	0.00	44.73
6+30	44.73	45.23	0.00	44.73
6+40	44.73	45.23	0.00	44.73
6+50	44.73	45.23	0.00	44.73
6+60	44.73	45.23	0.00	44.73
6+70	4			

S.P. :- 0+100.00	
S.P	
Volume	231.95 m3
Cum Vol	536.05 m3

FT: -0+100.00	
F, T	
Volume	6.00 m3
Cum. Vol.	15.00 m3

[illegible]

رقم	اسم الطالب	الدرجة	الوقت
1	اسم الطالب	10 (40%)	0
2	اسم الطالب		
3	اسم الطالب		
4	اسم الطالب		
5	اسم الطالب		
6	اسم الطالب		
7	اسم الطالب		
8	اسم الطالب		
9	اسم الطالب		
10	اسم الطالب		

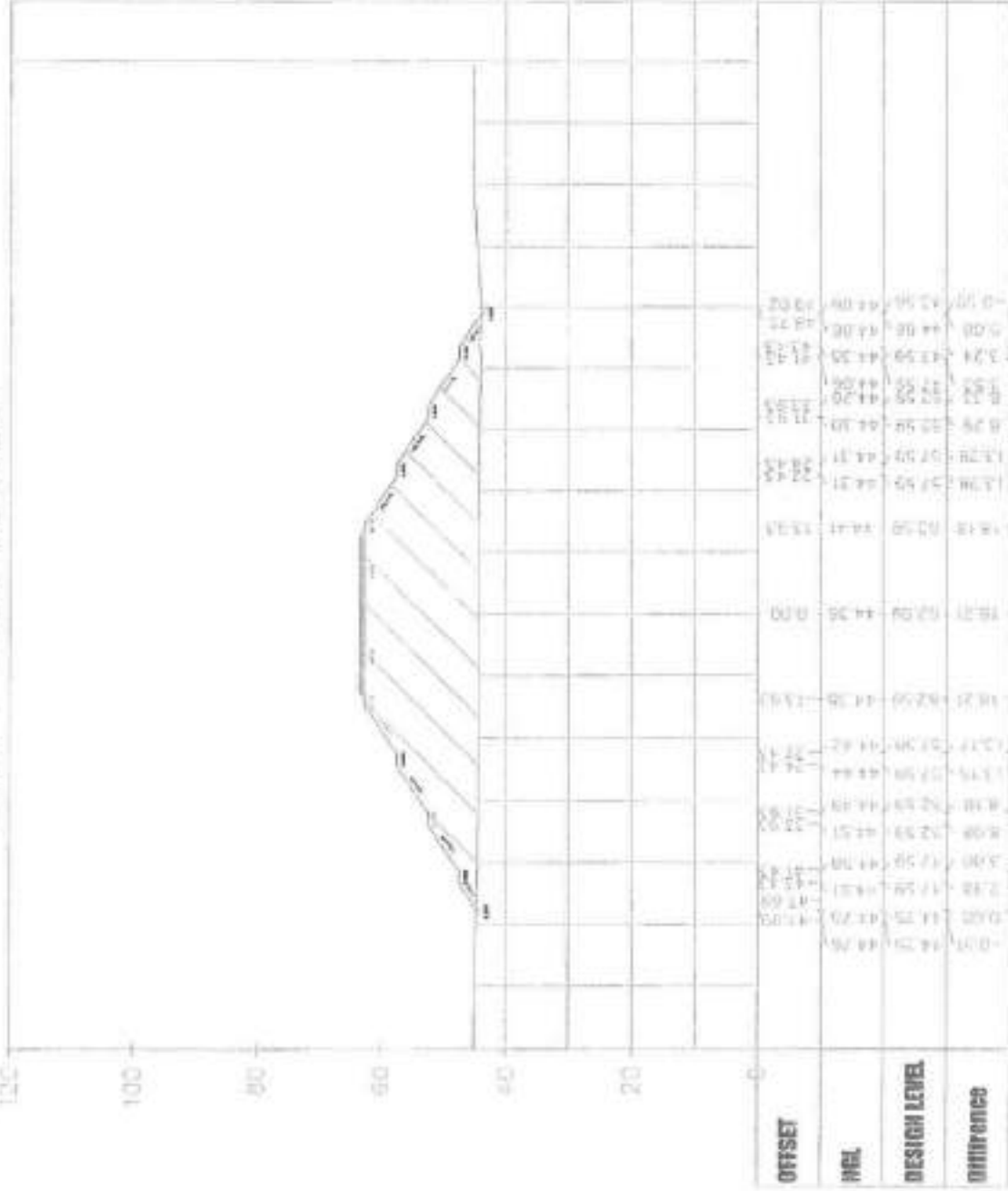
1000



NOTE: The following information is provided for informational purposes only. It is not intended to constitute an offer or recommendation of any investment product.

[illegible][illegible]

STA : -0+060.00



S.P : -0+060.00

S.P

Volume 233.60 m3

Cum Vol 1,050.16 m3

FT : -0+060.00

F.T

Volume 6.00 m3

Cum. Vol. 27.00 m3

ملاحظات	ملاحظات
1. تم إجراء العمل في الموقع	1. تم إجراء العمل في الموقع
2. تم إجراء العمل في الموقع	2. تم إجراء العمل في الموقع
3. تم إجراء العمل في الموقع	3. تم إجراء العمل في الموقع
4. تم إجراء العمل في الموقع	4. تم إجراء العمل في الموقع
5. تم إجراء العمل في الموقع	5. تم إجراء العمل في الموقع

تم إجراء العمل في الموقع

تم إجراء العمل في الموقع

تم إجراء العمل في الموقع

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تم إجراء العمل في الموقع

تم إجراء العمل في الموقع

تم إجراء العمل في الموقع

تم إجراء العمل في الموقع

Offset	NBL	Design Level	Difference
0	51.74	45.14	-6.60
10	51.74	45.14	-6.60
20	51.74	45.14	-6.60
30	51.74	45.14	-6.60
40	51.74	45.14	-6.60
50	51.74	45.14	-6.60
60	51.74	45.14	-6.60
70	51.74	45.14	-6.60
80	51.74	45.14	-6.60
90	51.74	45.14	-6.60
100	51.74	45.14	-6.60
110	51.74	45.14	-6.60
120	51.74	45.14	-6.60

S.P:	0+000.00
S.P	
Volume	223.59 m3
Cum Vol	1,741.72 m3

FT: 0+000.00	
F.T	
Volume	6.00 m3
Cum. Vol.	45.00 m3

[illegible]

4

١١) مصنف: []
 ١٢) عنوان: []
 ١٣) تاريخ: []
 ١٤) مكان: []
 ١٥) []
 ١٦) []
 ١٧) []
 ١٨) []
 ١٩) []
 ٢٠) []

Unemployed

مؤلف: الدكتور محمد عبد الحليم

[illegible]

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Year	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
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Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. F3...A101

1. Surveying works (Levels, coordinates & NO. of berms) are inspected and approved by GARB consultant. (IR copy is attached)
2. Formworks were approved by GARB consultant (EL-RAEID), all comments to be implemented.
3. Work may proceed.

ENG: Mohamed Saad



REQUEST to POUR CONCRETE



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company			Designer Company											
Issued by Contractor	Name Hamdy Zakaria	Sign Nbc/ps	Date 5.12.2023	Time										
Contractor UIR Reference	R4-A1.1)													
Received by ER			UIR	<table border="1"> <tr> <td>01</td> <td>02</td> <td>03</td> <td>04</td> <td>05</td> <td>06</td> <td>07</td> <td>08</td> <td>09</td> <td>10</td> </tr> </table>	01	02	03	04	05	06	07	08	09	10
01	02	03	04	05	06	07	08	09	10					
CODE -1	CODE -1	CODE -1	CODE -2	CODE -3										

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
-0+150 To 0+000	From ST -0+150 to ST-0+000	Bench
	Total Pouring M3	Slope: 4
		Side R
Inspection Description: • Concrete pouring for slope protection works		Supplier

INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	[Reports]		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (ELRAEIO CONSULTANT ENGINEER)

- Contractor have to take
Cubes for testing.

NAME:-

Comments by: GENERAL CONSULTANT (SYSTRA)

Comments attached

INSPECTION RESULT

Organisation	Name	Sign	Date	Approval Status	Please Tick if Not at hand
Contractor Engineer	Hamdy Zakaria	Nbc/ps	5.12.2023		A
Contractor QA/QC*					
Contractor Consultant	Arab Anar		5/12/2023		
GARB**					
Employers Representative	Mohamed Samir		5-12-2023		

El. For Jan from St. -0+150 to St. 0+000									
Left				St.	Right				
				-0+150					
				-0+144					
				-0+135					
				-0+126					
				-0+117					
				-0+108					
				-0+099					
				-0+090					
				-0+081					
				-0+072					
				-0+063					
				-0+054					
				-0+045					
				-0+036					
				-0+027					
				-0+018					
				-0+009					
				-0+000					

GB International ReadyMix

Product No: 7160
 Concrete Class: 250-300 قورسان
 Quantity: 10,00
 Customer: 0
 Tax Office:
 Chantier:
 Chantier Address:

Delivery Note: A1006571 05.12.2023 08:37:14
 Customer Address:
 Tax No:
 Service:
 Transmiser: 8659
 Driver Name: محمود چيل

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8.198	-0,05%	%2
AGR 1	610	6100	6.124	0,39%	%2
AGR 2	500	5000	4.993	-0,14%	%2
WATER	180	1800	1.800	0,00%	%1
SilKa	0	0	0	0,00%	%3
R4PN	0	0	0,00	0,00%	%3
R4PN	5	50	49,90	-0,20%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	0	0	0	0,00%	%1
CMII 3	0	0	0	0,00%	%1
OPC 4	300	3000	3.002	0,07%	%1
TOTALS:	2415,00	24150,00			

Operator: IBRAHIM

Delivered by: محمود چيل

Delivered to:

GB International ReadyMix

Product No: 7175 **Delivery Note** A1006585 05.12.2023 12:19:19
Concrete Class: 250-300-فوسان
Quantity: 10.00 **Customer Address:**
Customer: 0 **Tax No:**
Tax Office: **Service:**
Chantier: **Transmoxer:** 8348
Chantier Address: **Driver Name:** عتي مسلم

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0.00	0.00%	%2
SAND	820	8200	8.200	0.00%	%2
AGR 1	610	6100	6.084	-0.10%	%2
AGR 2	500	5000	4.997	-0.06%	%2
WATER	180	1800	1.800	0.00%	%1
SAKa	0	0	0	0.00%	%3
R4PN	0	0	0.00	0.00%	%3
R4PN	5	50	49.92	-0.16%	%3
OPC 1	0	0	0	0.00%	%1
OPC 2	300	3000	2.993	-0.23%	%1
CMIII 3	0	0	0	0.00%	%1
OPC 4	0	0	0	0.00%	%1
TOTALS:	2415,00	24150,00			

Operator: IBRAHIM

Delivered by: عتي مسلم

Delivered to:

GB International ReadyMix

Product No: 7184
 Concrete Class: 250-300-فقرسان
 Quantity: 10,00
 Customer: 0
 Tax Office:
 Chantier:
 Chantier Address:

Delivery Note: A1006594 05.12.2023 14:45:51
 Customer Address:
 Tax No:
 Service:
 Transmbox: 8348
 Driver Name: علي سالم

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8.206	0,07%	%2
AGR 1	610	6100	6.092	-0,13%	%2
AGR 2	500	5000	4.988	-0,24%	%2
WATER	180	1800	1.800	0,00%	%1
SilKa	0	0	0	0,00%	%3
R4PN ...	0	0	0,00	0,00%	%3
R4PN	5	50	50,05	0,10%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	300	3000	2.995	-0,17%	%1
CMII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	24150,00			

Operator: IBRAHIM

Delivered by: علي سالم

Delivered to:

GB International ReadyMix

Product No: 7199
 Concrete Class: 250-300-فرسان
 Quantity: 10,00
 Customer: 0
 Tax Office:
 Chantier:
 Chantier Address:

Delivery Note: A1006008 06.12.2023 07:01:31
 Customer Address:
 Tax No:
 Service:
 Transmixer: 8348
 Driver Name: علي سالم

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8.213	0,16%	%2
AGR 1	610	6100	6.131	0,51%	%2
AGR 2	500	5000	5.011	0,22%	%2
WATER	180	1800	1.800	0,00%	%1
SilKa	0	0	0	0,00%	%3
R4PN ..	0	0	0,00	0,00%	%3
R4PN	5	50	49,95	-0,10%	%3
OPC 1	0	0	0	0,00%	%1
OPC 2	300	3000	2.995	-0,17%	%1
CMIt 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	24150,00			

Operator: IBRAHIM

Delivered by: علي سالم

Delivered to:

GB International ReadyMix

Product No: 7202
Concrete Class: 250-300-فوسان
Quantity: 10,00
Customer: 0
Tax Office:
Chantier:
Chantier Address:

Delivery Note A1006610 06.12.2023 07:28:08
Customer Address:
Tax No:
Service:
Transmixer: 8659
Driver Name: محمود جمل

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8 209	0,11%	%2
AGR 1	610	6100	6.108	0,13%	%2
AGR 2	500	5000	4.996	-0,08%	%2
WATER	180	1800	1 800	0,00%	%1
SiKa	0	0	0	0,00%	%3
R4FN	0	0	0,00	0,00%	%3
R4FN	5	50	49,92	-0,16%	%3
OPC 1	300	3000	2 990	-0,33%	%1
OPC 2	0	0	0	0,00%	%1
CMII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	24150,00			

Operator: IBRAHIM

Delivered by: محمود جمل

Delivered to:

GB International ReadyMix

Product No: 7209 Delivery Note A1006617 06.12.2023 09:19:25
Concrete Class: 250-300 قمرسان
Quantity: 10,00
Customer 0
Tax Office:
Chantier:
Chantier Address:
Customer Address:
Tax No:
Service:
Transmitter: 8348
Driver Name: علي سالم

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	820	8200	8.226	0,32%	%2
AGR 1	610	6100	6.103	0,05%	%2
AGR 2	500	5000	4.995	-0,10%	%2
WATER	180	1800	1.800	0,00%	%1
SilKa	0	0	0	0,00%	%3
R4FN	0	0	0,00	0,00%	%3
R4FN	5	50	49,96	-0,08%	%3
OPC 1	300	3000	2.996	-0,13%	%1
OPC 2	0	0	0	0,00%	%1
CMIII 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	24150,00			

Operator: IBRAHIM

Delivered by: علي سالم

Delivered to:

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. P5-D.1

1. Concrete Pouring Inspection was carried-out, Slump and temp. found acceptable.
2. Compressive strength of concrete cubes taken to comply with project specs.
3. Concrete plant to be approved by general consultant.
4. All concrete tests result to comply with project specs.
5. Concrete curing to be done as per project specs.
6. Control joints inspected and approved by GARB consultant (EL-RAEID).
7. Fiber MAR and MIR to be approved by GARB consultant and submitted to General consultant.
8. There is no typical sec. for drainage pipe.
9. Drainage pipe typical sec. to be approved and submitted.
10. Drainage pipe to be implemented and inspected in new I.R.
11. Implementation of drainage pipes are contractor responsibility.
12. Alignment maintenance after slope protections is contractor responsibility.
13. Final approval is subject to submitting final inspection request with code A from GARB consultant.

ENG: Mohamed Saad

REQUEST to POUR CONCRETE



RECEIPT OF NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described by this will be completed and ready for inspection at planned time shown

Contractor Company			Designer Company	
Issued by	Name	Sign	Date	Time
Contributor	Hamdy Zakaria	Mohamed	22.6.2023	
Contributor UIR Reference	(D2 H- A1.1.1)			
Reviewed by ER	Mohamed	Sign	UIR	☐ G1 ☐ G2 ☐ G3 ☐ D1 ☐ D2 ☐ D3 ☐ D4 ☐ D5 ☐ D6 ☐ D7 ☐ D8 ☐ D9 ☐ D10 ☐ D11 ☐ D12 ☐ D13 ☐ D14 ☐ D15 ☐ D16 ☐ D17 ☐ D18 ☐ D19 ☐ D20 ☐ D21 ☐ D22 ☐ D23 ☐ D24 ☐ D25 ☐ D26 ☐ D27 ☐ D28 ☐ D29 ☐ D30 ☐ D31 ☐ D32 ☐ D33 ☐ D34 ☐ D35 ☐ D36 ☐ D37 ☐ D38 ☐ D39 ☐ D40 ☐ D41 ☐ D42 ☐ D43 ☐ D44 ☐ D45 ☐ D46 ☐ D47 ☐ D48 ☐ D49 ☐ D50 ☐ D51 ☐ D52 ☐ D53 ☐ D54 ☐ D55 ☐ D56 ☐ D57 ☐ D58 ☐ D59 ☐ D60 ☐ D61 ☐ D62 ☐ D63 ☐ D64 ☐ D65 ☐ D66 ☐ D67 ☐ D68 ☐ D69 ☐ D70 ☐ D71 ☐ D72 ☐ D73 ☐ D74 ☐ D75 ☐ D76 ☐ D77 ☐ D78 ☐ D79 ☐ D80 ☐ D81 ☐ D82 ☐ D83 ☐ D84 ☐ D85 ☐ D86 ☐ D87 ☐ D88 ☐ D89 ☐ D90 ☐ D91 ☐ D92 ☐ D93 ☐ D94 ☐ D95 ☐ D96 ☐ D97 ☐ D98 ☐ D99 ☐ D100

CODE -1	CODE -1	CODE -1	CODE -2	CODE -3
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EXPLANATION OF WORK TO BE INSPECTED		Item
AREA	Element	Benchmarks
	From ST -0+150 to ST-0+000	Slope 1
CALCULATED	Total Pouring M3	Side R
		Supplier

Inspection Description:
Concrete pouring for slope protection works

INSPECTION DETAILS The following will be ready at the Planned Inspection Time	
Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE (must be included as appropriate)	
Checklist Attached ☐	Test Results Attached ☐ Calibration Attached ☐ Other as indicated ☒
Other attachments	(Reports)
Drawing Reference	ITP Reference
PLAN PROFILE VER 1.1	NA

Comments by: (ELRAHED CONSULTANT ENGINEER)	Comments by: GENERAL CONSULTANT (SYSTRA)
- Contractor have to take advices for testing	Approved & checked
NAME: Elrahb Awa	

INSPECTION RESULT	
Organisation	Name
Contractor Licence No.	Hamdy Zakaria
Contractor Name	Mohamed
Contractor Consultant	Hamdy Awa
Contractor	22/6/2023
Employers Representative	22-10-2023
Approval	Please Tick if
AWCR	

مستند رقم 545

Order Date : 23/10/2023

Customer: الجبل

Batch Name: T1-170-235

Start Time: 12:12:08

Materials

Hopper 1: AGG1

Hopper 2: AGG 2

Hopper 3: sand

Hopper 4: AGG 3

Water: WATER

Silo 1: CEMENT 1

Silo 2: CEMENT 2

Silo 3: CEMENT 3

Silo 4: CEMENT 4

Additive 1: ADD 1

Additive 2: ADD 1

Additive 3: ADD 1

Order No.: 13

Site: الجبل

Stress: 250

End Time: 12:20:02

Driver: III

Duration: 00:07:54

Car No.: III

Quantity: 9.00 m3

Batches No.: 5

1 M3	Tot. Req	Tot. Actual	Diff	Error
565	5085	5091	6	0.12 %
535	4815	4815	-0	-0.01 %
795	7155	7148	-7	-0.10 %
0	0	0	0	0.00 %
200	1800	1811	11	0.61 %
310	2790	2792	2	0.08 %
0	0	0	0	0.00 %
0	0	0	0	0.00 %
0	0	0	0	0.00 %
0.00	0.00	0.00	0.00	0.00 %
4.25	38.25	38.33	0.08	0.21 %
0.00	0.00	0.00	0.00	0.00 %

مستقبل ريدى سكرى

Order Date : 23/10/2023
 Customer: الجرج
 Batch Name: 11-10-2023
 Start Time: 12:27:07
 Materials
 Hopper 1: AGG1
 Hopper 2: AGG 2
 Hopper 3: sand
 Hopper 4: AGG 3
 Water: WATER
 Silo 1: CEMENT 1
 Silo 2: CEMENT 2
 Silo 3: CEMENT 3
 Silo 4: CEMENT 4
 Additive 1: ADD 1
 Additive 2: ADD 1
 Additive 3: ADD 1

Order No.: 14
 Site: الجرج
 Stress: 250
 End Time: 12:35:09

Driver: 111

Duration: 00:08:02

Car No.: 111
 Quantity: 9.00 m3
 Batches No.: 5

	1 M3	Tot. Req	Tot. Actual	Diff	Error
Hopper 1: AGG1	565	5085	5079	-6	-0.12 %
Hopper 2: AGG 2	535	4815	4826	11	0.22 %
Hopper 3: sand	795	7155	7152	-3	-0.04 %
Hopper 4: AGG 3	0	0	0	0	0.00 %
Water: WATER	200	1800	1813	13	0.72 %
Silo 1: CEMENT 1	310	2790	2783	-7	-0.25 %
Silo 2: CEMENT 2	0	0	0	0	0.00 %
Silo 3: CEMENT 3	0	0	0	0	0.00 %
Silo 4: CEMENT 4	0	0	0	0	0.00 %
Additive 1: ADD 1	0.00	0.00	0.00	0.00	0.00 %
Additive 2: ADD 1	4.25	38.25	38.25	0.00	0.00 %
Additive 3: ADD 1	0.00	0.00	0.00	0.00	0.00 %

استورس ريدى ميكنس

Order Date : 22/10/2023
Customer:
Batch Name: 250/310
Start Time: 15:43:04

Order No.: 26
Site:
Stress: 250
End Time: 15:50:48

Driver: 111

Car No.: 111
Quantity: 9.00 m3
Batches No.: 5

Materials	1 M3	Tot. Req	Tot. Actual	Diff	Error
Hopper 1: AGG1	565	5085	5095	10	0.19 %
Hopper 2: AGG 2	535	4815	4792	-23	-0.48 %
Hopper 3: sand	795	7155	7202	47	0.66 %
Hopper 4: AGG 3	0	0	0	0	0.00 %
Water: WATER	200	1800	1811	11	0.61 %
Silo 1: CEMENT 1	310	2790	2792	2	0.07 %
Silo 2: CEMENT 2	0	0	0	0	0.00 %
Silo 3: CEMENT 3	0	0	0	0	0.00 %
Silo 4: CEMENT 4	0	0	0	0	0.00 %
Additive 1: ADD 1	0.00	0.00	0.00	0.00	0.00 %
Additive 2: ADD 1	3.00	27.00	26.70	-0.30	-1.11 %
Additive 3: ADD 1	0.00	0.00	0.00	0.00	0.00 %

الاستراتيجية

Order Date : 22/10/2023

Order No.: 25

Customer: مرسى

Site: المرسى

Batch Name: 250/310

Street: 250

Start Time: 15:30:30

End Time: 15:38:37

Duration: 00:08:07

Batches No.: 5

Quantity: 9.00 m3

Car No.: 111

Driver: 111

Materials	1 M3	Tot. Req	Tot. Actual	Diff	Error
Hopper 1: AGG1	565	5085	5084	-1	-0.01 %
Hopper 2: AGG 2	535	4815	4820	5	0.11 %
Hopper 3: sand	795	7155	7194	39	0.55 %
Hopper 4: AGG 3	0	0	0	0	0.00 %
Water: WATER	200	1800	1812	12	0.67 %
Silo 1: CEMENT 1	310	2790	2801	11	0.40 %
Silo 2: CEMENT 2	0	0	0	0	0.00 %
Silo 3: CEMENT 3	0	0	0	0	0.00 %
Silo 4: CEMENT 4	0	0	0	0	0.00 %
Additive 1: ADD 1	0.00	0.00	0.00	0.00	0.00 %
Additive 2: ADD 1	3.00	27.00	26.85	-0.15	-0.56 %
Additive 3: ADD 1	0.00	0.00	0.00	0.00	0.00 %

استورس روي ميكنس

Order Date : 22/10/2023
Customer: الجرجاني
Batch Name: 2506310
Start Time: 14:48:23

Order No.: 24
Site: الجرجاني
Stress: 250
End Time: 14:56:08

Driver: 111

Car No.: 111
Quantity: 9.00 m3
Batches No.: 5

Duration: 00:07:45

Materials	1 M3	Tot. Req	Tot. Actual	Diff	Error
Hopper 1: AGG1	565	5085	5081	-4	-0.08 %
Hopper 2: AGG 2	535	4815	4824	9	0.19 %
Hopper 3: sand	795	7155	7186	31	0.43 %
Hopper 4: AGG 3	0	0	0	0	0.00 %
Water: WATER	200	1800	1814	14	0.78 %
Silo 1: CEMENT 1	310	2790	2787	-3	-0.12 %
Silo 2: CEMENT 2	0	0	0	0	0.00 %
Silo 3: CEMENT 3	0	0	0	0	0.00 %
Silo 4: CEMENT 4	0	0	0	0	0.00 %
Additive 1: ADD 1	0.00	0.00	0.00	0.00	0.00 %
Additive 2: ADD 1	3.00	27.00	26.80	-0.20	-0.74 %
Additive 3: ADD 1	0.00	0.00	0.00	0.00	0.00 %

E-Forisan from St. 0+150 to St. 0+000				
St.			Left	Right
			0+150	
			0+144	
			0+135	
			0+126	
			0+117	
			0+108	
			0+099	
			0+090	
			0+081	
			0+072	
			0+063	
			0+054	
			0+045	
			0+036	
			0+027	
			0+018	
			0+009	
			0+000	

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. 13-A-1.1

1. Concrete Pouring Inspection was carried-out, Slump and temp. found acceptable.
2. Compressive strength of concrete cubes taken to comply with project specs.
3. Concrete plant to be approved by general consultant.
4. All concrete tests result to comply with project specs.
5. Concrete curing to be done as per project specs.
6. Control joints inspected and approved by GARB consultant (EL-RAEID).
7. Fiber MAR and MIR to be approved by GARB consultant and submitted to General consultant.
8. There is no typical sec. for drainage pipe.
9. Drainage pipe typical sec. to be approved and submitted.
10. Drainage pipe to be implemented and inspected in new IR.
11. Implementation of drainage pipes are contractor responsibility.
12. Alignment maintenance after slope protections is contractor responsibility.
13. Final approval is subject to submitting final inspection request with code A from GARB consultant.

ENG. ~~Mohamed Saad~~

Location Name		Contractor Company	Designer Company
Issued by Contractor	Name <i>Handy Baker</i>	Sign <i>Nadim</i>	Date <i>12.12.2023</i>
Contractor Reference	<i>(T4-A1.1)</i>		Revision
Received by ER	<i>Mohamed Samir</i>	<i>MSA</i>	

NB: Package 1 Only (Package 2 via Aconex)
 THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW
 Description of Test Materials

Location of Test				
-0+150 To +000 S&R				
Item	Specification	Test Requirement	Test Result Attachment	Remarks
1	187.5 kg/cm ²	3 days		
2	250 kg/cm ²	28 days		
3				
4				
5				

Comments by:	Comments by:
- Acceptable Results for the Compressive strength Raised For Consulting Engineering	Attached result are accepted

APPROVAL STATUS				
Contractor	Name <i>Handy Baker</i>	Sign <i>Nadim</i>	Date <i>12.12.2023</i>	Approved By <i>A</i>
Designer	<i>Mohamed Samir</i>		<i>12-12-2023</i>	<i>A</i>
GARB				
Employers Representative	<i>Mohamed Samir</i>	<i>MSA</i>	<i>3.1-2.24</i>	<i>A</i>

ARDAMAN SpA

MATERIALS AND CONSTRUCTION TESTING

S.A.E

J ARD + I KARY AHMED M. MOHAMMEDSEEN - CIZA

Tel : 3448013 - Fax : 3631719

Project: Electric Express Train

File No: 4800/5

Client: شركة مصر

Date: 03/01/2024

COMPRESSIVE STRENGTH OF
TEST CUBE OF CONCRETE SPECIMEN
ACCORDING TO BS 1881-116: 1983

Location: St-0-150 To 0+000 - Slope Protection - Right side

Concrete Class: C 25

Cast by: GB

Type of Curing: By the Client

Date of Casting: 05/12/2023

Dimensions: 15x15x15 cm

Cube Iden. No.	Unit Weight (kg/cm^3)	Date of Testing	Age of Cubes (days)	Area Loaded (cm^2)	Crushing Load (kg)	Compressive Strength (kg/cm^2)
1	2.465	03/01/2024	29	225	75378	335
2	2.427	03/01/2024	29	225	58446	260
3	2.468	03/01/2024	29	225	57018	253
Average						283

Notes:

- Location of the concrete casting was identified and given by client.
- Ardaman - SpA company is not responsible for cubes tested or cured by client.
- The Client is a responsible of The Above Data

Prepared by: Ezzat Mohamed

Reviewed by: Eng. Osama Mofleh



مُدرسة جي بي الحديثة

REPORT OF COMPRESSION OF CONCRETE SPECIMENS

Test Standard ECT 2002-2007 (7-2) & BS 1881 - Part 116:1983

CLIENT :	المستفيد	SAMPLED BY :	شركة جي بي
PROJECT :	مبنى قسطنطين طلبة	Cement Content/Type :	250-300 OPC
CONSULTANT :		STRUCTURE ELEMENT :	سور
DATE OF CASTING :	5/12/2023	SPECIFIED STRENGTH :	250 kg/cm ²
POURED QUANTITY :	m ³	NO. OF SAMPLES MADE :	3
TARGET SLUMP :	170+-30 mm	REF NO. :	122.

Results :

Specimen Reference	1	2	3		
Date of Test	20/12/2023				
Age of Test (Days)	7	7	7		
Moist. Condition at Testing	MOIST	MOIST	MOIST		
Shape Of Specimen	Cube	Cube	Cube		
Average Dimension (mm)	150	150	150		
Weight (g)	8009	8015	8037		
Density (Tons/m ³)	2.373	2.373	2.381		
Failure Load (kN)	536	549	555		
Comp. Strength	248	246	251		
Average 3 Days k (f)	247				

Remarks :

Note : Specified Loading Rate Range = 4.5kN/s to 9.0 kN/s or (6.8kN/s)

Lab. Technician:			
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UNIVERSAL INSPECTION REQUEST



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours
The Work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company	
Issued by Contractor	Name	Sign	Date	Time	
	Hamdy Zakaria		14/12/2023		
Contractor UIR Reference	(EXJ.5 A 1.1)			Revision	
Received by ER		UIR	C1	C2	C3
			DD	MM	YY
			HH	MM	
CODE-1 S1 to S21 Station Reference	CODE-1 D1 to D3 Depot Reference	CODE-1 Rp XXX For Kilometer point only	CODE-2 Work Activity		CODE-3 Sub Element of Activity

EXPLANATION OF WORK TO BE INSPECTED		
Area	Element	Item
-0+150 to 0+000	-0+150 to 0+000	up to feet + Si "L"
<u>Inspection Description :</u> Installing the foam in the expansion joints for slope protection works		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time	
Planned Inspection Date	Planned Inspection Time

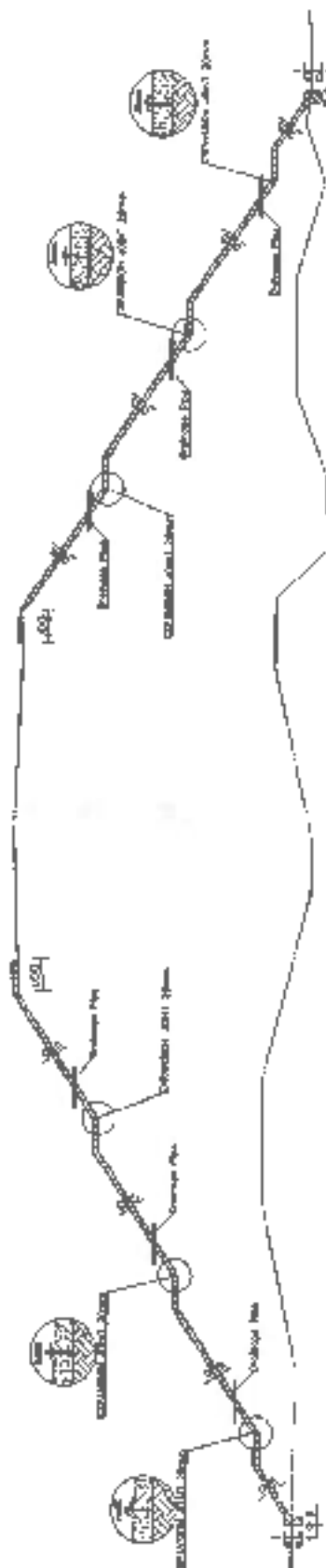
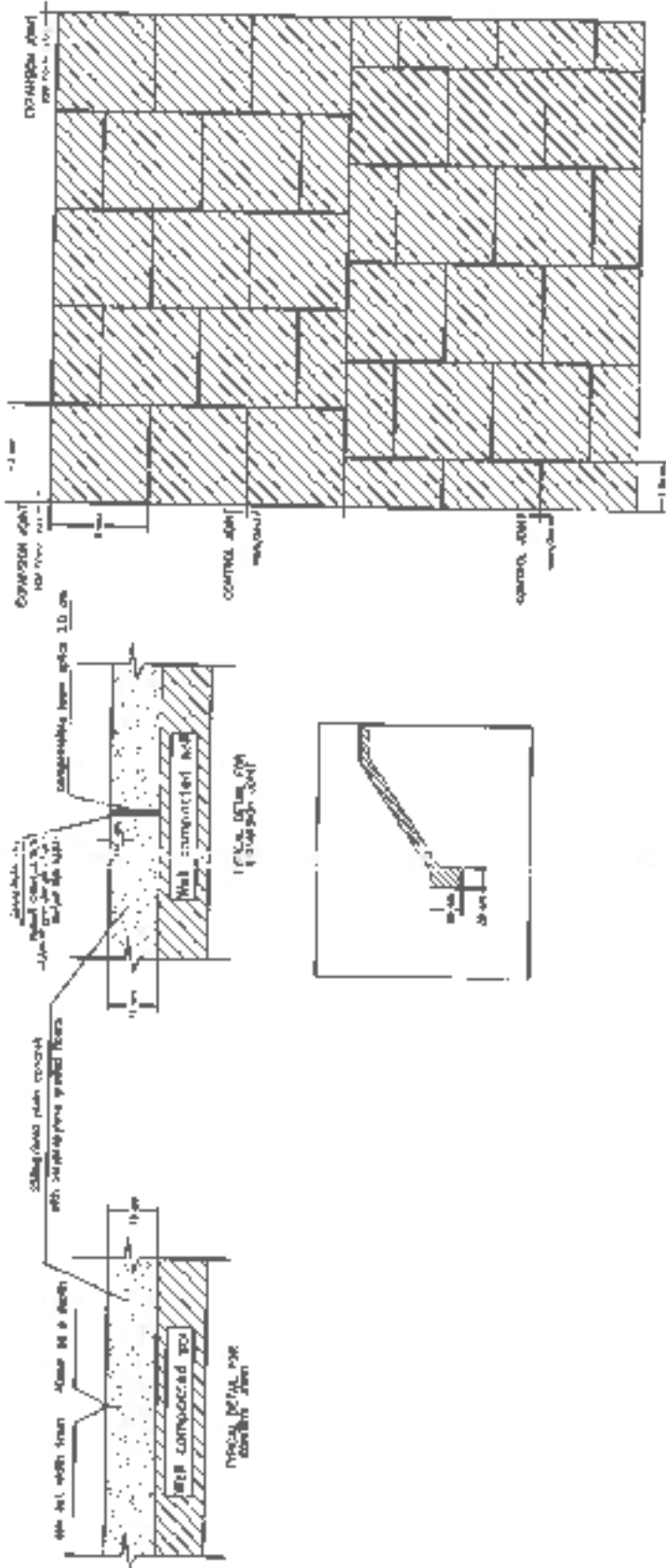
COMPLIANCE EVIDENCE must be included as appropriate			
Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other As Indicated ☐
Drawing Reference	I/P Reference	MS Reference	

Comments by: El-Raed	Comments by: Systra
plant expansion joints is already work may proceed	Comment attached

INSPECTION RESULT						Approval Status	Please Tick if Not Attend
Organisation	Name	Sign	Designation	Date	Time	A-AWC-F	
Contractor Construction	Hamdy Zakaria			14/12/2023		A	
Contractor QA/QC	Mohd Sabur			14/12/2023		A	
GARB*							
Employer Representative	Mohd Sabur			14/12/2023			

El-Forsan from St. -0+150 to St. 0+000								
Left				St.	Right			
				-0+150				
				-0+144				
				-0+135				
				-0+126				
				-0+117				
				-0+108				
				-0+099				
				-0+090				
				-0+081				
				-0+072				
				-0+063				
				-0+054				
				-0+045				
				-0+036				
				-0+027				
				-0+018				
				-0+009				
				-0+000				

Typical cross section for slope protection



Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. *EET/IR/1*

1. Expansion Joints inspected and approved by GARB consultant.
2. Foam MAR, MIR to be approved by GARB Consultant and submitted to general consultant.
3. Work may proceed as per approved specs & testing frequency.

ENG: Mohamed Saad



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company	
					
Issued by Contractor	Name	Sign	Date	Time	
	Hamdy Zakaria	Neofish	21-10-2023		
Contractor UIR Reference	(F.2 - A.1.1)			Revision	
Received by ER	Mohamed Samir	[Signature]	UIR	C1	C2
				C3	C4
CODE-1 S1 to S21 Station Reference		CODE-1 D1 to D3 Depot Reference		CODE-1 Kp XXX For Kilometer point only	
				CODE-2 Work Activity	
				CODE-3 Sub Element of Activity	

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
-0+150 to 0+200	from -0+150 to 0+000	S2 Right
Inspection Description :		
h.o.m works for slope protection works		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be Included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as Indicated ☐
Drawing Reference	ITP Reference	MS Reference	

Comments by: El-Raed

- Engineer's ITP completed with
and cover with water
- work may proceed

Comments by: Systra

Comments attached

INSPECTION RESULT

						Approval Status	Please Tick if Not Attend
Organisation	Name	Sign	Designation	Date	Time	A-AWC-R	
Contractor Construction	Hamdy Zakaria	Neofish		21-10-2023		A	
Contractor QM/QC	Mohamed Samir	[Signature]		21-10		A	
GARP*							
Employer Representative	Mohamed Samir	[Signature]				AWC	

RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	EL Por San		Design "or" Company	DR. Hassan Mahdy (H.M.C)																	
Issued By Contractor	Name Hassan Mahdy	Sign Hassan Mahdy	Date	26-9-2023																	
Contractor UIR Reference	12-A1-11																				
Received by ER	Hassan Mahdy		UIR	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>VM</td> </tr> <tr> <td>12</td> <td>09</td> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		C1	C2	C3	DD	MM	YY	HH	VM	12	09	11					
C1	C2	C3	DD	MM	YY	HH	VM														
12	09	11																			
CODE -1	CODE -1	CODE -1	CODE -2	CODE -3																	

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
-0+150 to 0+100	-0+150 to 0+000	(Surveying) مخطط
Inspection Description: We request your attendance to inspect Points affected for M. AS-build		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	Surveying sheets (Master sheet + Cross sections + Width sheets)		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (GARB SURVEY CONSULTANT (XYZ))	Comments by: GENERAL CONSULTANT (SYSTAA)
SURVEYING WORKS (LEVELS - COORDS-WIDTH) Are inspected and found acceptable. Work may proceed.	Comment attached
NAME: Hassan Mahdy	

INSPECTION RESULT

Organisation	Name	Sign	Date	Time	Approval Status	Please Tick if Not Applicable
Contractor Engineer	Hassan Mahdy	Hassan Mahdy	26-9-2023		A-AWC-R	
Contractor QA/QC	H.M.C	H.M.C	26/9/2023	16:00	AWC	
GARB**			26/9/2023		AWC	
Employers Representative	H.M.C	H.M.C	27-9-2023		AWC	

* Designer

** Supplement Bridging Engineer/Unit

مهندس الشركة المفضلة

RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	El Farsan	Designer Company*	DR. Hassan Marzouq (H.M.C)
SSLD by Contractor	Name: <u>Handy Zaid</u> Sign: <u>Handy Zaid</u>	Date	Time
Contractor UIR Reference	SH-2: A.1	8.10.2023	
Received by IIR	<u>Muhammad Sami</u>	UIR	12.50.77

CODE -1	CODE -1	CODE -1	CODE -2	CODE -3
---------	---------	---------	---------	---------

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
-0+150 to 0+1000	-0+150 TO 0+000	
Inspection Description: Back filling of () UP To St. + () layer () We request your attendance to witness these coordinates as attached		

INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	Surveying sheets (Master sheet + Cross sections + Width sheets)		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (GARB SURVEY CONSULTANT (XYZ))

SURVEYING WORKS (LEVELS - CORRDNATS. WIDTH) ARE INSPECTED AND FOUND: acceptable

WORKS MAY: increase

NAME: Muhammad Sami

Comments by: GENERAL CONSULTANT (SYSTR)

Comments: attached

INSPECTION RESULT

Organization	Name	Sen	Date	Time	Approval Status	Please Tick
Contractor Engineer	<u>Handy Zaid</u>	<u>Handy Zaid</u>	<u>8/10/2023</u>		APPROVED	Not Attended
Contractor QA/QC	<u>Handy Zaid</u>	<u>Handy Zaid</u>	<u>8/10/2023</u>	<u>10:45</u>	APPROVED	
GARB**	<u>Handy Zaid</u>	<u>Handy Zaid</u>	<u>8/10/2023</u>	<u>10:45</u>		
Employers Representative	<u>Muhammad Sami</u>	<u>Muhammad Sami</u>	<u>8/10/2023</u>	<u>10:45</u>		

* Designer

** Approved, Bridges Civil Only

Tag Name: C/IER - 10/10/2023



محضر استلام الميزانية الشبكية من الشركات المنفذة



التاريخ: ١٥/ ٨/ ٢٠٢٣

اسم المشروع: مشروع التطوير السريع (المنطقة - الميناء)

قامت شركة إكس واي زد (XYZ) لأعمال المساحة (استلام الاتصال للمساحة) (شركة الميناء والتطوير) باستلام الميزانية الشبكية من شركة (المنطقة - الميناء)

من المنطقة رقم: ٥٤١٥٥ - ٥٤١٥٥

يلزم مهلة يجب أن يتم استلامها قبل الاستلام:

- يتم استلام البيانات بعد الانتهاء من الرصد مباشرة من الجهاز (RAW DATA)
- يتم اعتماد طريقة الميزانية المنتظمة و المنتظمة فقط في مشروع المنطقة - الميناء.
- يتم اعتماد الارصاد والميزانيات المرفوعة بالجهاز في مشروع المنطقة - الميناء ولا تقبل مدة اخر معايرة الجهاز عن 3 اشهر.
- يتم مراجعة شهادات المعايرة مع التوكيد بشكل دوري في حقل المعايرة في حقل المعايرة يتم استلام الجهاز والشخص المسؤول فوراً.
- يجب ان يكون القام باعمال الميزانية من الميزانية في مجال المعايرة وله خبرة شاملة.
- تتم مطابقة واستلام الارصاد في الموقع وفي حقل عدم مطابقة المعايرة في اكثر من 4 اماكن موزعين على المنطقة. لا يعطى بالميزانية الشبكية وتم اعادة رصدها.

ملاحظات:

رئيس فريق العمل / (المنطقة - الميناء)

مهندس الهيئة

استشاري المشروع

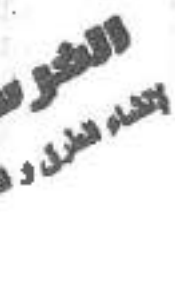
استشاري المساحة

مهندس الشركة

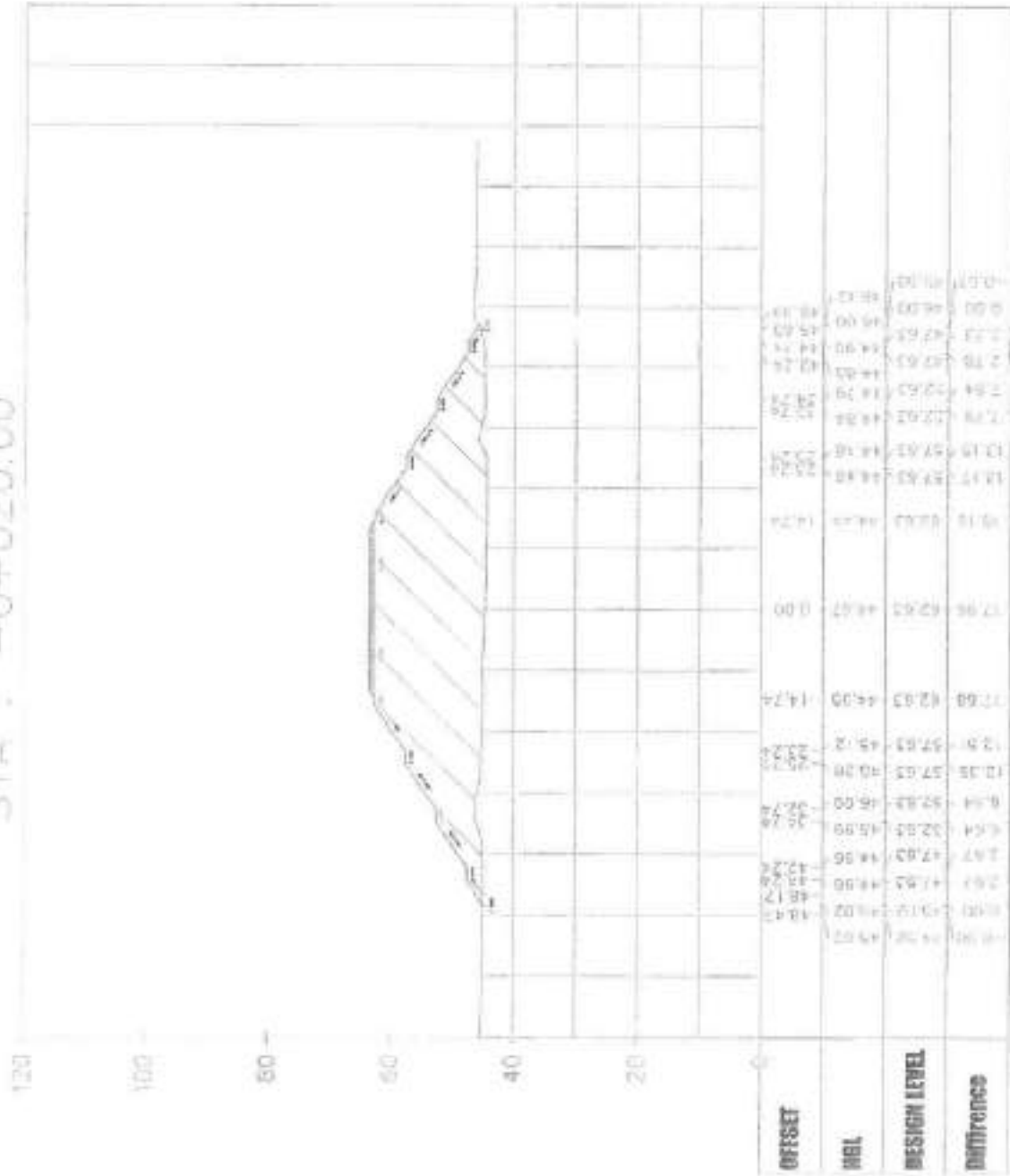
مهندس الهيئة

مهندس الهيئة

مهندس الهيئة



STA : -0+020.00



S.P : -0+020.00	
S.P	
Volume	231.20 m3
Cum Vol	1,518.12 m3

F.T : -0+020.00	
F.T	
Volume	6.00 m3
Cum Vol.	39.00 m3



رشد

Sheet No. 1
 1- The design is for a road with a width of 10.00m and a depth of 0.50m.
 2- The design is for a road with a width of 10.00m and a depth of 0.50m.
 3- The design is for a road with a width of 10.00m and a depth of 0.50m.
 4- The design is for a road with a width of 10.00m and a depth of 0.50m.
 5- The design is for a road with a width of 10.00m and a depth of 0.50m.
 6- The design is for a road with a width of 10.00m and a depth of 0.50m.
 7- The design is for a road with a width of 10.00m and a depth of 0.50m.
 8- The design is for a road with a width of 10.00m and a depth of 0.50m.
 9- The design is for a road with a width of 10.00m and a depth of 0.50m.
 10- The design is for a road with a width of 10.00m and a depth of 0.50m.

Legend :

SP : Subgrade
 FT : Fill

Scale	1:1000
Author	
Checker	
Reviewer	
Approver	

Design of Roadway and Drainage

Design of Roadway and Drainage

Design of Roadway and Drainage

Design of Roadway and Drainage

Design of Roadway and Drainage

Design of Roadway and Drainage

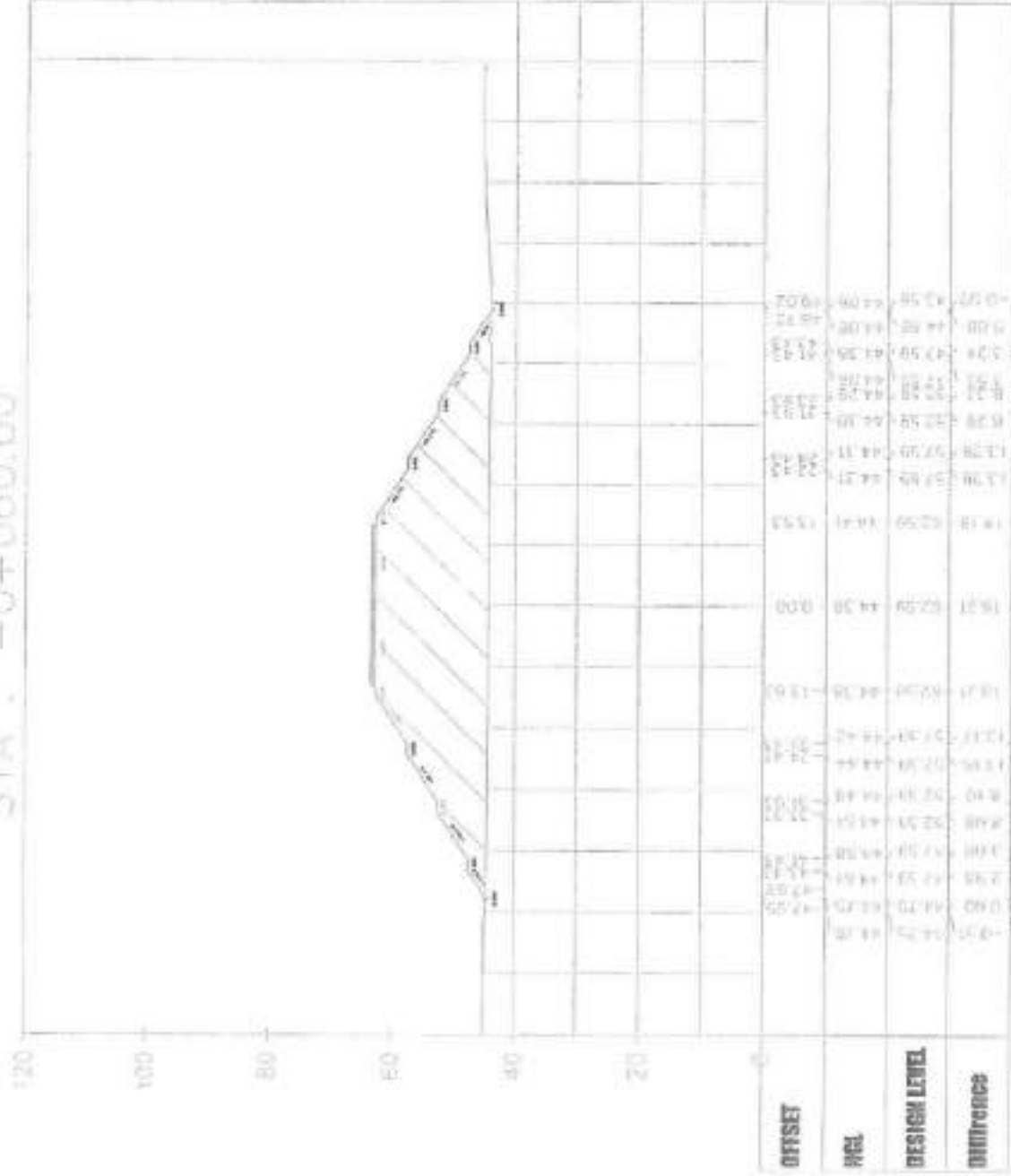
Design of Roadway and Drainage

Design of Roadway and Drainage

Design of Roadway and Drainage

Design of Roadway and Drainage

STA : -0+050.00



S.P : -0+050.00

S.P

Volume 233.60 m3

Cum Vol 1,050.16 m3

FT : -0+050.00

F.T

Volume 6.00 m3

Cum. Vol. 27.00 m3

ملاحظات:
1- تم إعداد هذا المخطط بناءً على البيانات الواردة في التقرير الفني.
2- تم إجراء الحسابات باستخدام برنامج AutoCAD.
3- تم التحقق من دقة الحسابات باستخدام برنامج Excel.
4- تم إعداد هذا المخطط بناءً على البيانات الواردة في التقرير الفني.
5- تم إجراء الحسابات باستخدام برنامج AutoCAD.
6- تم التحقق من دقة الحسابات باستخدام برنامج Excel.

(Legend)

محطة القبول النهائية
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Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. F2-A1.1

1. Surveying works (Levels, coordinates & NO. of berms) are inspected and approved by GARB consultant. (IR copy is attached)
2. Formworks were approved by GARB consultant (EL-RAEID), all comments to be implemented.
3. Work may proceed.

ENG: Mohamed Saad



SUBMISSION of TEST RESULTS

الهيئة العامة للطرق والمواصلات



Location Name		Contractor Company		Designer Company	
Issued by Contractor	Name	Sign	Date	Time	
	Hamdy Zakaria	Hamdy Naeem	23.10.2023		
Contractor Reference	(T-1.1-A-1.1)				Revision
Received by ER			SNA	☐ C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5 ☐ C6 ☐ C7 ☐ C8 ☐ C9 ☐ C10	

NB: Package 1 Only (Package 2 via Aconex)

THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW

Description of Test Materials				
Location of Test				
St. [-0+150 to 0+000] R				
Item	Specification	Test Requirement	Test Result Attachment	Remarks
1	1875 kg/cm ²	7 days		
2	250 kg/cm ²	28 days		
3				
4				
5				

Comments by:	Comments by:
-Acceptable results for the compressive strength	attached results are accepted

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-APPROB
Contractor	Hamdy Zakaria	Hamdy Naeem	23-10-2023	A
Designer	Mustafa shams	shams	23-10-2023	A
GARB *				
Employers Representative	Mohamed Saad		21-11-2023	A

* Signature / Initials: Contractor only

A= Approved; AWC= Approved with Comments; R= Rejected

Compressive Strength Report

Client Name :	El Forsan Co.
Project :	Express Train
Location :	Aln El Sokhan
Date of Casting :	16/10/2023
Date of Crushing:	23/10/2023
Strength :	250 kg/cm ²
Cement Content :	310 Kg/m ³
Type of Cement :	OPC
Element :	Slopes Protection
Dimension of Mold :	15*15*15 cm

Cube No	Age Day	Weight Kg	Density T/m ³	Loading KN	Strength Kg/cm ²	Average Kg/cm ²	Percentage %	Remarks
1	7	8.195	2.43	613	278	270	108	
2		8.176	2.42	579	262			
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

QC Engineer

Mahmoud Mamouda El Hawary

Compressive Strength Report

Client Name :	El FersanCo.
Project :	Express Train
Location :	Ain El Sokhan
Date of Casting :	17/10/2023
Date of Crashing:	24/10/2023
Strength :	250 kg/cm2
Cement Content :	310 Kg/m3
Type of Cement :	OPC
Element :	Slopes Protection
Dimension of Mold :	15*15*15 cm

Cube No	Age Day	Weight Kg	Density T/M3	Loading KN	Strength Kg/cm2	Average Kg/cm2	Percentage %	Remarks
1	7	8.265	2.45	593	269	272	109	
2		8.234	2.44	608	275			
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								


 QC Engineer

Mahmoud Hamed El Hawary



شركة جي بي الدولية
للخبرات والجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

Test Standard ECP 203-2007-(7-2) & BS 1881 - Part 116:1983

CLIENT :	شركة القرس	SAMPLED BY :	شركة جي بي
PROJECT :	محطة المطار السريع ط السكة	Cement Content/Type :	300 ope
CONSULTANT :		STRUCTURE ELEMENT :	ممر
DATE OF CASTING :	24-10-2023	SPECIFIED STRENGTH :	250kg/cm ²
POURED QUANTITY :	66 m ³	NO. OF SAMPLES MADE :	3
TARGET SLUMP :	170+/-30 mm	REF NO. :	1.23.

Results :

Specimen Reference	1	2	3			
Date of Test	31/10/2023					
Age of Test (Days)	7	7	7			
Moist. Condition at Testing	MOIST	MOIST	MOIST			
Shape Of Specimen	Cube	Cube	Cube			
Average Dimension (mm)	150	150	150			
Weight (g)	8050	7925	8140			
Density (Ton/m ³)	2.379	2.348	2.415			
Failure Load (kN)	465	535	504			
Comp. Strength	211	242	228			
Average 28 Days				Reference : OC-F-14-issat-1-Page:1		
Average 7 Days K.G	227					
Average 98 Days K.G						

Remarks :

Note : Specified Loading Rate Range = 1.5kN/s to 2.0kN/s or 160kN/s

Lab Technician	Engineer	J.V	QC Engineer



ARDAMAN Split

MATERIALS AND CONSTRUCTION TESTING S.A.E

3 ABD EL-KAWY AHMED St., MOHANDEESEEN - GIZA

Tel. : 3448413 - Fax. : 3031719

Project: Electric Express Train

File No: 4300/S

Client

شركة القرماس

Date: 14/11/2023

COMPRESSIVE STRENGTH OF TEST CUBE OF CONCRETE SPECIMEN ACCORDING TO BS 1881-116: 1983

Location: St.-0+150 To0+000 - Slope Protection - Right side

Concrete Class: C 25

Cast by: شركة القرماس للحرساة الصخرية

Type of Curing: By the Client

Date of Casting: 16/10/2023

Dimension: 15*15*15 cm

Cube Iden. No.	Unit Weight (gm/cm ³)	Date of Testing	Age of Cubes (days)	Area Loaded (cm ²)	Crushing Load (kg)	Compressive Strength (kg/cm ²)
1	2.416	14/11/2023	29	225	36753	252
2	2.428	14/11/2023	29	225	71196	316
3	2.391	14/11/2023	29	225	73141	325
Average						298

Notes:

- Location of the concrete casting was identified and given by client.
- Ardaman - Split company is not responsible for cubes casted or cured by client
- The Client is responsible of The Above Data

Prepared by: Eng. Mahmoud Nassr

Reviewed by: Eng. Osama Mostafa

Compressive Strength Report

Client Name :	El Forsan Co.
Project :	Express Train
Location :	Aln El Sekhan
Date of Casting :	17/10/2023
Date of Crashing:	14/11/2023
Strength :	250 kg/cm ²
Cement Content :	310 Kg/m ³
Type of Cement :	OPC
Element :	Slopes Protection
Dimension of Mold :	15*15*15 cm

Cube No	Age Day	Weight Kg	Density T/M ³	Loading KN	Strength Kg /cm ²	Average Kg/ cm ²	Percentage %	Remarks
1	28	8.268	2.45	642	291	295	116	
2		8.234	2.44	639	289			
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

QC Engineer
Mahmoud Hamouda El Nowary




شركة جي بي الدولية

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

Test Standard ECP 203-2007-(7-2) & BS 1881 - Part 116:1983

CLIENT :	المقرين	SAMPLED BY :	شركة جي بي
PROJECT :	القطر السريع ط السفلى	Cement Content/Type :	250-300 OPC
CONSULTANT :		STRUCTURE ELEMENT :	ميول
DATE OF CASTING :	24/10/2023	SPECIFIED STRENGTH :	250 kg/cm ²
POURED QUANTITY :	66 m ³	NO. OF SAMPLES MADE :	3
TARGET SLUMP :	170+/-20 mm	REF NO. :	1.2.3.

Results :

Specimen Reference	1	2	3			
Date of Test	21/11/2023					
Age of Test (Days)	28	28	28			
Moist. Condition at Testing	MOIST	MOIST	MOIST			
Shape Of Specimen	Cube	Cube	Cube			
Average Dimension (mm)	150	150	150			
Weight (g)	8193	8199	8222			
Density (Ton/m ³)	2.428	2.429	2.436			
Failure Load (kN)	682	666	664			
Comp. Strength	286	302	301			
Average 3 Days						
Average 28 Days & G	296					

Remarks :

Note : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or 45.8kN/S

Lab Technician	Engineer	J.V



UNIVERSAL INSPECTION REQUEST



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be completed and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company	
Issued by Contractor	Name	Sign	Date	Time	
	Hamdy Zakaria		21.10.2023		
Contractor UIR Reference	(EXJ-2-A 1.1)				Revision
Received by ER		UIR	C1	C2	C3
			UD	MM	YY
			HH	MM	
CODE-1 S1 to S21 Station Reference	CODE-1 S2 to S3 Caret Reference	CODE-1 Km 200K The Kilometer point only	CODE-2 Work Activity	CODE-3 Sub Element of Activity	

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
0+150 to 0+200	-0+150 to 0+200	S2R
Inspection Description : Installing the foam in the expansion joints for slope protection works		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be Included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☐
Drawing Reference	ITP Reference	MS Reference	

Comments by: EI-Raed	Comments by: Systra
placed expansion joints are acceptable work may proceed	Comments attached

INSPECTION RESULT

Organisation	Name	Sign	Designation	Date	Time	Approval Status	Please Tick if Not Attend
Contractor Construction	Hamdy Zakaria			21.10.2023		A	
Contractor QA/QC	Mohamed Saleh			21.10		A	
GARB*							
Employer Representative	Mohamed Saleh			21.10.2023		AWC	

File Name: J



El-Forsan from St. -0+150 to St. 0+000											
Left				St.	Right						
				0+00							
				-0+9							
				-0+18							
				-0+27							
				-0+36							
				-0+45							
				-0+54							
				-0+63							
				-0+72							
				-0+81							
				-0+90							
				-0+99							
				-0+108							
				-0+117							
				-0+126							
				-0+135							
				-0+144							
				-0+150							

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. *E-J4-A1-1*

1. Expansion Joints inspected and approved by GARB consultant.
2. Foam MAR, MIR to be approved by GARB Consultant and submitted to general consultant.
3. Work may proceed as per approved specs & testing frequency.

[Signature]
ENG: Mohamed Saad



REQUEST to POUR CONCRETE



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company			Designer Company*	
Issued by Contractor	Name Hamdy Zakaria	Sign Nadisi	Date 16.10.2023	Time
Contractor UIR Reference	(P-11-A1.1)			
Received by ER	Mohamed Samir	UIR	C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 C27 C28 C29 C30 C31 C32 C33 C34 C35 C36 C37 C38 C39 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78 C79 C80 C81 C82 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100	
CODE -1	CODE -1	CODE -1	CODE -2	CODE -3

EXPLANATION OF WORK TO BE INSPECTED		
AREA	Element	Item
-0+150 To 0+000	From ST -0+150 to ST -0+000	Benchmarks: 4
	Total Pouring M3	Slope: 1
	225m ³	Slope: R
Inspector Description: • Concrete pouring for slope protection works		Supplier: Express

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time:	
Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate			
Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as Indicated ☒
Other attachments	{Reports}		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (ELRAEID CONSULTANT ENGINEER)	Comments by: GENERAL CONSULTANT (SYSTRA)
- Follow up the slump and temp. of concrete during pouring - Concrete must be cured and slabs must be well finished	Comments attached
NAME: Chab Anas	

INSPECTION RESULT				Approval	Please Tick if
Organisation	Name	Sign	Date		Not Attend
Contractor Engineer	Hamdy Zakaria	Nadisi			
Contractor QA/QC*					
Contractor Consultant	Chab Anas		16/10/2023	A	
GARB**					
Employers Representative	Mohamed Samir		16-10-2023	Aac	

El Farsan from St. -0+150 to St. 0+00										
				St.						
Left					Right					
				-0+150						
				-0+140						
				-0+130						
				-0+120						
				-0+110						
				-0+100						
				-0+90						
				-0+80						
				-0+70						
				0+60						
				-0+50						
				-0+40						
				-0+30						
				-0+20						
				-0+10						
				0+00						

اكسپريس روڈي ميكنس

Order Date : 17/10/2023

Order No. 11

Customer: مہربان

Site: ایڈر سٹریٹ

Batch Name: 250/310

Stress: 250

Start Time: 12:40:57

End Time: 12:48:50

Driver: 111

Duration: 00:07:53

Car No.: 111

Quantity: 9.00 m³

Batches No.: 5

Materials

	1 M3	Tot. Req	Tot. Actual	Diff	Error
Hopper 1: AGG 1	555	4995	4936	-9	-0.19 %
Hopper 2: AGG 2	545	4905	4915	10	0.19 %
Hopper 3: sand	795	7155	7147	-8	-0.11 %
Hopper 4: AGG 3	0	0	0	0	0.00 %
Water: WATER	200	1800	1796	-4	-0.22 %
Silo 1: CEMENT 1	310	2790	2733	-7	-0.26 %
Silo 2: CEMENT 2	0	0	0	0	0.00 %
Silo 3: CEMENT 3	0	0	0	0	0.00 %
Silo 4: CEMENT 4	0	0	0	0	0.00 %
Additive 1: ADD 1	0.00	0.00	0.00	0.00	0.00 %
Additive 2: ADD 2	5.75	51.75	51.78	0.03	0.06 %
Additive 3: ADD 2	0.00	0.00	0.00	0.00	0.00 %

أكسبريس ريلدي ميكنكس

Order Date : 17/10/2023

Customer: الجرجل

Batch Name: 250/310

Start Time: 15:25:35

Order No.: 25

Site: الجرجل

Stress: 250

End Time: 15:34:28

Driver: 111

Car No.: 111

Quantity: 9.00 m3

Batches No.: 5

Duration: 00:07:53

Materials	1 M3	Tot. Req	Tot. Actual	Diff	Error
Hopper 1: AGG1	555	4995	5007	12	0.24 %
Hopper 2: AGG 2	545	4905	4904	-1	-0.02 %
Hopper 3: sand	795	7155	7154	-1	-0.02 %
Hopper 4: AGG 3	0	0	0	0	0.00 %
Water: WATER	200	1800	1793	-7	-0.39 %
Silo 1: CEMENT 1	310	2790	2795	5	0.17 %
Silo 2: CEMENT 2	0	0	0	0	0.00 %
Silo 3: CEMENT 3	0	0	0	0	0.00 %
Silo 4: CEMENT 4	0	0	0	0	0.00 %
Additive 1: ADD 1	0.00	0.00	0.00	0.00	0.00 %
Additive 2: ADD 1	6.25	56.25	56.11	-0.14	-0.25 %
Additive 3: ADD 1	0.00	0.00	0.00	0.00	0.00 %

اكسبريس ريدني ميكنس

Order Date : 17/10/2023

Customer: مصر سلا

Batch Name: 250/310

Start Time: 14:25:42

Order No.: 19

Site: مصر السلا

Stress: 250

End Time: 14:33:53

Driver: 111

Duration: 00:08:11

Car No.: 111

Quantity: 9.00 m3

Batches No.: 5

Materials	1 M3	Tot. Req	Tot. Actual	Diff	Error
Hopper 1: AGG1	555	4995	5003	8	0.15 %
Hopper 2: AGG 2	545	4905	4905	0	0.01 %
Hopper 3: sand	795	7155	7166	11	0.15 %
Hopper 4: AGG 3	0	0	0	0	0.00 %
Water: WATER	200	1800	1808	8	0.44 %
Silo 1: CEMENT 1	310	2790	2785	-5	-0.16 %
Silo 2: CEMENT 2	0	0	0	0	0.00 %
Silo 3: CEMENT 3	0	0	0	0	0.00 %
Silo 4: CEMENT 4	0	0	0	0	0.00 %
Additive 1: ADD 1	0.00	0.00	0.00	0.00	0.00 %
Additive 2: ADD 1	6.25	56.25	55.98	-0.27	-0.47 %
Additive 3: ADD 1	0.00	0.00	0.00	0.00	0.00 %

GB International ReadyMix

Product No: 8204
Concrete Class: 200/300
Quantity: 9,00
Customer
Tax Office:
Chantier:
Chantier Address:

Delivery Note A1005784 24.10.2023 14:39:43

Customer Address:
Tax No:
Service:
Transmixer: 8659
Driver Name: 3 المبرود جبل

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	815 800	7335	7.340	0,07%	%2
AGR 1	560 610	6040	6.058	0,36%	%2
AGR 2	555 520	4995	4.992	-0,06%	%2
WATER	180	1620	1.621	0,06%	%1
SilKa	0	0	0	0,00%	%3
R4PN ...	5	45	45,28	0,62%	%3
R4PN	0	0	0,00	0,00%	%3
OPC 1	300	2700	2.700	0,00%	%1
OPC 2	0	0	0	0,00%	%1
OPC 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	21735,00			

Operator: IBRAHIM

Delivered by: 3 المبرود جبل

Delivered to:

GB International ReadyMix

Product No: 6203
Concrete Class: 200/300
Quantity: 10,00
Customer
Tax Office:
Chantier:
Chantier Address:

Delivery Note A1005793 24.10.2023 13:56:37

Customer Address:

Tax No:

Service:

Transmixer: 8348

Driver Name: M2 على سالم

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	815	8150	8.143	-0,09%	%2
AGR 1	560	5600	5.661	1,09%	%2
AGR 2	555	5550	5.577	0,49%	%2
WATER	180	1800	1.801	0,06%	%1
Sika	0	0	0	0,00%	%3
R4PN	5	50	50,23	0,46%	%3
R4PN	0	0	0,00	0,00%	%3
OPC 1	300	3000	3.005	0,17%	%1
OPC 2	0	0	0	0,00%	%1
OPC 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2415,00	24150,00			

Operator: IBRAHIM

Delivered by: M2 على سالم

Delivered to:

GB International ReadyMix

Product No: 6199
Concrete Class: 200/300
Quantity: 9,00
Customer
Tax Office:
Chantier:
Chantier Address:

Delivery Note A1005779 24.10.2023 11:23:53

Customer Address:
Tax No:
Service:
Transmiser: 6659
Driver Name: محمد محمود جمال

Material Names	Formula	Total Required	Total Measurement	Diff (%)	Difference Max %
ICE	0	0	0,00	0,00%	%2
SAND	800	7200	7.212	0,17%	%2
AGR 1	565	5085	6.090	0,10%	%2
AGR 2	565	5085	5.093	0,16%	%2
WATER	130	1620	1.621	0,06%	%1
SilKa	0	0	0	0,00%	%3
R4PN	6	54	54,30	0,56%	%3
R4PN	0	0	0,00	0,00%	%3
OPC 1	300	2700	2.709	0,33%	%1
OPC 2	0	0	0	0,00%	%1
OPC 3	0	0	0	0,00%	%1
OPC 4	0	0	0	0,00%	%1
TOTALS:	2416,00	21744,00			

Operator: IBRAHIM

Delivered by: محمد محمود جمال

Delivered to:

Electric Express Train Project (EET)



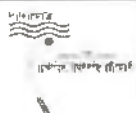
SYSTRA

General Consultant Comments

IR NO. P8-711

1. Concrete Pouring Inspection was carried-out, Slump and temp. found acceptable.
2. Compressive strength of concrete cubes taken to comply with project specs.
3. Concrete plant to be approved by general consultant.
4. All concrete tests result to comply with project specs.
5. Concrete curing to be done as per project specs.
6. Control joints inspected and approved by GARB consultant (EL-RAEID).
7. Fiber MAR and MIR to be approved by GARB consultant and submitted to General consultant.
8. There is no typical sec. for drainage pipe.
9. Drainage pipe typical sec. to be approved and submitted.
10. Drainage pipe to be implemented and inspected in new IR.
11. Implementation of drainage pipes are contractor responsibility.
12. Alignment maintenance after slope protections is contractor responsibility.
13. Final approval is subject to submitting final inspection request with code A from GARB consultant.

ENG: Mohamed Saad

 UNIVERSAL INSPECTION REQUEST		
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RECEIPT OF NOTIFICATION - Minimum Notice Period not less than 24 Hours
The Work described below was the complete and ready for inspection as planned time program

Location Name		Contractor Company		Designer Company	
Name Handy & Sons Sign Handy & Sons Date 15.10.2023 Time 		Received by EIR Handy & Sons Signature Handy & Sons Date 15.10.2023 Revision 		CODE 1 ST 10 S21 CODE 2 Work Activity CODE 3 Substitution of Activity 	

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
0+350 to 0+000	0+350 to 0+000	R [SI + clay]

Instruction Description:
Installing the foam in the expansion joints for slope protection works

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE must be included as appropriate

☐ Checklist Attached ☐ Test Results Attached ☐ Calibration Attached ☐ Other as indicated	MS Reference
---	--------------

Comments by:
work inspected and found from
achieved the depth

Comments by:
Comment
attached

INSPECTION RESULT

Name	Sign	Designation	Date	Time	Approval Status	Please Tick if Not Attend
Handy & Sons	Handy & Sons	Handy & Sons	15.10.2023		A	
Handy & Sons	Handy & Sons	Handy & Sons	15.10.2023		A	

Page 1 of 2



El Forzan from St. -0+150 to St. 0+00									
St					Left				
Right									
				-0+150					
				-0+140					
				-0+130					
				-0+120					
				-0+110					
				-0+100					
				-0+90					
				-0+80					
				-0+70					
				-0+60					
				-0+50					
				-0+40					
				-0+30					
				-0+20					
				-0+10					
				0+00					



SYSTRA

General Consultant Comments

1. Expansion joints inspected and approved by GARB consultant.
2. Foam MAR, MIR to be approved by GARB Consultant and submitted to general consultant.
3. Work may proceed as per approved specs & testing frequency.

ENG: Mohamed Saad



IR NO. 73-711



RECEIPT OF NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Location Name		Contractor Company		Designer Company	
Issued by Contractor	Name	Signature	Date	Line	
	Hamdy Zakaria	Hamdy Zakaria	15.10.2023		
Contractor UIR Reference					Revision
	15-1-A11				
Received by ER	Signature	UIR	C1	C2	C3
	Mohamed Sa				
CODE-1 S1 to S21 Station Reference	CODE-1 D1 to S1 Depot Reference	CODE-1 Ks XXX For Kilometer point only	CODE-2 Work Activity		CODE-3 Sub Element of Activity

EXPLANATION OF WORK TO BE INSPECTED

Area	Element	Item
0+150 to 0+000	0+150 to 0+000	R [S1 + 40.0]
Inspection Description:		
Formworks for slope protection works		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as Indicated ☐
Drawing Reference	ITP Reference	MS Reference	
Comments by:		Comments by:	
- Formwork inspected and found acceptable		Comment attached	

INSPECTION RESULT

Organisation	Name	Signature	Date	Time	Approval Status	Planned Test Not Applicable
Contractor Construction	Hamdy Zakaria	Hamdy Zakaria	15-10-2023		A	
Contractor QA/QC	Mosinfa Shams	Shams	15-10-2023		A	
GARA*						
Employers Representative	Mohamed Sa		16-10-2023		Awc	

RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company	EL FORSEAN			Designer Company	DR. Hassan Mahdy (H.M.C)		
Issued by Contractor	Name Hamdy Nabil	Sign Hamdy Nabil	Date 26-9-2023	Time			
Contractor UIR Reference	11-A1-11						
Received by ER	Mohamed Sa	UIR	C1 SU	C2 AL	C3	CO	NA YY HH MM
CODE -1	CODE -1	CODE -1	CODE -2	CODE -3			

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
-0+150 to 0+100	-0+150 to 0+000	(As-built) 150 to 0
Inspector Description: We request your attendance to inspect Points obtained for the As-built		

INSPECTION DETAILS The Following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	Surveying sheets (Master sheet + Cross sections + Width sheets)		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (GARB SURVEY CONSULTANT (XYZ))	Comments by: GENERAL CONSULTANT (SYST/CA)
-SURVEYING WORKS (LEVELS COORDS-WIDTH) Are inspected and found: acceptable. Work may: Proceed	Comment: attach
NAME: Mohamed Nabil	

INSPECTION RESULT					Approved Status	Planned by
Organisation	Name	Sign	Date	Time	A/W/L/H	
Contractor Engineer	Hamdy Nabil	Hamdy Nabil	26-9-2023			
Contractor XY?	Mohamed Nabil	Mohamed Nabil	26/9/2023	16:00		
QA/QC*	H.M.C		27/9/2023			
GARB**						
Employers Representative	M. Hassan		27-9-2023		DOC	

* Designer

** Alignment: Bridges, Culverts Only



محضر استلام الميزانية الشبكية من الشركات المنفذة

تاريخ: ٢٦/٩/٢٠٢٣

سم المشروع: مشروع القطر السريع (العين السخنة - العاصمة الإدارية)

قامت شركة فكر واي زد (XYZ) بأعمال المساحة (استشاري الاعمال المساحية لبيئة الطرق والكباري) باستلام الميزانية الشبكية من شركة / **الفرسان**

من المحطة رقم ٥٦٥٤٦ - إلى المحطة رقم ٥٥٥٠ D

بقود مهمة يجب ان يتم تنفيذها قبل الاستلام:

- يتم استلام البيانات بعد الانتهاء من الرصد مباشرة من الجهاز الممنوع بأي صيغة (RAW DATA)

- يتم اعتماد طريقة الميزانية للمنظمة و المتقدمة فقط في مشروع القطر الكهربائي السريع.

- يتم اعتماد الارصاد والميزانيات المرفوعة بأجهزة مفعوسة ولها شهادات معايرة سارية حدية فقط لا تقبل مدة اخر معايرة للجهاز عن ٢ شهر.

- يتم مراجعة شهادات المعايرة مع التوكيل بشكل مباشر وفي حالة ظهور شهادة مزورة يتم استبعاد الجهاز والشخص المسؤول فوراً.

- يجب ان يكون القتم ماعمال الميزانية من المتخصصين في مجال المساحة وله خبرة مذبنة.

- تتم مطابقة واستلام الاعمال في الموقع وفي حالة عدم مطابقة المنسوب في اكثر من ٤ امكان موزعين على المنطقة، لا يعتد بالموزنية للشبكة ويتم اعادة رصدها.

ملاحظات :-

وضع بزيادته سكرته انتمك ميود جديد بجانب الامية بكم من برسم قدم
توقيع الخريسان

مهندس الهيئة

استشاري المشروع

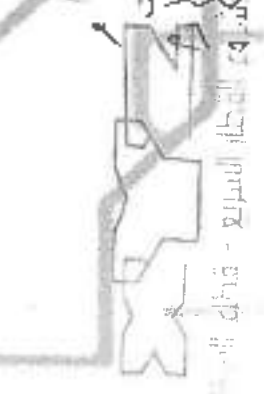
استشاري المساحة

مهندس الشركة المنفذة

مهندس المساحة

مهندس المساحة

مهندس المساحة



RECEIPT of NOTIFICATION - Minimum Notice Period not less than 24 Hours

The Work described below will be complete and ready for inspection at planned time shown

Contractor Company El. Forssan	Designer Company* DR Hassan Mennay (H.M.C)
Issued by Contractor Abdullah Alshah	Date 8-10-2023
Contractor UIR Reference SB-2-B13	Time 11:45
Received by ER Abdullah Alshah	UIR SB-2-B13

CODE -1	CODE -1	CODE -1	CODE -2	CODE -3
---------	---------	---------	---------	---------

EXPLANATION OF WORK TO BE INSPECTED

AREA	Element	Item
-D+150 to D+1000	-D+150 TO D+1000	

Inspection Description:
Back filling SL1 + LP to SL1 + Layer 1
We request your attendance to inspect these coordinates as attached

INSPECTION DETAILS The following will be ready at the Planned Inspection Time

Planned Inspection Date	Planned Inspection Time
-------------------------	-------------------------

COMPLIANCE EVIDENCE Must be included as appropriate

Checklist Attached ☐	Test Results Attached ☐	Calibration Attached ☐	Other as indicated ☒
Other attachments	Surveying sheets [Master sheet + Cross sections + Width sheets]		
Drawing Reference	ITP Reference	MS Reference	
PLAN PROFILE VER 11	NA	NA	

Comments by: (GARB SURVEY CONSULTANT (XYX))
SURVEYING WORKS LEVELS COORDINATES
(WHICH) ARE INSPECTED AND FOUND: acceptable

WORKS MAY BE
NAME: **Abdullah Alshah**

Comments by: GENERAL CONSULTANT (SYSIRAK)

Comment: **attached**

INSPECTION RESULT

Operation on	Name	Sign	Date	Time	Approval Status	Please Tick if Not Applicable
Contractor: NA	Abdullah Alshah	Abdullah Alshah	8/10/2023		Approved	
Contractor: NA/QR	Abdullah Alshah	Abdullah Alshah	8/10/2023	11:45	Approved	
Contractor: NA/QR	Abdullah Alshah	Abdullah Alshah	8/10/2023		Approved	
GARB**	Abdullah Alshah	Abdullah Alshah	8/10/2023		Approved	
Employer Representative	Abdullah Alshah	Abdullah Alshah	8/10/2023		Approved	

* Designer

** Approval: Bridges/Culvert Only

1-0 Name: C. FR



محضر استلام الميزانية الشبكية من الشركات المنفذة



تاريخ: ٢٠٢٣/ ١٥ / ٤

سم للمشروع: مشروع قطار السريع (الحل المخطط - الحلين)

فلت شركة الكي واي زد (XYZ) للأعمال المسحوية (استشاري الاعمال المسحوية تهيئة الطرق والكوارى) باستلام الميزانية الشبكية

من شركة / الفرع

من المحطة رقم ... ٥٠٤١٥٠ ... رقم المحطة رقم: ٥٠٥٩ ...

ينود منه يجب ان يتم استلامها قبل الإستلام:

- يتم استلام البيانات بعد الانتهاء من الرسم مباشرة من الجهاز المستخدم بأي صيغة (RAW DATA)
- يتم اعتماد طريقة المبرانية المنتظمة و المتقدمة فقط في مشروع القطار للكهرباء السريع
- يتم اعتماد الارصاد والقياسات المرفوعة بأجهزة مخصصة ولها شهادات معايرة سارية حديثة فقط لا تقل مدة اخر معايرة للجهاز عن 3 اشهر.
- يتم مراجعة شهادات المعايرة مع التوكيل بشكل مباشر وفي حالة ظهور شهادة مزورة يتم استبعاد الجهاز والشخص المسؤول فوراً.
- يجب ان يكون نظام العمل المبرانية من المخصصين في مجال المباحة وله خبرة مناسبة
- يتم مطابقة واستلام الاعمال في الموقع وفي حالة عدم مطابقة فتمنوب في اكثر من 4 فلكن موزعين على المنطقة لا يعتد بالميزانية الشبكية ويتم اعادة رصدها.

ملاحظات:-
رفع مبرانية جليل قمره ميول (أثر)

مهندس الهيئة

استشاري للمشروع

استشاري للمسح

مهندس الشركة المنفذة

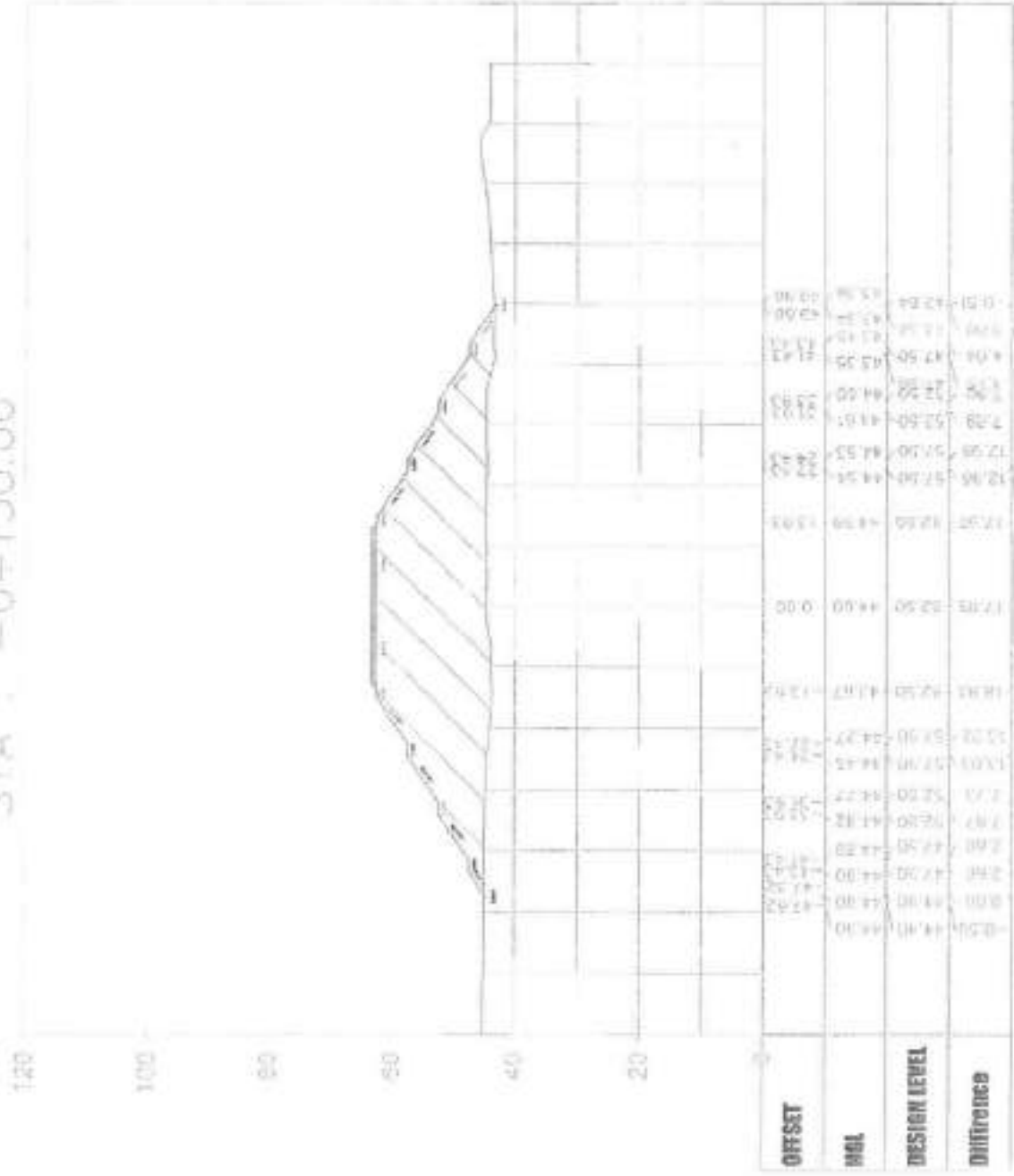
استشاري للمشروع

استشاري للمسح

مهندس الشركة المنفذة



STA : -0+150.00



S.P : -0+150.00	
S.P	
Volume	0.00 m3
Cum Vol	0.00 m3

F.T : -0+150.00	
F.T	
Volume	0.00 m3
Cum. Vol.	0.00 m3



Project Name: ...
 Client: ...
 Design Office: ...
 Date: ...
 Scale: ...
 Sheet No: ...
 Total Sheets: ...
 Project Manager: ...
 Designer: ...
 Checker: ...
 Approver: ...

Electric Express Train Project (EET)



SYSTRA

General Consultant Comments

IR NO. 17-1 - A1-1

1. Surveying works (Levels, coordinates & NO. of berms) are inspected and approved by GARB consultant. (IR copy is attached)
2. Formworks were approved by GARB consultant (EL-RAEID), all comments to be implemented.
3. Work may proceed.

ENG: Mohamed Saad



SUBMISSION of TEST RESULTS



Location Name		Contractor Company		Designer Company																	
Issued by Contractor	Name	Sign	Date	Time																	
	Hamdy Zakria		8-1-2024																		
Contractor Reference	(F.8 A1.1)			Revision																	
Received by ER			SNA	<table border="1"> <tr> <td>C1</td> <td>C2</td> <td>C3</td> <td>DD</td> <td>MM</td> <td>YY</td> <td>HH</td> <td>MM</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		C1	C2	C3	DD	MM	YY	HH	MM								
C1	C2	C3	DD	MM	YY	HH	MM														

NB: Package 1 Only (Package 2 via Aconex)

THE FOLLOWING TEST RESULTS ARE ATTACHED FOR REVIEW

Description of Test Materials				
Location of Test		-0+150 To 0+200 Sub L		
Item	Specification	Test Requirement	Test Result Attachment	Remarks
1	7 days	187 MPa		
2	28 days	250 MPa		
3				
4				
5				

Comments by:	Comments by:
 - Acceptable results for the compressive strength 	 attached results are acceptable

APPROVAL STATUS				
Organisation	Name	Sign	Date	A-AWC-R
Contractor	Hamdy Zakaria		8-1-2024	A
Designer	Mostafa Shams		8-1-2024	A
GARB *				
Employers Representative			30-1-2024	AWC

* Alignment / Bridges; Culvert Only

A= Approved; AWC= Approved with Comments; R= Rejected



Company

Project

Batch Plant

Concrete Class

Date
Report No.

البريد

High Speed Railway Project Al-Ain Al-Sakhna
C.B

C 250-300 OPC
with Fiber

900 gm / 1 m³
29-Jan-2024
0

Compressive Strength results of cubes 15*15*15 cm concrete specimens according to BS 1881-116:1983

Casting Date	Testing Date	Age (Day)	Set ID	Cube No.	Mass (gm)	Density (kg/cm ³)	Load (kN)	Strength (kg/cm ²)	Average Strength (kg/cm ²)	Remarks
1-Jan-2024	29-Jan-2024	28	0	1	8097	2.40	679.0	307.6	309.9	Satisfactory
				2	8140	2.41	681.0	308.5		
				3	8153	2.42	692.0	313.5		

Structural Elements

Slope Protection from ST - 1 + 150 to ST 0+000 (Left side)

Note

Curing and crushing of concrete cubes were carried out in concrete batch plant.

Lab Engineer/

MS

Receiver/

443 Nofel, El Alad Street

Zamalek, Cairo.

Tel. No : 27367231 - 27363003



مركز البحوث والدراسات
الهندسية والبحوث
الهندسية والبحوث
www.cel-egypt.com



CONSULTING ENGINEERING BUREAU & LABORATORY
بureau d'ingénierie et de laboratoire

Company

Project

Batch Plant

Concrete Class

Date

Report No.

البريد

High Speed Railway Project Al Ain Al Sokhna

C 250-300 OPC

with Fiber

900 gm / 1 m³

30-Jan-2024

0

Compressive Strength results of cubes 15*15*15 cm concrete specimens according to BS 1881-116:1983

Casting Date	Testing Date	Age (Day)	Set ID	Cube No.	Mass (gm)	Density (kg/cm ³)	Load (kN)	Strength (kg/cm ²)	Average Strength (kg/cm ²)	Remarks
2-Jan-2024	30-Jan-2024	28	0	1	8067	2.39	699.0	316.6	319.2	Satisfactory
				2	8100	2.40	712.0	322.5		
				3	8094	2.40	703.0	318.5		

Structural Elements Slope Protection from ST - 1+150 to ST 0+000 (Left side)

Note Curing and crushing of concrete cubes were carried out in concrete batch plant.

Lab Engineer *MS*

Receiver/

3-11 Stotek Rd Adat Street
Zamrud, 61000
Tel. N. Nos : 27567231 - 27565093



رئيس مكتب الاختبار
مدير المختبر - المختبر
تليفون - فاكس
www.cel-egyp.com



شركة جي بي الدولية
للخدمات الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

Test Standard ECP 203-2007-(7-2) & BS 1881 - Part 116:1983

CLIENT :	الفرسان	SAMPLED BY :	شركة جي بي
PROJECT :	القطار السريع ط السخنة	Cement Conten/Typet :	250-300 OPC
CONSULTANT :		STRUCTURE ELMENT :	ميول
DATE OF CASTING :	1-1-2024	SPECIFIED STRENGTH :	250 kg/cm ²
POURED QUANTITY :	m ³	NO. OF SAMPLES MADE :	3
TARGET SLUMP :	170+/-20 mm	REF NO. :	1.2.3.

Results :

Specimen Reference	1	2	3			
Date of Test	2024-01-08					
Age of Test (Days)	7	7	7			
Moist. Condition at Testing	MOIST	MOIST	MOIST			
Shape Of Specimen	Cube	Cube	Cube			
Average Dimension (mm)	150	150	150			
Weight (g)	8045	8074	8106			
Density (Ton/m ³)	2.384	2.392	2.402			
Failure Load (kN)	531	529	517			
Comp. Strength	241	240	234			
Average 28 Days				 شركة جي بي الدولية للخدمات الجاهزة إدارة الجودة		
Average 7 Days K.G	238					
Average 28 Days K.G						

Remarks :

Note : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or (0.8kN/S)

Lab Technician	Engineer	J.V	QC Engineer
			Mahmoud Ahmed



4B - Amarat Sharket Al Shams, Nasr City, Cairo



mohamed.ghanim@gbrmr.com



0111 7 6666 47



0111 7 6666 42



شركة جي بي الدولية
للخرسانة الجاهزة

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS

Test Standard ECP 203-2007-(7-2) & BS 1881 - Part 116:1983

CLIENT :	الفرسان	SAMPLED BY :	شركة جي بي
PROJECT :	القطار المربع ط السفنة	Cement Content/Type :	250-300 OPC
CONSULTANT :		STRUCTURE ELEMENT :	مبول
DATE OF CASTING :	2-1-2024	SPECIFIED STRENGTH :	250 kg/cm ²
POURED QUANTITY :	m ³	NO. OF SAMPLES MADE :	3
TARGET SLUMP	170+/-20 mm	REF NO. :	1.2.3.

Results :

Specimen Reference	1	2	3			
Date of Test	2024-01-09					
Age of Test (Days)	7	7	7			
Moist. Condition at Testing	MOIST	MOIST	MOIST			
Shape Of Specimen	Cube	Cube	Cube			
Average Dimension (mm)	150	150	150			
Weight (g)	8211	8175	8197			
Density (Ton/m ³)	2.433	2.422	2.429			
Failure Load (kN)	543	536	524			
Comp. Strength	245	243	237			
Average 8 Days						
Average 7 Days K.G	242					
Average 28 Days K.G						

Remarks :

Note : Specified Loading Rate Range = 4.5kN/S to 9.0 kN/S or 0.8kN/SI

Lab Technician	Engineer	J.V	QC Engineer
			Mahmoud Ahmed



4B - Amarat Sharket Al Shams, Nasr City, Cairo



mohamed.ghanim@gbrmr.com



0111 7 6666 47



0111 7 6666 42

مكتبه هندسيه الانشايه - مشروعه الطريق الكورنيش المربيع (الجزء المرحله - قطاعه الرابعه - قسمه مشروعات)

بنا موفى بنقشه سوريه للشركات

تاريخ التطوير 11-12-2011

ملاحظات	نسبة الخطر	كمية المستطاع متر مكعب	اجمالي اعمال الاسكان	نسبة الخطر	كمية مقدده		اجمالي اعمال المرصه المرحله	تاريخه المصالح	بناء المصالح	قسم الشركة
					متر مستطاع	متر مكعب				
	25%	33.25	45	25%	2878.1	13636.8	0+350	0+400	المرصه لانشاء الطرق والمطاولات	
ملاحظات	ملاحظات	ملاحظات	ملاحظات	ملاحظات	ملاحظات	ملاحظات	ملاحظات	ملاحظات		
1	20	20	-	1	1	2	1	احمد حادي		

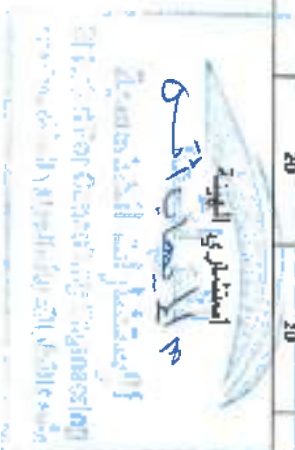


مكتب استشاري واقتصادي - مشروع القطار الكهربائي السريع (الخط الجديد) - القاهرة - مصر

بيان موقفه الفني في تصديق الشركة

تاريخ التقرير من ٢٠٢٣-١٢-١٥ إلى ٢٠٢٣-١٢-١٥

ملاحظات	نسبة إنجاز	كمية المنفذة		إجمالي أعمال الاساس	نسبة إنجاز	كمية مخططه		إجمالي أعمال الاساسات والبريد	نوعية التنفيذ	مصدر التمويل	اسم الشركة
		متر مكعب	متر مكعب			متر مكعب	متر مكعب				
ملاحظات	50%	22.5	45	50%	5838.2	11536.4	0+150	D+000	رئيس الشركة	احمد حمدي	اسم الشركة
1	20	50	-	1	1	2	1	1	1	احمد حمدي	اسم الشركة

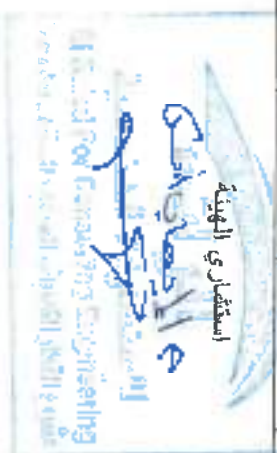


مكتب استشاري الاشراف - مشروع القطار الكهربائي السريع (المرحلة المنجزة - المصاحبة للإدارة - المرحلية - مطروحة)

بيان موقف تنفيذي نصف شهري للبركات

تاريخ التقرير من ٢٠٢٢-١٢-١٥ إلى ٢٠٢٢-١٢-١٩

ملاحظات	نسبة الجاز	كمية المتقدمة		اجمالي اعمال الخدمات	نسبة إنجاز	كمية متقدمة		اجمالي اعمال الخدمات المنجزة	نفاذ النطاق	مبلغ النطاق	اسم الشركة
		متر مكعب	نحاري			متر مكعب	متر مكعب				
	100%	45		45	100%	11436.4		11436.4	0+150	0+000	رئيس الشركة
محاسب	فوجيه		نحاري	في عمل	مهندس تنفيذ	مهندس مكتب		مهندس مساحة	مدير المشروع		رئيس الشركة
1	20	20		-	1	1	2	1	1	احمد حمدي	



مهندس الشركة المتقدمة

١٩٤١



مكتب استشاري الهندسة - مشروع تطوير وتنظيم العمل في المنطقة الصناعية - المنطقة الصناعية - المنطقة الصناعية

بيان موقف تنفيذي شهري للشركة

تاريخ التقرير من ٢٠١٩-١٢-٢٢ إلى ٢٠٢٠-٠١-٢٢

ملاحظات	نسبة إنجاز	كمية التنفيذ		إجمالي أعمال الإنشاءات	نسبة إنجاز	كمية تنفيذ		إجمالي أعمال الخدمات الخدمية	مادة البناء	مرددة البناء	اسم الشركة
		متر مكعب	متر مربع			متر مكعب	متر مربع				
	100%	45	45	45	100%	11636.4	21636.4	0+140	0+000	الفرسان رينج الطرق والملازم	
مجلسها	فرصة	متر	متر	متر	مجلس	مجلس	مجلس	مجلس	مجلس	مجلس	مجلس
1	20	20	20	20	1	1	2	1	1	1	1



مهندس الشركة المهندس



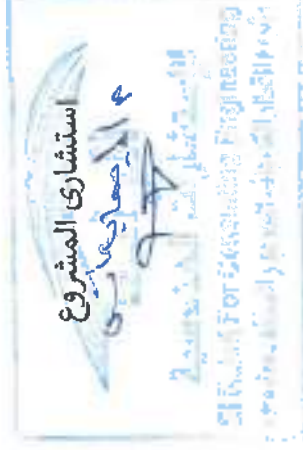
هيكـل تنظيمي للعاملين بمشروع القطار السريع شركة الفرسان لإنشاء الطرق و المقاولات - احمد ابو التجاه وشركاه

التاريخ : 04/04/2024

اسـم المشروع : مشـروع القطار الكهربائي السريع (العين السخنة - العاصمة الادارية - العلمين - مطروح)
رقـم المشروع : ١٣٦٩ / ٢٠٢٣ / ٢٤ - ٢٠٢٤

ملاحظات	عدد منصفات الخبرة	الوظيفة	الاسـم	مستـلـسـل
		رئيس الشركة	احمد حمدي ابو التجاه	1
	15	مدير المشروع	حمدي زكريا	2
	10	مهندس مكتب فني	احمد هاني حسني	3
	5	محاسب	محمد حمدي	4
	7	مدير مساحه	ابراهيم رمضان	5
	5	مساحه	احمد اشرف	6
	6	منرف تنفيذ	عادل غنيم	7
	7	مساعد مساح	سمير جرجيس	8

مهندس الهيئه





الهيئة العامة
للطرق والكباري
سطة مدينة طرابلس



بيان المعدات

04/04/2024

التاريخ : ٢

اسم المشروع : مشروع القطار الكهربائي السريع (العين السخنة - العاصمة الادارية - العلمين - مطروح)
رقم المشروع : {٢٠٢٤/٢٠٢٣/١٣٦٩}

بالإشارة الى العقد المبرم بين الهيئة العامة للطرق والكباري وشركة الفرسان لإنشاء الطرق و
المقاولات رقم (٢٠٢٤/٢٠٢٣/١٣٦٩) بتاريخ ٢٠٢٤-٤-٢
لتنفيذ المشروع عاليه بالمعدات الآتية :

العدد	المعدة
3	حفارات لزوم الارنكة
6	سيارات خرسانه
1	لودر
2	سيارات قلاب

الاسم :

التوقيع :



الهيئة العامة للطرق والكباري

مكتب الاستشاري الوالد للاستشارات الهندسية



الشركة المنفذة



بغداد - ٢٠١٥

٢٠١٤/٢٠١٥



من المنطقة ١٥٠٠٠٠ الى المنطقة ١٠٠٠٠٠



عمارة مترو انتاء الحضر الكبير في السيتا - لسة
العاصمة الزبارة - المناطق الحدية

شركة القوسا لانشاء البنى التحتية
مكتب الهندسة المعمارية والكمبيوتر

رقم الترتيب	الوصف	الوحدة	شهر كانون الثاني ٢٠١٢				شهر نوفمبر ٢٠١٢				شهر كانون الثاني ٢٠١٣				شهر ديسمبر ٢٠١٢				شهر كانون الثاني ٢٠١٤				شهر ديسمبر ٢٠١٣				شهر كانون الثاني ٢٠١٤				شهر نوفمبر ٢٠١٣				شهر كانون الثاني ٢٠١٤				شهر ديسمبر ٢٠١٣				شهر كانون الثاني ٢٠١٤			
			١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤								
			١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤								
			١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤								
			١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤								
			١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤								
			١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤								
			١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤								
			١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤								
			١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤								
			١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤								
			١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤	١	٢	٣	٤								
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محضر استلام موقع

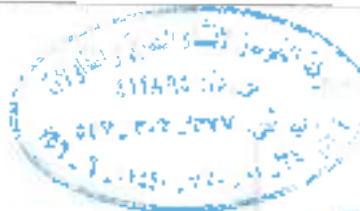
بالإشارة إلى العقد المبرم بين الهيئة العامة للطرق والكباري وشركة الفرسان لإنشاء الطرق و المقاولات - احمد ابو النجاه وشركاه رقم (٢٠٢٤/٢٠٢٣/١٣٦٩) بتاريخ ٢٠٢٤/٤/٢ بشأن تنفيذ اعمال الحملات للخط الاول بمشروع القطار الكهربائي السريع (العين المسخنة - العاصمة الادارية - العظمين - مطروح) المسافة من كم ٠,٠٠٠ حتى كم ٠,١٥٠ بطول ٠,١٥٠ كم لتنفيذ المشروع عليه.

فقد اجتمعت اللجنة يوم الاربعاء الموافق ٢٠٢٤/٤/٣ بحضور كلاً من :

- ١- م / اسلام عطيه عبد العزيز ممثل الهيئة العامة للطرق والكباري
 - ٢- م / ايحاب اتاه ممثل مكتب الرائد للاستشارات الهندسية
 - ٣- م / حمدي زكريا جلال ممثل شركة الفرسان لإنشاء الطرق و المقاولات - الشركة المنفذة
- وقامت اللجنة بالمرور على موقع المشروع عاليه ووجدت اللجنة انه لا يوجد عوائق ظاهريه تعوق البدء في التنفيذ (الموقع خالي من العوائق) وعليه يكون تاريخ استلام الموقع للمشروع عاليه وافقل المحضر على ذلك .

التوقيعات :

الاسم	الوظيفة	التوقيع
م / اسلام عطيه عبد العزيز	ممثل الهيئة العامة للطرق والكباري	
م / ايحاب اتاه	ممثل مكتب الرائد للاستشارات الهندسية	
م / حمدي زكريا جلال	مدير مشروع - شركة الفرسان لإنشاء الطرق و المقاولات - شركة المنفذة	



أعمال الحماية بالخط الأول للقطار الكهربائي السريع (العين السخنة- العاصمة الإدارية - العلمين - مطروح) قطاع العين السخنة لتنفيذ المسافة من الكم - 0.150 الي الكم 0.000 بطول 0.150 كم عقد رقم (1369/2023/2024).

رقم البند	بيان الأعمال	الوحدة	الكمية	سعر البند	سعر البند بعد المفاوضات	الإجمالي
1	العلاقات الخرسانية / الرصف الخرساني					
1-1	بالمتر المسطح أعمال توريد وصب خرسانة عتية سمك 15 سم لارتفاع راسي لحماية الاكتاف والمويل الجانبية تتكون من 0.8 م سن دولوميت متدرج + 0.4 م رمل حرش والإضافات طبقا لتعليمات الاستشاري (فيبر + سبكا) على أن يكون السن نظيف ومضبول والرمل خالي من الشوائب والطفلة والأملاح والمواد الغريبة مع وضع فوم بالفواصل بسمك 2 سم (طبقا لتعليمات الاستشاري) والبند يشمل تجهيز واستعمال مناسب التربة الطبيعية أسفل البلاطة للوصول إلى المناسيب التصميمية على أن تحقق الخرسانة إجهاد لا يقل عن 250 كجم / سم ² وتنظيف السطح وملاء الفواصل بالبيتومين المرمل والتنفيذ طبقا لأصول الصناعة والرسومات التفصيلية المعتمدة والبند بجميع محتلاته طبقا لمواصفات الهيئة العامة للطرق والكباري وتعليمات المهندسين المشرف . - يتم إضافة علوة قمرها 5 جنيه بعد أول 10 متر راسي على أن تضاف لكل مسطح (لا يقل عن 5 متر راسي)	م ²	١٤٦٣٩,١٥	٤٢٩,٩٠	٤٣٢,٠٠	٦٣٢٠٦٥٨,٠٠
1-2	بالمتر المكعب أعمال توريد و صب خرسانة عتية لقمعات الحماية والمويل الجانبية تتكون من 0.8 م سن دولوميت متدرج + 0.4 م رمل حرش والإضافات طبقا لتعليمات الاستشاري (فيبر + سبكا) على أن يكون السن نظيف ومضبول والرمل خالي من الشوائب والطفلة والأملاح والمواد الغريبة مع وضع فوم بالفواصل بسمك 2 سم (طبقا لتعليمات الاستشاري) والبند يشمل تجهيز واستعمال مناسب التربة الطبيعية أسفل البلاطة للوصول إلى المناسيب التصميمية على أن تحقق الخرسانة إجهاد لا يقل عن 250 كجم / سم ² وتنظيف السطح و ملء الفواصل بالبيتومين المرمل والتنفيذ طبقا لأصول الصناعة والرسومات التفصيلية المعتمدة والبند بجميع محتلاته طبقا لمواصفات الهيئة العامة للطرق والكباري وتعليمات المهندسين المشرف .	م ³	٦٠,٠٠٠	٢٦٨٤,٠٠	٢٦٦٥,٢٠	١٥٩٩١٢,٠٠
الإجمالي						
6480570						

مهندس الهيئة:
التوقيع:

مدير المشروع
(م/ أحمد الطحل)

استشاري الهيئة:
التوقيع:

مدير المشروع
(م/ أحمد عزالدين)

مهندس الشركة:
التوقيع:

مدير المشروع
(م/ رامي سمير)

