

مقايضة معدلة رقم (1)
مشروع استكمال اعمال الجسر الزاوي لخط سكة حديد 6 اكتوبر / بني سلامة بطول 67 كم
في المسافة من تقاطعه مع خط سكة حديد بشاريل / الاتحاد عند قرية بني سلامة حتى تقاطعه
مع خط سكة حديد الواحات البحرية عند المياد الجبال في المسافة من الكم 60+00 حتى الكم 62+00 بطول 2 كم
تنفذ شركة ابو عجيبة للمقاولات العامة والتوريدات العمومية
(استكمال الاعمال من منسوب -15 متر الى منسوب 20 متر)

رقم البند	بيان الأعمال	الوحدة	الكمية	القيمة (جنية)	الاجمالي (جنية)
أعمال الإزالة والتطوير					
1_1	أعمال تكسير وإزالة المباني الخرسانية العادية أو مسلحة أو أرضية أو ديش مع نقل ناتج تكسير خارج الموقع للمقلب العمومية طبقا لاصول الصناعة وكراسة الشروط ومواصفات الخاصة لسكة حديد مصر ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف والقيمة شاملة مما جديعة بالتر المكعب لمسافة نقل حتى 30 كم ويتم احتساب علاوة 1.25 جنية للكم في حالة الزيادة والنقصان	م3	1	90,00	90,00
2_1	بالمر المكعب اعمال ازالة المخلوقات بجميع انواعها البنية والترش والمواد العضوية وتسليلهم موقع خالي ونظيف طبقا لتعليمات المهندس المشرف والقيمة شاملة اعمال نقل المخلوقات خارج الموقع على مسؤولية المقاول وكل ما يلزم لنهوه العمل طبقا لاصول الصناعة وكراسة الشروط ومواصفات الخاصة لسكة حديد مصر ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف وذلك لمسافة 500 متر في حالة زيادة مسافة النقل عن 500 متر يتم احتساب علاوة 1.25 جنية عن كل 1 كم زياده يتم احتساب علاوة 2 جنية / م3 لكل 5 متر عمق وذلك يشمل إنشاء منقذات ومطامير ومنازل	م3	1	23,00	23,00
3_1	بالمر المسطح ازالة قطع المزروعات المتعارضة مع المسار والتي تستلزم لها التخليد بالمعدات الميكانيكية بسمك 15 سم والبدء بشمل التطهير وإزالة الجذور وملئ الحفر والتسوية مع نقل المخلوقات للمقلب العمومية وكل ما يلزم طبقا لاصول الصناعة وكراسة الشروط ومواصفات الخاصة بسكة حديد مصر ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف وتلك لمسافة نقل 1 كم مع احتساب علاوة 0.8 جنية لكل 1 كم في حالة الزيادة والنقصان	م2	2,96	7,50	22,20
4_1	بالمر ازالة اشجار من مسار الطريق والتخلص منها على الاقل قطر الاشجار عن 30 سم شامل التخليد ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف	العدد	1	96,00	96,00
1_4_1	اشجار لا تقل قطرها عن 30 سم		7990	36,00	2876400,00
2_4_1	تخليد بارفانغ لا يقل عن 4 متر	العدد	1	2750,00	2750,00
5_1	القيام باختبار plate load test طبقا لتعليمات الاستشاري العام للمشروع وطبقا لمعلاق 1 الخصائص الفنية لجسر السكة ومادة التزليط في كراسة الشروط الخاصة وكراسة الشروط الخاصة لسكة حديد مصر		1	2750,00	2750,00
أعمال الجسر					
1_2	بالمر المكعب اعمال حفر باستخدام المعدات الميكانيكية لجميع انواع التربة عدا التربة الصخرية يتمحق المطلوب للوصول للمسوب الصالح للتأسيس اسفل المنسوب التصميمي لتسكة الحديد طبقا لما ورد بتقرير التربة وحسب الابعاد والمقاسات والمناسيب الموضحة لرسومات التنفيذ مع نقل ناتج الحفر الغير صالح او نقل التربة الصالحة الزائدة الى المشاؤون التي تحددها الهيئة لاعادته تشييدها وذلك لمسافة 500 متر مع التسوية والارتكك لجوانب الحفر وتشغيل قاع الحفر طبقا للتقطعات التصميمية العرضية النموذجية والقطاع الطولي والرسومات التفصيلية المعتمدة والقياس طبقا لابعاد الرسومات لكل ما يلزم لنهوه العمل كاملا طبقا لاصول الصناعة وكراسة الشروط ومواصفات الخاصة لسكة حديد مصر ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف في حالة زيادة مسافة النقل عن 500 متر يتم احتساب علاوة 1.25 جنية عن كل 1 كم زياده من منسوب الارض الطبيعية حتى منسوب 5 م	م3	1	29,20	29,20
2_2	بالمر المكعب اعمال حفر باستخدام المعدات الميكانيكية لجميع انواع التربة عدا التربة الصخرية (استخدام البندوز) بالمع المطلوب للوصول للمسوب الصالح للتأسيس اسفل المنسوب التصميمي لتسكة الحديد طبقا لما ورد بتقرير التربة وحسب الابعاد والمقاسات والمناسيب الموضحة لرسومات التنفيذ مع نقل ناتج الحفر الغير صالح او نقل التربة الصالحة الزائدة الى المشاؤون التي تحددها الهيئة لاعادته تشييدها وذلك لمسافة 500 متر مع التسوية والارتكك لجوانب الحفر وتشغيل قاع الحفر طبقا للتقطعات التصميمية العرضية النموذجية والقطاع الطولي والرسومات التفصيلية المعتمدة والقياس طبقا لابعاد الرسومات لكل ما يلزم لنهوه العمل كاملا طبقا لاصول الصناعة وكراسة الشروط ومواصفات الخاصة لسكة حديد مصر ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف في حالة زيادة مسافة النقل عن 500 متر يتم احتساب علاوة 1.25 جنية عن كل 1 كم زياده يتم احتساب علاوة 2 جنية / م3 لكل 5 متر عمق وذلك يشمل إنشاء منقذات ومطامير ومنازل	م3	1	33,40	33,40

مدير عام المشروعات
مهندسة / جهاد محمد سعد

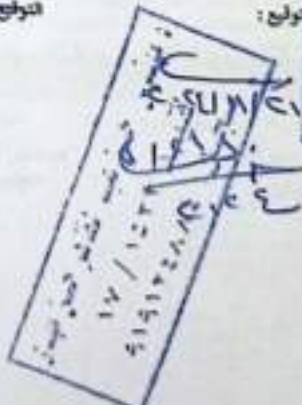


مهندس الهيئة العامة للطرق والكباري

مهندس / كريم محمد زين
التوقيع:

عن الاستشاري (أ.د. حسن مهدي)

مدير المشروع
التوقيع:



مقايضة معدلة رقم (1)
مشروع استكمال أعمال الجسر الذي يخط سكة حديد 6 أكتوبر / بني سلامة بطول 67 كم
في المسافة من تقاطعه مع خط سكة حديد بنشلي / الاتحاد عند قرية بني سلامة حتى تقاطعه
مع خط سكة حديد الواحات البحرية عند الميناء الجاف في المسافة من الكم 50+00 حتى الكم 62+00 بطول 2 كم
تنفيذ شركة أبو عجيله للمقاولات العامة والتوريدات العمومية
(استكمال الأعمال من متسرب 15 متر إلى متسرب 20متر)

رقم البند	بيان الأعمال	الوحدة	الكمية	اللمعة (جنيه)	الإجمالي (جنيه)
3_2	بالمر المكعب أعمال حفر والمعدات الميكانيكية في تربة صخرية ومحل على البند التالي : 1 - تحميل ونقل ناتج الحفر لمسافة لا تقل عن 500 متر 2 - اربكة الميول الجانبية باستخدام المعدات الميكانيكية 3 - توريد التربة مطابقة للمواصفات وتشغيلها باستخدام آلات التسوية بسلك لا يزيد عن 25 سم لاستكمال المنسوب التصميمي لتشكيل الجسر والاكتاف (نسبة تحميل كالفورنيا لا تقل عن 10 %) ورشها بالماء الاسفلية للوصول الى نسبة الرطوبة المطلوبة والدمك الجيد بالهرسات للوصول الى أقصى كثافة جافة (95% من الكثافة الجافة القصوى) ويتم التنفيذ طبقا للمناسيب التصميمية والقطاعات العرضية النموذجية والرسومات التنفيذية المعدلة والبيد بصيغ مختلفة طبقا لاصول الصناعة ومراسم الشروط ومواصفات الخاصة لسكة حديد مصر ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف . وفي حالة زيادة مسافة نقل ناتج الحفر عن 500 متر من محور الطريق يتم حساب 1.0% جنية لكل كيلومتر زيادة لم ذات اجهاد (100-200) كجم/سم2 بم ذات اجهاد (200-300) كجم/سم2 ج ذات اجهاد (300-400) كجم/سم2 د ذات اجهاد اعلى من 400 كجم/سم2	م3	1	٧٨,٠٠	٧٨,٠٠
			1	٩٢,٨٠	٩٢,٨٠
			1	١٠٧,٤٠	١٠٧,٤٠
			1	١٢٦,٧٠	١٢٦,٧٠
4_2	بالمر المكعب أعمال حفر باستخدام المعدات الميكانيكية في تربة رملية (A3) شديدة التعمدة ونسوية السطح والآلات التسوية والقرش بالماء الاسفلية للوصول الى نسبة الرطوبة والدمك الجيد بالهرسات للوصول الى أقصى كثافة جافة (95% من الكثافة الجافة القصوى) والغلة لتشمل توريد التربة مناسبة لفرشها على الاتربة الرملية لاسمكية تحريك المعدات دون الفرز فيها , ومحمل على البند تحميل ونقل الاتربة الزائدة لمسافة 500 متر من محور الطريق مع التسوية والاربكة اجوانب الحفر وتشغيل قاع الحفر للوصول لاقصى كثافة جافة (95 % من الكثافة الجافة القصوى) طبقا للقطاعات التصميمية العرضية النموذجية والقطاع الطولي والرسومات التفصيلية المعتمدة والقياس طبقا لابعاد الرسومات وكل ما يلزم لنهوا العمل كاملا طبقا لاصول الصناعة وكراسة الشروط ومواصفات الخاصة بسلك حديد مصر ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف من منسوب 5 م حتى منسوب 10 م من منسوب 10 م حتى منسوب 15 م علاوة 2 جنية / 3م لكل 5 متر عمق وذلك يشمل إنشاء مدقات ومقاطع ومنازل علاوة 2 جنية / 3م لكل 5 متر عمق وذلك يشمل إنشاء مدقات ومقاطع ومنازل	م3	١٢٣١٦٢	٣٥,٢٠	٤٣٥٣٠٢,٤٠
		م3	٥١٧٩٦	٣٥,٢٠	١٨٣٢٢١٩,٢٠
		م3	١٢٣١٦٢	٤,٠٠	٤٩٢٦٤٨,٠٠
		م3	٥١٧٩٦	٦,٠٠	٣١٠٧٧٦,٠٠
5_2	بالمر المكعب أعمال حفر باستخدام المعدات الميكانيكية في التربة شديدة التماسك (طفلة متحجرة أو - عدا التربة الصخرية) باستخدام البلدوزر (بالمعق المطلوب للوصول للمنسوب الصالح للتأسيس اسفل المنسوب التصميمي للسكة الحديد طبقا لما ورد بتقرير التربة وحسب الابعاد والقطاعات والمناسيب الموضحة بالرسومات التنفيذية مع نقل ناتج الحفر وذلك لمسافة 500م مع التسوية والاربكة اجوانب الحفر وتشغيل قاع الحفر للوصول لاقصى كثافة جافة (95 % من الكثافة الجافة القصوى) طبقا للقطاعات التصميمية العرضية النموذجية والقطاع الطولي والرسومات التفصيلية المعتمدة والقياس طبقا لابعاد الرسومات وكل ما يلزم لنهوا العمل كاملا طبقا لاصول الصناعة وكراسة الشروط ومواصفات الخاصة بسلك حديد مصر ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف يتم احتساب علاوة 2 جنية / 3م لكل 5 متر عمق وذلك يشمل إنشاء مدقات ومقاطع ومنازل وفي حالة زيادة مسافة النقل عن 500 م يتم احتساب علاوة 1.25 جنية عن كل 1 كم زياده	م3	٤١٨٢٩	٢٨,٣٠	١٦٠٢٠٥٠,٧٠
6	أعمال الخرسانات والعلاقات والحماية من أخطار السيول				
2_4	بالمتر المكعب أعمال توريد وصب خرسانة عادية سمك 15 سم بارتفاع 10 متر واسي لحماية الاكتاف والحيول الجانبية لتكون 0.8 م3 سن دولميت مندرج + 0.4 م3 رمل حرش والاضافات طبقا لتعليمات الاستشاري (فيبر + سبك) على ان يكون السن نظيف ومغسول والرمل خالي من الشوائب والطفلة والاملاح والمواد الغريبة مع وضع قوود (لتفاصيل) بسلك 2 سم (طبقا لتعليمات الاستشاري) والبيد يشمل تجهيز ودمك وتثبيت واستعدادات مناسبة التربة الطبيعية اسفل البلاطة للوصول للمناسيب التصميمية على ان تحلق الخرسانة اجهاد لا يقل عن 250 كجم / سم2 وتشطيب السطح ومل الفواصل بالبولي يوريثين العزل والتشذيب طبقا لاصول الصناعة والرسومات التفصيلية المعتمدة والبيد بجميع مشتملاته طبقا لمواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف يتم احتساب علاوة قدرها 5 جنية بعد اول 10 متر راسي على ان نصف الى كل مسطح (لا يقل عن 5 م راسي)	م2	1	٤٣٢,٠٠	٤٣٢,٠٠
2_4	بالمتر المكعب أعمال توريد وصب خرسانة عادية لتتفيذ قدمة سفلية وعلوية للاكتاف والحيول الجانبية لتكون 0.8 م3 سن دولميت مندرج + 0.4 م3 رمل حرش والاضافات طبقا لتعليمات الاستشاري (فيبر + سبك) على ان يكون السن نظيف ومغسول جيدا والرمل خالي من الشوائب والطفلة والاملاح والمواد الغريبة مع وضع قوود بالفواصل بسلك 2 سم والبيد يشمل أعمال الحفر والشدات وكل ما يلزم لنهوا العمل للوصول للمناسيب التصميمية على ان تحلق الخرسانة اجهاد لا يقل عن 250 كجم / سم2 وتشطيب السطح ومل الفواصل بالبولي يوريثين العزل والتشذيب طبقا لاصول الصناعة والرسومات التفصيلية المعتمدة والبيد بجميع مشتملاته طبقا لمواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف	م3	1	٢٧٠٠,٠٠	٢٧٠٠,٠٠
الإجمالي	احدى عشر مليون واربعمائة واربعون الف ومائتان واثنين وثمانون جنيهاً مبرماً فقط لا غير				

عن الأستاذ الدكتور (الحسين محمد)
عليه العترة

مدير عام المشروعات
مهندسة / جهاد محمد سعد

س. الانتارة المركزية
/ طارق يوسف الجزار



برجاء مسح QR كود من جهة إصدار التقرير
القائمة المرفقة مع ورقة خلف الورقة الأولى من التقرير

Date : 15/10/2024

Ref. Serial No. 25 October /2024

Page 1/3

Client :

شركة ابو عجيلة للمقاولات العامة والتوريدات العمومية

Specimen :

عينة أثرية من المحطة (٦١+١٤٠) منسوب (٥.٠٠ م)

مشروع إنشاء جسر ترابي لخط سكة حديد ٦ أكتوبر / بني سلامة بطول ٦.٨ كم
من الكم ٦٠+٠٠٠ حتى الكم ٦٢+٠٠٠

بناءً على طلب الشركة بخطابها تم إجراء تجارب التدرج الحبيبي وحدي السيولة واللدونة على عينات الأثرية الموردة لمعمل الوحدة بمعرفة مندوب الاستشاري م/ أحمد السمان وعلى مسئوليته بتاريخ ٢٠٢٤/١٠/٩ والمحددة بيلتقها كما جاء بخطاب الشركة وكانت نتائج التجارب المطلوبة كالآتي :-

(أ) التدرج الحبيبي:

مقاس المتخل	نسبة المار
رقم ٤	١٠٠
رقم ١٠	٩٩.٣
رقم ٤٠	٦١.٢
رقم ١٠٠	٩.٢
رقم ٢٠٠	٦.٧

(ب) تجربة حدي السيولة واللدونة : العينة عديمة اللدونة

A-3 =

(ج) التصنيف تصنيف العينة

مدير الوحدة


د/ أحمد عاطف سليمان
Highway Engineering Consultancy Unit

المشرف على المعمل


م/ مصطفى محمود حلمي



يرجاء مسح QR الكود من جهة إصدار التقرير
للمتابعة من خلال الصفحة الأولى من التقرير

Date : 15/10/2024

Ref. Serial No. 25 October /2024

Page 2/3

Client :

شركة ابو عجيلة للمقاولات العامة والتوريدات العمومية

Specimen :

عينة أثرية من المحطة (٦١+٢٦٠) منسوب (٦.٠٠ م)

مشروع إنشاء جسر ترابي لخط سكة حديد ٦ أكتوبر / بنى سلامة بطول ٦٨ كم

من الكم ٦٠+٠٠٠ حتى الكم ٦٢+٠٠٠

ملحوظة : تم توريد العينة بمعرفة مندوب الإستشاري م/ أحمد المسمان وعلى مسئوليته.

(أ) التدرج الحبيبي:

مقاس المتخل	نسبة العار
رقم ٤	١٠٠
رقم ١٠	٩٩.٤
رقم ٤٠	٦٨.٤
رقم ١٠٠	٨.٧
رقم ٢٠٠	٦.٢

(ب) تجربة حدى السيولة واللدونة : العينة عديمة اللدونة

A-3=

(ج) التصنيف تصنيف العينة

مدير الوحدة



المشرف على المعمل

م/ مصطفى محمود حلمي

محضر إستلام الموقع

مشروع أعمال الجسر الترابي والاعمال الصناعية لخط سكة حديد 6 أكتوبر / بنى سلامة بطول 67 كم فى المسافة من كم 60 وحتى كم 62 بطول 2 كم (استكمال الاعمال من منسوب -15م حتى -20م) تنفيذ:- شركة ابو عجيلة للمقاولات العامة والتوريدات.

أنه فى يوم الاحد الموافق 2024/ 11 /01 إجتمعت اللجنة بحضور كلا من :-

- 1- م/ جهاد محمد سعد
 - 2- م/ كريم زين
 - 3- م/ راضى محمود أحمد العجمى
 - 4- م/ خالد بدر
 - 5- م/ مختار أحمد عبد العال
 - 6- م/ احمد احمد فتوح
- مدير عام المشروعات (الهيئة العامة للطرق والكباري) .
- مدير المشروع (الهيئة العامة للطرق والكباري) .
- عن مكتب شاكر جروب (الاستشارى العام للسكة الحديد) .
- عن مكتب د.حسن مهدى (استشارى الهيئة) .
- عن مكتب الدولية (استشارى المساحة) .
- عن (الشركة المنفذه) .

بناءا على العقد رقم (2025/2024/ 409) بتاريخ 2024 / 10 /30 تمت المعاينة للمسافة عاليه وتبين أن الموقع خالى من العوائق ظاهريا وعليه يكون تاريخ إستلام الموقع هو تاريخ 2024/11/01 . وأقفل المحضر على ذلك :-

- التوقيع :-

- الحضور:-

6- م/ احمد احمد فتوح

5- م/ مختار أحمد عبد العال

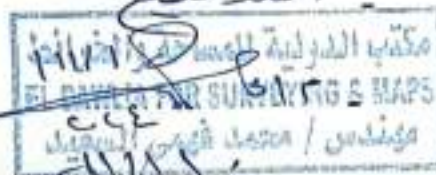
4- م/ خالد بدر

3- م/ راضى محمود أحمد العجمى

2- م/ كريم زين

1- م/ جهاد محمد سعد

أحمد فتح



٥٠٤٤

٥٠٤٤

٥٠٤٤



١٧ / ١٤٣٢
٩١٩١٣٤٨٨٥

يعتمد
رئيس الادارة المركزية
المنطقة الاولى المركزية
طارق يوسف الجزار



دارية محمد المصطفى الزحبي : ١٩٨٠، ص ٤٠

البرنامج الزمني للأصل للدراسة (١٠٠٠٠٠ إلى ١١٠٠٠٠)

عدد رقم (9 = 9 و 9 = 9 و 9 = 9)

توزيع السكان العرب

مدى التكيف العملي: 9 أشهر

تاریخ: ۱۳۹۳/۰۴/۰۹

[illegible]

عدد خلايا الدم البيضاء لكل 1000 من خلايا الدم الحمراء

عن استشاري الهيئة (أ.د. حسن حمادي)

مجلس الهيئة العامة للتعليم والتقديرات

مدير عام المشروع (المستشار)



استكمال أعمال الجسر القرائي لخط سكة حديد ١ القريب / على مساحته بطول ٦٧ كم
في المسافة من كم ٦٠ وحتى كم ٦٧ بطول ٧ كم
تتبعاً - شركة أبو عبيدة للتقانات العامة والتشييد والصيانة

الث في يوم الأربعاء الموافق ١٠ / ١١ / ٢٠٢٤ اجتمعت اللجنة بحضور ٥ من :-

(مهندس الهيئة العامة للطرق والكباري)
عن مكتب شاعر جروب (الاستشاري العام للسلطة العامة)
عن مكتب استشارية (استشاري المساحة)
عن مكتب دجمن مهدي (استشاري الهيئة)
الضبط الفني (الشرطة المدنية)

١- م/ كريم زين
٢- م/ احمد لطفي البكري
٣- م/ مختار احمد عبدالعال
٤- م/ خالد بدر
٥- م/ احمد احمد قتيح

و تم على الطبيعة مراجعة ما تم تلفيذه من اصال و تم حصر الاصال و تمت المراجعة و ما يلي بيان بما تم تلفيذه من الاصال

٢	البيان	الوحدة	السابق	الحالي	الاجمالي
١	اصال التطوير				
١.١	بالعدد بالعدد لالة اشجار من مسار الطريق والتخلص منها على الا يقل قطر الاشجار عن ٣٠ سم شامل التخليل بارتفاع لا يقل ٤ متر طبقاً لاصول الصناعة وكراسة الشروط ومواصفات الخاصة لسكة حديد مصر ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف				
٢.١.١	لتخليل بارتفاع لا يقل عن ٤ متر		٧,٩٩٠,٠٠٠	٧,٩٩٠,٠٠٠	٧,٩٩٠,٠٠٠
٢	اصال الحفر				
٢.٢	بالمتر المكعب اصال حفر باستخدام المعدات الميكانيكية في التربة رملية (A3) شديدة اللعومة وتسوية السطح بالالات التسوية والرش بالعباء الاصوائية للوصول الي نسبة الرطوبة والدمك الجيد بالهراست للوصول الي اقصى كثافة جافة (95% من الكثافة الجافة القصوى) والفئة تشمل توريد التربة منسوبة لفرشها على الاتربة الرملية لامتكانية تحريك المعدات دون الغرز فيها ، ومحمل على البند تحميل ونقل الاتربة الزائدة لمسافة ٥٠٠ متر من محور الطريق مع التسوية والارتانة لجوانب الحفر وتشغيل قاع الحفر للوصول لاقصى كثافة جافة (٩٥ % من الكثافة الجافة القصوى طبقاً للقطاعات التصميمية العرضية التمولجية والقطاع الطولي والرسومات للتصليبية المعتمدة والقياس طبقاً لابعاد الرسومات وكل ما يلزم لظهر العمل كتملا طبقاً لاصول الصناعة وكراسة الشروط ومواصفات الخاصة بسكة حديد مصر ومواصفات الهيئة العامة للطرق والكباري وتعليمات المهندس المشرف - يتم احتساب علاوة ٢ جنية / م٣ لكل = متر عمق وذلك يشمل الشاء منقالت ومطالع ومنازل - وفي حالة زياده مسافة النقل عن ٥٠٠ م يتم احتساب علاوة ١,٢٥ جنية عن كل ١ كم زياده				
	من مشسوب = م حتى مشسوب ١٠ م		١٢٢,١٦٢,٠٠٠	١٢٢,١٦٢,٠٠٠	١٢٢,١٦٢,٠٠٠
	من مشسوب ١٠ م حتى مشسوب ١٥ م		٥١,٧٩٦,٠٠٠	٥١,٧٩٦,٠٠٠	٥١,٧٩٦,٠٠٠
	علاوة ٢ جنية / م٣ لكل = متر عمق وذلك يشمل الشاء منقالت ومطالع ومنازل		١٢٢,١٦٢,٠٠٠	١٢٢,١٦٢,٠٠٠	١٢٢,١٦٢,٠٠٠
	علاوة ٢ جنية / م٣ لكل = متر عمق وذلك يشمل الشاء منقالت ومطالع ومنازل		٥١,٧٩٦,٠٠٠	٥١,٧٩٦,٠٠٠	٥١,٧٩٦,٠٠٠

التوقيع

تم التوقيع / تم التوقيع / تم التوقيع / تم التوقيع / تم التوقيع
قياسه ١٧ / ١٥٣٢
سجل: ٩١٩١٣٤٨٨٤

ABUAGLA
10788
11/11/2024
13/11/2024
13/11/2024

الحضور :-

٥- م/ احمد احمد قتيح

٤- م/ خالد بدر

٣- م/ مختار احمد عبدالعال

٢- م/ احمد لطفي البكري

١- م/ كريم زين



هيكل تنظيمي للعاملين بالمشروع شركة أبو عجيبة للمقاولات العامة

التاريخ : 2024/10/13

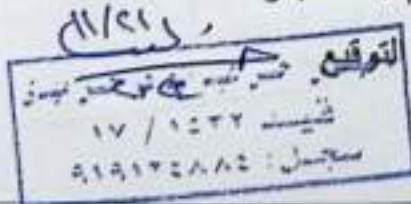
اسم المشروع : مشروع قطار 6 أكتوبر - بني سلامة

رقم المشروع : 2024/2023/409

ملاحظات	عدد سنوات الخبرة	الوظيفة	الاسم	مستل
	10	مدير المشروع	محمد أبو عجيبة	1
	7	أمن وسلامة	محمد فوزي	2
	5	مهندس تنفيذ	أحمد فتحي	3
	2	مهندس تنفيذ	وليد محمود محمد	4
	5	مهندس مكتب فني	مصطفى سلامة	5
	1	مهندس مكتب فني	محمد مسعد	6
	7	مساح	محمد المنسي	7
	4	مساح	أحمد باجوري	8
	4	مساح	مهند رأفت	9
	3	مساعد مساح	محمود حلمي	10
	3	مساعد مساح	صالح أبو زيد	11
	3	مساعد مساح	محمد فتحي عبد العظيم	12
	7	مشرف	أحمد خلاف	13
	5	مشرف	هان السيد عبد العظيم	14

عن الاستشاري أ.د حسن مهدي

م / خالد بدر



عن شركة أبو عجيبة للمقاولات العامة





بيان المعدات

التاريخ : 2024/11/20

اسم المشروع : مشروع قطار 6 أكتوبر- بني سلامة

رقم المشروع : 2025/2024/409

بالإشارة الي العقد المبرم بين الهيئة العامة للطرق والكباري وشركة أبو عجيلة للمقاولات العامة

رقم (409/2025/2024)

لتنفيذ المشروع أعلاه بالمعدات الآتية :

المعدة	العدد
لودر	3
عربة قلاب	12
جريدر	0
حقار	3
عربة مياه	1

عن الاستشاري أ.د حسن مهدي

م / خالد بدر
التوقيع
15/11/2024

عن شركة أبو عجيلة للمقاولات العامة

م / احمد فتحي
التوقيع :
15/11/2024
ABUAGLA
شركة أبو عجيلة للمقاولات العامة

Coarse & Fine Aggregate Grading - ASTM C136 & AASHTO T27

عينه ناتج قطع	From st. 61+300 To st. 61+500
Level	ناتج قطع

05/02/2024	التاريخ :
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نتائج الاختبار :-

رقم المتخل (mm)	رقم المتخل (inch)	وزن المحجوز على كل متخل	وزن المحجوز التراكمي	المحجوز %	لمر %
76.2	3"	0	0	0.00%	100.00%
63.5	2.5"	0	0	0.00%	100.00%
50.8	2"	0	0	0.00%	100.00%
37.5	1.5"	0	0	0.00%	100.00%
25	1"	0	0	0.00%	100.00%
19	3/4"	0	0	0.00%	100.00%
12.7	1/2"	0	0	0.00%	100.00%
9.5	3/8"	6	6	0.09%	99.91%
4.75	# 4	36	42	0.60%	99.40%
	العار من متخل # 4	6958			99.40%
	وزن العينة التلي	7000			
	وزن عينة الناعم	500			
2.36	# 10	5	5	1.6%	98.4%
0.425	# 40	161	166	33.6%	66.4%
0.075	# 200	309	475	95.0%	5.0%
Max. = 15%					
المسبولة و التدونة					
L.L = 0		P.L = 0		P.I = N.P	
Max. = 40				Max. = 10	

التصنيف	A-3
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Notes:-

Consultant Eng.



معمل أبحاث هندسة الطرق والمطارات والمرور

Highways, Airports and Traffic Engineering Research Lab



Lab Report Data Sheet	
خطاب طلب الاختبارات	
وارد من	الهيئة العامة للطرق والكباري - وزارة النقل، سكك حديد مصر شاكر جروب الشركة الدولية شركة أبو عجيبة للمقاولات العامة والتوريدات
تاريخ	٢٠٢٣/١١/٢٠
بيانات العملية وفق خطاب طلب الاختبارات	
مشروع	إنشاء جسر ترابي خط سكة حديد ٦ أكتوبر / بني سلامة بطول ٦٨ كم، من الكم ٦٢+٠٠٠ حتى الكم ٦٠+٠٠٠
المالك	الهيئة العامة للطرق والكباري - وزارة النقل
الاستشاريون	شاكر جروب الشركة الدولية مكتب أ.د. حسن مهدي
تفصيل	شركة أبو عجيبة للمقاولات العامة والتوريدات
بيان العينات الواردة للمختبر	
أحضرها	م/ محمد موسى (مندوب عن مكتب أ.د. حسن مهدي)
تاريخ الإحضار	٢٠٢٣/١١/٢٠ تاريخ سداد الرسوم ٢٠٢٣/١١/٢٠
بيان العينات	• عينة تربة، من ناتج القطع بقطاع الشركة (60+000 to 60+700)
الاختبارات المطلوبة	
- التحليل المختلي للمواد الغليظة والمواد الرقيقة (ط ١٠٢) - إيجاد كمية المواد الرقيقة الحارة من المهزرة رقم ٢٠٠ في المواد الصلبة (ط ١٠٣) - تحديد حد اللدونة ومجال اللدونة (ط ٤)	- تصنيف التربة طبقاً للأشور - دمك التربة المعدل "بروكتور المعدل" (ط ٦٥-١) - نسبة تحمل كاليفورنيا (ط ٩)

رقم مرجعي	٢٠٢٣/٨٥٨	تاريخ الإصدار	٢٠٢٣/١١/٢٧	عدد الصفحات	٣
العينات موددة بمعرفة العميل والمعمل ليس عليه أدنى مسؤولية إلا عن نتائج العينات المختبرة. تفسير النتائج وما يتبعها من إجراءات مسؤولية الجهة المسؤولة عن المشروع. يشرفنا في حال وجود أي ملاحظات أو استفسارات حول محتوى التقرير، الاتصال على رقم ٠١-٢٢٣٦٦١١٠ أو عبر البريد الإلكتروني hassan.tahsin@cu.edu.eg					

تاريخ: ٢٠٢٣/١١/٢٧

١/٣

٢٠٢٣/٨٥٨





معمل أبحاث هندسة الطرق والمطارات والمرور Highways, Airports and Traffic Engineering Research Lab



جدول (١): التدرج وحدود السيولة واللدونة والتصنيف

مشروع	إنشاء جسر ترابي لخط سكة حديد ٦ أكتوبر / بني سلامة بطول ٦٨ كم، من الكم ٦٠+٠٠٠ حتى الكم ٦٢+٠٠٠
المالك	الهيئة العامة للطرق والكباري - وزارة النقل
الاستشاريون	شاكر جروب الشركة الدولية مكتب أ.د/ حسن مهدي
تنفيذ	شركة أبو عجيلة للمقاولات العامة والتوريدات

الاختبار	النتائج
التحليل المنخلي للمواد الغليظة والمواد الرقيقة (نسبة المار %):	
٨/٣	١٠٠
رقم ٤	٩٩
رقم ١٠	٩٥
رقم ٤٠	٦٥
رقم ٢٠٠	٩,٤
حد اللدونة ومجال اللدونة: - مجال اللدونة (%)	عديدة اللدونة
تصنيف التربة طبقاً للأشتو	A-3



مراجعة
[Signature]

إشراف
[Signature]

طبع: ٢٠٢٣/١١/٢٧

2 / 3

٢٠٢٣/٨٥٨





معمل أبحاث هندسة الطرق والمطارات والمرور
Highways, Airports and Traffic
Engineering Research Lab



جدول (٢): بروكتور المعدل ونسبة تحمل كاليفورنيا

مشروع	إنشاء جسر ترابي لخط سكة حديد ٦ أكتوبر / بني سلامة بطول ٦.٨ كم، من الكم ٦٠+٠٠٠ حتى الكم ٦٢+٠٠٠
المالك	الهيئة العامة للطرق والكباري - وزارة النقل
الاستشاريون	شاكر جروب الشركة الدولية مكتب أ.د/ حسن مهدي
تنفيذ	شركة أبو عجيبة للمقاولات العامة والتوريدات

النتائج	الاختبار
١,٨٨٢	إختبار بروكتور المعدل:
٥,١	- أقصى كثافة جافة (طن/م ^٣) - نسبة الرطوبة المثلى (%)
١١	نسبة تحمل كاليفورنيا (CBR):
-	- نسبة تحمل كاليفورنيا (%) - الانتفاخ (%)



مراجعة

إشراف

تاريخ: ٢٠٢٣/١١/٢٧

3 / 3

٢٠٢٣/٨٥٨





معمل أبحاث هندسة الطرق والمطارات والمرور

Highways, Airports and Traffic Engineering Research Lab



Lab Report Data Sheet	
خطاب طلب الاختبارات	
وارد من	المهنة العامة للطرق والكباري - وزارة النقل شاكر جروب مكتب أ.د/ حسن المهدي شركة أبو عجيبة للمقاولات العامة والتوريدات العمومية
تاريخ	٢٠٢٣/١٢/٢٤
بيانات العملية وفق خطاب طلب الاختبارات	
مشروع	إنشاء جسر ترابي لخط سكة حديد ٦ أكتوبر / بني سلامة بطول ٦٨ كم، من الكم ٦٢+٠٠٠ حتى الكم ٦١+٠٠٠
المالك	المهنة العامة للطرق والكباري - وزارة النقل
الاستشاريون	شاكر جروب مكتب أ.د/ حسن مهدي
تنفيذ	شركة أبو عجيبة للمقاولات العامة والتوريدات العمومية
بيان العينات الواردة للمعمل	
أحضرها	أ/ محمد موسى (مندوب عن الشركة المنفذة)
تاريخ الإحضار	٢٠٢٣/١٢/٢٤ تاريخ سداد الرسوم ٢٠٢٣/١٢/٢٤
بيان العينات	• عينة تربة، من ناتج القطع بقطاع الشركة (61+700, 62+00)
الاختبارات المطلوبة	
- التحليل المخلي للمواد الغليظة والمواد الرقيقة (ط ١٠٢) - إيجاد كمية المواد الرقيقة الحارة من المهزة رقم ٢٠٠ في المواد الصلبة (ط ١٠٣) - تحديد حد التدونة ومجال التدونة (ط ٤)	- تصنيف التربة طبقاً للأشت - دمك التربة المعدل "بروكتور المعدل" (ط ٦-١) - نسبة تحمل كاليفورنيا (ط ٩)

رقم مرجعي	٢٠٢٣/٩٤٢	تاريخ الاصدار	٢٠٢٣/١٢/٢٨	عدد الصفحات	٣
العينات مودة بمعركة العميل والمعمل ليس عليه أدلي مسئولية إلا عن نتائج العينات المختبرة. تفسير النتائج وما يتبعها من إجراءات مسئولية الجهة المسؤولة عن المشروع. يشرفنا في حال وجود أي ملاحظات أو استفسارات حول محتوى التقرير، الاتصال على رقم ١٠٢٢٣٦١١٠ أو عبر البريد الإلكتروني hassan.tahsin@cu.edu.eg					

تاريخ: ٢٠٢٣/١٢/٢٨

1/3

٢٠٢٣/١٢/٢٨





معمل أبحاث هندسة الطرق والمطارات والمرور
Highways, Airports and Traffic
Engineering Research Lab



جدول (٢): بروكتور المعدل ونسبة تحمل كاليفورنيا

مشروع	إنشاء جسر ترابي لخط سكة حديد ٦ أكتوبر / بني سلامة بطول ٦٨ كم، من الكم ٦١+٠٠٠ حتى الكم ٦٢+٠٠٠
المالك	الهيئة العامة للطرق والكباري - وزارة النقل
الاستشاريون	شاكر جروب مكتب أ.د/ حسن مهدي
تنفيذ	شركة أبو عجيبة للمقاولات العامة والتوريدات العمومية

النتائج	الاختبار
	إختبار بروكتور المعدل:
١,٧٣١	- أقصى كثافة جافة (طن/م ^٣)
٦,٩	- نسبة الرطوبة المثلى (%)
	نسبة تحمل كاليفورنيا (CBR):
١٥	- نسبة تحمل كاليفورنيا (%)
-	- الانتفاخ (%)



مراجعة

إشراف

تاريخ: ٢٠٢٢/١٢/٢٨

3 / 3

٢٠٢٢/٩/٢٢



Coarse & Fine Aggregate Grading - ASTM C136 & AASHTO T27

عينه ناتج قطع	ST .. 64+080
معمولا	(-12.00 m) From NGL

التاريخ :	20-05-24
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نتائج الاختبار :-

رقم الفتحة (Inch)	وزن المحجوز على كل فتحة	وزن المحجوز التراكمي	النسبة %
3/8"	0	0	100.0%
# 4	0	0	100.0%
وزن العينة التي	2500		
وزن حيلة القاع	500		
# 10	7	7	03.6%
# 40	192.5	200	80.1%
# 200	269.5	469	6.2%

مجال الجودة	N.P
التصنيف	A-3

ملاحظات : تم أخذ وتقييم العينة بواسطة مهندس الاستشاري ... العينة مسؤولة عن اختبارها

مهندس الاستشارة	في العمل	مهندس الاستشارة
م. أحمد قاسم	أ. أحمد مصطفى	م. رمضان الجبيلوي

م. رمضان الجبيلوي

Coarse & Fine Aggregate Grading - ASTM C136 & AASHTO T27

عينة ناتج قطع	ST .. 61+180
متسوب	(-10.00 m) From NGL

التاريخ :	01-06-24
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نتائج الاختبار :-

رقم الفتحة (inch)	وزن المسحور على كل فتحة	وزن المسحور التراكمي	النسبة %
3/8"	0	0	100.0%
# 4	0	0	100.0%
وزن العينة الكلي	2500		
وزن عينة التام	500		
# 10	9	9	36.2%
# 40	197	206	56.8%
# 200	267	473	5.4%

مجال التدوينة	N.P
التصنيف	A-3

ملاحظات : تم أخذ وإجراء العينة بواسطة مهندس الاستشاري ... العينة لا تمثل إلا نفسها

مهندس الشركة د/ أحمد عيسى	على العميل د/ أحمد مصطفى	مهندس الاستشاري د/ أحمد السمان
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SHAKER
CONSULTANCY GROUP



المملكة
السعودية
الطرق و
البنية
البنية
(SABR)



مكتب الاستشارات الهندسية
للطرق والبنية والبنية

Coarse & Fine Aggregate Grading - ASTM C136 & AASHTO T27

عينه لاج قطع	ST .. 6 $\frac{1}{2}$ +100
منسوب	(-8.00 m) From NGL

التاريخ :	29/4/2024
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نتائج الاختبار :-

المر %	وزن المجهز التراكمي	وزن المجهز على كل منخل	رقم المنخل (inch)
100.0%	0	0	3/8"
99.3%	17	17	# 4
		2500	وزن الحبة على
		500	وزن حبة الداعم
98.3%	5	5	# 10
57.8%	209	204	# 40
5.2%	474	265	# 200

N.P	مجال الدونة
-----	-------------

A-3	التصنيف
-----	---------

ملاحظات : تم أخذ نتائج الحبة بواسطة مهندس الاستشاري ... الحبة متوسطة من الحصى

مهندس الاستشاري

د. رمضان الجاني

م. د. محمد

في المصل

د. احمد مصطفى

المرحلي

مهندس الشركة

د. احمد قاسم



SHAKER
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هيئة الطرق
والمواصلات
(GARR)



مكتب الاستشارات / ص.م.ه.د.
استشاري الطرق والمواصلات والعمارة

Coarse & Fine Aggregate Grading - ASTM C136 & AASHTO T27

عينة ناتج قطع	ST .. 61+150
مستوى	(-6.00 m) From NGL

التاريخ : 01-04-24

نتائج الاختبار :-

الوزن %	وزن المحجوز التراكمي	وزن المحجوز على كل منخل	رقم المنخل (inch)
99.8%	10	10	# 4
		5000	وزن العينة الكلية
		500	وزن عينة التام
98.2%	8	8	# 10
67.1%	214	206	# 40
5.2%	474	260	# 200

N.P	مجال اللدونة
A-3	التصنيف

ملاحظات : تم أخذ وشاييم العينة بواسطة مهندس الاستشاري ... العينة لا تعالج إلا لغرضها

مهندس الاستشاري
د/ أحمد السمان

فني المعمل
د/ أحمد مصطفى

مهندس الشركة
د/ أحمد قاسم

Coarse & Fine Aggregate Grading - ASTM C136 & AASHTO T27

عينه ناتج قطع	ST .. 61+280
منسوب	(-9.00 m) From NGL

التاريخ :	05/09/2024
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نتائج الاختبار :-

المر %	وزن المحجوز التراكمي	وزن المحجوز على كل منخل	رقم المنخل (inch)
100.0%	0	0	3/8"
99.8%	12	12	# 4
		5000	وزن العينة الكلية
		500	وزن عينة قناع
99%	4	4	# 10
59%	205	201	# 40
6%	470	265	# 200

N.P	مجال التدونة
-----	--------------

A-3	التصنيف
-----	---------

ملاحظات : تم أخذ وتغليف العينة بواسطة مهني الاستشاري ... العينة لا تمثل إلا نفسها

مهندس الاستشاري

د. أحمد الميمان

أحمد الميمان

فني معمل

أ. م. محمد بدران

محمد بدران

مهندس الشركة

د. محمد أبو عبيدة



SHAKER
CONSULTANCY GROUP



الهيئة العامة
للتنظيم والرقابة
(GAPR)



مكتب الاستشارات / من مهاب
استشاري الطرق والمطارات والحدود

Coarse & Fine Aggregate Grading - ASTM C136 & AASHTO T27

عينة ناتج قطع	ST .. 61+200
منسوب	(-5.00 m) From NGL

التاريخ : 25/2/2024

نتائج الاختبار :-

نسبة %	وزن المحجوز قارنكي	وزن المحجوز على كل مليل	رقم المنخل (inch)
100.0%	0	0	3/8"
99.2%	20	20	# 4
		2500	وزن العينة الملى
		500	وزن عينة للتاعم
97.3%	10	9.5	# 10
58.0%	208	198	# 40
5.5%	473	265	# 200

N.P

مجال التدوئة

A-3

التصنيف

ملاحظات : تم أخذ وتسلم العينة بواسطة مهندس الاستشاري ... العينة متوافقة مع المعطى

مهندس الاستشاري
د. رمضان الجديلي
رمضان الجديلي

في المعمل
أ. أحمد مصطفى
أ. أحمد مصطفى

مهندس الشركة
م. أحمد قاسم

Coarse & Fine Aggregate Grading - ASTM C136 & AASHTO T27

عينه ناتج قطع	ST .. 61+360
مستوي	(-4.5 m) From NGL

التاريخ :	20/07/2024
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نتائج الاختبار :-

رقم الممثل (inch)	وزن المحجوز على كل مثل	وزن المحجوز التراكمي	النسبة %
3/8"	0	0	100.0%
# 4	0	0	100.0%
وزن العينة الكلية	2500		
وزن عينة التاعم	500		
# 10	0	0	100.0%
# 40	212	212	57.6%
# 200	261	473	5.4%

مجال الدونة	N.P
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التصنيف	A-3
---------	-----

ملاحظات : تم لده وتسلم العينة بواسطة مهندس الاستشاري ... العينة لا تمثل إلا نفسها

مهندس الاستشاري

د/ أحمد السمان

(Signature)
68

في المعمل

د/ أحمد مصطفى

(Signature)

مهندس الشركة

د/ أحمد قسم

اعمال تطهير

مشروع إنشاء الجسر الترابي لخط سكة حديد ٦ أكتوبر - بني سلامة بطول 68 كم

 الهيئة العامة للطرق والمواصلات		 EGM El dawlia for Surveying & Maps  وزارة النقل الهيئة العامة للطرق والمواصلات مكتب الاستشارات / حسن مهدي استشاري الطرق والمطارات والممرور	رقم طلب الفحص 22																	
Contractor	Employer Consultant	GRAB Consultant	التاريخ 27/10/2024																	
○ ثالث	○ ثاني	○ أول	الفحص																	
البيانات <table border="1"> <tr> <td>الطول</td> <td>60+000</td> <td>من المحطة</td> <td>٦٠+٠٠٠</td> </tr> <tr> <td>٨٠</td> <td>60+080</td> <td>إلى المحطة</td> <td>٦٢+٠٠٠</td> </tr> </table>	الطول	60+000	من المحطة	٦٠+٠٠٠	٨٠	60+080	إلى المحطة	٦٢+٠٠٠	قطاع الشركة المنفذة <table border="1"> <tr> <td>من المحطة</td> <td>٦٠+٠٠٠</td> </tr> <tr> <td>إلى المحطة</td> <td>٦٢+٠٠٠</td> </tr> </table>	من المحطة	٦٠+٠٠٠	إلى المحطة	٦٢+٠٠٠	الموقع						
الطول	60+000	من المحطة	٦٠+٠٠٠																	
٨٠	60+080	إلى المحطة	٦٢+٠٠٠																	
من المحطة	٦٠+٠٠٠																			
إلى المحطة	٦٢+٠٠٠																			
SECTION CUT <table border="1"> <tr> <td>☒ تطهير أرض طبيعيه</td> <td>☐ تكسير وإزالة مياي أو خرساته</td> </tr> <tr> <td>☐ أعمال ردم</td> <td>☐ أعمال حفر</td> </tr> <tr> <td>☐ طبقة سن ثانية (SubGrade)</td> <td>☐ طبقة سن أولى (SubGrade)</td> </tr> <tr> <td>☐ صلاحية مواد (اختبارات معملية)</td> <td>☐ مبول خرسانية</td> </tr> </table>	☒ تطهير أرض طبيعيه	☐ تكسير وإزالة مياي أو خرساته	☐ أعمال ردم	☐ أعمال حفر	☐ طبقة سن ثانية (SubGrade)	☐ طبقة سن أولى (SubGrade)	☐ صلاحية مواد (اختبارات معملية)	☐ مبول خرسانية	REV / / 2024 <table border="1"> <tr> <td>☐ رفع مساحة أرض طبيعيه</td> <td>☐ تسليم اعمال شبكية مشاؤون دخل القطاع</td> </tr> <tr> <td>☐ [اختبار (Test Load Plate)]</td> <td>☐ رفع وإزالة مخلفات</td> </tr> <tr> <td>☐ طبقة فرمة</td> <td>☐ تشميل أرض طبيعيه</td> </tr> <tr> <td>☐ طبقة سن رابعة (Sub-Ballast)</td> <td>☐ طبقة سن ثالثة (Sub-Ballast)</td> </tr> </table>	☐ رفع مساحة أرض طبيعيه	☐ تسليم اعمال شبكية مشاؤون دخل القطاع	☐ [اختبار (Test Load Plate)]	☐ رفع وإزالة مخلفات	☐ طبقة فرمة	☐ تشميل أرض طبيعيه	☐ طبقة سن رابعة (Sub-Ballast)	☐ طبقة سن ثالثة (Sub-Ballast)			
☒ تطهير أرض طبيعيه	☐ تكسير وإزالة مياي أو خرساته																			
☐ أعمال ردم	☐ أعمال حفر																			
☐ طبقة سن ثانية (SubGrade)	☐ طبقة سن أولى (SubGrade)																			
☐ صلاحية مواد (اختبارات معملية)	☐ مبول خرسانية																			
☐ رفع مساحة أرض طبيعيه	☐ تسليم اعمال شبكية مشاؤون دخل القطاع																			
☐ [اختبار (Test Load Plate)]	☐ رفع وإزالة مخلفات																			
☐ طبقة فرمة	☐ تشميل أرض طبيعيه																			
☐ طبقة سن رابعة (Sub-Ballast)	☐ طبقة سن ثالثة (Sub-Ballast)																			
بيانات طلب الفحص																				
وصف الأعمال اعمال تطهير الأرض الطبيعية <table border="1"> <tr> <td>سمك الطبقة</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	سمك الطبقة						اعمال تطهير الأرض الطبيعية مهندس التنفيذ المكتب الفني التوقيع :	مقدمة لسيداتكم / التوقيع :												
سمك الطبقة																				
جهاز الاشراف	<table border="1"> <tr> <th>مهندس الاستشاري</th> <th>ملاحظات التسليم</th> <th>التوقيع</th> </tr> <tr> <td>مهندس الموقع</td> <td>تدعيم مع ستر رفع بعد الفحص</td> <td>حسن</td> </tr> <tr> <td>مهندس الموقع المساحة</td> <td>تم الاصطلام والردو</td> <td>حسن</td> </tr> <tr> <td>المكتب الفني المساحة</td> <td>تم استلام الالعمال المساحة</td> <td>حسن</td> </tr> <tr> <td>مهندس المعمل</td> <td>تم التطهير وافق صلاحية مواقع التطهير</td> <td>حسن</td> </tr> <tr> <td>مهندس الاستشاري العام</td> <td>لا مانع من الردو مع المساحة</td> <td>حسن</td> </tr> </table>	مهندس الاستشاري	ملاحظات التسليم	التوقيع	مهندس الموقع	تدعيم مع ستر رفع بعد الفحص	حسن	مهندس الموقع المساحة	تم الاصطلام والردو	حسن	المكتب الفني المساحة	تم استلام الالعمال المساحة	حسن	مهندس المعمل	تم التطهير وافق صلاحية مواقع التطهير	حسن	مهندس الاستشاري العام	لا مانع من الردو مع المساحة	حسن	تم الاستلام بتاريخ :
مهندس الاستشاري	ملاحظات التسليم	التوقيع																		
مهندس الموقع	تدعيم مع ستر رفع بعد الفحص	حسن																		
مهندس الموقع المساحة	تم الاصطلام والردو	حسن																		
المكتب الفني المساحة	تم استلام الالعمال المساحة	حسن																		
مهندس المعمل	تم التطهير وافق صلاحية مواقع التطهير	حسن																		
مهندس الاستشاري العام	لا مانع من الردو مع المساحة	حسن																		
قرار الاستشاري العام (مدير المشروع):																				
مقبول	مقبول مع ملاحظات	مرفوض																		

يعتمد 1/1

الاستشاري العام

استشاري المساحة

استشاري المساحة

طلب رفع اعمال تطهير (AS BUILT)

مشروع إنشاء الجسر الترابي لخط سكة حديد ٦ أكتوبر - بنى سلامة بطول ٦٧ كم



المقاولات العامة و التوريدات العمومية

SHAKER
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مكتب الأستاذ الدكتور / حسن مهدي
استشاري الطرق والمطارات والجسور

رقم طلب الفحص
(٢)

التاريخ

10/4/2024

Contractor

Employer Consultant

GRAB Consultant



ثالث



ثاني



أول

الفحص

البيانات

قطاع الشركة المنفذة

الطول

60+080

من المحطة

٦٠+٠٠٠

من المحطة

الموقع

٥٤٠

60+680

إلى المحطة

٦٢+٠٠٠

إلى المحطة

SECTION CUT

REV / / 2024

☐	تطهير أرض طبيعيه	☐	تكسير وإزالة مباني أو خرسانه	☐	رفع مساحة أرض طبيعيه	☐	تسليم اعمال شبكية مشاؤون دخل القطاع
☐	أعمال ردم	☐	أعمال حفر	☐	إختبار (Test Load Plate)	☐	رفع وإزالة مخلفات
☐	طبقة سن ثانية (SubGrade)	☐	طبقة سن أولى (SubGrade)	☐	طبقة فرمة	☐	تشغيل أرض طبيعيه
☐	صلاحية مواد (إختبارات معملية)	☐	مبول خرسانية	☐	طبقة سن رابعة (Sub-Ballast)	☐	طبقة سن ثالثة (Sub-Ballast)

بيانات طلب الفحص

وصف الأعمال

طلب اعمال تطهير الأرض الطبيعية

مقدمة لسيادتكم /

طلب اعمال تطهير أرض طبيعية

سمك الطبقة

مهندس التنفيذ

المكتب الفني

التوقيع :

التوقيع :

جهاز الأشراف

التوقيع	ملاحظات التسليم	مهندس الاستشاري
	رأى مانع من التسليم المساحي	مهندس الموقع
	تم ارفعه واعداً به من المالك	مهندس الموقع المساحة
	تم استلام الارض المساحة	المكتب الفني المساحة
	تم المعاينة والحولاه ونظف الرصيف	مهندس المعمل
	تم المعاينة ولا مانع من بدأ الرصيف المساحة	مهندس الاستشاري العام

الساعة:

تم الاستلام بتاريخ :

قرار الاستشاري العام (مدير المشروع):

مقبول

مقبول مع ملاحظات

مرفوض

يعتمد !!!

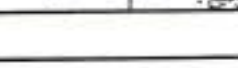
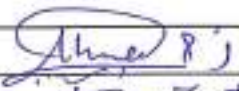
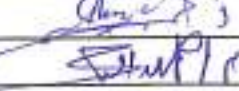
الاستشاري العام

استشاري الجسور

استشاري المساحة

طلب رفع اعمال تطهير (AS BUILT)

مشروع إنشاء الجسر الترابي لخط سكة حديد ٦ أكتوبر - بنى سلامة بطول ٦٧ كم

				 		 مكتب الهندسة المدنية والبناء استشاري الطرق والمطارات والممرور		رقم طلب الفحص (٣)
Contractor		Employer Consultant		GRAB Consultant		التاريخ 16/04/2024		
☐ ثالث		☐ ثاني		☐ أول		الفحص		
البيانات				قطاع الشركة المنفذة				
من المحطة ٦١+٠٤٠		من المحطة ٦٠+٠٠٠		من المحطة ٦٢+٠٠٠		الموقع		
إلى المحطة ٦١+٢٢٠		إلى المحطة ٦٢+٠٠٠		إلى المحطة ٦٢+٠٠٠		الموقع		
SECTION CUT				REV / / 2024				
☒ تطهير أرض طبيعيه		☐ تكسير وإزالة مباني أو خرساته		☐ رفع مساحة أرض طبيعيه		☐ تسليم اعمال شبكية مشاؤون دخل القطاع		
☐ أعمال ردم		☐ أعمال حفر		☐ اختبار (Test Load Plate)		☐ رفع وإزالة مخلفات		
☐ طبقة سن ثانية (SubGrade)		☐ طبقة سن أولى (SubGrade)		☐ طبقة قزعة		☐ تشغيل أرض طبيعيه		
☐ صلاحية مواد (اختبارات معملية)		☐ ميول خرسانية		☐ طبقة سن رابعة (Sub-Ballast)		☐ طبقة سن ثالثة (Sub-Ballast)		
بيانات طلب الفحص								
وصف الأعمال				مقدمة لسيادتكم /				
طلب اعمال تطهير (AS BUILT)				طلب اعمال تطهير (AS BUILT)				
سمك الطبقة				المكتب الفني مهندس التنفيذ				
				التوقيع : 				
				التوقيع : 				
جهاز الاشراف								
التوقيع		ملاحظات التسليم		مهندس الاستشاري				
		لا مانع من التطهير والرفع		مهندس الموقع				
		فتح الرفع والمعالجة من الموقع		مهندس الموقع المساحة				
		فتح المساحة		المكتب الفني المساحة				
		تحت المعالجة بعد عمل التطهير		مهندس المعمل				
		تم المعالجة ولا مانع من بدأ الرفع المساحي		مهندس الاستشاري العام				
				تم الاستلام بتاريخ :				
				قرار الاستشاري العام (مدير المشروع):				
				مقبول				
				مقبول مع ملاحظات				
				مرفوض				

يعتمد 111

الاستشاري العام

استشاري الجودة

استشاري المساحة

فتح الرفع وتحديد الارتفاعات

طلب رفع اعمال تطهير (AS BUILT)

مشروع إنشاء الجسر الترابي لخط سكة حديد ٦ أكتوبر - بنى سلامة بطول ٦٧ كم



SHAKER
CONSULTANCY GROUP



رقم طلب الفحص
(٥)

التاريخ

21/04/2024

Contractor

Employer Consultant

GRAB Consultant

٠

ثالث

٠

ثاني

٠

أول

الفحص

البيانات

قطاع الشركة المنفذة

الطول

٦١+٤٢٠

من المحطة

٦٠+٠٠٠

من المحطة

الموقع

٢٠٠

٦١+٦٢٠

إلى المحطة

٦٢+٠٠٠

إلى المحطة

SECTION CUT

REV / / 2024

☒	تطهير أرض طبيعيه	☐	تكسير وإزالة مباني أو خرسانه	☒	رفع مساحة أرض طبيعيه	☐	تسليم اعمال شبكية مشاؤون دخل القطاع
☐	أعمال ردم	☐	أعمال حفر	☐	اختبار (Test Load Plate)	☐	رفع وإزالة مخلفات
☐	طبقة سن ثالثة (SubGrade)	☐	طبقة سن أولى (SubGrade)	☐	طبقة فرمة	☐	تشغيل أرض طبيعيه
☐	صلاحية مواد (اختبارات معملية)	☐	ميول خرسانية	☐	طبقة سن رابعة (Sub-Ballast)	☐	طبقة سن ثالثة (Sub-Ballast)

بيانات طلب الفحص

وصف الأعمال

طلب اعمال تطهير (AS BUILT)

سمك الطبقة

طلب رفع اعمال تطهير (AS BUILT)

المكتب الفني

التوقيع :

التوقيع :

جهاز الاشراف

التوقيع

ملاحظات التسليم

مهندس الاستشاري

أ. م. محمد عبد الله
أ. م. محمد عبد الله
أ. م. محمد عبد الله
أ. م. محمد عبد الله

لإزالة من الرضخ والتطهير
تم الرضخ والتطهير
تم استلام الأعمال المساحة
تمت المساحة والتطهير
تم المعاينة والرضخ من بداية الرضخ المساحة

مهندس الموقع

مهندس الموقع المساحة

المكتب الفني المساحة

مهندس المعمل

مهندس الاستشاري العام

الساعة :

تم الاستلام بتاريخ :

قرار الاستشاري العام (مدير المشروع) :

مقبول

مقبول مع ملاحظات

مرفوض

يعتمد ::

الاستشاري العام

استشاري المساحة
طلب

استشاري المساحة

أ. م. محمد عبد الله
أ. م. محمد عبد الله
أ. م. محمد عبد الله
أ. م. محمد عبد الله

طلب رفع اعمال تطهير (AS BUILT)

مشروع إنشاء الجسر الترابي لخط سكة حديد ٦ أكتوبر - بني سلامة بطول ٦٧ كم



SHAKER
CONSULTANCY GROUP



رقم طلب الفحص
(٦١)

التاريخ

25/04/2024

Contractor

Employer Consultant

GRAB Consultant



ثالث



ثاني



أول

الفحص

البيانات

قطاع الشركة المنفذة

الطول

٦١+٦٢٠

من المحطة

٦٠+٠٠٠

من المحطة

الموقع

٢٢٠

٦١+٨٤٠

إلى المحطة

٦٢+٠٠٠

إلى المحطة

SECTION CUT

REV / / 2024

☒	تطهير أرض طبيعيه	☐	تكسير وإزالة مباني أو خرسائه	☒	رفع مساحة أرض طبيعيه	☐	تسليم أعمال شبكية مشاؤون دخل القطاع
☐	أعمال ردم	☐	أعمال حفر	☐	اختبار (Test Load Plate)	☐	رفع وإزالة مخلفات
☐	طبقة سن ثانية (SubGrade)	☐	طبقة سن أولى (SubGrade)	☐	طبقة فرمة	☐	تشغيل أرض طبيعيه
☐	صلابية مواد (اختبارات معملية)	☐	ميول خرسانية	☐	طبقة سن رابعة (Sub-Ballast)	☐	طبقة سن لثاء (Sub-Ballast)

بيانات طلب الفحص

وصف الأعمال

طلب رفع اعمال تطهير (AS BUILT)

مقدمة لسيادتكم /

طلب رفع اعمال تطهير (AS BUILT) (للمرشد هادي)

سمك الطبقة

مهندس التقيد

المكتب الفني

مهندس الموقع

التوقيع :

التوقيع :

جهاز الأشراف

التوقيع

ملاحظات التسليم

مهندسي الاستشاري

(المرشد هادي)

لا مانع من الرفع والتطهير

مهندس الموقع

مهندس الموقع

تم الرفع والمراجعة على الماكينة

مهندس الموقع المساحة

مهندس الموقع

تم استلام الإجمالي

المكتب الفني المساحة

مهندس الموقع

تم المعاينة بعد التطهير

مهندس المعمل

مهندس الموقع

تم الماكينة ولا مانع من بدأ الزمن المسمى

مهندس الاستشاري العام

الساعة :

تم الاستلام بتاريخ :

قرار الاستشاري العام (مدير المشروع) :

مقبول

مقبول مع ملاحظات

مرفوض

يعتمد !!!

الاستشاري العام

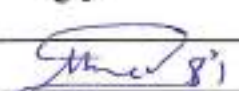
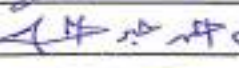
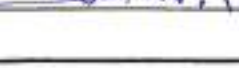
الاستشاري المساحة

الاستشاري المساحة

في ١٣/٠٤/٢٠٢٤

طلب حصر عوائق

مشروع إنشاء الجسر الترابي لخط سكة حديد ٦ أكتوبر - بنى سلامة بطول ٦٧ كم

				 El dawlia for Surveying & Maps		 مكتب المسح الجيوديزي / حصر مهندسين لدراسة الطرق والمطارات والبرور		رقم طلب الفحص (١)
Contractor		Employer Consultant		GRAB Consultant		التاريخ 2/7/2023		
☐ ثالث		☐ ثاني		☐ أول		الفحص		
البيانات				قطاع الشركة المنفذة				
الطول	60+000	من المحطة	60+000	من المحطة	60+000	الموقع		
٢٠٠٠	62+000	إلى المحطة	62+000	إلى المحطة	62+000			
SECTION CUT				REV / / 2024				
☐	تطهير أرض طبيعيه	☐	تكسير وإزالة مباني أو خرسانه	☐	رفع مساحة أرض طبيعيه	☐	تسليم اعمال شبكية مشاؤون دخل القطاع	
☐	أعمال ردم	☐	أعمال حفر	☐	إختبار (Test Load Plate)	☐	رفع وإزالة مخلفات	
☐	طبقة سن ثانية (SubGrade)	☐	طبقة سن أولى (SubGrade)	☐	طبقة فرمة	☐	تشغيل أرض طبيعيه	
☐	صلاحية مواد (إختبارات معملية)	☐	ميول خرسانية	☐	طبقة سن رابعة (Sub-Ballast)	☐	طبقة سن ثالثة (Sub-Ballast)	
بيانات طلب الفحص								
وصف الأعمال		طلب حصر عوائق		مقدمة لسيادتكم /				
طلب حصر عوائق		سلك الطبقة		مهندس التنفيذ		المكتب الفني		
						التوقيع :		
جهاز الإشراف								
التوقيع	ملاحظات التسليم			مهندس الاستشاري				
	لا مانع من الرضع المساحي لتحديد حدود النفوذ والجسر تم امتلاك وبراءة حور غزم هلاله وأمانه الجسر			مهندس الموقع				
				مهندس الموقع المساحة				
				المكتب الفني المساحة				
	تصد المعاملات والجسر لم الحاديه - ولا مانع من بيا حصر العوائق			مهندس المعمل				
				مهندس الاستشاري العام				
تم الاستلام بتاريخ :		الساعة :						
قرار الاستشاري العام (مدير المشروع): يتم حصر العوائق بواسطة مكتب العزل و الباقى حصر بواسطة مكتب حصر مهندسين								
مقبول								
مقبول مع ملاحظات								
مرفوض								

يعتمد

الاستشاري العام

استشاري الجسر

استشاري المساحة



ESM
El dawlia
for Surveying & Maps

مكتب الأستاذ الدكتور / حسن مهدي
استشاري الطرق والمطارات والمرور

SHAKER
CONSULTANCY GROUP



محضر حصر عوائق

لعملية مشروع انشاء خط سكه حديد من المناشي الى 6 اكتوبر من المحطة 60+000 الى المحطة 62+000 تنفيذ شركه أبو عجيله للمقاولات العامة (القطاع بطول 2 كم).

انه في يوم 2 - 7 - 2023 م الموافق يوم الاحد وبحضور

المهندس / أحمد لطفي بكرى
المهندس / خالد مصطفى بدر
المهندس / أحمد جبر
المهندس / محمد حامد أبو عجيله
(عن مكتب شاكر جروب الاستشاري العام)
(عن مكتب دكتور حسن مهدي استشاري الهيئة)
(عن مكتب الدولية استشاري المساحة)
(عن شركة أبو عجيله للمقاولات العامة)
تم حصر المعوقات في المسار في المسافة من 60+000 كم الى المسافة 62+000 كم وهي كالاتي .

البند	من	الي	السمك	الارتفاع م	العدد
اشجار	60+000	60+800	0.32	4.2	2570
	61+000	62+000	0.32	4.2	5420

ملاحظات

تم حصر عود الاشجار الموجودة في المسار
بوجودها في المسار
تم قطع الاشجار بواسطة المنشار

وعليه جري التوقيع

- 1- م / أحمد لطفي الكندي
- 2- م / خالد مصطفى بدر
- 3- م / أحمد جبر
- 4- م / محمد أبو عجيله

4



طلب فحص واستلام

مشروع إنشاء الجسر الترابي لخط سكة حديد ٦ أكتوبر - بني سلامة بطول 68 كم

								رقم طلب الفحص
								التاريخ
Contractor		Employer Consultant		GRAB Consultant		20/10/2024		
☐ ثالث		☐ ثاني		☐ أول				الفحص
البيانات				قطاع الشركة المنفذة				الموقع
الطول		من المحطة		من المحطة				
٦٠+٠٠٠		٦٢+٠٠٠		٦٢+٠٠٠				
SECTION CUT				REV / / 2024				
☐ تظهير أرض طبيعيه		☐ تكسير وإزالة مباني أو خرسانه		☐ رفع مساحة أرض طبيعيه		☐ تسليم اعمال شبكية مشاؤون دخل القطاع		
☐ اعمال ردم		☐ اعمال حفر		☐ اختبار (Test Load Plate)		☐ رفع وإزالة مخلفات		
☐ طبقة سن ثانية (SubGrade)		☐ طبقة سن أولى (SubGrade)		☐ طبقة فرمة		☐ تشغيل أرض طبيعيه		
☐ صلاحية مواد (اختبارات معملية)		☐ ميول خرسانية		☐ طبقة سن رابعة (Sub-Ballast)		☐ طبقة سن ثالثة (Sub-Ballast)		
بيانات طلب الفحص								
وصف الأعمال				مقدمة لسيادتكم /				
رفع اسبليت لعمل مستخلص جاري 1				طلب رفع اسبليت جاري 1				
سمك الطبقة				المكتب الفني				
٤٠٩ / ٢٠٢٤ / ٢٠				مهندس التنفيذ				
				التوقيع :				
جهاز الأشراف								
التوقيع		ملاحظات التسليم		مهندس الاستشاري				
[Signature]		لا مانع من رفع مزائه		مهندس الموقع				
[Signature]		تم الرفع والمراجحة		مهندس الموقع المساحة				
[Signature]		تم استلام الارض الخاصة		المكتب الفني المساحة				
[Signature]				مهندس المعمل				
[Signature]		لا مانع من الرفع المساحة		مهندس الاستشاري العام				
		الساعة:		تم الاستلام بتاريخ:				
قرار الاستشاري العام (مدير المشروع):								
				مقبول				
				مقبول مع ملاحظات				
				مرفوض				

بمعمد

الاستشاري العام

استشاري المساحة

استشاري المساحة

P	N	E	Z	P	N	E	Z
1	842208.13	593261.74	69.5084	2506	842705.752	594042.04	56.4051
2	842224.066	593256.75	65.5938	2507	842699.792	594030.81	56.5288
3	842238.658	593245.22	67.1157	2508	842705.051	594060.64	61.0105
4	842209.944	593281.67	72.5311	2509	842214.461	593288.97	72.4802
5	842218.498	593274.8	67.4471	2510	842698.74	594047.31	60.2851
6	842234.242	593266.54	65.4448	2511	842693.481	594039.24	60.4632
7	842246.291	593262.88	65.4641	2512	842719.074	594052.57	56.2253
8	842257.434	593253.48	72.3598	2513	842718.022	594047.31	56.2689
9	842183.17	593237.26	72.5867	2514	842714.517	594044.15	56.3188
10	842190.082	593232.93	69.8333	2515	842712.413	594036.78	56.3851
11	842198.53	593226.39	66.0059	2516	842238.096	593287.57	65.2733
12	842209.474	593217.94	65.9719	2517	842239.982	593288.15	65.2539
13	842215.426	593215.06	65.9419	2518	842708.907	594033.27	56.4374
14	842224.066	593207.57	71.9264	2519	842707.154	594029.76	56.4751
15	842224.642	593244.84	65.6681	2520	842723.982	594048.71	56.2105
16	842229.634	593238.88	65.6665	2521	842720.827	594042.39	56.2785
17	842236.354	593228.7	71.667	2522	842717.321	594036.78	56.3447
18	842237.968	593223.09	72.5539	2523	842713.815	594032.57	56.4016
19	842230.747	593212.2	70.5198	2524	842709.258	594026.6	56.4788
20	842228.29	593216.41	69.6668	2525	842731.695	594048.71	56.1469
21	842222.914	593225.43	65.9588	2526	842723.281	594032.92	56.3212
22	842222.914	593231.97	65.7679	2527	842718.022	594023.44	56.4275
23	842229.25	593231.58	66.9224	2528	842728.19	594043.1	56.2131
24	842241.922	593234.08	71.5654	2529	842725.034	594037.83	56.2741
25	842246.721	593240.03	71.814	2530	842721.879	594027.65	56.3678
26	842243.265	593253.1	66.8825	2531	842739.759	594045.2	57.2539
27	842227.33	593267.7	65.4941	2532	842736.954	594040.29	57.4286
28	842213.122	593267.5	68.8507	2533	842735.902	594032.92	59.0101
29	842205.826	593267.89	71.5947	2534	842730.994	594034.32	56.5725
30	842193.319	593254.45	72.6565	2535	842730.293	594026.95	58.3007
31	842187.015	593243.83	72.6265	2536	842738.357	594028.36	62.2604
32	842192.386	593245.22	69.885	2537	842742.564	594037.83	61.8407
33	842214.508	593260.53	65.6474	2538	842743.966	594044.5	59.2057
34	842220.418	593252.9	65.6494	2539	842747.472	594044.5	61.7855
35	842232.898	593250.02	65.5656	2540	842748.173	594040.64	62.7771
36	842238.271	593283.54	65.2986	2541	842744.667	594032.57	63.2865
37	842226.929	593292.42	69.3415	2542	842742.914	594025.2	64.2823
38	842219.725	593297.49	72.4076	2543	842739.408	594023.79	63.4127
39	842227.092	593309.34	72.2978	2544	842735.201	594022.39	62.3864
40	842234.031	593306.48	69.9137	2545	842732.397	594022.04	60.5279
41	842238.684	593302.6	66.9202	2546	842727.839	594021.69	58.7182
42	842243.724	593298.53	65.1541	2547	842723.632	594022.39	56.7664
43	842247.796	593295.23	65.1424	2548	842725.735	594025.9	56.6835
44	842254.969	593288.25	65.1297	2549	842728.54	594031.52	58.8178
45	842257.683	593286.11	65.1215	2550	842729.241	594037.83	57.9788
46	842260.785	593281.85	66.3238	2551	842705.051	594053.98	59.2947





P	N	E	Z	P	N	E	Z
47	842266.02	593277.58	70.6668	2552	842707.855	594048.36	56.6472
48	842268.346	593275.64	71.0916	2553	842710.66	594045.9	56.3389
49	842261.623	593260.12	72.288	2554	842704.7	594037.48	56.444
50	842250.898	593270.01	65.4344	2555	842698.74	594037.83	57.8469
51	842242.755	593271.76	65.3399	2556	842696.637	594043.1	60.1035
52	842235	593276.22	65.3742	2557	842692.78	594048.36	62.0316
53	842227.245	593280.68	65.4085	2558	842688.223	594054.68	65.6105
54	842218.715	593283.2	70.492	2559	842690.677	594065.91	66.3882
55	842216.776	593287.66	71.3913	2560	842695.935	594057.84	63.1163
56	842516.579	593730.81	60.7253	2561	842701.545	594052.57	60.4369
57	842516.734	593727.08	60.7832	2562	842734.5	594016.78	63.4568
58	842526.713	593725.33	60.5218	2563	842739.058	594017.48	64.8677
59	842535.59	593730.35	59.9892	2564	842741.862	594018.88	65.4933
60	842542.765	593723.35	64.1324	2565	842746.771	594021.34	66.5684
61	842552.647	593725.15	66.6911	2566	842749.575	594028.01	65.8661
62	842558.945	593733.13	67.137	2567	842749.926	594031.16	65.2219
63	842548.8	593734.16	63.692	2568	842752.731	594031.52	66.0312
64	842539.252	593730.54	60.8325	2569	842752.731	594030.11	66.3671
65	842529.202	593729.22	60.4748	2570	842751.679	594024.85	67.2917
66	842519.058	593730	60.5139	2571	842749.926	594022.39	67.3213
67	842562.278	593739.57	66.765	2572	842747.472	594019.93	67.1276
68	842567.184	593748.57	66.349	2573	842744.317	594015.72	67.1304
69	842572.931	593757.04	66.4286	2574	842759.147	594029.95	68.4485
70	842578.711	593765.35	66.5649	2575	842756.587	594023.09	68.9447
71	842583.003	593774.79	65.7708	2576	842753.081	594019.58	68.6071
72	842585.723	593784.53	65.1253	2577	842749.926	594013.97	68.7269
73	842587.411	593794.49	63.2916	2578	842748.173	594011.16	68.7429
74	842591.809	593803.83	62.5685	2579	842746.069	594009.05	68.5754
75	842596.451	593812.81	62.0472	2580	842719.425	594058.19	56.1851
76	842600.446	593822.19	61.146	2581	842714.867	594062.05	57.1622
77	842605.379	593831.22	60.7328	2582	842709.959	594066.61	60.4409
78	842610.241	593840.07	60.3367	2583	842704.35	594068.01	62.1271
79	842615.156	593848.92	59.9667	2584	842690.813	594070.8	67.6682
80	842606.119	593844.11	59.0099	2585	842688.152	594067.6	67.7942
81	842599.573	593836.38	59.139	2586	842686.36	594065.64	67.9844
82	842595.41	593827.06	59.2116	2587	842685.273	594063.95	68.0036
83	842592.32	593817.4	59.1199	2588	842683.535	594061.89	68.1557
84	842589.037	593807.86	60.3056	2589	842682.286	594059.33	68.0591
85	842584.446	593798.83	60.8624	2590	842684.459	594060.31	67.7022
86	842580.7	593789.28	61.9155	2591	842689.292	594072.27	68.3332
87	842576.206	593780.05	62.5663	2592	842689.998	594062.27	66.1942
88	842571.912	593770.91	63.2775	2593	842693.094	594061.18	65.1945
89	842568.164	593761.52	64.285	2594	842247.349	593336.79	71.0848
90	842562.826	593752.99	64.3945	2595	842251.993	593334.53	69.3796
91	842558.281	593744	64.9596	2596	842255.652	593330.45	65.8331

Handwritten signature/initials.



P	N	E	Z	P	N	E	Z
92	842565.1	593751.6	65.5128	2597	842262.97	593323.83	64.8273
93	842546.305	593747.34	59.7582	2598	842265.391	593320.43	64.83
94	842536.248	593745.77	60.3536	2599	842270.176	593314.09	64.8327
95	842526.188	593747.1	60.5256	2600	842276.227	593308.03	65.5999
96	842526.925	593757.15	60.427	2601	842281.152	593303.52	69.4485
97	842533.143	593763.34	59.6681	2602	842283.263	593300.99	70.5746
98	842536.322	593760.63	60.3848	2603	842284.764	593299.58	71.2974
99	842544.528	593754.79	60.1887	2604	842282.494	593298.85	70.7683
100	842549.41	593751.54	59.5925	2605	842279.817	593300.54	69.6408
101	842553.55	593759.71	59.9079	2606	842278.266	593303.08	68.6801
102	842558.155	593768.71	59.9153	2607	842274.602	593306.04	65.4646
103	842550.596	593775.32	59.9694	2608	842270.797	593309.43	64.8585
104	842546.043	593778.57	60.1549	2609	842268.824	593311.69	64.8597
105	842549.202	593785.67	59.0558	2610	842266.146	593314.51	64.8631
106	842553.767	593794.79	59.7084	2611	842262.2	593319.45	64.8628
107	842577.735	593803.44	59.5542	2612	842256.845	593324.95	64.8704
108	842567.621	593817.4	59.2553	2613	842249.517	593329.89	69.2708
109	842571.939	593808.05	59.5919	2614	842245.145	593331.52	70.858
110	842577.927	593804.55	59.5523	2615	842253.547	593326.43	65.7017
111	842581.876	593809.64	59.4753	2616	842286.565	593301.55	71.4403
112	842586.767	593818.68	59.3859	2617	842285.719	593302.51	71.0009
113	842578.594	593824.96	59.4212	2618	842284.808	593303.1	70.6152
114	842577.414	593835.05	58.8244	2619	842283.401	593304.27	69.9662
115	842582.668	593843.71	57.7231	2620	842281.527	593306.08	69.0543
116	842592.37	593840.24	59.2141	2621	842280	593307.57	68.3583
117	842597.457	593848.91	59.1076	2622	842278.238	593309.77	65.9636
118	842605.991	593843.65	59.0117	2623	842275.122	593312.32	64.8036
119	842614.622	593848.68	59.8081	2624	842272.43	593315.44	64.8051
120	842607.035	593855.74	59.0145	2625	842270.588	593318.28	64.8014
121	842598.549	593861.1	59.1878	2626	842268.179	593321.82	64.7977
122	842598.882	593871.31	57.9023	2627	842264.496	593326.22	64.7989
123	842603.571	593880.49	58.3062	2628	842262.512	593328.49	64.8001
124	842612.98	593876.81	58.7547	2629	842259.962	593329.91	64.8118
125	842621.261	593870.92	58.7305	2630	842257.979	593332.74	65.4259
126	842630.217	593875.61	58.1336	2631	842255.287	593334.73	68.009
127	842637.041	593882.99	58.7901	2632	842253.729	593336.86	69.2192
128	842629.541	593890.04	58.0433	2633	842250.753	593337.85	70.332
129	842621.459	593895.96	58.0706	2634	842248.77	593339.27	71.088
130	842620.036	593905.9	57.8095	2635	842287.573	593303.64	71.3265
131	842625.591	593914.36	58.5676	2636	842285.852	593305.2	70.5093
132	842635.077	593910.47	57.8619	2637	842283.853	593308.09	69.3465
133	842642.775	593904.04	58.3229	2638	842282.132	593310.65	68.3636
134	842652.748	593905.06	59.3047	2639	842280.355	593312.87	65.9989
135	842659.275	593912.96	59.8685	2640	842278.19	593314.81	64.7617
136	842653.39	593921.37	57.6385	2641	842275.339	593316.49	64.7741

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P	N	E	Z	P	N	E	Z
137	842645.184	593927.12	58.1675	2642	842273.174	593318.54	64.7783
138	842641.476	593936.52	57.6233	2643	842271.786	593321.49	64.7702
139	842647.029	593944.92	57.5225	2644	842268.787	593325.6	64.7676
140	842657.219	593943.88	57.4574	2645	842267.543	593327.17	64.7674
141	842666.159	593938.84	57.4172	2646	842263.934	593329.78	64.7798
142	842673.849	593945.3	57.3109	2647	842262.934	593332.34	64.7711
143	842679.471	593953.71	57.2087	2648	842259.714	593334.12	65.0357
144	842672.597	593961.17	57.2158	2649	842257.882	593336.57	67.3549
145	842664.133	593966.78	57.2482	2650	842255.494	593338.18	68.792
146	842666.154	593976.65	57.166	2651	842254.162	593339.01	69.5774
147	842667.291	593986.87	59.1972	2652	842252.926	593339.95	70.0727
148	842677.104	593984.18	57.0257	2653	842251.675	593340.36	70.4752
149	842685.631	593978.53	56.9929	2654	842250.597	593341.16	70.8906
150	842694.071	593973.02	57.9456	2655	842249.415	593341.72	71.2961
151	842700.347	593981.09	58.3557	2656	842248.512	593342.21	71.6157
152	842707.586	593988.22	59.4298	2657	842246.661	593334.07	70.8472
153	842699.593	593994.5	56.7718	2658	842250.775	593332.37	69.3563
154	842691.573	594000.5	56.798	2659	842253.755	593329.39	67.3172
155	842682.021	594004.11	56.8527	2660	842256.592	593327.54	64.8553
156	842687.971	594012.31	55.8931	2661	842259.855	593325.69	64.8406
157	842697.797	594014.04	56.6567	2662	842260.565	593322	64.8593
158	842707.852	594014.26	56.5724	2663	842258.72	593322.57	64.8707
159	842717.135	594009.98	57.4532	2664	842283.14	593297.03	71.3187
160	842706.975	594010.84	56.6024	2665	842246.451	593338.24	71.553
161	842699.862	594003.56	56.7093	2666	842245.38	593337.34	71.7022
162	842694.363	593995.14	56.8106	2667	842244.571	593335.44	71.6233
163	842688.889	593986.44	56.9135	2668	842243.892	593333.79	71.5502
164	842682.995	593978.32	57.0161	2669	842243.104	593332.48	71.5579
165	842744.794	594125.51	60.4796	2670	842247.434	593340.44	71.631
166	842723.415	594103.91	63.1645	2671	842250.015	593344.3	71.5368
167	842758.817	594098.83	56.1591	2672	842251.195	593343.63	71.1135
168	842871.467	594269.27	54.0183	2673	842252.543	593342.5	70.5747
169	842923.729	594394.35	53.0817	2674	842255.126	593340.99	69.6413
170	842932.498	594388.9	52.2312	2675	842257.837	593339.46	68.1078
171	842941.132	594383.46	52.7134	2676	842259.578	593338.28	67.0584
172	842949.815	594379.81	53.3215	2677	842261.824	593337.21	64.927
173	842950.836	594380.82	53.4704	2678	842263.453	593335.7	64.7445
174	842956.407	594389.26	53.4852	2679	842265.363	593333.56	64.743
175	842961.662	594397.86	53.3248	2680	842267.123	593332.26	64.7371

20

P	N	E	Z	P	N	E	Z
182	842554.604	593802.18	59.225	2687	842276.469	593320.53	64.738
183	842565.236	593819.12	59.024	2688	842277.458	593319.54	64.7364
184	842575.868	593836.06	58.824	2689	842278.895	593318.1	64.7341
185	842586.499	593853	58.624	2690	842280.692	593316.21	65.2229
186	842597.131	593869.94	58.4238	2691	842281.794	593314.94	66.0329
187	842607.763	593886.88	58.2236	2692	842283.501	593312.96	68.3354
188	842618.395	593903.82	58.0233	2693	842284.849	593309.72	69.319
189	842629.026	593920.76	57.823	2694	842287.185	593309	70.1531
190	842639.658	593937.7	57.6229	2695	842288.532	593307.2	70.9075
191	842650.29	593954.64	57.4228	2696	842288.92	593305.7	71.3195
192	842660.922	593971.58	57.2225	2697	842281.832	593312.8	68.1247
193	842671.553	593988.52	57.0426	2698	842285.155	593311.78	69.0032
194	842682.185	594005.46	56.8424	2699	842287.634	593311.95	69.704
195	842692.817	594022.4	56.6422	2700	842289.155	593309.64	70.611
196	842724.712	594073.22	56.0416	2701	842290.337	593308.62	71.1618
197	842735.344	594090.16	55.8414	2702	842286.425	593313.69	69.0028
198	842745.975	594107.1	55.621	2703	842283.992	593315.49	68.1684
199	842747.714	594129.62	60.4407	2704	842282.551	593317.3	65.7027
200	842758.345	594146.56	60.2405	2705	842280.658	593319.01	64.7135
201	842768.977	594163.5	60.0403	2706	842279.127	593320.81	64.7142
202	842779.609	594180.44	59.8401	2707	842277.595	593323.07	64.7118
203	842790.241	594197.38	59.6399	2708	842275.973	593325.05	64.712
204	842800.872	594214.32	59.4397	2709	842274.171	593327.22	64.7125
205	842811.504	594231.26	59.2395	2710	842270.567	593331.91	64.711
206	842822.136	594248.2	59.0393	2711	842271.738	593329.74	64.7158
207	842832.768	594265.14	58.8391	2712	842268.609	593333.53	64.7164
208	842843.399	594282.08	58.6389	2713	842266.806	593335.34	64.7192
209	842854.031	594299.02	58.4387	2714	842264.912	593336.78	64.7253
210	842864.663	594315.96	58.2385	2715	842263.649	593337.6	64.7303
211	842875.295	594332.9	58.0383	2716	842262.837	593338.32	64.7767
212	842885.926	594349.84	57.8381	2717	842260.853	593339.58	66.8376
213	842896.558	594366.78	57.6379	2718	842259.32	593340.39	67.7042
214	842907.19	594383.72	57.4377	2719	842258.237	593341.57	68.4678
215	842917.822	594400.66	57.2375	2720	842255.892	593342.65	69.6941
216	842928.453	594417.6	57.0373	2721	842254.449	593343.74	70.2522
217	842939.085	594434.54	56.8371	2722	842253.572	593344.06	70.5397
218	842939.553	594457.86	61.5569	2723	842252.532	593345.17	70.9928
219	842950.185	594474.8	61.3567	2724	842252.046	593345.35	71.1517
220	842960.816	594491.74	61.1565	2725	842251.205	593345.79	71.4476
221	842971.448	594508.68	60.9563	2726	842250.607	593345.86	71.6191
222	842982.08	594525.62	60.7561	2727	842292.054	593310.2	71.3595
223	842992.712	594542.56	60.5559	2728	842290.637	593307.43	71.4859
224	843003.343	594559.5	60.3557	2729	842290.865	593311.48	70.7543
225	842532.821	593674.17	71.3033	2730	842288.657	593313.86	69.63
226	842543.272	593691.22	70.9966	2731	842285.635	593317.78	68.1798

Handwritten signature

Official stamp and text

P	N	E	Z	P	N	E	Z
227	842553.904	593708.16	70.7964	2732	842284.05	593319.59	65.6997
228	842564.536	593725.1	70.5962	2733	842282.294	593321.8	64.6815
229	842575.167	593742.04	70.396	2734	842278.727	593327.24	64.6747
230	842585.799	593758.98	70.1958	2735	842275.477	593330.26	64.6815
231	842596.431	593775.93	69.9956	2736	842274.005	593332.13	64.6812
232	842607.063	593792.87	69.7954	2737	842270.834	593334.97	64.6885
233	842617.694	593809.81	69.5952	2738	842268.229	593338.65	64.6855
234	842628.326	593826.75	69.395	2739	842264.945	593340.97	64.6971
235	842637.021	593844.9	68.9862	2740	842261.831	593342.16	67.0695
236	842647.432	593861.98	68.6564	2741	842259.509	593344.26	68.601
237	842660.221	593877.57	68.7944	2742	842257.399	593345.2	69.6844
238	842670.853	593894.51	68.5942	2743	842255.343	593346.51	70.4436
239	842681.485	593911.45	68.394	2744	842253.642	593346.87	70.9578
240	842692.116	593928.39	68.1938	2745	842252.045	593347.33	71.4602
241	842702.748	593945.33	67.9936	2746	842279.844	593324.12	64.6863
242	842713.38	593962.27	67.7934	2747	842281.569	593323.76	64.6745
243	842724.012	593979.21	67.5932	2748	842281.387	593326.39	64.6584
244	842734.643	593996.15	67.393	2749	842279.662	593329.03	64.6552
245	842766.539	594046.97	66.7924	2750	842277.846	593331.3	64.655
246	842777.17	594063.91	66.5921	2751	842276.303	593333.48	64.6533
247	842787.802	594080.85	66.3919	2752	842274.305	593335.48	64.6565
248	842798.434	594097.79	66.1918	2753	842272.308	593338.3	64.6542
249	842809.066	594114.73	65.9915	2754	842270.401	593340.3	64.6566
250	842819.697	594131.67	65.7913	2755	842268.222	593341.57	64.6662
251	842830.329	594148.61	65.5911	2756	842265.952	593343.48	64.7695
252	842840.961	594165.55	65.3909	2757	842264.499	593344.21	65.5796
253	842851.593	594182.49	65.1907	2758	842262.774	593345.39	67.4791
254	842862.224	594199.43	64.9906	2759	842260.504	593346.66	68.7797
255	842872.856	594216.37	64.7903	2760	842259.505	593347.12	69.3252
256	842883.488	594233.31	64.5901	2761	842256.963	593348.39	70.2994
257	842894.12	594250.25	64.3899	2762	842255.601	593349.03	70.7659
258	842904.751	594267.19	64.1897	2763	842254.057	593349.84	71.3098
259	842925.547	594277.75	68.9095	2764	842252.6	593348.86	71.55
260	842936.179	594294.69	68.7093	2765	842283.83	593324.73	64.6494
261	842946.811	594311.63	68.5091	2766	842285.835	593322.63	65.6129
262	842957.442	594328.57	68.3089	2767	842287.474	593319.53	68.2673
263	842968.074	594345.51	68.1087	2768	842288.899	593318.02	68.8803
264	842978.706	594362.45	67.9085	2769	842290.382	593317.16	69.4886
265	842989.338	594379.39	67.7083	2770	842290.553	593315.62	69.8437
266	842999.969	594396.33	67.5081	2771	842291.922	593314.71	70.4296
267	843010.601	594413.27	67.3079	2772	842292.492	593313.57	70.824
268	843021.233	594430.21	67.1077	2773	842293.062	593311.91	71.3199
269	843031.865	594447.15	66.9075	2774	842254.407	593351.94	71.5415
270	843042.496	594464.09	66.7073	2775	842255.874	593351.29	71.0454
271	843053.128	594481.03	66.5071	2776	842257.591	593350.47	70.4539

Handwritten signature/initials in blue ink.



P	N	E	Z	P	N	E	Z
272	843063.76	594497.97	66.3069	2777	842259.093	593349.39	69.8813
273	843074.392	594514.91	66.1067	2778	842260.918	593348.07	68.9573
274	842533.077	593674.01	71.3062	2779	842268.81	593345.56	64.6348
275	842544.219	593690.63	71.5557	2780	842273.19	593342.64	64.6181
276	842555.249	593707.32	71.5906	2781	842275.527	593340.44	64.6134
277	842565.574	593724.45	71.2092	2782	842276.987	593338.84	64.6121
278	842576.698	593741.08	71.2996	2783	842279.177	593336.5	64.6095
279	842587.345	593758.02	71.1083	2784	842281.367	593333.72	64.6099
280	842598.071	593774.9	70.9637	2785	842283.558	593330.94	64.6103
281	842608.829	593791.76	70.838	2786	842285.748	593328.46	64.6088
282	842619.098	593808.92	70.4239	2787	842287.938	593326.41	65.4554
283	842628.532	593826.62	69.5166	2788	842289.836	593324.66	68.114
284	842636.77	593845.06	68.9834	2789	842291.735	593322.76	68.7848
285	842647.182	593862.14	68.6535	2790	842292.903	593321.15	69.4483
286	842660.404	593877.45	68.9022	2791	842293.925	593319.69	70.0397
287	842671.558	593894.06	69.0104	2792	842294.063	593316.55	70.7011
288	842682.604	593910.74	69.0547	2793	842292.048	593318.29	69.7602
289	842693.496	593927.52	69.0081	2794	842289.117	593320.67	68.4214
290	842704.299	593944.35	68.9089	2795	842295.578	593318.17	70.8289
291	842714.869	593961.33	68.6724	2796	842296.252	593317.52	71.1574
292	842726.153	593977.86	68.8572	2797	842296.028	593316.51	71.2907
293	842737.094	593994.61	68.8395	2798	842295.668	593315.41	71.4018
294	842770.518	594044.47	69.1413	2799	842295.331	593314.62	71.4574
295	842781.323	594061.3	69.0435	2800	842294.882	593313.83	71.4797
296	842792.399	594077.96	69.1056	2801	842267.196	593345.89	64.8571
297	842803.56	594094.57	69.2178	2802	842264.532	593348.1	67.4074
298	842814.404	594111.38	69.1429	2803	842261.41	593350.22	69.2887
299	842825.11	594128.27	68.9866	2804	842259.955	593351.08	69.9119
300	842836.4	594144.8	69.175	2805	842258.407	593352.27	70.5147
301	842847.407	594161.5	69.1962	2806	842257.183	593352.85	70.9346
302	842858.578	594178.1	69.3142	2807	842255.779	593353.39	71.3975
303	842869.826	594194.66	69.4779	2808	842257.004	593354.62	71.2602
304	842880.716	594211.43	69.4301	2809	842258.815	593354.04	70.6801
305	842891.469	594228.3	69.3015	2810	842261.159	593353.24	69.888
306	842901.952	594245.33	69.0133	2811	842263.344	593352.06	69.0318
307	842912.834	594262.11	68.9611	2812	842265.315	593350.52	68.1691
308	842925.731	594277.63	69.018	2813	842267.553	593349.77	67.3762
309	842936.771	594294.32	69.0587	2814	842269.224	593349.14	64.8217
310	842948.335	594310.67	69.4091	2815	842271.437	593347.35	64.6013
311	842960.153	594326.87	69.9091	2816	842273.907	593345.22	64.5951
312	842971.647	594343.27	70.2178	2817	842276.376	593343.51	64.586
313	842982.993	594359.76	70.4395	2818	842279.271	593341.72	64.5741
314	842994.21	594376.33	70.5847	2819	842281.655	593339.16	64.5714
315	843005.267	594393	70.6353	2820	842285.602	593337.61	64.5492
316	843016.346	594409.66	70.6992	2821	842287.135	593335.48	64.5507

P	N	E	Z	P	N	E	Z
677	842847.407	594161.5	69.196	3182	842324.066	593411.32	63.7423
678	842858.578	594178.1	69.3143	3183	842327.056	593410.09	63.7258
679	842869.826	594194.66	69.4777	3184	842330.059	593407.9	63.7157
680	842880.716	594211.43	69.43	3185	842333.372	593405.81	63.7022
681	842891.469	594228.3	69.3013	3186	842334.757	593404.82	63.6974
682	842901.952	594245.33	69.0133	3187	842335.612	593404.29	64.0326
683	842912.834	594262.11	68.9609	3188	842338.339	593403.52	67.525
684	842923.853	594278.81	68.9895	3189	842341.443	593402.38	66.9952
685	842934.485	594295.75	68.7893	3190	842343.29	593400.6	68.2548
686	842945.117	594312.69	68.5891	3191	842345.433	593399.38	69.562
687	842955.748	594329.63	68.3889	3192	842348.152	593396.31	69.5111
688	842966.38	594346.57	68.1887	3193	842346.436	593394.12	69.4937
689	842977.012	594363.51	67.9885	3194	842343.344	593389.01	69.4757
690	842987.644	594380.45	67.7883	3195	842300.566	593424.72	69.746
691	842998.275	594397.39	67.5881	3196	842306.375	593422.91	67.8736
692	843016.346	594409.66	70.6991	3197	842309.232	593420.91	66.1333
693	843027.022	594426.58	70.5251	3198	842313.232	593418.53	63.8048
694	843038.191	594443.18	70.642	3199	842319.803	593410.8	63.7809
695	843049.088	594459.95	70.5982	3200	842323.327	593408.32	63.7683
696	843060.123	594476.64	70.6365	3201	842313.183	593426.74	65.9391
697	843070.707	594493.61	70.4081	3202	842315.789	593425.65	64.5413
698	843081.285	594510.58	70.1761	3203	842318.802	593424	63.7015
699	842532.64	593674.28	71.1968	3204	842322.149	593422.27	63.6854
700	842543.272	593691.22	70.9966	3205	842330.555	593421.02	63.6244
701	842553.904	593708.16	70.7964	3206	842342.161	593415.66	63.6509
702	842564.536	593725.1	70.5962	3207	842346.59	593411.84	66.5511
703	842575.167	593742.04	70.396	3208	842347.354	593406.95	68.6357
704	842585.799	593758.98	70.1958	3209	842338.343	593410.16	63.6323
705	842596.431	593775.93	69.9956	3210	842333.915	593412.45	63.6536
706	842607.063	593792.87	69.7954	3211	842321.85	593417.35	63.7206
707	842617.694	593809.81	69.5952	3212	842318.948	593419.94	63.7273
708	842628.326	593826.75	69.395	3213	842348.511	593404.97	69.3689
709	842637.021	593844.9	68.9862	3214	842350.832	593401.75	69.5468
710	842647.432	593861.98	68.6564	3215	842345.956	593402.27	69.1453
711	842660.221	593877.57	68.7944	3216	842342.258	593407.62	65.8963
712	842670.853	593894.51	68.5942	3217	842344.366	593407.05	66.9358
713	842681.485	593911.45	68.394	3218	842339.191	593412.52	63.6097
714	842692.116	593928.39	68.1938	3219	842334.783	593416.93	63.6167
715	842702.748	593945.33	67.9936	3220	842324.878	593416.23	63.7031
716	842713.38	593962.27	67.7934	3221	842325.123	593419.91	63.6766
717	842724.012	593979.21	67.5932	3222	842327.819	593425.79	63.6153
718	842734.643	593996.15	67.393	3223	842335.169	593423.34	63.571
719	842766.539	594046.97	66.7924	3224	842338.109	593417.45	63.5858
720	842777.17	594063.91	66.5921	3225	842340.314	593417.45	63.5676
721	842787.802	594080.85	66.3919	3226	842338.844	593425.06	63.5293

Handwritten signature or initials in blue ink.



P	N	E	Z	P	N	E	Z
722	842798.434	594097.79	66.1918	3227	842332.474	593430.7	63.5443
723	842809.066	594114.73	65.9915	3228	842326.348	593431.19	63.5915
724	842819.697	594131.67	65.7913	3229	842319.243	593433.39	65.0529
725	842830.329	594148.61	65.5911	3230	842314.343	593435.36	68.8943
726	842840.961	594165.55	65.3909	3231	842309.988	593437.06	69.8144
727	842851.593	594182.49	65.1907	3232	842308.722	593434.46	69.7515
728	842862.224	594199.43	64.9906	3233	842313.364	593432.23	68.7688
729	842872.856	594216.37	64.7903	3234	842316.136	593431.44	65.8834
730	842883.488	594233.31	64.5901	3235	842318.487	593429.27	64.3162
731	842894.12	594250.25	64.3899	3236	842302.987	593431.73	70.9975
732	842904.751	594267.19	64.1897	3237	842303.417	593432.83	69.8454
733	842925.547	594277.75	68.9095	3238	842304.527	593434.12	69.8519
734	842936.179	594294.69	68.7093	3239	842306.381	593437.49	69.879
735	842946.811	594311.63	68.5091	3240	842307.314	593439.29	69.8955
736	842957.442	594328.57	68.3089	3241	842310.75	593430.84	69.0744
737	842968.074	594345.51	68.1087	3242	842306.723	593431.49	69.828
738	842978.706	594362.45	67.9085	3243	842321.803	593424.89	63.6708
739	842989.338	594379.39	67.7083	3244	842322.579	593436.86	64.5154
740	842999.969	594396.33	67.5081	3245	842326.151	593440.13	63.8238
741	843010.601	594413.27	67.3079	3246	842334.382	593446.97	63.4205
742	843021.233	594430.21	67.1077	3247	842342.768	593452.88	63.3121
743	843031.865	594447.15	66.9075	3248	842346.495	593461.27	63.2256
744	843042.496	594464.09	66.7073	3249	842335.158	593460.18	65.1214
745	843053.128	594481.03	66.5071	3250	842327.238	593454.74	68.5421
746	843063.76	594497.97	66.3069	3251	842320.405	593447.28	68.9872
747	843074.392	594514.91	66.1067	3252	842316.367	593442.93	69.2555
748	842471.756	593712.5	70.3658	3253	842315.502	593449.79	70.3377
749	842482.388	593729.44	70.1656	3254	842317.482	593452.92	70.2886
750	842493.019	593746.38	69.9654	3255	842337.858	593433.88	63.4787
751	842503.651	593763.32	69.7652	3256	842343.607	593434.08	63.43
752	842514.283	593780.26	69.565	3257	842348.48	593434.86	63.3847
753	842524.915	593797.2	69.3648	3258	842350.819	593427.54	64.0131
754	842535.546	593814.14	69.1646	3259	842353.787	593422.65	67.871
755	842546.178	593831.08	68.9644	3260	842357.977	593421.28	68.9534
756	842556.81	593848.02	68.7642	3261	842359.342	593430.25	66.8338
757	842567.442	593864.96	68.5639	3262	842360.219	593434.35	66.0768
758	842578.073	593881.9	68.3638	3263	842354.664	593439.91	63.3001
759	842588.705	593898.84	68.1635	3264	842349.499	593442.06	66.1085
760	842599.337	593915.78	67.9634	3265	842346.088	593442.94	63.3507
761	842609.969	593932.72	67.7632	3266	842337.945	593438.77	63.4456
762	842620.6	593949.66	67.563	3267	842333.424	593447.04	63.4279
763	842631.232	593966.6	67.3628	3268	842340.128	593448.91	63.3602
764	842641.864	593983.54	67.1625	3269	842340.439	593445.32	63.3815
765	842652.496	594000.48	66.9624	3270	842332.333	593440.64	63.4794
766	842663.127	594017.42	66.7621	3271	842329.371	593433.46	63.5515

Handwritten signature or initials in blue ink.

Handwritten text or stamp in blue ink, possibly a date or reference number.

P	N	E	Z	P	N	E	Z
767	842673.759	594034.36	66.562	3272	842328.903	593445.01	63.8988
768	842705.654	594085.18	65.9613	3273	842329.527	593451.41	65.2777
769	842716.286	594102.12	65.7611	3274	842332.021	593457.34	65.734
770	842726.918	594119.06	65.5609	3275	842327.968	593461.24	69.0186
771	842730.396	594140.49	68.5038	3276	842329.995	593469.98	69.5481
772	842740.691	594157.64	68.5021	3277	842338.257	593465.14	65.0676
773	842751.231	594174.64	68.3559	3278	842342.778	593457.96	63.2782
774	842761.449	594191.84	68.4002	3279	842347.299	593453.43	63.271
775	842771.582	594209.09	68.4944	3280	842351.196	593451.41	63.2524
776	842781.946	594226.2	68.4522	3281	842356.029	593447.97	63.2353
777	842792.179	594243.39	68.4872	3282	842361.953	593444.07	64.1362
778	842802.556	594260.49	68.4376	3283	842365.227	593440.17	66.5752
779	842813.121	594277.47	68.2768	3284	842366.925	593435.52	68.7917
780	842823.259	594294.72	68.3681	3285	842364.726	593436.38	68.0969
781	842833.703	594311.78	68.2787	3286	842360.816	593439.5	67.2146
782	842844.335	594328.72	68.0785	3287	842358.861	593441.58	63.5272
783	842854.967	594345.66	67.8783	3288	842355.134	593442.56	63.2787
784	842865.598	594362.6	67.6781	3289	842365.407	593431.54	69.1284
785	842876.23	594379.54	67.4779	3290	842363.803	593427.99	69.3536
786	842886.862	594396.48	67.2777	3291	842348.936	593415.41	66.5539
787	842897.494	594413.42	67.0775	3292	842347.957	593420.89	64.6407
788	842908.125	594430.36	66.8773	3293	842345.707	593423.93	63.4802
789	842918.757	594447.3	66.6771	3294	842345.903	593429.8	63.4395
790	842922.214	594468.74	69.6325	3295	842341.892	593429.02	63.4778
791	842931.109	594486.77	70.4574	3296	842341.794	593420.21	63.5371
792	842941.028	594504.16	70.6778	3297	842353.95	593414.6	69.0803
793	842951.223	594521.37	70.7356	3298	842353.646	593406.85	70.6752
794	842961.86	594538.31	70.5322	3299	842350.226	593408.89	69.1039
795	842972.482	594555.26	70.3378	3300	842351.34	593411.16	68.9859
796	842983.015	594572.26	70.1957	3301	842356.843	593409.93	70.983
797	842470.062	593713.56	70.2858	3302	842309.587	593442.84	69.9328
798	842480.694	593730.5	70.0856	3303	842312.157	593446.85	70.8998
799	842491.325	593747.44	69.8854	3304	842359.525	593425.49	68.5801
800	842501.957	593764.38	69.6852	3305	842361.095	593423.98	69.3434
801	842512.589	593781.32	69.485	3306	842362.215	593419.44	70.7355
802	842523.221	593798.26	69.2848	3307	842360.169	593415.44	70.8971
803	842533.852	593815.2	69.0846	3308	842340.676	593469.88	65.2501
804	842544.484	593832.14	68.8844	3309	842350.086	593465.17	63.1701
805	842555.116	593849.08	68.6842	3310	842354.29	593459.46	63.1733
806	842565.748	593866.02	68.484	3311	842359.095	593455.55	63.1597
807	842576.379	593882.96	68.2838	3312	842362.499	593452.94	63.1489
808	842587.011	593899.9	68.0836	3313	842365.334	593450.53	63.779
809	842597.643	593916.84	67.8834	3314	842368.438	593447.02	66.0386
810	842608.275	593933.78	67.6832	3315	842370.239	593444.12	68.1293
811	842618.906	593950.72	67.483	3316	842371.941	593441.31	69.1346

Handwritten signature or initials in blue ink.

Handwritten text or signature in blue ink, possibly a date or reference number.

P	N	E	Z	P	N	E	Z
812	842629.538	593967.66	67.2828	3317	842372.873	593435.01	70.8257
813	842640.17	593984.6	67.0826	3318	842371.102	593436.86	69.7674
814	842650.802	594001.54	66.8824	3319	842367.441	593443.15	66.6844
815	842661.433	594018.48	66.6822	3320	842363.661	593446.62	64.152
816	842672.065	594035.42	66.482	3321	842361.849	593449.02	63.1804
817	842703.96	594086.24	65.8814	3322	842357.975	593452.54	63.1889
818	842714.592	594103.18	65.6811	3323	842354.982	593454.55	63.2003
819	842725.224	594120.12	65.481	3324	842350.398	593457.12	63.221
820	842735.856	594137.06	65.2807	3325	842345.672	593459.64	63.2432
821	842746.487	594154	65.0805	3326	842342.522	593462.16	63.2524
822	842757.119	594170.94	64.8803	3327	842323.379	593466.04	70.9212
823	842767.751	594187.88	64.6802	3328	842319.334	593459.05	70.8977
824	842778.383	594204.82	64.4799	3329	842320.449	593460.54	70.8141
825	842789.014	594221.76	64.2797	3330	842325.983	593459.43	69.1808
826	842799.646	594238.7	64.0795	3331	842324.125	593455.98	69.1714
827	842810.278	594255.64	63.8793	3332	842323.46	593451.31	68.8523
828	842820.91	594272.58	63.6791	3333	842325.718	593446.91	65.7538
829	842831.541	594289.53	63.4803	3334	842322.7	593442.5	65.9131
830	842843.867	594305.4	63.3587	3335	842318.832	593436.91	66.1346
831	842842.641	594329.78	67.9986	3336	842319.402	593443.32	68.7894
832	842853.273	594346.72	67.7983	3337	842326.288	593470.06	70.7305
833	842863.904	594363.66	67.5981	3338	842332.129	593465.65	68.7354
834	842874.536	594380.6	67.3979	3339	842335.82	593469.34	68.4641
835	842885.168	594397.54	67.1977	3340	842332.892	593476.21	69.7379
836	842895.8	594414.48	66.9975	3341	842339.839	593475.04	68.3227
837	842906.431	594431.42	66.7973	3342	842346.972	593469.74	63.1654
838	842917.063	594448.36	66.5971	3343	842353.841	593465.26	63.1385
839	842927.695	594465.3	66.3969	3344	842358.306	593461.23	63.1284
840	842938.326	594482.24	66.1967	3345	842360.538	593458.55	63.1278
841	842948.958	594499.18	65.9965	3346	842363.237	593457.01	63.1159
842	842959.59	594516.12	65.7963	3347	842368.914	593451.33	65.0572
843	842970.222	594533.06	65.5961	3348	842372.358	593447.18	68.1332
844	842980.853	594550	65.3959	3349	842376.56	593440.11	70.9064
845	842981.321	594573.32	70.1157	3350	842333.459	593481.14	70.5028
846	842480.226	593707.18	65.3658	3351	842336.393	593479.78	69.3494
847	842490.858	593724.12	65.1656	3352	842347.102	593476.27	67.2328
848	842501.49	593741.06	64.9654	3353	842357.068	593470.49	63.0771
849	842512.121	593758	64.7652	3354	842365.198	593465.24	63.045
850	842522.753	593774.94	64.565	3355	842370.181	593458.94	63.498
851	842533.385	593791.88	64.3648	3356	842375.72	593451.73	68.1956
852	842544.017	593808.82	64.1646	3357	842378.083	593448.96	69.4444
853	842554.648	593825.76	63.9644	3358	842380.47	593445.76	70.952
854	842565.28	593842.7	63.764	3359	842351.534	593474.03	63.0993
855	842575.912	593859.64	63.564	3360	842340.008	593483.59	69.0809
856	842586.543	593876.58	63.3638	3361	842342.807	593477.99	66.4226

[Handwritten signature]

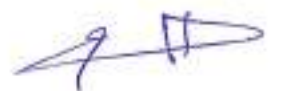
[Faint official stamp]

P	N	E	Z	P	N	E	Z
857	842597.175	593893.52	63.1636	3362	842334.518	593483.63	70.6417
858	842607.807	593910.46	62.9634	3363	842335.925	593486.41	70.7219
859	842618.439	593927.4	62.7632	3364	842337.585	593489.37	70.7498
860	842629.07	593944.34	62.563	3365	842340.634	593487.57	69.4195
861	842639.702	593961.28	62.3628	3366	842342.885	593486.29	68.8532
862	842650.334	593978.22	62.1626	3367	842347.028	593481.05	65.3993
863	842660.966	593995.16	61.9624	3368	842349.373	593479.89	64.0969
864	842671.597	594012.1	61.7622	3369	842352.935	593475.92	63.0752
865	842682.229	594029.04	61.562	3370	842357.902	593473.74	63.0487
866	842714.124	594079.86	60.9614	3371	842360.604	593470.79	63.046
867	842724.756	594096.8	60.7612	3372	842359.956	593467.13	63.0756
868	842735.388	594113.74	60.5609	3373	842364.467	593461.76	63.0741
869	842746.02	594130.68	60.3608	3374	842367.209	593459.34	63.0676
870	842756.651	594147.62	60.1605	3375	842367.987	593456.35	63.2917
871	842767.283	594164.56	59.9603	3376	842370.485	593454.59	64.8193
872	842777.915	594181.5	59.7601	3377	842365.858	593455.08	63.107
873	842788.547	594198.44	59.5599	3378	842372.902	593451.16	66.7714
874	842799.178	594215.38	59.3598	3379	842374.849	593447.99	68.677
875	842809.81	594232.32	59.1595	3380	842366.847	593464.91	63.0336
876	842820.442	594249.26	58.9594	3381	842369.155	593461.73	63.0357
877	842831.074	594266.2	58.7591	3382	842374.606	593458.51	65.4677
878	842841.705	594283.14	58.5589	3383	842371.927	593460.78	63.7251
879	842852.337	594300.08	58.3587	3384	842380.45	593451.3	69.7185
880	842862.969	594317.02	58.1585	3385	842375.871	593455.41	67.8236
881	842873.601	594333.96	57.9583	3386	842361.09	593463.34	63.0915
882	842884.232	594350.9	57.7581	3387	842362.748	593467.59	63.0496
883	842894.864	594367.84	57.5579	3388	842355.772	593475.84	63.0523
884	842905.496	594384.78	57.3577	3389	842353.566	593479.59	63.0455
885	842916.128	594401.72	57.1575	3390	842351.386	593480.84	63.477
886	842926.759	594418.66	56.9573	3391	842349.178	593483.21	65.0359
887	842937.391	594435.6	56.7571	3392	842347.177	593484.17	66.1405
888	842948.023	594452.54	56.5569	3393	842338.873	593491.91	70.8212
889	842958.655	594469.48	56.3567	3394	842340.767	593494.83	70.7604
890	842969.286	594486.42	56.1565	3395	842342.705	593493.81	69.8764
891	842979.918	594503.36	55.9563	3396	842346.352	593491.4	68.7485
892	842990.55	594520.3	55.7561	3397	842349.677	593488.43	67.9253
893	843001.182	594537.24	55.5559	3398	842355.373	593483.84	63.0024
894	843011.813	594554.18	55.3557	3399	842358.111	593481.13	62.9978
895	842522.476	593680.66	66.2768	3400	842359.342	593479.96	62.9955
896	842533.108	593697.6	66.0766	3401	842361.673	593477.2	62.9946
897	842543.74	593714.54	65.8764	3402	842364.856	593474.52	62.9862
898	842554.372	593731.48	65.6762	3403	842366.663	593472.56	62.9843
899	842565.003	593748.42	65.476	3404	842367.972	593470.51	62.9871
900	842575.635	593765.36	65.2758	3405	842359.99	593476.89	63.0106
901	842586.267	593782.3	65.0756	3406	842363.808	593473.8	62.9996

Handwritten signature/initials in blue ink.



P	N	E	Z	P	N	E	Z
902	842596.898	593799.24	64.8754	3407	842369.593	593468.63	62.9863
903	842607.53	593816.18	64.6752	3408	842374.214	593465.54	63.3743
904	842618.162	593833.12	64.475	3409	842375.755	593464.14	64.4048
905	842628.794	593850.06	64.2748	3410	842382.746	593454.6	69.7759
906	842639.425	593867	64.0746	3411	842383.987	593451.11	70.9441
907	842650.057	593883.94	62.8908	3412	842378.704	593457.62	68.0164
908	842660.689	593900.88	63.6742	3413	842373.981	593462.68	64.0626
909	842671.321	593917.82	62.4904	3414	842370.619	593464.78	63.0033
910	842681.952	593934.76	62.2902	3415	842365.359	593468.75	63.0203
911	842692.584	593951.7	62.09	3416	842372.34	593468.43	62.9649
912	842703.216	593968.64	61.8898	3417	842386.342	593454.5	70.9727
913	842713.848	593985.58	62.6732	3418	842383.22	593457.79	69.2211
914	842724.479	594002.52	62.473	3419	842378.252	593464.97	65.221
915	842756.375	594053.35	61.8724	3420	842376.477	593467.25	63.8524
916	842767.006	594070.29	60.6886	3421	842373.297	593471.32	62.9378
917	842777.638	594087.23	61.4719	3422	842369.663	593475.38	62.9408
918	842788.27	594104.17	61.2718	3423	842365.89	593479.24	62.9463
919	842798.902	594121.11	61.0716	3424	842361.622	593482.58	62.9593
920	842809.533	594138.05	60.8713	3425	842358.773	593485.04	62.9665
921	842820.165	594154.99	60.6711	3426	842354.764	593488.89	67.125
922	842830.797	594171.93	60.4709	3427	842351.335	593491.09	67.8955
923	842841.429	594188.87	60.2708	3428	842349.684	593492.54	68.3015
924	842852.06	594205.81	60.0705	3429	842347.779	593494.27	68.7767
925	842862.692	594222.75	59.8703	3430	842346.254	593495.93	69.2062
926	842873.324	594239.69	59.6701	3431	842341.922	593497.15	70.8327
927	842883.956	594256.63	59.4699	3432	842343.328	593499.14	70.7501
928	842894.587	594273.57	59.2697	3433	842360.726	593489.68	62.9195
929	842905.219	594290.51	59.0696	3434	842365.451	593485.29	62.9097
930	842915.851	594307.45	58.8693	3435	842373.769	593478.01	62.8895
931	842926.483	594324.39	58.6691	3436	842377.398	593474.65	62.8819
932	842937.114	594341.33	58.4689	3437	842379.247	593472.12	63.6762
933	842947.746	594358.27	58.2687	3438	842382.603	593467.32	67.6177
934	842958.378	594375.21	58.0685	3439	842384.383	593465.4	68.0693
935	842969.01	594392.15	57.8683	3440	842386.304	593461.84	69.3348
936	842979.641	594409.09	57.6681	3441	842387.46	593456.32	70.9484
937	842990.273	594426.03	57.4679	3442	842382.014	593463.54	67.9093
938	843000.905	594442.97	57.2677	3443	842378.582	593468.42	64.4132
939	843011.537	594459.91	57.0675	3444	842376.592	593470.82	62.9212
940	843022.168	594476.85	56.8673	3445	842375.335	593473.44	62.9069
941	843032.8	594493.79	56.6671	3446	842371.629	593476.05	62.9201
942	843043.432	594510.73	56.4669	3447	842369.775	593478.87	62.9167
943	843054.064	594527.67	56.2667	3448	842366.687	593481.21	62.9267
944	842533	593674.06	71.3061	3449	842363.856	593483.9	62.9321
945	842544.4	593690.52	71.5585	3450	842361.316	593486.71	62.9344
946	842555.43	593707.21	71.5936	3451	842359.326	593488.36	62.9398

JKH


Handwritten notes and stamps in the bottom right corner, including a date stamp "2019-10-20" and some illegible text.

P	N	E	Z	P	N	E	Z
947	842565.74	593724.35	71.2123	3452	842357.404	593489.05	66.7024
948	842576.87	593740.97	71.3023	3453	842352.367	593495.38	68.1185
949	842587.55	593757.89	71.1114	3454	842344.515	593501.67	70.8555
950	842598.25	593774.78	70.9666	3455	842345.881	593500.37	70.1118
951	842609.01	593791.64	70.8409	3456	842358.068	593494.4	64.1022
952	842619.28	593808.81	70.4265	3457	842362.433	593491.15	62.8957
953	842628.72	593826.5	69.5197	3458	842364.677	593488.36	62.8957
954	842636.95	593844.95	68.9862	3459	842367.583	593485.89	62.8881
955	842647.36	593862.03	68.6564	3460	842371.45	593482.54	62.8785
956	842660.58	593877.34	68.905	3461	842383.674	593470.61	67.4453
957	842671.74	593893.95	69.0132	3462	842385.823	593467.71	68.0487
958	842682.79	593910.63	69.0579	3463	842388.176	593464.71	69.3241
959	842693.68	593927.41	69.011	3464	842389.904	593460.45	70.8713
960	842704.48	593944.24	68.9117	3465	842391.848	593462.74	70.9837
961	842715.05	593961.22	68.675	3466	842382.717	593474.4	64.5
962	842726.34	593977.74	68.8601	3467	842380.676	593476.37	63.108
963	842737.27	593994.5	68.8423	3468	842373.896	593483.12	62.8545
964	842770.7	594044.35	69.1442	3469	842353.286	593500.05	68.3957
965	842781.5	594061.19	69.0465	3470	842350.15	593501.09	69.0112
966	842792.58	594077.85	69.1087	3471	842347.858	593501.68	69.6931
967	842803.74	594094.46	69.2204	3472	842130.044	593144.55	71.5991
968	842814.58	594111.26	69.1457	3473	842393.154	593464.86	70.9582
969	842825.29	594128.15	68.9895	3474	842388.563	593469.79	68.4354
970	842836.58	594144.68	69.1777	3475	842386.578	593472.3	66.6917
971	842847.59	594161.39	69.1989	3476	842380.045	593479.93	62.825
972	842858.77	594177.98	69.3171	3477	842368.215	593490.21	62.8542
973	842870	594194.54	69.4806	3478	842364.526	593494.47	62.8563
974	842880.9	594211.32	69.4328	3479	842366.017	593492.24	62.8589
975	842891.65	594228.18	69.3042	3480	842371.642	593489.12	62.8333
976	842902.13	594245.22	69.0161	3481	842362.502	593495.5	62.8662
977	842913.01	594262	68.9638	3482	842359.625	593497.67	64.2762
978	842925.92	594277.52	69.0207	3483	842132.803	593150.52	71.6681
979	842936.96	594294.2	69.0615	3484	842374.7	593487.36	62.8197
980	842948.51	594310.56	69.4118	3485	842378.904	593482.81	62.8153
981	842960.33	594326.75	69.9119	3486	842382.995	593479.13	63.3194
982	842971.83	594343.15	70.2205	3487	842385.201	593477.28	64.7492
983	842983.17	594359.64	70.4424	3488	842387.364	593474.62	66.3829
984	842994.39	594376.22	70.5877	3489	842389.681	593471.48	68.4328
985	843005.46	594392.88	70.6384	3490	842394.029	593465.87	71.0121
986	843016.53	594409.55	70.702	3491	842354.892	593503.88	68.4821
987	843027.2	594426.47	70.528	3492	842363.677	593498.63	62.8357
988	843038.36	594443.07	70.6448	3493	842366.865	593497.07	62.8198
989	843049.26	594459.84	70.6011	3494	842375.526	593492.59	62.7781
990	843060.3	594476.53	70.6394	3495	842378.573	593488.41	62.7808
991	843070.89	594493.49	70.411	3496	842381.831	593483.52	62.7864

Handwritten signature or initials in blue ink.

Faint, illegible text or stamp in the bottom right corner.

P	N	E	Z	P	N	E	Z
992	842469.51	593713.91	70.5049	3497	842385.266	593482.51	63.3425
993	842478.93	593731.61	71.022	3498	842391.855	593474.14	68.5505
994	842489.72	593748.44	70.7317	3499	842393.838	593471.31	69.8382
995	842500.35	593765.39	70.5395	3500	842395.623	593468.33	71.0025
996	842510.31	593782.75	70.7215	3501	842389.182	593477.63	66.3175
997	842520.29	593800.1	70.9117	3502	842387.398	593480.5	64.7869
998	842530.96	593817.02	70.686	3503	842383.829	593484.56	62.763
999	842541.66	593833.91	70.4367	3504	842381.196	593487.27	62.7667
1000	842552.68	593850.61	70.0153	3505	842379.133	593490.19	62.7644
1001	842563.82	593867.23	69.5079	3506	842373.193	593492.89	62.7954
1002	842574.85	593883.92	69.0842	3507	842370.952	593494.73	62.8017
1003	842585.6	593900.78	68.8059	3508	842368.324	593495.49	62.8183
1004	842596.6	593917.49	68.3894	3509	842365.26	593499.71	62.8155
1005	842607.24	593934.43	68.1853	3510	842362.527	593502.1	64.1709
1006	842617.46	593951.63	68.2314	3511	842352.051	593508.26	69.5788
1007	842628.15	593968.53	67.9962	3512	842349.552	593509.86	70.778
1008	842638.51	593985.64	67.9586	3513	842348.029	593507.85	70.8968
1009	842649.04	594002.65	67.8225	3514	842347.324	593506.54	70.874
1010	842659.34	594019.8	67.8113	3515	842353.436	593505.41	68.8648
1011	842669.47	594037.05	67.9101	3516	842356.667	593504.83	68.276
1012	842699.4	594089.1	68.4646	3517	842371.823	593496.77	62.7809
1013	842709.76	594106.21	68.4286	3518	842386.517	593489.76	62.7063
1014	842719.82	594123.51	68.5654	3519	842389.643	593486.19	64.1651
1015	842730.2	594140.61	68.5068	3520	842393.087	593484.23	66.1411
1016	842740.51	594157.75	68.5051	3521	842394.58	593482.28	67.301
1017	842751.06	594174.75	68.3589	3522	842396.991	593478.95	69.1235
1018	842761.27	594191.95	68.4032	3523	842398.735	593474.55	70.7344
1019	842771.4	594209.21	68.4974	3524	842398.108	593471.72	71.0668
1020	842781.77	594226.31	68.4552	3525	842395.858	593475.66	69.4898
1021	842792	594243.5	68.4902	3526	842392.037	593479.27	67.0624
1022	842802.37	594260.6	68.4406	3527	842389.441	593483.31	64.8682
1023	842812.94	594277.59	68.2799	3528	842386.917	593485.98	63.0804
1024	842821.16	594296.04	68.5279	3529	842383.528	593490.75	62.7244
1025	842831.14	594313.39	68.6074	3530	842381.833	593493.72	62.7186
1026	842841.4	594330.56	68.6298	3531	842379.093	593495.81	62.7273
1027	842851.79	594347.65	68.5662	3532	842375.487	593500.22	62.7278
1028	842862.23	594364.71	68.4828	3533	842373.54	593502.17	62.7309
1029	842871.73	594382.37	68.9503	3534	842370.482	593504.63	62.7397
1030	842881.89	594399.6	69.0279	3535	842367.741	593507.23	63.2557
1031	842911.84	594451.64	69.5765	3536	842363.631	593510.19	65.7797
1032	842922.03	594468.86	69.6356	3537	842360.963	593513.08	68.3233
1033	842930.94	594486.88	70.4604	3538	842353.157	593515.1	70.5938
1034	842940.84	594504.27	70.6807	3539	842355.107	593513.85	69.6602
1035	842949.06	594522.73	70.9322	3540	842357.604	593512.02	68.7817
1036	842959.87	594539.56	70.6273	3541	842359.214	593510.41	68.3669

Handwritten signature and initials in blue ink.

Official stamp of the Ministry of Natural Resources and Environmental Conservation, Republic of Turkey, dated 15.05.2023.

P	N	E	Z	P	N	E	Z
1037	842988.336	594564.35	65.8802	3542	842360.223	593508.9	68.0615
1038	843000.325	594548.93	58.9298	3543	842364.157	593505.23	64.2776
1039	843014.979	594543.98	52.4519	3544	842367.611	593502.78	62.7757
1040	843019.927	594542.45	51.0664	3545	842370.608	593500.09	62.7689
1041	843006.034	594531.79	53.1515	3546	842350.643	593511.98	70.8317
1042	842998.232	594522.84	54.1941	3547	842351.643	593513.48	70.7909
1043	842978.249	594541.88	65.5031	3548	842353.348	593511.1	69.7098
1044	842951.223	594521.37	70.7356	3549	842355.251	593509.82	68.9695
1045	842964.928	594522.84	65.749	3550	842359.04	593514.4	68.763
1046	842980.533	594518.27	59.5273	3551	842355.955	593515.69	69.7419
1047	842988.717	594511.03	55.2362	3552	842353.827	593516.52	70.6529
1048	842997.471	594506.46	50.9145	3553	842354.481	593518.69	70.8681
1049	842994.616	594533.12	57.3107	3554	842357.178	593517.87	69.7622
1050	842987.194	594543.03	61.9617	3555	842361.267	593516.58	68.5953
1051	842982.817	594556.55	66.2379	3556	842364.63	593514.19	67.8181
1052	842958.267	594527.22	69.2189	3557	842366.239	593513.45	67.4841
1053	842946.468	594511.22	70.1624	3558	842369.771	593511.02	63.3586
1054	842957.125	594511.79	65.8547	3559	842372.734	593508.91	62.6927
1055	842960.931	594498.65	61.806	3560	842380.393	593506.1	62.6483
1056	842974.063	594500.18	57.6468	3561	842390.139	593500.23	62.6069
1057	842982.436	594495.99	54.0582	3562	842394.365	593497.64	62.9981
1058	842977.488	594489.13	54.4157	3563	842398.592	593494.7	67.2181
1059	842987.765	594489.13	51.1096	3564	842404.021	593488.35	69.4284
1060	842988.717	594503.6	53.3251	3565	842404.961	593487.76	69.9822
1061	842939.216	594489.88	67.7802	3566	842405.566	593482.07	71.2261
1062	842951.284	594489.3	63.5375	3567	842402.543	593481.19	70.5755
1063	842959.52	594489.3	61.0855	3568	842399.806	593483.96	68.9673
1064	842974.268	594483.74	54.4108	3569	842395.316	593490.13	67.196
1065	842966.798	594475.5	55.4931	3570	842391.71	593491.46	63.5827
1066	842960.349	594468.42	56.4367	3571	842386.115	593495.44	62.6719
1067	842957.03	594473.39	58.0597	3572	842378.476	593500.43	62.7018
1068	842953.582	594483.55	61.1934	3573	842376.044	593504.19	62.6968
1069	842973.503	594465.73	51.3827	3574	842383.268	593500.28	62.6632
1070	842977.908	594476.65	51.2738	3575	842385.258	593503.01	62.6287
1071	842972.736	594478.76	53.7854	3576	842364.445	593421.55	70.9572
1072	842967.948	594471.48	53.9646	3577	842367.025	593425.72	70.9075
1073	842966.798	594475.5	55.4931	3578	842371.006	593431.36	70.9717
1074	842929.162	594476.23	68.5804	3579	842369.411	593428.27	71.0934
1075	842942.734	594463.27	61.4869	3580	842356.531	593520.04	70.4307
1076	842952.605	594463.58	57.4314	3581	842360.86	593521.22	69.2075
1077	842964.326	594450.3	50.5492	3582	842367.891	593517.88	67.6171
1078	842958.774	594461.11	55.2304	3583	842375.28	593513.1	62.6439
1079	842922.684	594434.56	61.7681	3584	842380.726	593510.27	62.6178
1080	842922.684	594455.55	66.5438	3585	842385.277	593508.03	62.5952
1081	842920.525	594462.65	68.7893	3586	842389.38	593505.49	62.5782

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P	N	E	Z	P	N	E	Z
1082	842934.406	594450.92	61.6163	3587	842394.629	593502.8	62.5528
1083	842952.605	594441.66	52.8721	3588	842397.464	593500.85	63.4122
1084	842945.818	594433.64	53.7171	3589	842400.15	593499.21	66.9952
1085	842910.95	594443.87	68.0617	3590	842401.567	593497.94	67.3289
1086	842910.95	594434.49	66.7296	3591	842403.358	593495.4	67.8439
1087	842909.717	594429.06	65.8615	3592	842404.357	593492.64	68.602
1088	842905.157	594421.91	65.9766	3593	842401.814	593490.77	68.2183
1089	842901.829	594412.66	65.023	3594	842397.968	593488.36	67.7604
1090	842915.264	594411.18	59.9614	3595	842401.146	593485.78	69.0043
1091	842925.741	594414.39	57.0554	3596	842403.858	593485.78	70.0622
1092	842933.416	594421.78	55.9836	3597	842405.634	593485.6	70.6215
1093	842944.509	594420.42	51.9228	3598	842408.565	593487.19	71.1211
1094	842937.36	594404.51	52.0874	3599	842407.292	593485.34	71.1076
1095	842929.102	594403.03	53.0095	3600	842402.817	593478.74	71.0819
1096	842924.172	594401.67	54.7742	3601	842401.056	593475.8	71.1317
1097	842919.858	594410.43	57.7977	3602	842356.959	593522.83	69.7861
1098	842922.323	594420.29	59.2794	3603	842358.231	593521.6	70.1593
1099	842931.567	594431.03	58.0768	3604	842358.97	593519.68	69.5086
1100	842937.237	594444.35	59.0729	3605	842359.265	593518.85	69.2697
1101	842890.423	594404.32	67.1462	3606	842362.613	593519.77	68.6652
1102	842898.508	594410.24	65.8249	3607	842365.095	593518.14	68.1046
1103	842902.847	594394.45	60.9822	3608	842366.395	593516.46	67.7343
1104	842883.521	594382.22	65.041	3609	842368.709	593515.77	67.2883
1105	842875.762	594356.22	62.7581	3610	842371.014	593513.76	63.5322
1106	842891.212	594372.75	60.3856	3611	842373.391	593513.08	62.6597
1107	842899.1	594377.68	58.2724	3612	842374.366	593511.15	62.6644
1108	842903.636	594370.38	55.5287	3613	842375.548	593510.12	62.6615
1109	842912.905	594374.72	52.6946	3614	842377.38	593506.51	62.6704
1110	842916.454	594381.82	53.0005	3615	842378.774	593512.46	62.6193
1111	842882.535	594392.09	67.2848	3616	842374.997	593516.24	62.6254
1112	842867.547	594370.77	67.8657	3617	842372.882	593518.82	64.0318
1113	842863.209	594355.18	66.7946	3618	842369.785	593520.55	67.5501
1114	842853.151	594343.74	67.8836	3619	842366.159	593522.37	68.3174
1115	842846.643	594334.26	67.9795	3620	842364.185	593522.72	68.6765
1116	842840.727	594318.48	66.9901	3621	842363.089	593523.31	68.9331
1117	842838.164	594314.13	66.9724	3622	842361.846	593523.73	69.3354
1118	842850.39	594322.42	63.8623	3623	842360.958	593524.05	69.7113
1119	842858.279	594325.78	62.4228	3624	842358.228	593524.46	69.7858
1120	842865.131	594339.28	62.9583	3625	842405.77	593494.01	68.7495
1121	842871.097	594345.31	61.953	3626	842407.433	593491.77	69.9161
1122	842881.154	594352.62	59.519	3627	842409.001	593490.44	70.6627
1123	842892.198	594362.68	57.6353	3628	842409.849	593489.65	71.0295
1124	842901.072	594362.68	54.6477	3629	842406.505	593489.13	70.2304
1125	842906.988	594357.75	52.6485	3630	842405.6	593490.18	69.5877
1126	842893.184	594349.46	54.6281	3631	842359.894	593527.47	69.7391

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9/11

842359.894 593527.47 69.7391

P	N	E	Z	P	N	E	Z
1127	842888.648	594344.13	55.2021	3632	842364.075	593526.47	69.1595
1128	842885.493	594339.99	55.4886	3633	842365.155	593525.41	68.7629
1129	842875.83	594328.54	56.6873	3634	842367.724	593525.31	68.329
1130	842867.153	594321.44	58.1467	3635	842373.041	593522.53	67.1928
1131	842855.912	594305.06	58.3129	3636	842375.245	593520.85	63.5429
1132	842844.649	594279.8	57.5156	3637	842377.946	593518.21	62.588
1133	842856.898	594289.07	54.6498	3638	842381.874	593514.61	62.5795
1134	842866.758	594304.47	54.3823	3639	842384.222	593511.11	62.5834
1135	842888.648	594344.13	55.2021	3640	842389.702	593511.87	62.5332
1136	842897.128	594386.03	61.2676	3641	842391.57	593509.14	62.5359
1137	842822.778	594281.67	65.2154	3642	842393.965	593506.5	62.5337
1138	842813.121	594277.47	68.2768	3643	842398.349	593505.63	62.5033
1139	842800.057	594251.08	67.0887	3644	842400.456	593503.04	66.6575
1140	842807.296	594258.53	65.9005	3645	842402.947	593500.02	67.3228
1141	842813.127	594264.16	64.8497	3646	842404.576	593498.53	67.709
1142	842825.795	594261.75	59.8762	3647	842407.806	593496.71	68.8204
1143	842832.631	594248.06	54.5038	3648	842408.141	593496.47	68.9671
1144	842837.457	594259.33	55.3339	3649	842410.393	593493.88	70.4274
1145	842839.065	594272.21	57.9577	3650	842411.169	593492.59	70.8614
1146	842845.298	594272.21	55.2847	3651	842411.191	593491.6	71.0427
1147	842833.033	594279.65	61.3802	3652	842382.091	593518.48	62.552
1148	842820.91	594272.58	63.6791	3653	842380.172	593520.71	62.553
1149	842821.371	594261.75	61.7731	3654	842372.728	593525.78	67.5432
1150	842810.915	594249.07	62.9949	3655	842369.351	593527.7	68.279
1151	842801.34	594237.64	64.1595	3656	842366.972	593528.54	68.7506
1152	842789.014	594221.76	64.2797	3657	842364.205	593529.25	69.6449
1153	842784.373	594218.28	65.375	3658	842366.68	593531.06	69.1714
1154	842757.631	594182.47	67.627	3659	842377.47	593526.04	63.9238
1155	842767.751	594187.88	64.6802	3660	842380.228	593524.15	62.5297
1156	842778.383	594204.82	64.4799	3661	842382.551	593522.22	62.5234
1157	842781.759	594210.24	64.4251	3662	842384.922	593519.6	62.5212
1158	842777.537	594212.65	66.8571	3663	842387.882	593518.23	62.5059
1159	842789.014	594221.76	64.2797	3664	842389.851	593516.47	62.5014
1160	842792.618	594230.76	65.0499	3665	842391.82	593514.17	62.5005
1161	842800.057	594230.36	62.836	3666	842395.166	593512.52	62.4838
1162	842806.291	594224.12	59.303	3667	842398.104	593510.43	62.4735
1163	842809.91	594217.48	56.3774	3668	842400.224	593508.67	62.4677
1164	842814.936	594219.89	54.8433	3669	842402.182	593507.93	63.4433
1165	842819.974	594225.94	54.2396	3670	842404.815	593504.68	67.1305
1166	842819.159	594229.35	55.4658	3671	842408.377	593503.13	67.8054
1167	842824.387	594243.23	56.7964	3672	842410.468	593500.96	68.7695
1168	842829.012	594232.37	53.7704	3673	842411.862	593499.64	69.6139
1169	842825.795	594233.58	53.8754	3674	842413.333	593498.01	70.4808
1170	842811.719	594239.21	60.1133	3675	842414.865	593497.08	71.0529
1171	842809.708	594239.21	60.9756	3676	842413.02	593494.04	71.099

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P	N	E	Z	P	N	E	Z
1172	842811.719	594244.44	61.4592	3677	842410.381	593496.69	69.8034
1173	842827.001	594239.21	54.6402	3678	842407.028	593499.65	68.0083
1174	842823.985	594228.95	53.3062	3679	842405.079	593501.29	67.5073
1175	842805.486	594215.87	57.8602	3680	842402.896	593503.4	66.9782
1176	842793.824	594197.16	58.0461	3681	842368.682	593530.75	68.67
1177	842777.135	594185.49	61.1199	3682	842363.872	593534	69.6917
1178	842764.266	594175.63	64.1009	3683	842366.589	593535.38	69.869
1179	842771.103	594170.6	59.89	3684	842368.871	593537.82	69.7745
1180	842781.559	594170.6	56.4713	3685	842371.782	593541.44	69.5025
1181	842788.547	594198.44	59.5599	3686	842373.828	593543.89	69.2901
1182	842780.077	594203.76	64.5599	3687	842376.109	593548.45	69.4307
1183	842775.728	594191.72	63.3282	3688	842365.654	593536.64	69.6853
1184	842784.776	594196.35	60.6391	3689	842367.487	593539.89	69.6764
1185	842788.596	594211.84	62.9874	3690	842371.588	593546.1	69.6463
1186	842797.644	594225.53	62.6282	3691	842373.151	593549.54	69.5887
1187	842789.401	594203.6	60.5198	3692	842369.748	593544.45	69.6463
1188	842801.263	594197.56	54.9828	3693	842379.934	593549.02	68.4874
1189	842801.867	594207.42	57.2377	3694	842383.565	593542.96	67.329
1190	842791.21	594206.61	60.5205	3695	842387.398	593539.93	63.2404
1191	842782.363	594183.68	59.492	3696	842394.66	593533.87	62.3461
1192	842786.585	594186.49	58.406	3697	842400.107	593528.22	62.3388
1193	842796.036	594182.47	54.7278	3698	842404.343	593523.78	62.3334
1194	842795.634	594188.3	55.015	3699	842410.395	593519.34	63.7506
1195	842789.802	594182.87	56.0945	3700	842416.245	593514.69	67.7995
1196	842761.449	594191.84	68.4002	3701	842418.161	593513.96	68.4803
1197	842746.497	594160.39	66.7198	3702	842419.583	593511.43	69.6132
1198	842756.859	594158.83	62.9561	3703	842422.534	593508.32	71.1113
1199	842763.594	594152.61	59.5473	3704	842418.505	593508.45	69.9798
1200	842771.883	594147.95	55.1562	3705	842415.492	593510.59	68.3562
1201	842728.364	594131.87	67.1585	3706	842412.638	593512.49	67.4925
1202	842737.172	594145.87	66.9835	3707	842408.04	593514	66.6706
1203	842737.172	594145.87	66.9835	3708	842411.047	593513.1	67.1991
1204	842749.088	594147.95	63.4873	3709	842412.285	593506.65	68.1842
1205	842754.268	594137.58	59.6776	3710	842405.59	593508.88	66.824
1206	842729.4	594113.73	63.1249	3711	842397.677	593514.97	62.4468
1207	842709.194	594077.44	62.4511	3712	842392.2	593519.65	62.4609
1208	842707.903	594093.26	65.9973	3713	842387.127	593526.14	62.4596
1209	842726.45	594095.74	60.8411	3714	842381.649	593531.42	63.5164
1210	842733.29	594073.04	55.703	3715	842374.751	593542.39	68.7607
1211	842732.772	594101.56	59.6277	3716	842379.621	593540.56	66.738
1212	842722.262	594106.72	64.3837	3717	842384.896	593534.88	63.0127
1213	842713.077	594073.9	60.9558	3718	842387.939	593532.44	62.4111
1214	842717.014	594066.02	57.2639	3719	842393.62	593528.58	62.3899
1215	842700.284	594070.94	64.6237	3720	842396.257	593525.53	62.3884
1216	842698.316	594077.51	66.0549	3721	842399.503	593520.66	62.394



P	N	E	Z	P	N	E	Z
1217	842682.503	594044.32	65.3755	3722	842402.141	593517.61	62.3925
1218	842692.672	594033.49	60.3073	3723	842405.996	593515.99	62.8289
1219	842684.143	594037.1	62.8136	3724	842405.387	593519.65	62.3522
1220	842675.615	594043.01	66.9115	3725	842402.75	593512.54	62.4212
1221	842663.127	594017.42	66.7621	3726	842401.938	593511.32	62.436
1222	842668.726	594022.33	65.6242	3727	842389.156	593522.29	62.4685
1223	842675.942	594018.71	61.6896	3728	842374.143	593533.86	67.3625
1224	842683.487	594016.74	58.9383	3729	842369.12	593533.43	68.8827
1225	842690.048	594013.13	56.7266	3730	842373.948	593530.34	66.5394
1226	842646.699	593989.13	66.5292	3731	842378.875	593529.29	64.1571
1227	842646.699	593989.13	66.5292	3732	842383.007	593527.75	62.4829
1228	842660.804	593980.27	59.2798	3733	842386.142	593530.34	62.4398
1229	842656.212	593987.16	62.0645	3734	842371.459	593538.06	68.9738
1230	842662.66	593994.1	62.0424	3735	842373.151	593539.56	68.7503
1231	842670.973	593998.32	59.5651	3736	842375.391	593539.9	67.3471
1232	842663.428	594008.5	64.3386	3737	842376.785	593536.12	66.81
1233	842652.276	594007.52	67.7877	3738	842383.803	593539.01	64.544
1234	842658.508	593999.64	64.1682	3739	842388.502	593496.25	62.6468
1235	842632.266	593961.23	65.5388	3740	842391.687	593494.34	62.7841
1236	842639.81	593976	66.1044	3741	842416.993	593500.58	71.0027
1237	842647.683	593967.14	61.5278	3742	842419.376	593503.86	71.0581
1238	842654.9	593961.89	57.3034	3743	842414.337	593503.72	69.5301
1239	842618.488	593943.83	66.9701	3744	842414.497	593501.32	70.2065
1240	842626.033	593954.01	66.3531	3745	842416.897	593505.65	70.0742
1241	842638.17	593944.82	59.8638	3746	842415.217	593508.45	68.697
1242	842634.89	593940.22	60.0876	3747	842412.177	593508.77	67.7969
1243	842620.133	593926.34	62.8432	3748	842409.377	593509.41	67.3241
1244	842630.626	593934.31	60.3958	3749	842408.497	593507.41	67.3955
1245	842630.626	593928.41	59.8756	3750	842409.217	593504.85	67.7565
1246	842618.16	593936.28	65.1683	3751	842411.057	593503.64	68.4135
1247	842607.707	593919.84	65.4209	3752	842412.177	593504.76	68.5239
1248	842618.05	593904.16	58.0413	3753	842414.577	593505.57	69.1259
1249	842622.993	593918.85	59.689	3754	842396.75	593519.7	62.423
1250	842617.676	593918.85	61.9691	3755	842393.93	593523.42	62.4216
1251	842605.381	593903.88	63.0897	3756	842390.598	593527.02	62.4252
1252	842595.412	593898.56	65.2171	3757	842390.598	593531.64	62.3945
1253	842596.409	593909.54	67.613	3758	842390.598	593536.9	62.3595
1254	842585.442	593890.25	67.3528	3759	842388.547	593538.44	62.3662
1255	842593.085	593883.6	63.3419	3760	842385.727	593542.41	66.9207
1256	842607.707	593879.94	58.2904	3761	842382.779	593544.34	67.5858
1257	842613.356	593891.25	58.1687	3762	842377.652	593545.49	67.806
1258	842574.809	593864.31	65.2385	3763	842413.16	593516.2	67.1986
1259	842572.15	593873.29	68.4506	3764	842410.465	593517.35	66.6898
1260	842579.129	593869.3	64.6694	3765	842409.054	593518.9	63.3108
1261	842583.449	593867.64	63.4691	3766	842406.617	593523.65	62.3155

Handwritten signature/initials in blue ink.

Handwritten text in blue ink, possibly a date or reference number.

P	N	E	Z	P	N	E	Z
1262	842587.104	593862.65	61.6183	3767	842405.334	593525.19	62.3158
1263	842593.085	593862.65	59.2089	3768	842403.281	593528.01	62.314
1264	842552.68	593850.61	70.0153	3769	842401.228	593529.81	62.319
1265	842563.178	593858.99	68.6197	3770	842399.56	593532.64	62.3139
1266	842571.153	593853.01	63.897	3771	842396.481	593536.23	62.3154
1267	842582.452	593845.36	58.2881	3772	842393.018	593539.57	62.3218
1268	842564.84	593847.02	65.0639	3773	842390.425	593539.97	62.3405
1269	842556.865	593830.39	64.2057	3774	842388.244	593542.67	66.5274
1270	842573.147	593830.06	59.3003	3775	842385.678	593545.62	67.2239
1271	842556.81	593848.02	68.7642	3776	842383.882	593547.42	67.6867
1272	842548.889	593835.05	68.8238	3777	842382.085	593549.09	68.1376
1273	842555.203	593839.7	67.3143	3778	842380.289	593551.27	68.6508
1274	842565.837	593833.05	63.1227	3779	842377	593549.48	69.3312
1275	842561.185	593836.05	63.8451	3780	842377.945	593551.09	69.3313
1276	842837.126	594293.67	63.2323	3781	842378.857	593551.88	69.1747
1277	842541.398	593824.22	69.0318	3782	842374.414	593551.93	69.5115
1278	842552.881	593812.73	62.4492	3783	842375.601	593553.2	69.4603
1279	842561.324	593812.05	59.8111	3784	842376.495	593552.24	70.0706
1280	842546.801	593820.84	66.0633	3785	842377.46	593552.82	69.8539
1281	842546.801	593820.84	66.0633	3786	842377.806	593553.25	69.822
1282	842525.525	593789.41	67.0998	3787	842377.566	593554.79	69.4127
1283	842533.63	593805.29	67.7112	3788	842379.438	593554.19	69.4454
1284	842514.717	593787.72	70.2194	3789	842380.854	593552.67	68.716
1285	842512.691	593770.82	67.8201	3790	842382.675	593551.05	68.2201
1286	842530.928	593755.95	60.4115	3791	842385.98	593548.81	67.4675
1287	842516.744	593767.1	65.1256	3792	842388.762	593546.03	64.2238
1288	842524.174	593757.98	61.6715	3793	842390.432	593544.71	63.169
1289	842497.478	593755.59	69.8187	3794	842394.803	593542.02	62.2908
1290	842514.843	593739.7	59.9845	3795	842397.889	593539.28	62.2836
1291	842511.455	593745.42	62.8937	3796	842400.823	593536.7	62.2765
1292	842501.49	593741.06	64.9654	3797	842403.609	593534.04	62.2712
1293	842503.651	593763.32	69.7652	3798	842405.066	593532.24	62.2712
1294	842506.584	593747.11	64.9308	3799	842408.486	593528.37	62.2687
1295	842500.867	593747.33	66.8447	3800	842410.931	593527.15	62.2566
1296	842486.466	593736.94	70.0588	3801	842418.954	593520.54	67.6108
1297	842497.69	593730.37	64.9246	3802	842421.801	593516.92	69.0374
1298	842508.702	593725.08	60.1225	3803	842422.707	593512.9	70.3491
1299	842473.549	593721.47	70.6855	3804	842424.192	593510.96	71.0875
1300	842490.278	593712.15	63.4137	3805	842415.791	593519.8	67.2236
1301	842497.902	593707.06	60.3327	3806	842411.237	593522.89	63.1283
1302	842477.149	593697.53	65.2812	3807	842413.189	593525.82	63.1407
1303	842480.326	593698.37	64.137	3808	842417.418	593523.38	67.1035
1304	842475.667	593709.82	67.9993	3809	842418.068	593516.62	67.9278
1305	842475.667	593709.82	67.9993	3810	842379.934	593559.44	69.3424
1306	842480.537	593715.96	67.4922	3811	842381.81	593559.25	69.6555

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P	N	E	Z	P	N	E	Z
1307	842480.537	593715.96	67.4922	3812	842383.298	593558.44	69.1837
1308	842487.949	593696.47	61.4861	3813	842384.753	593557.27	68.7524
1309	842493.667	593696.47	61.1154	3814	842386.542	593557.14	68.3755
1310	843057.013	594522.96	57.8064	3815	842388.871	593554.48	67.5803
1311	843056.73	594514.16	60.103	3816	842390.585	593553.22	65.2932
1312	843061.094	594513.06	61.1498	3817	842393.701	593551.11	63.4142
1313	843072.99	594505.68	67.1386	3818	842395.124	593549.69	62.4373
1314	843080.035	594509.33	69.9961	3819	842397.938	593547.16	62.2308
1315	843066.566	594514.96	62.9159	3820	842402.009	593545.17	62.2105
1316	843072.277	594511.15	65.2732	3821	842403.275	593544.33	62.2056
1317	843044.438	594499.72	59.9053	3822	842406.863	593540.95	62.1985
1318	843053.956	594501.63	62.283	3823	842410.872	593539.05	62.1781
1319	843048.76	594509.81	58.9454	3824	842414.671	593535.67	62.1692
1320	843048.959	594505.91	60.0982	3825	842418.469	593533.77	63.1695
1321	843048.76	594509.81	58.9454	3826	842421.001	593531.23	64.9237
1322	843062.045	594495.2	66.3494	3827	842424.378	593527.64	67.993
1323	843069.184	594496.39	69.0078	3828	842427.121	593521.51	69.7668
1324	843067.042	594501.39	65.7755	3829	842428.19	593523.95	69.5892
1325	843065.139	594501.39	65.2972	3830	842426.453	593515.46	69.2609
1326	843064.662	594491.87	68.3581	3831	842428.958	593519.11	69.2015
1327	843069.457	594492.36	70.2281	3832	842426.707	593518.96	69.781
1328	843045.338	594487.56	62.5394	3833	842422.061	593523.21	68.1494
1329	843033.917	594476.13	61.7975	3834	842418.876	593526.93	65.2144
1330	843026.303	594455.89	63.2647	3835	842412.902	593534.5	62.1915
1331	843018.214	594445.17	62.8206	3836	842413.699	593531.05	62.2079
1332	843013.931	594437.55	63.1193	3837	842418.743	593528.13	64.8309
1333	843004.889	594428.98	62.3328	3838	842420.469	593528.92	65.3339
1334	843006.792	594447.08	58.6022	3839	842423.521	593523.74	68.3905
1335	843022.972	594466.36	60.0785	3840	842421.929	593517.89	68.9185
1336	843032.728	594481.6	59.9785	3841	842421.398	593520.29	68.4426
1337	843041.769	594491.84	60.9514	3842	842423.883	593516.3	69.839
1338	843047.838	594461.2	69.7328	3843	842423.987	593520.26	69.0257
1339	843046.528	594472.79	66.6606	3844	842408.928	593534.45	62.2246
1340	843046.528	594472.79	66.6606	3845	842406.665	593537.78	62.2212
1341	843036.535	594461.36	66.0413	3846	842403.203	593539.52	62.2382
1342	843036.059	594470.65	63.2956	3847	842400.541	593541.25	62.2486
1343	843043.911	594476.6	64.9465	3848	842394.418	593545.78	62.269
1344	843048.908	594487.32	64.0973	3849	842391.774	593546.9	63.1577
1345	843053.944	594477.32	67.8643	3850	842390.023	593549.91	64.681
1346	843060.368	594489.7	67.1549	3851	842387.023	593552.24	67.6777
1347	843062.271	594484.47	69.3877	3852	842384.857	593554.33	68.3702
1348	843053.944	594472.08	69.3013	3853	842382.015	593555.33	69.0663
1349	843020.127	594433.96	66.6977	3854	842380.645	593555.97	69.404
1350	843007.754	594421.57	64.9197	3855	842379.868	593556.56	69.7812
1351	842994.906	594404.67	64.1831	3856	842378.862	593558.17	69.363

Handwritten signature

Faint official stamp or seal

P	N	E	Z	P	N	E	Z
1352	842985.15	594389.19	64.3487	3857	842384.385	593552.44	68.2338
1353	842968.97	594363	64.7661	3858	842383.098	593561.03	69.5723
1354	842964.212	594352.29	65.7149	3859	842384.475	593560.35	69.1591
1355	842958.264	594345.14	65.1865	3860	842387.173	593559.29	68.512
1356	842985.15	594389.19	64.3487	3861	842389.36	593558.38	67.9601
1357	842994.906	594404.67	64.1831	3862	842391.37	593557.01	67.3861
1358	843002.282	594418	63.6106	3863	842393.433	593555.74	64.7193
1359	843001.568	594421.57	62.3682	3864	842395.231	593553.94	63.4848
1360	842984.969	594408.17	60.1466	3865	842397.101	593553.4	62.5453
1361	842981.105	594390.86	62.7777	3866	842399.746	593551.71	62.1857
1362	842967.067	594380.62	60.2175	3867	842402.232	593549.96	62.1768
1363	842986.578	594369.91	69.1551	3868	842404.507	593547.89	62.1718
1364	842996.809	594381.33	70.2994	3869	842407.012	593546.83	62.1582
1365	843003.471	594395.62	69.1668	3870	842408.863	593545.4	62.1524
1366	843009.896	594405.86	69.0454	3871	842411.349	593543.86	62.1421
1367	843013.941	594418	67.4062	3872	842413.465	593541.38	62.1412
1368	843017.51	594418	68.8985	3873	842415.284	593540.43	62.1325
1369	843028.931	594441.1	67.3402	3874	842417.403	593538.51	62.1278
1370	843035.831	594441.1	70.2258	3875	842418.96	593537.05	62.4731
1371	843041.304	594453.72	69.0528	3876	842420.649	593535.46	66.1385
1372	843025.362	594448.72	64.8379	3877	842422.053	593534.63	64.432
1373	843017.51	594451.1	61.981	3878	842425.365	593531.25	67.6683
1374	843007.278	594452.53	57.3109	3879	842426.59	593529.72	68.1666
1375	842995.345	594412.73	62.4991	3880	842428.125	593528.72	68.6542
1376	842993.428	594421.65	59.9874	3881	842430.046	593527.16	69.4998
1377	842984.969	594408.17	60.1466	3882	842431.394	593522.35	69.2513
1378	842974.338	594399.16	58.1722	3883	842328.493	593473.7	70.7076
1379	842958.657	594360.08	62.3335	3884	842382.901	593562.98	70.0401
1380	842946.285	594350.56	59.7719	3885	842384.753	593562.07	69.2681
1381	842937.481	594329.84	61.7718	3886	842388.131	593561.43	68.5811
1382	842923.919	594309.84	61.5861	3887	842390.689	593560.01	67.8919
1383	842929.153	594330.56	58.6433	3888	842392.675	593558.93	67.3594
1384	842938.671	594322.94	63.5728	3889	842394.472	593558.46	64.9742
1385	842958.692	594329.82	68.4888	3890	842396.054	593557.18	63.9663
1386	842942.478	594307.94	68.6318	3891	842398.41	593555.36	62.4878
1387	842925.584	594287.7	67.2757	3892	842400.071	593555.09	62.1606
1388	842911.784	594269.36	66.5334	3893	842401.854	593553.54	62.1562
1389	842903.501	594265.94	64.2228	3894	842404.615	593551.24	62.1486
1390	842903.932	594275.08	62.7625	3895	842407.321	593550.3	62.1326
1391	842910.118	594295.32	59.7986	3896	842409.34	593548.78	62.126
1392	842916.305	594295.32	62.3855	3897	842411.999	593547.5	62.1126
1393	842923.443	594300.32	63.8806	3898	842414.436	593546.59	62.0986
1394	842932.722	594311.51	63.7303	3899	842416.772	593543.84	62.0976
1395	842932.722	594302.46	66.212	3900	842421.718	593540.4	62.7087
1396	842941.526	594301.51	69.0745	3901	842428.313	593535.45	67.6852

Handwritten signature in blue ink.

P	N	E	Z	P	N	E	Z
1397	842950.092	594321.51	68.2511	3902	842431.484	593533.29	68.7063
1398	842946.523	594328.42	64.8645	3903	842432.563	593530.89	69.5122
1399	842953.423	594322.94	68.3945	3904	842431.956	593527.76	69.9883
1400	842976.265	594352.46	69.6263	3905	842430.776	593529.24	69.2907
1401	842976.265	594374.13	64.7635	3906	842429.394	593530.66	68.6423
1402	842979.834	594371.27	67.0397	3907	842428.282	593532.85	68.0684
1403	842985.068	594363.89	70.1734	3908	842435.251	593527.78	69.3431
1404	842993.396	594390.08	67.5521	3909	842433.595	593525.34	69.3311
1405	842990.779	594395.8	64.8901	3910	842418.785	593541.59	62.0959
1406	842981.975	594394.61	62.6153	3911	842421.866	593537.4	66.0958
1407	842984.593	594379.13	66.8747	3912	842423.51	593538.27	64.0426
1408	843006.228	594408.18	67.4144	3913	842382.242	593564.55	69.3482
1409	843002.071	594406.67	66.6303	3914	842384.308	593563.9	69.7369
1410	843000.56	594404.03	66.7243	3915	842386.291	593562.62	69.0599
1411	843009.723	594402.32	69.9427	3916	842401.811	593561.6	62.6363
1412	843016.902	594426.52	67.2303	3917	842412.938	593554.25	62.06
1413	842917.061	594287.83	63.971	3918	842420.727	593549.35	62.0284
1414	842903.932	594275.08	62.7625	3919	842427.181	593546.46	63.3322
1415	842915.352	594278.05	65.643	3920	842434.525	593541.33	68.1668
1416	842897.526	594281.23	59.2525	3921	842434.347	593532.15	69.8177
1417	842899.236	594267.05	62.9997	3922	842433.91	593534.39	69.1976
1418	842887.111	594252.25	61.9893	3923	842431.944	593537.34	68.1987
1419	842890.934	594269.74	59.3641	3924	842430.088	593540.08	67.3802
1420	842884.545	594243.57	63.296	3925	842435.111	593538.49	68.7223
1421	842890.405	594236.73	66.5433	3926	842434.947	593536.69	69.0405
1422	842896.754	594237.95	68.863	3927	842436.203	593535.65	69.6671
1423	842903.103	594257.01	66.2907	3928	842437.742	593531.59	69.3056
1424	842897.487	594249.68	65.9526	3929	842440.236	593535.4	69.2933
1425	842884.545	594243.57	63.296	3930	842437.735	593537.91	69.6766
1426	842872.092	594230.13	61.7746	3931	842436.323	593539.98	68.7792
1427	842860.371	594212.3	61.7656	3932	842434.36	593540.32	68.2818
1428	842855.216	594201.43	62.5899	3933	842432.5	593539.7	67.9663
1429	842869.894	594210.83	65.0701	3934	842431.246	593542.81	67.2235
1430	842885.033	594222.56	68.1838	3935	842427.939	593542.85	66.403
1431	842876.243	594215.47	66.4514	3936	842425.46	593542.78	63.6207
1432	842858.173	594195.19	65.0952	3937	842423.622	593543.92	62.5396
1433	842845.965	594180.78	64.3866	3938	842420.384	593546.4	62.0508
1434	842832.535	594162.45	63.7968	3939	842418.731	593548.5	62.0505
1435	842839.128	594168.07	65.0125	3940	842408.633	593554.07	62.0967
1436	842846.453	594170.51	66.3254	3941	842413.576	593550.7	62.0784
1437	842853.534	594171	69.1528	3942	842415.149	593553.85	62.0445
1438	842856.464	594188.6	65.5525	3943	842418.07	593550.02	62.0458
1439	842844.988	594192.75	60.6943	3944	842427.731	593539.68	66.8394
1440	842851.092	594196.17	62.3087	3945	842385.212	593567.35	70.1282
1441	842876.854	594220.88	65.2256	3946	842386.04	593568.42	70.059

Handwritten signature and initials in blue ink.

Handwritten text and a faint rectangular stamp in blue ink.

P	N	E	Z	P	N	E	Z
1442	842872.989	594221.26	64.583	3947	842387.317	593570.39	70.0175
1443	842876.178	594226.29	64.5374	3948	842389.29	593568.86	69.1218
1444	842880.14	594235.09	63.7809	3949	842390.981	593567.69	68.7338
1445	842829.079	594147.36	65.6242	3950	842393.811	593565.03	67.8781
1446	842840.536	594155.47	67.9761	3951	842387.461	593567	69.2742
1447	842846.261	594165.94	67.5006	3952	842386.564	593565.65	69.3108
1448	842831.074	594152.98	65.6178	3953	842387.703	593564.27	68.9732
1449	842831.074	594152.98	65.6178	3954	842389.842	593563.92	68.5424
1450	842837.299	594158.96	65.6661	3955	842391.43	593563.79	68.2055
1451	842835.058	594149.49	67.3257	3956	842393.19	593562.75	67.7237
1452	842829.079	594147.36	65.6242	3957	842391.568	593561.3	67.8726
1453	842817.381	594136.54	64.5671	3958	842395.232	593563.04	67.3479
1454	842805.43	594116.6	65.0361	3959	842397.085	593561.81	66.8237
1455	842793.597	594103.25	63.7503	3960	842399.202	593559.33	63.171
1456	842804.932	594133.55	60.9942	3961	842404.848	593556.15	62.1141
1457	842817.879	594145.01	62.4519	3962	842401.514	593556.5	62.1393
1458	842820.165	594154.99	60.6711	3963	842405.837	593553.76	62.1218
1459	842826.842	594167.43	60.5685	3964	842408.925	593552.09	62.1075
1460	842822.044	594156.24	61.1139	3965	842410.601	593551.64	62.0966
1461	842797.961	594089.45	68.281	3966	842410.69	593554.38	62.0777
1462	842783.272	594067.03	68.2882	3967	842408.837	593556.24	62.0807
1463	842776.799	594056.81	68.3828	3968	842405.661	593558	62.0951
1464	842769.827	594063.29	64.7708	3969	842403.014	593560.03	62.1034
1465	842779.538	594076.49	65.21	3970	842399.22	593562.33	66.5182
1466	842779.538	594076.49	65.21	3971	842401.602	593559.77	62.2536
1467	842793.977	594093.68	66.314	3972	842403.543	593557.83	62.1138
1468	842783.023	594090.69	62.7724	3973	842389.711	593566.6	68.8479
1469	842791.426	594099.79	63.7911	3974	842388.77	593565.6	68.9152
1470	842797.712	594107.14	64.4052	3975	842390.873	593565.6	68.5407
1471	842797.961	594111.87	63.2109	3976	842393.253	593566.38	68.1562
1472	842791.737	594108.88	61.428	3977	842384.359	593567.88	69.4294
1473	842793.977	594113.12	61.2032	3978	842424.039	593548.59	62.0061
1474	842804.229	594120.19	63.5501	3979	842423.033	593546.3	62.0297
1475	842756.588	594042.12	65.0391	3980	842426.5	593544.84	63.49
1476	842749.734	594049.49	61.2324	3981	842430.303	593545.12	66.5035
1477	842761.702	594052.43	64.3509	3982	842405.303	593561.56	62.0744
1478	842770.296	594051.02	67.253	3983	842408.883	593558.61	62.0646
1479	842733.393	593997.4	67.4579	3984	842411.658	593558.07	62.0452
1480	842756.081	594035.77	66.5687	3985	842417.475	593556.01	62.011
1481	842741.611	594010.12	67.2984	3986	842419.176	593552.78	62.0184
1482	842760.397	594031.2	68.5475	3987	842389.2	593571.92	69.6754
1483	842760.397	594031.2	68.5475	3988	842391.981	593569.94	68.7695
1484	842751.07	594035.49	64.5511	3989	842393.596	593568.68	68.3695
1485	842790.534	594083.63	66.7707	3990	842396.577	593566.61	67.5145
1486	842787.971	594071.83	68.9352	3991	842400.076	593564.37	66.5638

24

P	N	E	Z	P	N	E	Z
1487	842779.256	594080.3	64.049	3992	842402.947	593564.19	62.8137
1488	842768.746	594081.06	60.523	3993	842408.714	593563.01	62.0367
1489	842756.843	594079.09	55.7378	3994	842413.738	593559.42	62.0191
1490	842701.513	593990.93	56.7796	3995	842415.353	593558.25	62.0136
1491	842722.318	593980.27	67.6732	3996	842419.057	593555.72	61.9999
1492	842734.43	594009.13	64.8219	3997	842421.416	593553.97	61.992
1493	842740.627	594009.13	67.3244	3998	842422.876	593552.34	61.9908
1494	842729.099	593989.84	67.5297	3999	842425.65	593550.87	61.9777
1495	842717.004	593981.21	65.1925	4000	842429.806	593548.12	66.0557
1496	842711.686	593963.33	67.8734	4001	842432.558	593545.64	67.0812
1497	842706.952	593957.42	67.5145	4002	842434.658	593544.4	67.7347
1498	842702.441	593951.26	67.3165	4003	842436.174	593542.77	68.3129
1499	842687.28	593933.85	65.7523	4004	842438.252	593541.31	69.1157
1500	842685.108	593930.39	65.7932	4005	842439.095	593540.47	69.5675
1501	842687.28	593933.85	65.7523	4006	842416.076	593566.93	61.95
1502	842687.174	593946.67	63.2213	4007	842427.342	593557.26	61.9213
1503	842680.702	593936.01	62.3394	4008	842430.561	593554.04	62.6656
1504	842674.758	593924.88	62.4302	4009	842437.459	593548.52	67.7325
1505	842680.079	593918.75	66.8817	4010	842441.812	593544.56	69.566
1506	842685.239	593918.11	68.332	4011	842443.166	593540.31	69.2725
1507	842693.496	593927.52	69.0081	4012	842442.316	593538.92	69.2832
1508	842699.268	593939.57	68.1169	4013	842438.887	593544.8	68.6049
1509	842692.657	593934.73	67.7602	4014	842440.332	593542.45	69.5422
1510	842698.461	593957.48	63.9472	4015	842436.719	593545.02	68.0953
1511	842694.914	593962	61.3212	4016	842434.455	593546.66	67.351
1512	842527.715	593679.76	68.716	4017	842433.426	593549.04	66.6123
1513	842533.209	593687.54	68.88	4018	842430.653	593550.52	63.6702
1514	842543.566	593708.76	67.3901	4019	842427.58	593553.53	61.9441
1515	842530.578	593709.58	62.8131	4020	842423.901	593555.28	61.9628
1516	842516.274	593686.71	63.1039	4021	842419.753	593560.22	61.9642
1517	842531.858	593696.35	66.1096	4022	842416.187	593562.14	61.9808
1518	842523.837	593693.13	64.5069	4023	842411.47	593565.66	61.9963
1519	842523.837	593693.13	64.5069	4024	842407.734	593567.82	62.0128
1520	842536.004	593682.27	71.167	4025	842404.169	593569.01	63.5298
1521	842556.884	593710.9	71.2928	4026	842400.749	593570.77	67.1833
1522	842567.115	593732.48	70.5893	4027	842397.75	593571.84	67.92
1523	842576.417	593740.79	71.2615	4028	842395.146	593573.6	68.5706
1524	842583.062	593753.87	70.4551	4029	842393.222	593574.28	68.953
1525	842584.105	593760.05	70.2758	4030	842387.634	593573.06	69.4083
1526	842577.473	593756.83	68.3856	4031	842393.521	593571.63	68.6642
1527	842567.937	593762.92	63.8082	4032	842397.774	593569.53	67.6307
1528	842565.471	593774.17	59.7878	4033	842399.078	593568.45	67.2355
1529	842578.788	593786.44	61.893	4034	842397.66	593565.38	67.1453
1530	842590.132	593787.43	65.2862	4035	842399.266	593565.77	66.8698
1531	842556.099	593743.67	64.1374	4036	842403.632	593566.34	63.0745

Handwritten signature or initials in blue ink.

P	N	E	Z	P	N	E	Z
1532	842544.097	593743.17	59.6918	4037	842405.73	593565.43	62.0452
1533	842544.426	593731	62.7308	4038	842406.921	593562.94	62.052
1534	842533.548	593723.35	60.3727	4039	842408.785	593565.68	62.0184
1535	842527.492	593713.06	60.7186	4040	842411.483	593563.3	62.0119
1536	842515.818	593693.48	61.2653	4041	842412.406	593560.21	62.0249
1537	842550.181	593721.29	66.7195	4042	842408.643	593560.32	62.0552
1538	842555.77	593718.33	69.8691	4043	842414.537	593566.03	61.9686
1539	842565.471	593774.17	59.7878	4044	842410.476	593573.14	61.9549
1540	842574.96	593774.86	63.469	4045	842403.949	593575.17	67.0786
1541	842587.323	593766.7	69.7973	4046	842398.293	593576.19	68.2784
1542	842597.582	593790.92	67.4451	4047	842394.522	593576.62	68.9471
1543	842612.84	593807.5	69.277	4048	842390.306	593576.26	69.4112
1544	842610.686	593811.81	67.1946	4049	842391.631	593578.24	69.4199
1545	842599.161	593815.14	62.5429	4050	842393.22	593579.65	69.4559
1546	842590.743	593810.92	60.1778	4051	842392.679	593577.11	69.5281
1547	842603.633	593804.08	66.3654	4052	842391.743	593575.35	69.4932
1548	842613.629	593800.39	70.4761	4053	842391.564	593573.63	69.2037
1549	842626.519	593824.88	69.4419	4054	842399.809	593574.6	67.8427
1550	842619.412	593831.87	65.3405	4055	842403.229	593572.94	66.9503
1551	842607.841	593827.24	62.8518	4056	842406.536	593570.77	62.9701
1552	842607.841	593827.24	62.8518	4057	842408.873	593570.09	61.9883
1553	842616.785	593821.45	67.1003	4058	842413.971	593567	61.9668
1554	842621.317	593828.75	66.9944	4059	842419.044	593563.63	61.9474
1555	842630.727	593835.67	69.032	4060	842421.324	593561.86	61.9403
1556	842635.771	593846.15	68.2658	4061	842424.687	593559.69	61.927
1557	842642.581	593862.63	66.594	4062	842428.702	593558.88	61.8993
1558	842647.826	593876.21	64.1166	4063	842432.351	593555.23	63.0866
1559	842661.076	593907.88	62.0145	4064	842435.543	593551.3	66.7989
1560	842669.231	593919.99	62.1034	4065	842438.918	593550.09	67.816
1561	842673.966	593940.26	58.5241	4066	842441.309	593547.42	68.7936
1562	842687.174	593946.67	62.2219	4067	842444.666	593542.81	69.2311
1563	842675.164	593941.45	58.6965	4068	842398.373	593579.81	68.5909
1564	842681.858	593950	59.1531	4069	842404.14	593576.97	67.2606
1565	842688.171	593963.42	58.1109	4070	842461.044	593696.1	70.114
1566	842690.881	593973.99	56.9798	4071	842460.131	593694.24	70.0583
1567	842704.481	593978.69	60.7436	4072	842458.864	593692.09	70.067
1568	842704.481	593982.11	59.805	4073	842456.711	593688.54	70.105
1569	842713.424	593997.91	59.213	4074	842455.808	593686.88	70.0873
1570	842724.999	593988.17	66.6284	4075	842453.895	593684.38	70.2178
1571	842720.001	593996.06	62.5659	4076	842452.546	593682.07	70.2126
1572	842728.682	594015.54	61.7397	4077	842453.741	593680.64	69.5498
1573	842722.894	594015.54	58.336	4078	842457.956	593677.24	67.4113
1574	842670.809	593901.82	67.649	4079	842461.523	593674.32	65.8093
1575	842666.016	593899.97	66.1527	4080	842465.9	593670.74	63.237
1576	842663.845	593896.51	66.1936	4081	842470.44	593667.34	60.8347

Handwritten signature/initials in blue ink.

P	N	E	Z	P	N	E	Z
1577	842649.764	593870.5	67.4402	4082	842474.979	593665.39	60.8102
1578	842663.969	593885.77	68.7523	4083	842477.294	593664.08	60.7998
1579	842673.44	593906.03	67.5937	4084	842481.51	593660.67	60.7877
1580	842666.016	593899.97	66.1527	4085	842485.887	593657.26	60.7742
1581	842629.262	593875.81	58.1402	4086	842488.805	593654.83	60.7663
1582	842629.246	593857.6	62.494	4087	842493.183	593649.8	62.5891
1583	842616.459	593855.41	58.3812	4088	842498.082	593646.87	65.4422
1584	842618.198	593844.17	62.5394	4089	842500.19	593644.92	65.7808
1585	842622.933	593841.01	64.3888	4090	842503.757	593640.86	69.2581
1586	842637.138	593868.92	62.6895	4091	842507.636	593638.13	70.863
1587	842644.753	593866.09	66.5531	4092	842511.16	593641.49	71.2098
1588	842649.238	593866.55	68.3033	4093	842509.704	593639.84	71.1128
1589	842653.213	593879.57	66.3938	4094	842512.366	593651.96	69.6823
1590	842652.658	593889.71	62.8468	4095	842509.12	593653.68	68.0374
1591	842649.501	593893.93	61.0009	4096	842506.128	593658.27	65.632
1592	842648.354	593906.23	57.7806	4097	842455.478	593682.08	69.2284
1593	842656.604	593893.4	64.0189	4098	842459.552	593679.63	67.3582
1594	842610.655	593845.16	59.3008	4099	842461.588	593677.9	66.8201
1595	842613.83	593846.83	59.9831	4100	842465.068	593676.06	64.9602
1596	842618.63	593858.87	58.7868	4101	842468.938	593673.4	62.6188
1597	842632.377	593876.6	58.5922	4102	842472.298	593670.96	60.7953
1598	842641.066	593895.83	57.9099	4103	842478.636	593668	60.7627
1599	842648.251	593899.17	59.0392	4104	842482.302	593665.14	60.7514
1600	842656.606	593910.54	59.4143	4105	842484.95	593662.69	60.7459
1601	842639.896	593849.17	67.9426	4106	842488.621	593660.84	60.7279
1602	842637.557	593854.19	66.8076	4107	842494.867	593659.27	60.694
1603	842636.22	593860.71	64.4598	4108	842496.948	593654.59	62.8505
1604	842628.868	593862.39	61.0232	4109	842499.07	593653.72	63.9741
1605	842618.63	593858.87	58.3404	4110	842501.721	593652.29	65.4748
1606	842625.526	593850.51	62.8817	4111	842503.863	593650.56	67.0157
1607	842627.531	593840.81	66.2836	4112	842505.699	593649.44	67.753
1608	842626.529	593833.29	67.9282	4113	842508.146	593648.01	69.164
1609	842571.053	593786.47	59.1877	4114	842515.078	593648.9	70.945
1610	842576.103	593791.11	59.5877	4115	842514.593	593647.99	70.9762
1611	842588.765	593803.19	61.4714	4116	842513.659	593646.09	71.0633
1612	842603.47	593812.56	64.788	4117	842512.686	593644.53	71.0787
1613	842588.765	593803.19	61.4714	4118	842510.356	593640.29	71.2063
1614	842588.097	593796.5	63.0265	4119	842505.762	593644.79	69.0353
1615	842588.097	593796.5	63.0265	4120	842501.663	593647.72	65.6721
1616	842585.758	593791.82	63.3326	4121	842508.282	593643.86	70.0246
1617	842585.758	593791.82	63.3326	4122	842510.81	593647.31	70.0881
1618	842576.103	593791.11	59.5877	4123	842509.687	593649.64	69.3665
1619	842676.593	593970.33	57.122	4124	842508.252	593651.72	68.204
1620	842671.015	593961.8	57.2246	4125	842504.813	593653.36	66.8204
1621	842665.722	593953.17	57.3256	4126	842503.831	593655	65.6144

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1622	842711.164	594086.51	63.9405	4127	842502.029	593656.31	64.5015
1623	842718.12	594093.72	62.8146	4128	842500.883	593658.77	63.3476
1624	842725.956	594100.17	61.1125	4129	842499.737	593660.08	62.5085
1625	842733.118	594107.45	60.6832	4130	842497.28	593662.71	60.7619
1626	842739.924	594114.94	60.0033	4131	842494.987	593664.51	60.651
1627	842747.267	594122.06	58.6878	4132	842493.514	593665.49	60.6567
1628	842753.272	594130.21	58.2093	4133	842489.911	593668.44	60.6668
1629	842760.885	594136.99	56.6882	4134	842486.799	593670.25	60.6804
1630	842751.707	594132.81	59.5499	4135	842484.834	593671.72	60.6868
1631	842737.83	594118.09	60.6312	4136	842483.033	593673.03	60.693
1632	842730.715	594111.03	61.8667	4137	842477.792	593676.15	60.7155
1633	842716.132	594096.7	64.4332	4138	842475.008	593677.3	61.0171
1634	842710.404	594089.99	65.1631	4139	842468.785	593680.57	64.5293
1635	842720.607	594070.96	56.9704	4140	842465.51	593683.36	66.6735
1636	842728.201	594063.83	56.0752	4141	842458.233	593686.86	69.2294
1637	842736.316	594057.87	56.048	4142	842460.162	593685.53	68.2818
1638	842745.923	594055.42	57.028	4143	842462.934	593684.05	67.1786
1639	842746.128	594055.89	56.9859	4144	842469.853	593679.58	63.8157
1640	842750.414	594065.15	56.2377	4145	842458.176	593684.02	68.6731
1641	842743.591	594072.51	55.8907	4146	842463.752	593682.21	66.8589
1642	842735.253	594078.05	55.6302	4147	842467.196	593678.44	65.9413
1643	842730.605	594081.94	55.6791	4148	842468.836	593677.94	65.6245
1644	842735.704	594088.17	55.8517	4149	842473.428	593675.15	61.1432
1645	842734.387	594091.44	56.3538	4150	842476.216	593673.35	60.7471
1646	842744.95	594085.79	56.2945	4151	842478.512	593672.53	60.7336
1647	842745.599	594085.5	56.3076	4152	842482.94	593669.41	60.7178
1648	842753.457	594079.31	55.7642	4153	842490.689	593664.63	60.6857
1649	842757.353	594076.32	56.0774	4154	842492.657	593663.16	60.6792
1650	842762.889	594083.41	56.446	4155	842497.085	593660.04	61.4128
1651	842767.025	594092.78	56.5894	4156	842490.689	593656.75	60.738
1652	842749.678	594103.48	56.3118	4157	842493.641	593653.14	61.8637
1653	842745.091	594105.61	55.611	4158	842494.625	593652.32	62.5003
1654	842749.595	594113.67	55.5631	4159	842497.741	593651.66	63.9835
1655	842755.226	594122.22	55.4645	4160	842498.889	593649.86	64.9589
1656	842764.956	594119.53	55.4022	4161	842501.677	593644.6	67.4389
1657	842774.407	594115.82	55.3489	4162	842505.285	593641.81	69.5877
1658	842768.31	594127.41	55.3222	4163	842506.926	593641.32	70.1114
1659	842761.249	594130.27	55.3614	4164	842516.813	593656.23	70.1124
1660	842766.018	594146.37	56.901	4165	842513.723	593658.75	68.5958
1661	842773.587	594143.94	55.1688	4166	842508.429	593661.85	65.5875
1662	842775.17	594142.29	55.1667	4167	842506.498	593663.91	64.2869
1663	842784.721	594138.32	55.1144	4168	842502.186	593666.36	61.8121
1664	842792.494	594133.11	55.1973	4169	842497.788	593670.1	60.5908
1665	842793.236	594132.9	55.5652	4170	842494.119	593672.03	60.6082
1666	842798.173	594141.66	56.2096	4171	842488.584	593675.64	60.6299

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1667	842802.874	594150.63	55.8668	4172	842483.73	593680.16	60.6399
1668	842809.866	594160.71	55.8737	4173	842480.448	593681.84	60.6558
1669	842801.952	594167.22	55.3461	4174	842475.749	593684.93	62.6636
1670	842793.954	594173.62	55.4858	4175	842472.176	593686.16	64.5131
1671	842787.218	594181.18	56.7683	4176	842467.091	593690.09	67.0308
1672	842787.124	594181.44	56.8738	4177	842464.967	593691.96	67.8937
1673	842790.915	594190.78	57.6519	4178	842463.487	593692.99	68.6235
1674	842794.28	594200.31	58.6619	4179	842457.554	593691.44	70.351
1675	842804.097	594198.43	54.5552	4180	842461.954	593689.56	68.4662
1676	842813.454	594194.71	54.5028	4181	842468.357	593687.7	66.6008
1677	842822.24	594189.49	54.4651	4182	842470.215	593686.25	65.376
1678	842826.411	594187.63	54.4431	4183	842473.829	593682.63	62.8953
1679	842832.348	594192.46	55.5838	4184	842475.894	593680.67	61.5044
1680	842837.132	594201.3	55.1598	4185	842479.302	593679.22	60.6826
1681	842830.296	594208.7	54.2711	4186	842478.921	593688.1	62.1189
1682	842821.51	594213.28	55.0481	4187	842483.877	593682	60.6265
1683	842821.409	594213.39	55.0448	4188	842490.486	593678.69	60.5939
1684	842814.37	594210.81	54.5146	4189	842496.268	593671.15	60.5964
1685	842811.457	594210.74	54.1475	4190	842498.472	593674.66	60.5549
1686	842803.797	594216.5	58.7467	4191	842502.809	593670.32	60.9865
1687	842803.798	594217.21	58.93	4192	842507.249	593668.25	63.4103
1688	842824.488	594214.85	54.7522	4193	842510.76	593664.94	65.5357
1689	842830.464	594222.97	53.6665	4194	842514.477	593662.25	67.9632
1690	842830.645	594228.01	53.8727	4195	842517.612	593661.61	69.3757
1691	842831.33	594233.16	54.1	4196	842519.36	593659.91	70.1411
1692	842822.814	594248.25	58.7616	4197	842517.826	593658.64	69.9568
1693	842819.021	594238.63	57.9127	4198	842521.299	593657.36	71.1086
1694	842824.964	594248.09	57.7974	4199	842522.092	593659.25	70.9864
1695	842833.892	594243.58	54.0096	4200	842519.838	593655.67	71.0172
1696	842843.076	594238.86	53.9653	4201	842518.68	593653.1	71.1628
1697	842851.981	594233.93	53.9247	4202	842517.283	593651.21	71.1248
1698	842861.314	594229.69	58.4706	4203	842516.321	593649.78	71.1205
1699	842866.861	594238.19	58.4592	4204	842513.524	593653.81	69.6652
1700	842871.319	594247.22	57.8462	4205	842508.967	593657.13	67.1355
1701	842863.533	594253.49	53.6995	4206	842515.608	593654.91	70.0245
1702	842855.208	594259.21	53.7301	4207	842505.152	593661.51	64.3823
1703	842846.702	594264.74	53.7634	4208	842501.715	593663.18	62.4875
1704	842837.907	594270	57.8852	4209	842498.07	593665.37	60.6199
1705	842834.706	594272.53	58.8291	4210	842496.611	593666.41	60.625
1706	842845.466	594276.81	56.397	4211	842493.904	593668.49	60.6335
1707	842854.839	594280.59	53.591	4212	842490.987	593670.89	60.6416
1708	842863.362	594275.35	53.5556	4213	842498.423	593668.05	60.5992
1709	842878.806	594263.72	56.4497	4214	842462.609	593697.37	69.8206
1710	842880.244	594264.41	56.8623	4215	842463.88	593696.15	69.1259
1711	842881.58	594274.37	53.7061	4216	842469.526	593692.59	66.8577

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1712	842887.615	594282.45	54.0148	4217	842472.139	593690.92	65.6187
1713	842880.845	594290.17	53.313	4218	842474.962	593689.04	64.0575
1714	842872.211	594295.49	53.3489	4219	842485.025	593685.32	60.5949
1715	842867.67	594298	53.3696	4220	842488.494	593682.11	60.5876
1716	842870.034	594305.45	53.2936	4221	842488.822	593679.69	60.601
1717	842872.81	594315.15	54.5365	4222	842486.204	593678.84	60.6283
1718	842882.92	594313.63	53.14	4223	842483.913	593676.8	60.6607
1719	842892.154	594309.23	53.0932	4224	842492.748	593676.5	60.5898
1720	842900.733	594304.11	53.5589	4225	842491.281	593674.09	60.618
1721	842903.609	594303.12	55.0336	4226	842495.576	593674.82	60.5777
1722	842908.061	594311.13	55.6828	4227	842499.033	593672.1	60.5673
1723	842915.517	594317.82	56.9648	4228	842501.144	593670.66	60.5594
1724	842908.082	594324.68	52.8591	4229	842504.095	593668.04	62.1495
1725	842899.349	594329.96	52.8961	4230	842504.307	593658.38	64.8877
1726	842890.487	594334.93	52.0604	4231	842506.93	593655.56	66.9433
1727	842881.338	594339.39	57.1161	4232	842511.652	593660.94	67.156
1728	842886.028	594348.27	57.3916	4233	842512.701	593662.58	67.1428
1729	842887.825	594358.25	58.1088	4234	842451.83	593678.87	69.8633
1730	842897.566	594355.8	54.3815	4235	842454.091	593676.14	68.5142
1731	842906.538	594350.71	52.699	4236	842455.538	593678.42	68.4665
1732	842915.647	594346.05	52.6548	4237	842457.316	593675.06	67.3121
1733	842924.682	594341.44	53.3355	4238	842458.632	593672.62	66.8246
1734	842934.588	594343.72	56.8516	4239	842467.275	593663.98	60.9076
1735	842941.808	594350.93	58.4077	4240	842469.71	593662.07	60.8757
1736	842935.755	594359.08	53.1289	4241	842473.481	593662.06	60.8446
1737	842927.349	594364.86	52.4333	4242	842475.456	593660.42	60.8393
1738	842919.497	594371.27	52.4555	4243	842478.682	593657.25	60.8337
1739	842911.785	594377.97	53.9879	4244	842480.656	593654.62	60.8349
1740	842907.368	594380.51	56.5354	4245	842483.454	593654.05	60.8156
1741	842912.617	594388.15	56.2511	4246	842489.427	593647.42	61.6708
1742	842914.455	594398.21	57.2144	4247	842497.761	593639.08	67.3914
1743	842954.78	594405.5	51.9372	4248	842506.554	593637.05	70.7666
1744	842946.232	594411.05	51.9708	4249	842504.927	593636.5	70.4304
1745	842937.993	594416.8	52.7637	4250	842501.681	593638.16	69.1202
1746	842929.89	594422.65	56.9281	4251	842499.826	593640.15	67.8085
1747	842934.952	594431.41	56.8121	4252	842497.508	593642.27	65.7653
1748	842942.971	594437.49	55.9308	4253	842496.382	593643.33	65.7013
1749	842944.992	594439.08	55.472	4254	842494.925	593644.79	64.6918
1750	842952.786	594434.63	51.7601	4255	842493.997	593646.05	63.9585
1751	842961.248	594429.13	51.7269	4256	842491.748	593648.96	62.2176
1752	842969.662	594423.75	51.6933	4257	842489.923	593650.33	61.0789
1753	842974.946	594420.2	52.753	4258	842487.214	593652.41	60.7955
1754	842979.469	594426.09	54.0125	4259	842484.477	593655.15	60.7999
1755	842984.229	594435.05	53.5448	4260	842482.279	593656.77	60.8072
1756	842984.967	594436.07	53.5753	4261	842480.192	593658.77	60.8112



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1757	842977.347	594442.65	52.0346	4262	842478.906	593659.68	60.8157
1758	842974.414	594444.63	52.1031	4263	842477.04	593660.88	60.8231
1759	842979.118	594452.72	51.4228	4264	842475.008	593662.25	60.8308
1760	842984.455	594461.39	51.3212	4265	842472.465	593664.83	60.8346
1761	842985.306	594462.23	51.3086	4266	842470.267	593665.17	60.8505
1762	842988.718	594460.2	51.294	4267	842468.235	593665.95	61.0031
1763	842993.79	594457.29	51.2715	4268	842466.369	593667.95	62.316
1764	842996.126	594456.11	51.7604	4269	842463.453	593668.97	63.8308
1765	843001.98	594463.34	52.2262	4270	842464.656	593673.69	64.528
1766	843006.19	594470.22	52.0984	4271	842469.302	593670.83	61.8008
1767	843000.162	594473.39	51.112	4272	842471.227	593669.84	60.8116
1768	842994.203	594476.45	51.1408	4273	842474.213	593666.58	60.8086
1769	842997.284	594483.21	51.0705	4274	842485.388	593666.84	60.7147
1770	843001.729	594492.41	50.9727	4275	842489.972	593660.55	60.7187
1771	843007.214	594492.64	50.926	4276	842452.801	593674.2	68.5737
1772	843011.53	594489.82	50.9091	4277	842454.9	593672.69	67.5289
1773	843014.874	594487.32	51.0407	4278	842457.534	593669.55	65.8371
1774	843017.814	594494.14	50.8286	4279	842458.663	593668	65.6346
1775	843017.2	594498.16	50.8069	4280	842460.62	593668.7	64.9742
1776	843013.991	594502.08	50.8074	4281	842462.897	593665.32	63.1281
1777	843009.389	594504.1	50.8319	4282	842466.528	593661.3	60.907
1778	843009.192	594504.21	50.8328	4283	842468.381	593660.83	60.8948
1779	843011.567	594510.61	50.7707	4284	842471.309	593658.7	60.8849
1780	843016.14	594511.52	50.7269	4285	842472.48	593657.69	60.8819
1781	843019.01	594509.15	50.719	4286	842475.116	593655.14	60.8771
1782	842796.428	594139.38	56.1055	4287	842476.594	593655.59	60.8619
1783	842791.207	594140.41	55.5276	4288	842479.188	593652.12	60.8636
1784	842787.844	594134.02	55.1173	4289	842480.819	593650.49	60.861
1785	842792.162	594130.16	55.8671	4290	842484.684	593649.1	60.8384
1786	842791.35	594124.57	57.0596	4291	842488.49	593645.5	61.8056
1787	842785.236	594123.12	55.2111	4292	842490.91	593642.75	63.5712
1788	842783.462	594117.87	55.5986	4293	842492.407	593641.36	64.5789
1789	842788.047	594115.06	58.288	4294	842495.722	593640.29	65.81
1790	842787.06	594108.44	59.6894	4295	842492.04	593645.7	63.2354
1791	842784.641	594098.62	61.3431	4296	842501.131	593636.61	69.3082
1792	842779.903	594098.24	59.4956	4297	842503.864	593633.91	70.6043
1793	842778.29	594090.8	61.4921	4298	842449.248	593677.12	70.3046
1794	842777.594	594080.78	63.2213	4299	842448.523	593675.38	70.2265
1795	842779.754	594077.21	65.1037	4300	842446.646	593671.49	70.1192
1796	842778.47	594070.79	66.3289	4301	842443.954	593667.62	70.218
1797	842774.149	594069.15	64.9701	4302	842438.842	593659.18	70.2534
1798	842704.729	594023.7	56.5354	4303	842437.638	593657.04	70.2352
1799	842727.107	594054.45	56.1466	4304	842436.26	593654.31	70.1687
1800	842732.61	594056.47	56.0878	4305	842450.502	593671.42	68.8193
1801	842732.116	594051.94	56.122	4306	842454.927	593666.16	65.8635

P	N	E	Z	P	N	E	Z
1802	842714.916	594018.35	56.487	4307	842459.628	593660.07	63.1796
1803	842787.645	594159	54.692	4308	842464.053	593653.15	60.9816
1804	842767.916	594122.72	55.3566	4309	842471.797	593647.89	60.9527
1805	842760.897	594104.37	55.5364	4310	842472.92	593650.94	60.9232
1806	842747.68	594090.32	56.2396	4311	842477.58	593645.51	60.9208
1807	842763.363	594094.54	56.0487	4312	842480.114	593647.45	60.887
1808	842890.494	594317.64	53.0509	4313	842484.015	593644.09	60.8772
1809	842874.367	594285.16	53.3997	4314	842489.976	593638.34	64.3912
1810	842859.421	594261.35	53.6812	4315	842491.927	593637.58	65.4153
1811	842208.654	593213.88	66.0056	4316	842494.66	593637.9	65.8211
1812	842203.093	593215.49	66.0408	4317	842498.236	593634.86	68.5692
1813	842197.693	593217.48	66.0721	4318	842503.324	593632.41	70.7243
1814	842192.621	593219.8	66.0985	4319	842502.313	593631.35	70.6432
1815	842189.413	593221.52	66.2095	4320	842497.546	593630.87	69.3584
1816	842186.987	593217.09	66.1629	4321	842494.435	593632.89	67.6125
1817	842193.22	593213.86	66.133	4322	842490.358	593634.55	65.5911
1818	842199.963	593211.22	66.095	4323	842488.034	593635.64	64.3195
1819	842204.832	593209.53	66.066	4324	842483.94	593638.14	61.9209
1820	842207.969	593208.34	66.0481	4325	842482.758	593639.07	61.1708
1821	842205.982	593202.52	66.1031	4326	842480.525	593641.1	60.9258
1822	842199.754	593205.63	66.1338	4327	842479.858	593644.07	60.9116
1823	842193.726	593208.08	66.1672	4328	842482.28	593642.62	60.9012
1824	842187.729	593210.1	66.2033	4329	842484.599	593640.91	61.4363
1825	842183.584	593211.92	66.2383	4330	842493.365	593636.14	65.8494
1826	842175.954	593211.18	70.295	4331	842496.212	593635.68	67.5892
1827	842180.627	593208.1	66.5221	4332	842499.867	593633.89	69.5137
1828	842183.978	593206.78	66.2563	4333	842476.947	593641.69	60.9514
1829	842189.395	593203.51	66.2333	4334	842467.055	593647.08	60.9971
1830	842193.23	593201.05	66.218	4335	842448.272	593666.72	68.6505
1831	842195.675	593199.76	66.2064	4336	842446.71	593665.15	68.8832
1832	842203.105	593194.53	66.1799	4337	842454.867	593658.9	64.9203
1833	842187.968	593198.08	66.2811	4338	842456.775	593661.85	64.8617
1834	842181.347	593201.21	66.3149	4339	842464.501	593662.91	61.8217
1835	842176.095	593203.4	67.2575	4340	842465.8	593653.51	60.9647
1836	842172.75	593205.64	70.2434	4341	842467.709	593656.12	60.9317
1837	842169.764	593200.25	70.1369	4342	842463.197	593656.47	60.9666
1838	842175.684	593196.47	66.3931	4343	842444.309	593664.37	69.5685
1839	842182.752	593192.23	66.363	4344	842444.948	593663	69.0673
1840	842189.841	593187.72	66.3345	4345	842447.29	593662.7	68.1829
1841	842196.157	593184.36	66.3048	4346	842450.622	593665.05	67.5368
1842	842201.2	593181.89	69.804	4347	842452.41	593662.83	65.9055
1843	842204.719	593179.99	71.7972	4348	842451.729	593667.43	67.5793
1844	842199.883	593174.53	71.2721	4349	842447.429	593669.01	69.412
1845	842193.735	593177.95	66.7854	4350	842444.961	593669.14	70.1915
1846	842186.189	593182	66.4026	4351	842440.213	593661.61	70.2744

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1847	842179.52	593185.76	66.4327	4352	842442.052	593664.63	70.2507
1848	842174.424	593189.13	66.4523	4353	842443.441	593661.4	69.2736
1849	842169.202	593191.76	67.2322	4354	842446.814	593659.01	67.6312
1850	842165.86	593193.61	70.1035	4355	842447.796	593658.2	66.7198
1851	842163.022	593188.9	70.1096	4356	842450.713	593656.27	66.0253
1852	842167.07	593186.68	66.8343	4357	842453.531	593654.43	64.3439
1853	842172.933	593183.1	66.5046	4358	842456.264	593652.21	62.6002
1854	842178.689	593178.74	66.4861	4359	842457.178	593656.69	63.3615
1855	842184.451	593175.65	66.4592	4360	842457.69	593653.74	62.3829
1856	842190.494	593172.17	67.0275	4361	842459.868	593651.95	61.0241
1857	842195.563	593168.4	71.1485	4362	842462.003	593650.45	61.0164
1858	842191.14	593163.41	70.6675	4363	842463.497	593647.59	61.0231
1859	842185.134	593166.65	66.5134	4364	842465.034	593645.88	61.0218
1860	842179.019	593170.08	66.541	4365	842465.277	593649.61	60.995
1861	842173.359	593173.47	66.5651	4366	842467.228	593651.1	60.969
1862	842162.6	593178.39	66.6211	4367	842468.671	593651.67	60.9533
1863	842159.13	593180.09	69.5098	4368	842470.081	593655.69	60.915
1864	842156.203	593175.02	69.462	4369	842475.836	593649.93	60.9058
1865	842161.1	593171.39	66.68	4370	842471.476	593643.13	60.987
1866	842166.295	593166.82	66.6675	4371	842467.466	593644.52	61.0107
1867	842171.639	593161.71	66.6574	4372	842468.861	593643.13	61.0085
1868	842177.398	593157.16	66.6402	4373	842471.476	593637.89	61.0217
1869	842180.77	593154.66	67.784	4374	842473.22	593639.11	60.9992
1870	842183.258	593152.59	70.3388	4375	842475.313	593636.49	60.9994
1871	842179.355	593147.2	70.1836	4376	842480.37	593634.57	61.4064
1872	842172.254	593151.43	66.7207	4377	842477.677	593635.54	60.9862
1873	842166.876	593154.55	66.7443	4378	842477.882	593639.37	60.9591
1874	842162.621	593157.57	66.7593	4379	842485.708	593633.75	63.8638
1875	842157.623	593161.26	66.776	4380	842489.536	593630.36	65.9256
1876	842153.03	593163.94	66.9998	4381	842495.442	593627.73	69.326
1877	842149.907	593165.68	69.758	4382	842498.257	593625.7	70.5598
1878	842147.837	593160.9	69.4162	4383	842499.371	593626.65	70.6899
1879	842150.436	593158.91	66.8509	4384	842500.265	593628.2	70.653
1880	842159.079	593151.47	66.829	4385	842493.304	593626.72	68.7041
1881	842164.386	593147.49	66.8118	4386	842484.504	593631.6	63.9505
1882	842169.883	593143	66.7963	4387	842481.611	593637.51	61.1195
1883	842173.289	593140.42	69.5087	4388	842476.328	593638.68	60.9765
1884	842169.525	593136.05	68.1935	4389	842474.545	593641.29	60.9739
1885	842162.994	593139.8	66.8743	4390	842474.613	593644.45	60.9523
1886	842157.147	593142.53	66.9044	4391	842474.202	593646.16	60.9443
1887	842151.321	593145.45	66.933	4392	842472.144	593645.82	60.9636
1888	842144.698	593149.69	66.9594	4393	842469.263	593645.75	60.9878
1889	842142.046	593151.1	69.3773	4394	842469.4	593648.29	60.9698
1890	842142.338	593146.01	67.0033	4395	842470.703	593651.04	60.9408
1891	842153.619	593140.18	66.9491	4396	842471.458	593654.95	60.9085

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1892	842158.342	593136.8	66.9326	4397	842474.27	593654.06	60.8913
1893	842162.947	593133.77	66.9148	4398	842476.809	593652.55	60.8804
1894	842166.174	593131.55	68.0178	4399	842478.798	593648.77	60.8891
1895	842162.949	593126.86	67.952	4400	842482.64	593647.54	60.8656
1896	842158.576	593128.62	66.985	4401	842485.521	593645.75	60.8537
1897	842153.878	593129.61	67.0172	4402	842487.373	593643.14	61.9848
1898	842149.849	593130.31	67.0457	4403	842441.611	593660.46	69.7266
1899	842143.833	593133.81	67.072	4404	842442.435	593658.4	69.0183
1900	842138.744	593136.4	67.0968	4405	842443.809	593656.61	68.1724
1901	842135.884	593138.56	67.8416	4406	842445.046	593655.37	67.5923
1902	842133.699	593131.15	67.1732	4407	842447.244	593653.38	66.0242
1903	842140.503	593126.53	67.1479	4408	842450.83	593651.31	64.6987
1904	842145.695	593122.57	67.1314	4409	842452.685	593648.22	63.1071
1905	842150.879	593119.01	67.1123	4410	842455.158	593646.29	61.5511
1906	842156.564	593115.16	68.506	4411	842457.855	593645.05	61.0865
1907	842153.502	593110.42	68.5248	4412	842463.851	593637.96	61.0842
1908	842147.705	593113.48	67.1752	4413	842466.049	593636.51	61.0756
1909	842140.21	593116.43	67.2174	4414	842472.369	593631.84	61.0546
1910	842133.299	593119.93	67.2511	4415	842469.432	593634.65	61.0601
1911	842128.88	593122.9	67.2678	4416	842470.532	593636.3	61.0401
1912	842123.154	593118.79	68.2192	4417	842472.73	593635.27	61.0288
1913	842128.985	593114.18	67.3248	4418	842474.173	593634.03	61.0251
1914	842135.912	593109.85	67.2965	4419	842476.44	593632.59	61.016
1915	842143.081	593105.85	67.264	4420	842477.882	593631.28	61.2689
1916	842149.038	593101.95	68.9942	4421	842480.218	593629.43	62.7549
1917	842143.007	593098.42	67.3832	4422	842482.98	593629.35	63.9299
1918	842137.122	593101.88	67.3395	4423	842486.071	593627.29	65.7885
1919	842131.034	593105.21	67.3676	4424	842489.676	593625.75	67.6236
1920	842124.834	593108.5	67.3969	4425	842494.201	593624.11	69.7588
1921	842119.471	593111.44	67.8935	4426	842496.136	593621.79	70.6857
1922	842115.201	593106.84	68.5611	4427	842496.904	593624.19	70.4669
1923	842128.925	593097.19	67.4383	4428	842467.49	593637.22	61.0591
1924	842134.292	593093.31	67.4198	4429	842469.901	593640.25	61.019
1925	842137.594	593089.9	67.4557	4430	842471.209	593641.01	61.0032
1926	842142.092	593085.8	71.4418	4431	842464.874	593642.39	61.0463
1927	842138.07	593079.98	71.3572	4432	842461.981	593645.7	61.0482
1928	842131.492	593083.65	67.5071	4433	842459.415	593648.26	61.0523
1929	842124.322	593087.04	67.5436	4434	842456.178	593649.64	61.9746
1930	842117.744	593092.37	67.5624	4435	842459.002	593645.71	61.0727
1931	842111.567	593096.34	67.587	4436	842460.172	593644.05	61.074
1932	842106.137	593090.82	68.3113	4437	842460.517	593643.3	61.0762
1933	842112.859	593084.51	67.6549	4438	842463.96	593640.4	61.067
1934	842117.955	593079.45	67.6466	4439	842460.31	593640.26	61.098
1935	842122.966	593074.49	67.6382	4440	842457.487	593642.61	61.1058
1936	842127.847	593069.97	69.8263	4441	842455.478	593641.92	61.1269

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1937	842130.584	593067.44	71.6664	4442	842449.625	593647.02	64.1119
1938	842125.67	593062.18	71.053	4443	842446.155	593650.96	66.0651
1939	842121.182	593064.14	67.7217	4444	842444.296	593652.54	67.4484
1940	842112.722	593067.3	67.7704	4445	842442.161	593655.37	68.501
1941	842106.941	593070.57	67.7963	4446	842440.784	593656.34	69.1813
1942	842099.605	593073.73	67.8358	4447	842439.2	593653.79	69.2215
1943	842097.425	593074.93	67.9387	4448	842440.99	593652.61	68.354
1944	842092.535	593066.94	67.977	4449	842442.299	593651.37	67.6954
1945	842096.088	593063.84	67.9305	4450	842444.158	593650.06	67.2269
1946	842102.092	593059.08	67.9127	4451	842445.948	593648.27	66.01
1947	842108.245	593054.6	67.8917	4452	842448.152	593646.41	64.5861
1948	842114.798	593053.41	67.9325	4453	842449.667	593644.41	63.4222
1949	842109.215	593044.57	68.0208	4454	842451.664	593642.76	62.1401
1950	842105.774	593046.87	67.9634	4455	842439.475	593650.75	68.5098
1951	842099.144	593050.15	67.9963	4456	842441.679	593647.93	67.4665
1952	842091.552	593053.69	68.0354	4457	842443.882	593646.2	66.877
1953	842085.374	593055.12	68.0768	4458	842446.293	593644.55	64.9045
1954	842078.228	593058.79	72.5084	4459	842438.442	593648.48	68.4121
1955	842078.859	593050.56	69.6819	4460	842442.436	593646.07	67.1393
1956	842083.4	593047.08	68.1465	4461	842446.637	593642	64.1006
1957	842091.288	593041.41	68.1191	4462	842449.736	593639.52	62.1333
1958	842099.766	593036.49	68.082	4463	842451.48	593638.27	64.849
1959	842102.954	593034.54	68.1529	4464	842456.507	593634.34	61.1688
1960	842104.246	593022.9	72.867	4465	842460.57	593632.06	61.1504
1961	842095.567	593024.66	68.1952	4466	842462.911	593629.31	61.1494
1962	842087.715	593028.47	68.2346	4467	842452.72	593641.71	61.4188
1963	842082.943	593030.82	68.2583	4468	842456.163	593638.06	61.1469
1964	842076.561	593033.79	68.2912	4469	842460.432	593635.1	61.1314
1965	842071.848	593038.09	69.4656	4470	842462.36	593632.68	61.1315
1966	842064.582	593029.01	71.1798	4471	842462.517	593633.92	61.122
1967	842068.179	593026.08	68.4115	4472	842466.786	593630.47	61.1097
1968	842074.936	593021.87	68.3838	4473	842470.023	593628.82	61.094
1969	842079.098	593018.44	68.3723	4474	842471.675	593627.09	61.0918
1970	842085.033	593014.69	68.3483	4475	842471.184	593629.51	61.0798
1971	842089.502	593011.15	68.962	4476	842475.6	593626.47	61.635
1972	842085.96	593001.94	70.0423	4477	842479.624	593626.18	65.1522
1973	842080.229	593005.44	68.4493	4478	842484.177	593622.93	66.8691
1974	842073.869	593008.99	68.4781	4479	842486.247	593620.65	67.6343
1975	842066.295	593012.35	68.5183	4480	842490.4	593621.06	69.0173
1976	842060.388	593015.29	69.5382	4481	842494.85	593619.19	70.8019
1977	842053.531	593010.72	70.2988	4482	842493.379	593617.15	70.7694
1978	842061.554	593005.27	68.6044	4483	842490.723	593617.82	69.9441
1979	842069.308	593000.21	68.5741	4484	842487.404	593622.36	67.6324
1980	842075.881	592995.58	68.5507	4485	842484.196	593622.92	66.8752
1981	842083.328	592989.8	73.1985	4486	842477.226	593625.24	64.6103

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U.S. AIR FORCE
HAFS
AIR FORCE HEADQUARTERS
WASHINGTON, D.C. 20330

P	N	E	Z	P	N	E	Z
1982	842078.751	592984.3	72.7935	4487	842475.013	593625.46	61.6648
1983	842066.875	592991.13	68.6545	4488	842477.558	593622.25	63.6098
1984	842059.121	592994.69	68.6947	4489	842481.873	593619.59	66.0884
1985	842054.112	592999.13	68.7065	4490	842485.192	593617.6	67.9078
1986	842047.856	593003.17	70.8071	4491	842479.513	593621.78	64.5575
1987	842045.589	592992.69	69.0103	4492	842483.278	593625.33	65.159
1988	842052.294	592987.63	68.7979	4493	842481.063	593623.55	64.7193
1989	842059.383	592982.67	68.7724	4494	842435.457	593650.08	69.742
1990	842065.457	592978.1	68.7528	4495	842436.221	593648.48	69.1947
1991	842071.429	592973.43	72.7135	4496	842437.542	593646.88	68.4054
1992	842065.965	592966.17	72.4176	4497	842438.168	593645	67.8153
1993	842061.69	592968.73	68.9494	4498	842442.705	593641.94	65.771
1994	842058.764	592970.62	68.8576	4499	842447.85	593637.2	62.347
1995	842054.282	592973.22	68.8773	4500	842449.747	593635.25	61.2184
1996	842047.288	592975.08	68.9226	4501	842453.362	593632.4	61.2076
1997	842041.513	592977.51	68.954	4502	842455.726	593629.4	61.208
1998	842035.438	592979.8	70.0802	4503	842457.325	593627.6	61.2068
1999	842031.607	592974.06	70.2506	4504	842464.787	593625.22	61.1611
2000	842038.038	592969.2	69.0379	4505	842467.637	593622.72	61.1542
2001	842042.933	592966.72	69.014	4506	842471.253	593620.56	61.4379
2002	842048.015	592962.29	69.0016	4507	842479.894	593614.57	66.1016
2003	842053.386	592958.26	68.9841	4508	842484.799	593613.22	68.7918
2004	842058.355	592954.66	72.3921	4509	842487.687	593611.29	70.2889
2005	842053.763	592948.06	72.2831	4510	842489.485	593612.9	70.4838
2006	842045.997	592952.51	69.0832	4511	842478.731	593618.4	65.156
2007	842039.239	592956.85	69.1101	4512	842476.29	593620.15	63.6569
2008	842034.416	592959.82	69.1301	4513	842473.78	593622.1	62.0712
2009	842029.354	592963.16	69.1496	4514	842459.693	593626.55	61.1942
2010	842025.939	592965.74	70.5476	4515	842463.254	593623.68	61.1839
2011	842021.962	592959.58	70.6697	4516	842464.581	593623.06	61.1771
2012	842027.836	592953.64	69.2254	4517	842467.599	593620.88	61.1667
2013	842035.593	592948.64	69.1947	4518	842470.881	593617.81	62.0366
2014	842041.899	592944.21	69.1722	4519	842473.185	593616.41	63.3837
2015	842047.692	592940.42	71.8398	4520	842476.398	593613.47	65.5321
2016	842050.519	592938.82	73.4614	4521	842482.21	593608.92	68.87
2017	842045.356	592932.73	72.9726	4522	842485.377	593607.76	70.2961
2018	842038.565	592936.64	69.2499	4523	842433.267	593648.65	70.0771
2019	842032.323	592940.54	69.2755	4524	842433.57	593646.94	69.7476
2020	842024.563	592945.96	69.3034	4525	842434.807	593644.66	68.9165
2021	842020.62	592949.33	69.3135	4526	842435.824	593642.37	68.0954
2022	842012.738	592942.93	70.32	4527	842437.153	593640.25	67.5286
2023	842017.272	592938.83	69.4109	4528	842438.418	593638.46	67.115
2024	842021.753	592935.17	69.3982	4529	842440.973	593635.47	64.8504
2025	842027.522	592931	69.3785	4530	842443.026	593634.19	63.6395
2026	842033.443	592926.9	69.3569	4531	842447.877	593630.18	61.2676





P	N	E	Z	P	N	E	Z
2027	842038.364	592924.34	71.4382	4532	842451.462	593628.21	61.2511
2028	842035.247	592918.11	71.8589	4533	842454.861	593623.76	61.2526
2029	842029.597	592920.76	69.4294	4534	842458.025	593620.88	61.2457
2030	842024.28	592924.75	69.4467	4535	842463.789	593616.59	61.2266
2031	842018.734	592928.56	69.467	4536	842466.58	593614.16	61.2389
2032	842012.854	592931.96	69.493	4537	842468.473	593612	64.8932
2033	842008.897	592934.74	69.837	4538	842470.805	593610.24	64.0808
2034	842004.348	592937.38	72.5716	4539	842473.901	593608.38	65.8847
2035	842001.517	592930.57	72.8924	4540	842479.138	593604.11	68.8867
2036	842015.134	592923.76	69.5286	4541	842481.25	593602.39	70.1448
2037	842020.51	592920.46	69.5063	4542	842483.114	593604.29	70.3066
2038	842025.857	592915.84	69.4929	4543	842480.402	593606.41	68.7955
2039	842029.464	592913.46	70.6719	4544	842474.979	593611.27	65.5422
2040	842032.864	592910.93	73.727	4545	842472.041	593613.31	63.7552
2041	842026.044	592904.12	71.8466	4546	842468.99	593615.57	61.8589
2042	842020.184	592908.81	69.5863	4547	842466.129	593618.42	61.1952
2043	842016.017	592912.19	69.5983	4548	842462.852	593621.02	61.2049
2044	842011.06	592916.45	69.6108	4549	842459.236	593624.07	61.2145
2045	842006.453	592921.04	69.6183	4550	842455.959	593626.22	61.2272
2046	842003.826	592923.37	69.6244	4551	842450.423	593631.76	61.236
2047	842025.703	592900.95	72.6013	4552	842448.05	593634.25	61.5017
2048	842020.264	592902.76	69.7184	4553	842443.304	593638.44	64.6137
2049	842014.871	592906.96	69.6425	4554	842441.496	593640.02	65.7965
2050	842009.884	592911.64	69.6525	4555	842439.349	593642.17	67.3197
2051	842004.16	592917.08	69.6635	4556	842431.181	593646.06	70.235
2052	842000.777	592922.59	71.1566	4557	842431.375	593642.59	69.6509
2053	841999.488	592930.29	73.6904	4558	842433.094	593640.59	68.6953
2054	842002.911	592936.87	73.4872	4559	842438.287	593629.92	66.2659
2055	842005.619	592941.1	73.3953	4560	842443.893	593623.04	61.3478
2056	842008.154	592945.35	73.4267	4561	842445.159	593621.59	61.347
2057	842011.242	592950.42	73.3353	4562	842448.595	593618.7	61.3379
2058	842015.729	592956.16	73.2107	4563	842452.574	593615.98	61.3231
2059	842018.938	592962.07	73.0829	4564	842457.638	593612.36	61.3054
2060	842023.696	592969.9	72.893	4565	842460.893	593609.46	61.2978
2061	842027.564	592976.63	72.9464	4566	842462.701	593607.83	61.3515
2062	842031.066	592981.98	72.8138	4567	842471.02	593598.96	66.25
2063	842034.529	592983.89	72.4582	4568	842473.19	593597.15	68.4181
2064	842037.203	592989.86	72.8474	4569	842475.046	593596.95	69.1076
2065	842038.913	592994.99	73.4331	4570	842477.645	593593.34	70.7827
2066	842042.04	593000.14	73.4182	4571	842479.154	593596.76	70.5809
2067	842046.262	593004.98	72.8531	4572	842477.335	593599.33	69.4215
2068	842048.299	593009.71	73.1967	4573	842474.939	593601.24	68.1062
2069	842052.609	593016.64	73.1303	4574	842473.475	593602.58	67.5312
2070	842057.095	593020.49	72.1986	4575	842469.357	593609.4	63.7039
2071	842060.194	593026.6	72.4413	4576	842466.308	593612.24	61.6502

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P	N	E	Z	P	N	E	Z
2072	842063.859	593032.05	72.2723	4577	842454.466	593618.92	61.288
2073	842066.501	593038.86	72.8904	4578	842459.784	593614.66	61.2725
2074	842069.605	593044.76	73.0793	4579	842462.266	593611.25	61.2747
2075	842074.771	593053.04	72.9943	4580	842466.52	593606.78	65.4787
2076	842082.423	593065.73	72.4007	4581	842468.86	593604.65	66.313
2077	842088.115	593071.84	72.1104	4582	842434.591	593640.4	68.1303
2078	842090.603	593078.06	72.2589	4583	842436.634	593634.84	67.0785
2079	842095.38	593086.01	72.1752	4584	842439.131	593631.54	64.6291
2080	842099.533	593093.18	72.0612	4585	842443.361	593630.85	62.6372
2081	842103.162	593098.46	71.9487	4586	842445.403	593627.1	61.3084
2082	842106.178	593104.09	71.8444	4587	842449.148	593624.49	61.2949
2083	842111.655	593113.12	71.6331	4588	842451.872	593621.2	61.2943
2084	842116.574	593121.61	71.5195	4589	842429.33	593642	70.0765
2085	842121.737	593130.16	71.5202	4590	842428.167	593634.7	69.2346
2086	842137.689	593157.81	71.7089	4591	842430.165	593630.88	67.8711
2087	842146.683	593172.95	71.8152	4592	842432.163	593628.16	67.2371
2088	842142.414	593166.02	71.8175	4593	842435.251	593625.79	64.8131
2089	842149.47	593177.98	71.769	4594	842436.522	593623.79	63.7533
2090	842153.918	593185.98	71.6671	4595	842437.612	593622.34	62.9117
2091	842158.605	593194.22	71.589	4596	842441.789	593617.06	61.4049
2092	842163.595	593202.85	71.6754	4597	842443.242	593615.43	61.4038
2093	842167.914	593210.28	71.6991	4598	842447.42	593611.97	61.3923
2094	842171.143	593215.81	71.7448	4599	842450.507	593608.7	61.3885
2095	842184.743	593214.97	66.5264	4600	842453.958	593606.52	61.3746
2096	842177.273	593226.2	71.7537	4601	842459.407	593601.25	61.7807
2097	842197.524	593238.26	67.0377	4602	842457.954	593605.07	61.3513
2098	842198.403	593235.79	67.0014	4603	842461.587	593603.61	62.0439
2099	842198.371	593235.78	66.0353	4604	842464.674	593598.7	64.6815
2100	842203.122	593232.81	65.9255	4605	842468.812	593595.29	66.2897
2101	842209.666	593229.52	65.8934	4606	842471.887	593591.95	69.1441
2102	842216.696	593231.07	65.8251	4607	842475.033	593589.45	70.7731
2103	842212.5	593232.21	65.8521	4608	842472.804	593594.58	68.8446
2104	842206.515	593235.24	65.8813	4609	842466.652	593600.96	64.8878
2105	842201.502	593237.44	65.9081	4610	842464.003	593602.23	63.4333
2106	842198.796	593239.01	66.6845	4611	842461.041	593606.9	61.3136
2107	842201.074	593244.32	67.076	4612	842458.877	593607.93	61.3247
2108	842206.252	593241.53	65.8417	4613	842455.687	593609.64	61.3396
2109	842212.146	593238.76	65.8115	4614	842455.003	593610.33	61.3407
2110	842216.464	593236.92	65.7882	4615	842452.497	593613.06	61.3432
2111	842218.258	593236.24	65.7779	4616	842447.337	593615.13	61.372
2112	842219.616	593240.97	65.7353	4617	842443.919	593619.92	61.3684
2113	842214.593	593243.14	65.7622	4618	842440.958	593622.31	61.4701
2114	842208.744	593245.54	65.7945	4619	842439.135	593624.93	65.6669
2115	842203.603	593247.99	66.9343	4620	842436.401	593629.04	66.5183
2116	842201.373	593249.72	69.3135	4621	842434.236	593632.23	67.2644

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P	N	E	Z	P	N	E	Z
2117	842199.876	593250.8	70.232	4622	842432.755	593632.92	67.6016
2118	842206.038	593254.61	68.57	4623	842424.753	593632.39	69.7953
2119	842212.513	593252.28	65.7187	4624	842423.931	593629.65	69.593
2120	842218.406	593249.9	65.6859	4625	842426.667	593626.91	68.1825
2121	842222.617	593247.11	65.6697	4626	842429.062	593624.4	67.4288
2122	842221.217	593243.34	65.7063	4627	842430.202	593621.88	65.9727
2123	842220.414	593242.97	65.7154	4628	842434.421	593617.2	62.9592
2124	842220.286	593240.45	65.7332	4629	842437.522	593614.45	61.4574
2125	842219.206	593238.88	65.7525	4630	842444.934	593607.03	61.4456
2126	842218.415	593236.04	65.7779	4631	842448.697	593603.27	61.4396
2127	842218.58	593233.17	65.7956	4632	842452.949	593600.28	61.4243
2128	842217.118	593231.44	65.8192	4633	842458.764	593595.15	63.185
2129	842218.688	593229.99	65.8159	4634	842462.641	593591.61	66.8607
2130	842215.963	593227.69	65.8536	4635	842473.528	593586.38	70.9134
2131	842215.555	593224.95	65.8752	4636	842466.364	593590.41	66.5969
2132	842213.211	593222.8	65.9088	4637	842461.254	593596.98	63.7222
2133	842213.493	593217.3	65.943	4638	842467.824	593592.78	66.5554
2134	842210.629	593210.85	66.0095	4639	842470.379	593589.86	69.0845
2135	842210.069	593204.14	66.4283	4640	842464.904	593588.58	66.4797
2136	842209.501	593185.24	72.2119	4641	842460.342	593591.32	64.8939
2137	842205.107	593179.5	72.0941	4642	842455.583	593593.83	62.2165
2138	842199.13	593171.43	71.808	4643	842451.788	593596.17	61.4613
2139	842192.863	593163.39	71.393	4644	842445.657	593601.43	61.4769
2140	842186.754	593155.67	70.9568	4645	842438.358	593606.69	61.5021
2141	842182.213	593148.72	70.9619	4646	842432.811	593610.19	61.8455
2142	842178.449	593143.59	70.7948	4647	842426.389	593616.33	66.1789
2143	842175.262	593139.96	70.4591	4648	842422.885	593620.42	68.1986
2144	842171.712	593135.34	70.2417	4649	842419.685	593623.68	69.7706
2145	842167.01	593129.04	70.0041	4650	842419.9	593625.55	69.9939
2146	842164.255	593121.06	71.0402	4651	842421.179	593628.38	70.0987
2147	842161.261	593116.4	71.0665	4652	842421.794	593629.84	70.1834
2148	842156.764	593110.93	70.6849	4653	842423.305	593631.51	70.0268
2149	842154.556	593106.01	71.1112	4654	842423.371	593626.75	69.3027
2150	842150.444	593099.62	71.1432	4655	842428.414	593620.78	66.4559
2151	842147.181	593094.84	71.0899	4656	842430.822	593616.54	64.3311
2152	842143.759	593087.49	71.6748	4657	842425.319	593619.18	67.5922
2153	842141.357	593079.6	72.6898	4658	842424.632	593623.42	68.1924
2154	842135.599	593072.68	72.3253	4659	842426.351	593623.77	67.8595
2155	842129.833	593063.53	72.4225	4660	842426.81	593622.62	67.6624
2156	842124.691	593056.09	72.3145	4661	842418.212	593621.47	69.8112
2157	842119.777	593048.5	72.3399	4662	842421.078	593618.49	68.4426
2158	842114.229	593041.31	71.994	4663	842423.141	593615.62	67.6357
2159	842109.994	593033.3	72.4189	4664	842426.351	593612.52	65.2148
2160	842106.828	593024.27	73.3813	4665	842427.727	593611.6	64.3887
2161	842085.444	592991.25	72.8502	4666	842430.846	593608.26	62.1908

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P	N	E	Z	P	N	E	Z
2162	842080.281	592984.71	73.3193	4667	842433.368	593606.19	61.5465
2163	842076.234	592979.23	73.1307	4668	842436.234	593603.1	61.5435
2164	842071.77	592972.58	73.0887	4669	842439.017	593600.33	61.5389
2165	842067.31	592964.89	73.3325	4670	842442.341	593597.12	61.5328
2166	842062.928	592956.28	73.8564	4671	842447.156	593593.9	61.5145
2167	842055.906	592948.75	72.9889	4672	842448.646	593591.84	61.5159
2168	842051.255	592937.03	74.2358	4673	842449.923	593592.06	61.5039
2169	842046.973	592931.34	73.5067	4674	842451.757	593587.47	62.3596
2170	842041.128	592921.27	73.6785	4675	842453.133	593587.13	65.5694
2171	842034.825	592910.85	73.6838	4676	842456.572	593585.75	64.845
2172	842214.541	593189.16	72.3103	4677	842459.094	593583.34	66.5178
2173	842975.005	594564.31	70.3954	4678	842460.584	593582.19	67.7645
2174	842978.572	594570.29	70.3173	4679	842467.104	593577.09	70.8435
2175	842967.144	594551.38	70.5505	4680	842464.432	593578.95	69.5372
2176	842964.664	594547.41	70.5918	4681	842461.507	593585.17	66.4466
2177	842962.633	594542.82	70.4891	4682	842463.223	593583.84	67.1076
2178	842956.142	594533.93	70.7762	4683	842466.719	593584.49	69.0436
2179	842952.626	594528.45	70.8757	4684	842470.066	593582.13	70.743
2180	842951.398	594524.52	70.7125	4685	842468.941	593580.61	70.7117
2181	842947.896	594520.4	70.9401	4686	842456.207	593589.96	65.796
2182	842946.989	594516.06	70.7299	4687	842454.713	593591.11	62.5971
2183	842943.66	594508.03	70.5451	4688	842450.232	593594.68	61.484
2184	842939.478	594501.03	70.5367	4689	842448.278	593598.13	61.4771
2185	842937.515	594497.1	70.3677	4690	842454.943	593598.25	61.4214
2186	842934.272	594491.12	70.2204	4691	842423.973	593633.99	70.2751
2187	842929.84	594483.15	70.0709	4692	842425.192	593636.17	70.2959
2188	842927.52	594477.74	69.6723	4693	842427.207	593639.39	70.2535
2189	842924.185	594473.86	69.8575	4694	842415.261	593619.29	70.2977
2190	842917.008	594460.93	69.6078	4695	842416.501	593621.45	70.3088
2191	842913.872	594455.63	69.5896	4696	842416.445	593618.62	69.8303
2192	842920.08	594466.12	69.6256	4697	842417.712	593616.04	69.1289
2193	842910.744	594448.95	69.459	4698	842419.613	593612.73	67.9913
2194	842907.317	594443.19	69.4461	4699	842421.57	593610.51	66.566
2195	842905.296	594439.11	69.2615	4700	842423.199	593608.24	65.4658
2196	842902.133	594434.1	69.3286	4701	842425.914	593605.03	66.0253
2197	842900.43	594431.04	69.2739	4702	842427.785	593601.36	61.7282
2198	842896.273	594423.26	69.0527	4703	842429.865	593598.01	61.6298
2199	842891.922	594417.89	69.2911	4704	842435.182	593592.45	61.6228
2200	842890.171	594412.55	68.9145	4705	842440.057	593588.28	61.6104
2201	842885.218	594404.5	68.9663	4706	842443.756	593583.65	61.6106
2202	842879.978	594396.91	69.0151	4707	842446.992	593581.34	62.0495
2203	842874.688	594387.94	68.9747	4708	842449.552	593579.94	65.8404
2204	842869.437	594378.7	68.8494	4709	842452.904	593576.24	65.9198
2205	842856.77	594356.33	68.5245	4710	842454.787	593574.55	66.5743
2206	842846.976	594340.28	68.5942	4711	842456.403	593573.24	68.21

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2207	842838.035	594325.49	68.623	4712	842458.567	593572.33	69.0199
2208	842834.078	594318.86	68.6143	4713	842460.977	593570.18	70.4248
2209	842849.953	594343.46	68.3815	4714	842462.026	593569.59	70.8152
2210	842830.167	594309.28	68.252	4715	842460.538	593573.33	69.4407
2211	842824.939	594299.98	68.3793	4716	842459.145	593574.93	68.651
2212	842819.127	594291.81	68.5051	4717	842463.86	593571.85	70.9041
2213	842815.185	594283.18	68.367	4718	842465.272	593573.7	70.9528
2214	842812.106	594274.99	68.0752	4719	842460.223	593578.34	68.2907
2215	842806.174	594267.25	68.3791	4720	842454.861	593582.81	64.937
2216	842804.842	594263.59	68.2547	4721	842449.798	593587.28	61.5928
2217	842799.727	594256.79	68.4521	4722	842443.245	593593.54	61.5491
2218	842794.839	594248.73	68.4755	4723	842436.99	593597.72	61.573
2219	842797.513	594253.14	68.4627	4724	842435.108	593600.43	61.5704
2220	842789.533	594239.92	68.4826	4725	842428.257	593606.4	65.7633
2221	842783.373	594229.57	68.4615	4726	842425.874	593608.19	64.3038
2222	842787.417	594236.36	68.4754	4727	842422.002	593614.15	67.6972
2223	842779.595	594223.28	68.463	4728	842420.083	593616.8	68.4501
2224	842773.898	594213.88	68.4862	4729	842418.94	593617.85	69.0661
2225	842776.212	594217.7	68.4768	4730	842418.208	593618.72	69.4036
2226	842762.464	594194.55	68.4165	4731	842417.933	593618.95	69.5064
2227	842768.998	594205.68	68.4773	4732	842417.674	593619.26	69.6167
2228	842766.092	594200.73	68.4503	4733	842413.842	593616.19	70.1571
2229	842772.339	594196.58	64.9516	4734	842414.446	593613.77	69.6098
2230	842760.242	594187.12	67.7054	4735	842414.365	593612.4	69.4265
2231	842755.351	594180.22	68.025	4736	842416.716	593606.44	67.8945
2232	842748.02	594170.41	68.3976	4737	842417.156	593604.68	66.6135
2233	842744.579	594164.86	68.4453	4738	842418.268	593601.73	65.904
2234	842738.155	594154.38	68.5054	4739	842421.721	593596.21	65.909
2235	842735.12	594148.43	68.506	4740	842425.541	593590.26	61.7169
2236	842728.415	594138.19	68.5156	4741	842427.912	593590.91	61.693
2237	842721.908	594127.49	68.5523	4742	842430.85	593597.16	61.6273
2238	842724.776	594132.21	68.5361	4743	842431.732	593597.38	61.6185
2239	842716.95	594119.14	68.5297	4744	842434.009	593590.03	61.6486
2240	842713.942	594113.97	68.4887	4745	842433.232	593585.5	61.6851
2241	842711.316	594109.45	68.453	4746	842437.095	593580.94	61.6836
2242	842705.715	594100.08	68.4418	4747	842439.303	593579.19	61.677
2243	842701.312	594092.8	68.4571	4748	842445.348	593576.7	62.6352
2244	842707.724	594103.4	68.4348	4749	842448.061	593572.09	66.6221
2245	842697.088	594085.7	68.4428	4750	842452.476	593567.58	68.195
2246	842691.713	594076.53	68.3863	4751	842452.954	593569.78	67.958
2247	842694.043	594080.5	68.4108	4752	842454.794	593568.54	68.6166
2248	842677.474	594051.82	68.1361	4753	842456.495	593566.97	69.4995
2249	842674.546	594046.63	68.0558	4754	842459.992	593566.05	69.3156
2250	842671.599	594041.41	67.9751	4755	842459.822	593567.95	70.5135
2251	842667.176	594033.71	67.89	4756	842457.456	593569.34	69.3033

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P	N	E	Z	P	N	E	Z
2252	842664.61	594029.33	67.865	4757	842453.457	593572.75	67.6141
2253	842660.652	594022.58	67.8264	4758	842446.752	593580.29	62.2374
2254	842655.57	594014.07	67.8151	4759	842444.164	593581.23	61.6234
2255	842647.281	594000.36	67.842	4760	842439.93	593582.76	61.6481
2256	842639.409	593987.64	67.9438	4761	842443.576	593577.93	61.6501
2257	842643.001	593993.45	67.8973	4762	842445.929	593574.87	65.8116
2258	842636.78	593981.43	67.7206	4763	842450.281	593571.93	67.0902
2259	842632.544	593974.4	67.7284	4764	842447.693	593577.46	63.406
2260	842626.134	593965.87	68.0353	4765	842448.516	593569.45	65.9463
2261	842622.566	593960.23	68.1138	4766	842451.457	593566.51	66.9204
2262	842613.652	593945.77	68.2153	4767	842452.398	593564.04	68.0559
2263	842610.188	593938.28	68.0208	4768	842445.34	593571.1	64.1661
2264	842611.862	593933.04	67.0355	4769	842442.4	593574.64	61.9675
2265	842607.153	593930.43	67.7509	4770	842438.4	593577.34	61.6967
2266	842599.452	593920.86	68.142	4771	842436.475	593578.19	61.707
2267	842591.396	593910.09	68.5776	4772	842432.24	593582.31	61.7145
2268	842558.019	593859.06	69.7616	4773	842429.182	593585.96	61.7155
2269	842562.299	593865.44	69.5669	4774	842425.653	593589.73	61.7195
2270	842549.065	593845.63	70.1446	4775	842421.183	593593.26	65.7261
2271	842545.175	593837.09	69.8615	4776	842419.301	593594.91	66.2304
2272	842515.061	593791.57	70.8166	4777	842416.83	593597.5	65.4314
2273	842521.73	593802.92	70.8761	4778	842415.066	593599.38	66.6728
2274	842529.128	593811.83	70.2432	4779	842413.066	593601.03	68.0218
2275	842507.751	593778.86	70.6791	4780	842411.184	593603.27	68.838
2276	842502.545	593769.81	70.5842	4781	842410.243	593604.09	69.2249
2277	842494.783	593757.08	70.6355	4782	842409.321	593604.56	69.5253
2278	842484.081	593740.18	70.8768	4783	842409.519	593609.66	70.326
2279	842476.064	593726.82	70.8779	4784	842411.258	593611.86	70.1721
2280	842465.16	593704.83	70.4343	4785	842412.43	593614.35	70.2734
2281	842469.534	593696.58	67.2228	4786	842414.087	593609.32	69.0385
2282	842483.095	593692.15	61.3713	4787	842412.01	593606.1	69.0815
2283	842491.95	593691.87	61.1832	4788	842413.898	593607.05	68.65
2284	842504.68	593688.27	60.9325	4789	842418.81	593606.48	66.6069
2285	842512.706	593681.63	63.0067	4790	842420.321	593606.48	66.2468
2286	842523.726	593679.41	67.1423	4791	842421.832	593601.57	64.3338
2287	842530.946	593675.35	71.2768	4792	842422.776	593598.92	63.2476
2288	842504.68	593688.27	60.9325	4793	842425.799	593598.54	61.8543
2289	842504.127	593699.9	60.8708	4794	842426.176	593596.08	61.673
2290	842511.876	593708.76	60.7915	4795	842425.043	593592.87	61.7037
2291	842527.373	593721.78	60.4995	4796	842424.476	593592.87	61.7084
2292	842513.259	593703.5	60.7743	4797	842432.032	593592.87	61.6461
2293	842504.127	593705.99	60.7543	4798	842436.755	593604.02	61.533
2294	842521.562	593720.39	60.6259	4799	842436.755	593608.18	61.5054
2295	842517.41	593707.1	60.6897	4800	842440.343	593608.75	61.472
2296	842509.939	593715.41	60.6694	4801	842441.666	593604.02	61.4925

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P	N	E	Z	P	N	E	Z
2297	842492.227	593683.84	61.0394	4802	842439.399	593594.95	61.5715
2298	842496.354	593678.25	60.5485	4803	842435.999	593587.01	61.6523
2299	842506.87	593671.88	63.2385	4804	842434.866	593583.79	61.683
2300	842515.172	593666.62	67.0732	4805	842440.155	593586.44	61.6218
2301	842519.877	593666.07	69.1924	4806	842442.988	593588.14	61.5871
2302	842524.581	593675.48	68.5778	4807	842445.066	593590.22	61.5562
2303	842653.241	593873.3	68.1249	4808	842446.577	593588.52	61.555
2304	842643.813	593855.65	68.7765	4809	842446.766	593585.49	61.5736
2305	842623.367	593815.87	70.0568	4810	842449.12	593583.71	62.2876
2306	842690.755	593922.38	69.0246	4811	842451.489	593581.94	63.766
2307	842676.777	593901.04	69.0326	4812	842455.215	593578.62	66.2348
2308	842708.104	593949.52	68.8359	4813	842457.161	593579.64	66.5462
2309	842697.508	593932.85	68.978	4814	842454.279	593563.8	68.9603
2310	842721.931	593970.79	68.7839	4815	842455.527	593565.13	69.5817
2311	842732.047	593985.97	68.8512	4816	842456.098	593561.49	69.3488
2312	842743.491	594003.65	68.7883	4817	842458.241	593563.31	69.3553
2313	842767.177	594038.56	69.1172	4818	842003.452	592909.61	69.719
2314	842776.344	594052.62	69.0953	4819	841996.747	592914.67	69.8768
2315	842808.004	594100.54	69.1927	4820	842010.541	592904.65	69.6935
2316	842796.325	594082.91	69.1437	4821	842016.615	592900.07	69.6738
2317	842820.181	594119.56	69.0676	4822	842012.848	592890.71	69.9263
2318	842841.338	594151.38	69.1864	4823	842009.922	592892.6	69.7787
2319	842831.179	594136.27	69.0836	4824	842005.44	592895.19	69.7984
2320	842865.916	594188.01	69.4176	4825	841998.446	592897.06	69.8436
2321	842877.064	594204.89	69.4507	4826	841992.671	592899.49	69.8751
2322	842887.586	594221.28	69.3557	4827	841989.196	592891.18	69.9589
2323	842907.816	594253.46	68.99	4828	841994.091	592888.7	69.9351
2324	842931.674	594285.71	69.0411	4829	841999.173	592884.27	69.9226
2325	842961.759	594331.04	69.4363	4830	842004.544	592880.24	69.9052
2326	842954.668	594318.5	69.662	4831	841997.155	592874.49	70.0043
2327	843000.162	594384.4	70.6131	4832	841990.397	592878.83	70.0311
2328	842989.026	594367.78	70.5151	4833	841985.574	592881.79	70.0512
2329	843024.115	594421.03	70.5823	4834	841980.512	592885.14	70.0707
2330	843010.091	594399.36	70.6637	4835	841978.994	592875.62	70.1464
2331	843044.863	594452.53	70.6198	4836	841986.751	592870.61	70.1158
2332	843033.03	594434.61	70.5864	4837	841993.057	592866.19	70.0932
2333	843066.498	594485.91	70.5109	4838	841989.723	592858.62	70.171
2334	843032.359	594535.86	50.411	4839	841983.481	592862.52	70.1965
2335	843025.699	594530.93	51.0495	4840	841975.721	592867.93	70.2245
2336	843020.486	594514.71	50.6699	4841	841971.778	592871.3	70.2346
2337	843020.486	594512.1	50.6872	4842	841968.43	592860.8	70.3319
2338	843032.069	594511.52	52.5773	4843	841972.911	592857.15	70.3193
2339	843034.965	594520.5	51.4943	4844	841978.68	592852.97	70.2995
2340	843037.571	594523.11	50.716	4845	841984.601	592848.88	70.2779
2341	843041.046	594526.59	51.2155	4846	841980.755	592842.74	70.3504



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2342	843043.073	594530.35	51.0301	4847	841975.438	592846.72	70.3678
2343	843043.902	594534.05	50.437	4848	841969.892	592850.54	70.3881
2344	843034.336	594540.05	50.411	4849	841964.012	592853.93	70.414
2345	843027.273	594544.49	50.452	4850	841966.292	592845.74	70.462
2346	843022.224	594531.51	50.9981	4851	841971.668	592842.43	70.468
2347	843024.54	594518.19	51.1467	4852	841977.015	592837.82	70.464
2348	843029.173	594517.9	51.0429	4853	842427.983	593583.64	61.7408
2349	842212.513	593252.28	65.7187	4854	842431.308	593580.42	61.7347
2350	842220.414	593242.97	65.7154	4855	842436.122	593577.21	61.7164
2351	842227.904	593310.64	72.2851	4856	841961.649	592849.51	70.463
2352	842229.598	593310.13	71.6731	4857	842437.612	593575.14	61.7178
2353	842231.348	593309.09	71.0981	4858	842418.832	593581.31	61.8317
2354	842232.966	593308.56	70.9059	4859	842432.722	593566.96	61.8125
2355	842234.929	593307.34	69.7502	4860	842438.764	593570.59	61.7386
2356	842236.573	593306.07	68.7173	4861	842432.211	593576.85	61.751
2357	842238.721	593304.93	67.5025	4862	842422.334	593589.5	61.7484
2358	842240.352	593303.06	65.3465	4863	842425.956	593581.02	61.7749
2359	842241.846	593302.04	65.1462	4864	842424.074	593583.74	61.7723
2360	842244.358	593300.55	65.1355	4865	842422.976	593573.34	61.8505
2361	842245.988	593299.32	65.1302	4866	842428.269	593562.5	61.8789
2362	842248.635	593298.17	65.116	4867	842433.13	593564.53	61.8252
2363	842249.993	593296.74	65.1143	4868	842428.896	593566.06	61.85
2364	842253.388	593293.89	65.1052	4869	842432.542	593561.24	61.852
2365	842256.987	593289.95	65.1017	4870	842425.441	593561.49	61.9089
2366	842261.4	593286.62	65.2709	4871	842421.206	593565.61	61.9164
2367	842263.233	593284.11	67.7105	4872	842418.148	593569.26	61.9174
2368	842264.871	593282.22	68.913	4873	842414.619	593573.03	61.9214
2369	842267.149	593280.11	70.4438	4874	842415.143	593579.39	61.8749
2370	842269.728	593277.02	71.2918	4875	842413.443	593576.17	61.9102
2371	842271.272	593275.54	72.0952	4876	842420.998	593576.17	61.8479
2372	842251.842	593291.5	65.1339	4877	842425.721	593587.33	61.7349
2373	842254.862	593290.88	65.1131	4878	842428.365	593578.25	61.7734
2374	842254.793	593293.44	65.0967	4879	842424.965	593570.31	61.8542
2375	842258.393	593295.24	65.055	4880	842429.121	593569.74	61.8237
2376	842263.585	593294.41	65.0177	4881	842431.954	593571.45	61.789
2377	842267.323	593290.04	67.7926	4882	842434.032	593573.53	61.7581
2378	842271.961	593281.46	71.0078	4883	842435.543	593571.82	61.7569
2379	842273.761	593281.04	71.8745	4884	842435.732	593568.8	61.7755
2380	842274.661	593283.88	71.472	4885	842408.918	593600.18	68.4426
2381	842274.592	593288.24	70.9771	4886	842410.982	593597.31	67.6357
2382	842271.615	593291.22	69.2645	4887	842414.191	593594.21	66.7186
2383	842266.977	593296.69	64.9746	4888	842418.686	593589.95	65.5059
2384	842260.193	593301.47	64.9988	4889	842405.553	593597.73	69.1289
2385	842253.893	593305.28	65.0254	4890	842407.453	593594.42	67.9913
2386	842244.824	593312.35	65.8185	4891	842409.411	593592.2	67.4149

Handwritten signature and initials in blue ink.

P	N	E	Z	P	N	E	Z
2387	842241.155	593314.63	68.9567	4892	842411.04	593589.93	65.9685
2388	842233.191	593319.13	72.2024	4893	842413.754	593586.72	63.9768
2389	842232.626	593313.05	71.126	4894	842415.626	593583.05	62.2308
2390	842229.541	593313.27	72.2595	4895	842413.715	593589.88	64.8065
2391	842232.349	593314.64	71.6546	4896	842409.843	593595.84	67.6972
2392	842234.841	593315.4	71.0102	4897	842402.205	593594.09	69.4265
2393	842237.818	593313.67	70.1399	4898	842404.997	593586.36	67.6394
2394	842239.203	593309.51	68.4768	4899	842406.109	593583.42	66.4067
2395	842242.249	593306.47	65.4097	4900	842409.023	593574.95	62.9769
2396	842246.748	593305.57	65.0824	4901	842407.141	593576.6	64.2082
2397	842250.694	593305.36	65.0513	4902	842404.671	593579.19	65.934
2398	842251.387	593300.72	65.0764	4903	842402.907	593581.07	67.4948
2399	842254.64	593298.57	65.0638	4904	842400.907	593582.72	68.0218
2400	842256.302	593297.32	65.0584	4905	842398.084	593585.78	69.2249
2401	842261.217	593295.04	65.0331	4906	842397.162	593586.25	69.5253
2402	842261.771	593291.23	65.0538	4907	842401.739	593588.74	68.65
2403	842263.709	593289.36	65.4859	4908	842406.65	593588.17	67.5179
2404	842266.152	593287.13	68.1023	4909	842408.161	593588.17	66.7495
2405	842267.883	593281.45	70.3838	4910	842409.672	593583.26	64.8365
2406	842271.961	593281.46	71.0078	4911	842410.617	593580.61	63.7503
2407	842271.967	593278.4	71.8477	4912	842413.639	593580.23	62.3569
2408	842269.059	593283.25	70.382	4913	841971.916	592886.01	73.3839
2409	842270.929	593285.95	70.4228	4914	841976.579	592890.71	72.595
2410	842272.521	593284.08	71.0051	4915	841981.919	592898.18	72.2262
2411	842269.89	593288.58	69.2666	4916	841983.881	592906.7	73.6126
2412	842268.921	593292.67	67.7405	4917	841986.431	592910.86	73.5518
2413	842263.314	593297.66	64.9984	4918	841990.716	592913.74	72.4582
2414	842260.821	593298.56	65.0129	4919	841991.625	592909.64	71.0142
2415	842258.121	593300.08	65.0251	4920	841987.794	592903.91	71.181
2416	842256.252	593300.77	65.0359	4921	841982.126	592895.58	71.4705
2417	842254.591	593301.47	65.045	4922	841978.149	592889.42	71.5909
2418	842252.583	593302.51	65.0546	4923	841974.193	592880.59	69.3135
2419	842248.707	593302.92	65.0838	4924	841968.925	592872.77	71.262
2420	842245.245	593302.92	65.1124	4925	841965.084	592864.58	70.8009
2421	842248.291	593299.87	65.1075	4926	841960.535	592867.23	73.4323
2422	842251.982	593307.3	65.0277	4927	841954.043	592854.96	73.157
2423	842246.854	593309.42	65.0559	4928	841955.675	592860.13	73.6904
2424	842243.732	593309.64	65.591	4929	841959.098	592866.71	73.9157
2425	842241.057	593310.98	68.0595	4930	841964.341	592875.19	73.8504
2426	842235.705	593320.91	71.8286	4931	841992.52	592919.01	73.5762
2427	842238.492	593319.79	70.9838	4932	842014.627	592882.96	72.4176
2428	842238.492	593319.79	70.9838	4933	842007.017	592871.45	72.3921
2429	842242.506	593317.68	69.1601	4934	842002.425	592864.85	72.2831
2430	842245.627	593315.56	66.2995	4935	841996.354	592857.21	71.8398
2431	842248.08	593313.99	65.0154	4936	841999.181	592855.6	73.4614

Handwritten signature or initials in blue ink.

P	N	E	Z	P	N	E	Z
2432	842251.536	593311.32	65.0047	4937	841994.018	592849.51	72.9726
2433	842255.884	593309.76	64.9793	4938	841987.026	592841.13	72.3487
2434	842259.228	593306.41	64.9739	4939	841983.909	592834.89	72.7548
2435	842262.016	593305.29	64.9583	4940	842096.192	593008.41	72.4925
2436	842266.921	593303.29	64.9312	4941	842092.603	593002.69	73.1307
2437	842269.596	593301.28	64.9225	4942	842088.345	592995.95	72.7755
2438	842272.829	593298.6	67.7484	4943	842450.081	593562.18	67.5681
2439	842276.174	593294.25	70.3401	4944	842446.209	593568.14	65.342
2440	842276.174	593294.25	70.3401	4945	842438.572	593566.39	62.629
2441	842279.407	593290.57	71.6217	4946	842441.363	593558.67	65.9141
2442	842279.038	593288.29	71.8463	4947	842442.475	593555.72	66.8162
2443	842276.62	593290.24	70.9231	4948	842445.39	593547.25	69.2199
2444	842273.61	593292.47	69.7574	4949	842443.507	593548.9	66.2304
2445	842272.272	593293.92	68.8002	4950	842441.037	593551.49	66.9732
2446	842270.154	593296.37	67.2414	4951	842439.273	593553.37	67.4948
2447	842268.816	593299.16	64.943	4952	842437.273	593555.02	68.0218
2448	842264.914	593302.84	64.9507	4953	842434.45	593558.08	63.1836
2449	842262.016	593305.29	64.9583	4954	842433.528	593558.55	62.6702
2450	842257.668	593303.62	65.0053	4955	842438.105	593561.04	63.9005
2451	842263.353	593301.06	64.9755	4956	842443.016	593560.47	66.1098
2452	842265.472	593299.94	64.9654	4957	842444.528	593560.47	66.7418
2453	842239.098	593322.56	70.9187	4958	842446.039	593555.56	67.7006
2454	842246.459	593320.41	68.1684	4959	842446.983	593552.91	68.8895
2455	842253.281	593315.2	64.9646	4960	842450.006	593552.53	69.2378
2456	842260.642	593313.04	64.9182	4961	842441.919	593570.03	63.0298
2457	842268.721	593307.83	64.8862	4962	842443.819	593566.72	64.7313
2458	842271.593	593304.96	64.8816	4963	842445.777	593564.5	66.16
2459	842276.261	593301.37	68.4246	4964	842447.406	593562.23	66.7062
2460	842279.134	593297.06	70.8082	4965	842450.121	593559.02	68.5037
2461	842282.073	593293.32	71.7362	4966	842451.992	593555.35	69.273
2462	842238.794	593327.42	71.9325	4967	842452.464	593560.39	69.145
2463	842246.1	593325.8	69.709	4968	841967.429	592880.27	73.8319
2464	842251.845	593322.74	65.483	4969	841995.927	592926.34	72.8924
2465	842253.82	593320.95	64.9219	4970	842020.091	592890.21	72.7135
2466	842256.692	593318.43	64.9149	4971	842024.896	592896.02	73.1307
2467	842262.796	593313.94	64.8945	4972	842020.432	592889.36	73.0887
2468	842264.233	593311.97	64.8957	4973	842015.972	592881.67	73.3325
2469	842265.848	593306.04	64.9218	4974	842011.59	592873.07	73.8564
2470	842259.385	593310.71	64.9441	4975	842004.568	592865.54	72.9889
2471	842264.233	593308.19	64.9208	4976	841999.917	592853.82	74.2358
2472	842256.333	593312.86	64.9549	4977	841995.635	592848.12	74.0298
2473	842243.048	593324	70.5556	4978	841988.256	592839.56	73.2932
2474	842225.056	593302.7	71.7087	4979	842100.948	593015.85	72.589
2475	842228.95	593301.17	70.7269	4980	842703.061	594039.58	56.4436
2476	842237.921	593291.6	65.248	4981	842713.693	594056.52	56.2434

Handwritten signature/initials in blue ink.

P	N	E	Z	P	N	E	Z
2477	842680.201	594055.82	68.0435	4982	842820.608	594178.32	54.5528
2478	842692.483	594069.58	66.5695	4983	842831.24	594195.26	54.3526
2479	842252.225	593282.97	65.1874	4984	842841.872	594212.2	54.1524
2480	842256.372	593279.92	65.1735	4985	842852.503	594229.14	53.9522
2481	842686.814	594059.61	66.42	4986	842863.135	594246.08	53.752
2482	842260.858	593271.03	70.3052	4987	842873.767	594263.02	53.5518
2483	842683.121	594052.13	66.3001	4988	842905.662	594313.84	52.9511
2484	842694.973	594065.97	65.6205	4989	842916.294	594330.78	52.7509
2485	842238.344	593297.62	65.9557	4990	842958.821	594398.54	51.9501
2486	842233.943	593301.77	68.7381	4991	842969.452	594415.48	51.7499
2487	842230.219	593304.05	70.9234	4992	842980.084	594432.42	51.5497
2488	842232.484	593290.68	66.5114	4993	842990.716	594449.36	51.3495
2489	842691.28	594056.51	64.7713	4994	843001.348	594466.3	51.1493
2490	842224.952	593298.89	71.2187	4995	843011.979	594483.24	50.9491
2491	842222.074	593300.25	72.3578	4996	843022.611	594500.18	50.7489
2492	842225.121	593305.16	72.3151	4997	842679.521	594054.35	68.33
2493	842227.745	593304.14	71.1423	4998	842689.51	594071.7	68.509
2494	842255.131	593267.54	68.8651	4999	843052.345	594528.75	55.3485
2495	842245.414	593275.75	65.2915	5000	842694.591	594044.9	61.4436
2496	842686.299	594048	64.7175	5001	842705.223	594061.84	61.2434
2497	842241.515	593283.46	65.2725	5002	842692.897	594045.96	61.3636
2498	842248.362	593276.98	65.259	5003	842703.529	594062.9	61.1634
2499	842700.844	594065.91	63.0884	5004	843062.509	594522.37	60.2685
2500	842694.533	594053.62	62.6341	5005	842684.43	594051.27	66.36
2501	842255.209	593282.79	65.164	5006	842695.06	594068.21	66.16
2502	842688.573	594042.04	62.2102	5007	843064.203	594521.3	60.1885
2503	842713.114	594054.33	56.2627	5008	842682.733	594052.34	66.2836
2504	842223.577	593292.82	70.8813	5009	842693.365	594069.28	66.0834
2505	842220.821	593294.5	71.4171	5010	843072.673	594515.99	65.1885

Handwritten signature in blue ink.

Handwritten signature in blue ink.

60+006.82			
Material Name	Area	Volume	CU M
For Depth From 0-5	85.17	292.12	292.12
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+006.82

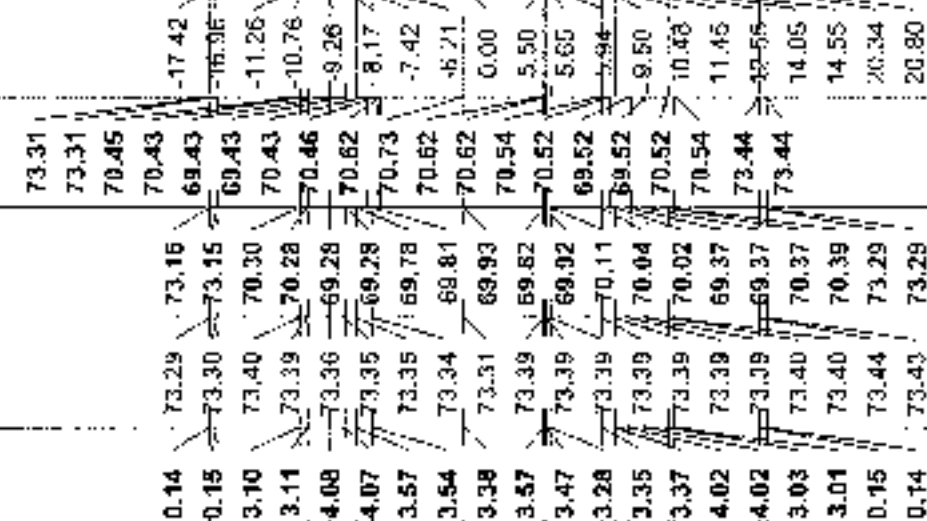
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▨	FOR DEPTH FROM 5 TO 10
▨	FOR DEPTH FROM 10 TO 15
▨	FOR DEPTH FROM 15 TO 20
▨	SubBallast hatch
▨	prepared Subgrade hatch

Eng. Ahmed Far	DATE	12/1/2024
FOR AUTHORIZED CHAIRMAN	DATE	12/1/2024

OWNER :



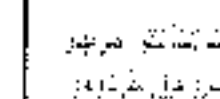
Main Contractor:

General Consultant :



Contractor Consultant

SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000

Rail Salama - a October Railway Project

DWG SCALE 1:500	DESIGNED BY: Dr Mohamed Ghannem	PROJECT
PHASE	CHECKED BY: Dr Hassan Mahay	APPROVED BY: Dr Ahmed Kadd
DWG SIZE: A3	SHEET NUMBER 2	



60+020.00			
Material Name	Area	Volume	CU M3.3L
For Depth From 0-5	98.64	1214.44	1.006.56
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+020.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

-----	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast batch
▨	prepared Subgrade batch

BY	ENG. MOHAMED EL-SAYED	ASSISTANT	CP. MOHAMED EL-SAYED
DATE	10/10/2024		DATE: 10/10/2024

OWNER :



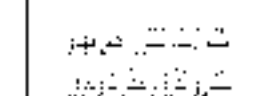
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+100
Bun. Jeddah - 9 Outer Ringway Project.

DWG SCALE
5:10

DESIGNED BY :
Dr. Mohamed El-Sayed

PHASE :

CHECKED BY :
Dr. Hassan M. El-Sayed

DWG SIZE
A1

APPROVED BY :
Dr. Amr El-Khalid

SHEET NUMBER
3

10/10/2024



60+040.00			
Material Name	Area	Volume	CUM TO
For Depth From 0-5	398.56	2076.70	3753.27
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+040.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

-----	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

ENG. Amr Elwan	DATE 12/1/2024	DR. Mohamed Elwan	DATE 12/1/2024
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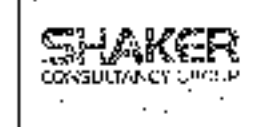
OWNER :



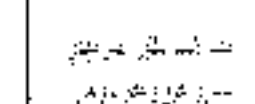
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Ban Salama - 6 October Railway Project

DWG SCALE: 1:500	DESIGN (BY): Dr Mohamed Elwan	PROJECT
FEASE	CHECKED BY: Dr Hassan Mady	APPROVED BY: Dr Ahmed Elwan
DWG SIZE: A3	SHEET NUMBER 4	



60+060.00			
Material Name	Area	Volume	PI M.M
For Depth From 0-5	116.81	2259.45	56.12 9.1
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+060.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

-----	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast batch
	prepared Subgrade batch

BY	ENG. AHMED FAY	DATE: 12/11/2024
CHKD	DR. MOHAMMED GHARIB	DATE: 12/11/2024

OWNER :



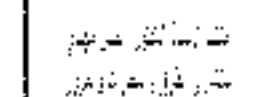
Main Contractor:



General Consultant :



Contractor Consultant:



SURVEY Consultant



SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Ras Salama - e. October Railway Project

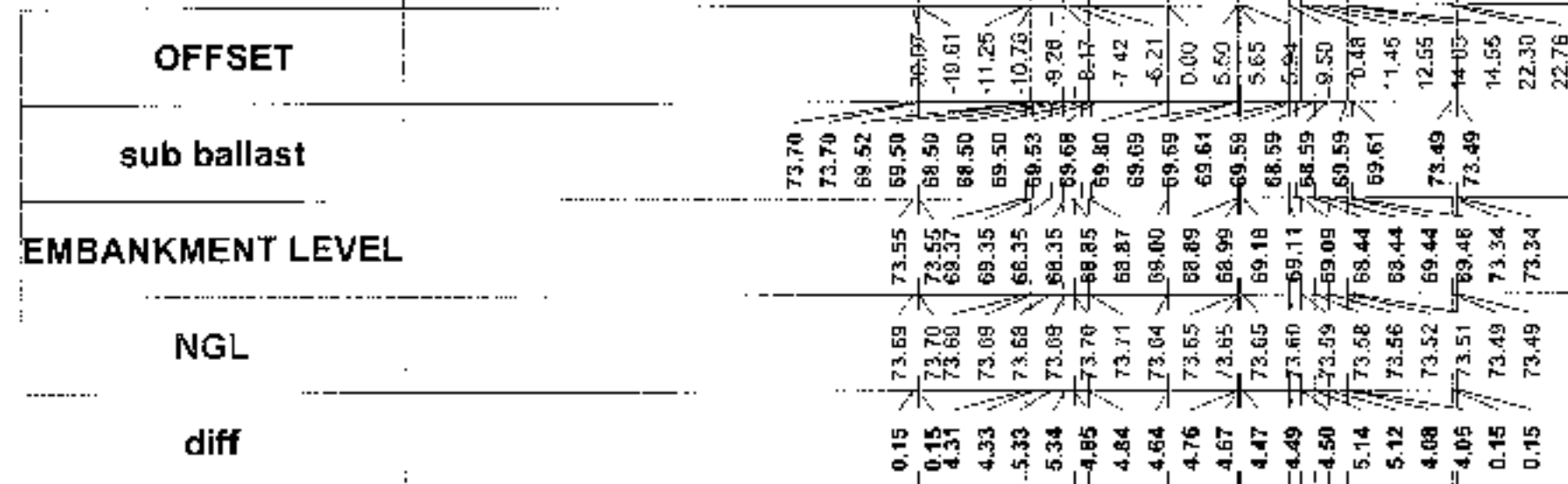
DWG. SCALE: 1:500	DESIGNED BY: Dr. Mohamed Charab	PROJECT
PREPARED BY:	CHECKED BY: Dr. Hassan Mady	APPROVED BY: Dr. Ahmed Khalil
DWG. NO. A1	SHEET NUMBER 5	



50104000			
Material Name	Area	Volume	UOM/Unit
For Depth From 0-5	199.92	2458.07	6300.75
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

diff	NGL	EMBANKMENT LEVEL	sub ballast	OFFSET
0.14	73.55	73.41	73.56	
0.15	73.56	73.41	73.56	
4.01	73.59	69.57	69.72	
4.05	73.60	69.55	69.70	
5.08	73.63	68.55	68.70	
5.08	73.63	68.55	68.70	
4.59	73.64	69.05	69.70	
4.57	73.64	69.07	69.73	
4.40	73.59	69.20	69.88	
4.49	73.57	69.09	70.00	
4.39	73.58	69.19	69.89	
4.21	73.59	69.38	69.89	
4.35	73.66	69.31	69.81	
4.39	73.68	68.29	68.79	
5.05	73.69	68.64	69.81	
5.07	73.71	68.64	73.57	
4.07	73.71	69.64	73.57	
4.04	73.70	69.86		
0.15	73.57	73.42		
0.15	73.57	73.42		

60+106.00			
Material Name	Area	Volume	CUMULATIVE
For Depth From 0-5	331.93	2619.14	10916.83
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00



Notes:

60-120.00			
Volume for Nature	Area	Volume	CTBLVCL
For Depth From 0-5	25.10	2580.99	13500.92
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+120.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	Sub-Ballast hatch
▨	prepared Subgrade hatch

NO.	ENG. APPROVED DATE	REVISION DATE	CR. APPROVED DATE
	12/11/2024		12/11/2024

OWNER :



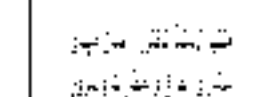
Main Contractor:



General Consultant :



Contractor Consultant:



SURVEY Consultant



SHEET NAME :

Slip Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Ban. Sidiara - 6 Ucker Railway Project

DWG SCALE	DESIGNED BY	PROJECT
1:500	Dr Mohamed Chouk	
PHASE	CHECKED BY	APPROVED BY
	Dr Hassan Mahdy	Dr Ahmed Kholil
DWG S. ZF	SHEET NO. MRPL	
A3	8	



60+140.00			
Material Name	Area	Volume	CFM Vol
For Depth From 0-5	125.57	2486.69	15947.61
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+140.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth= 50cm

Legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

DATE	PREPARED BY	APPROVED BY	DATE
12/10/2024			

OWNER :



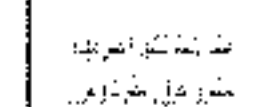
Main Contractor:

General Consultant :



Contractor Consultant

SURVEY Consultant



SHEET NAME :

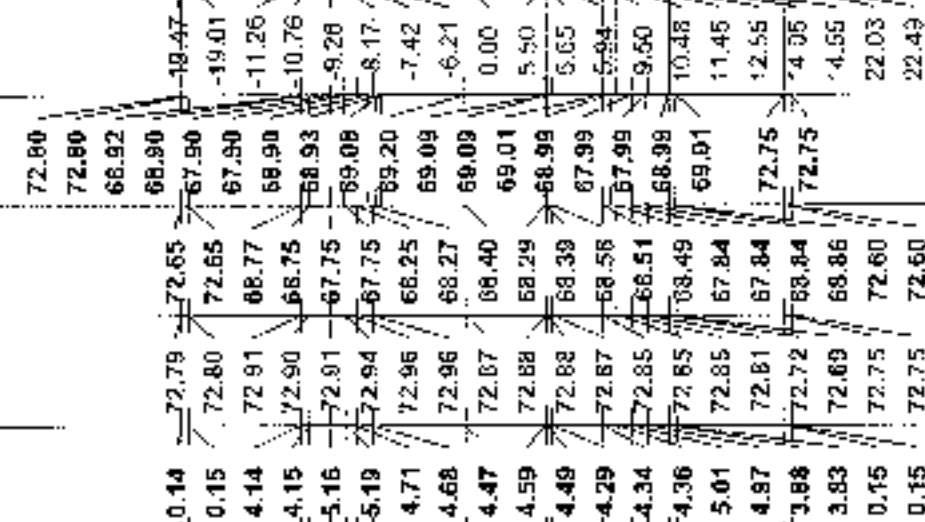
Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000

Road Salama - h (Salama - h) Project

DWG SCALE	DESIGNED BY	PROJECT
1:500	by Mohamed Ghann	
TEAM	CHECKED BY	APPROVED BY
	Dr Hassan Mady	Dr Ahmed Klaf
DWG SIZE	SHEET NUMBER	
A1	9	



60+160.00



DWG SCALE: 1:50	DESIGNED BY: Dr. Mohamed Ghannem	PROJECT
PLANS	CHECKED BY: Dr. Hassan Mady	APPROVED BY: Dr. Ahmed Khalil
DWG. SIZE: A1	SHEET NUMBER 10	



60+180.00			
Material Name	Area	Volume	CU M3/30L
For Depth From 0-5	111.40	2339.47	10758.21
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+180.00

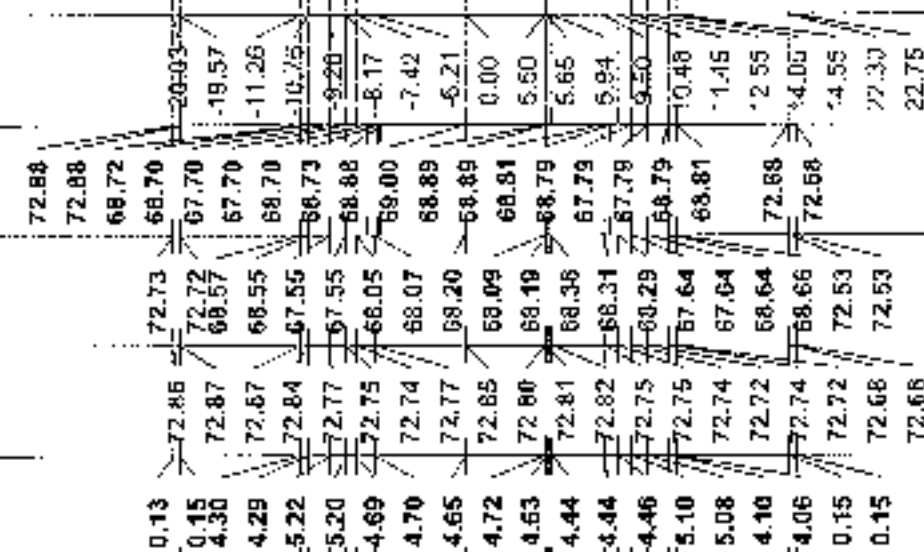
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

Legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

DESIGNED BY	APPROVED	DATE
10/10/2024		10/10/2024

OWNER :



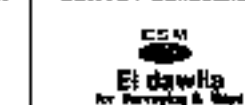
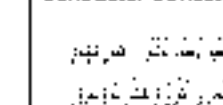
Main Contractor:

General Consultant :



Contractor Consultant

SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000

Bin Salama - 5 October Railway Project

DWG SCALE	DESIGNED BY	PROJECT
1:50	Dr. Mohamed Gharib	
PHASE	CHECKED BY	APPROVED BY
	Dr. Hany M. M. M.	Dr. Ahmed Elshah
DWG SIZE	SHEET NUMBER	
A3	1	

60+200.00			
Material Name	Area	Volume	CMALVOL
For Depth From 0-5	131.26	2456.58	23211.83
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+200.00

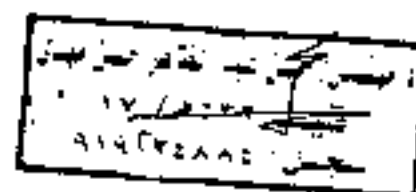
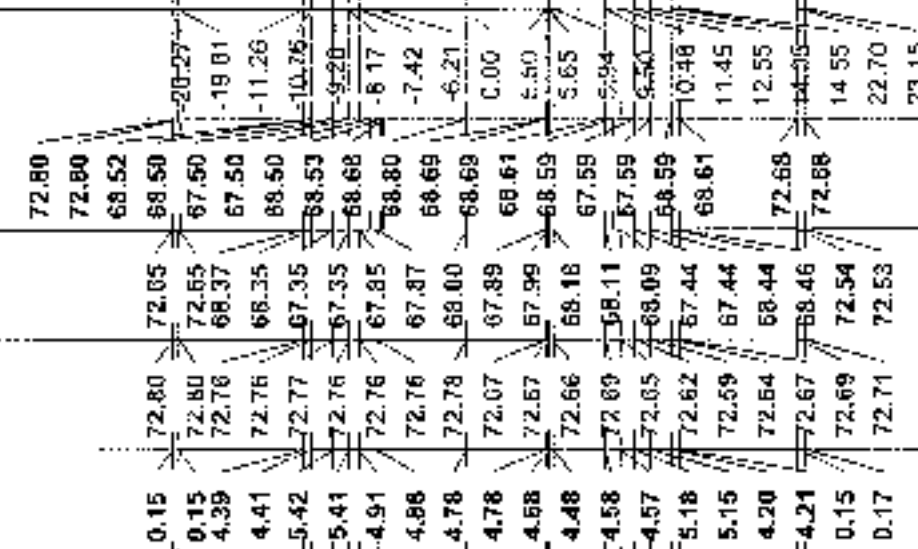
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DRG. Sheet No.	DATE	DR. Mohamed Ghaleb	DATE
10/11/2021		10/11/2021	

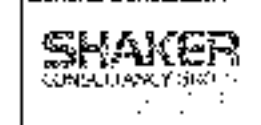
OWNER :



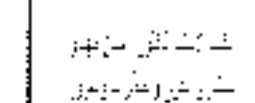
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Ban. Salama - 5 October Railway Project

DWG SCALE:	DESIGNED BY:	PROJECT
1:500	Dr. Mohamed Ghaleb	
PHASE	CHECKED BY:	APPROVED BY:
	Dr. Hisham Maltay	Dr. Ahmed Khatib
DWG SIZE	SHEET NUMBER	
A1	12	

60+200.0			
Material Name	Area	Volume	CFY VOL
For Depth From 0-5	139.05	2703.09	23912.93
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+220.00

OFFSET

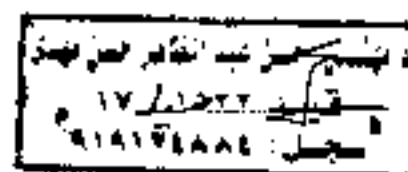
sub ballast

EMBANKMENT LEVEL

NGL

diff

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Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DESIGNED BY:	DR. MOHAMED GHANEM	DATE:	14/11/2024
CHECKED BY:	DR. MOHAMED GHANEM	DATE:	14/11/2024

OWNER :



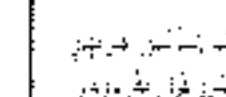
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 60+000
Ras Salama - A Heber Railway Project

DWG SCALE:	DESIGNED BY:	PROJECT
1:500	Dr. Mohamed Ghannem	
PREPARED BY:	CHECKED BY:	APPROVED BY:
	Dr. Hassan Muly	Dr. Ahmed Khatib
DWG SIZE:	SHEET NO. NUMBER	
A3	13	

60+240.00			
Material Name	Area	Volume	CUM.M
For Depth From 0-5	111.16	2832.07	2832.07
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+240.00

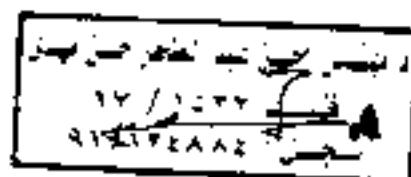
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DR: Revised No.	DR: No.	DR: No.
DR: No.	DR: No.	DR: No.
DR: No.	DR: No.	DR: No.

OWNER :



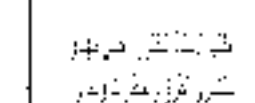
Main Contractor:

General Consultant:



Contractor Consultant

SURVEY Consultant



SHEET NAME :

Show Drawing design-cross section STATIONS FROM 60+000 TO 62+000
for Salween - A Greater Railway Project

DWG SCALE:	DESIGNED BY:	PROJECT
1:50	Dr. Mohamed Ghannouch	
PREPARED BY:	CHECKED BY:	APPROVED BY:
	Dr. Hassan Maly	Dr. Ahmed Khalil
DWG SIZE:	SHEET NUMBER	
A3	14	

60+260.00			
Material Name	Area	Volume	CUM.M
For Depth From 0-5	111.96	2891.23	31611.20
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+260.00

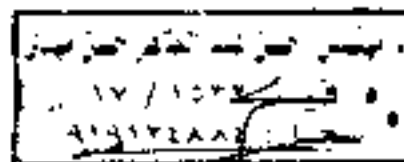
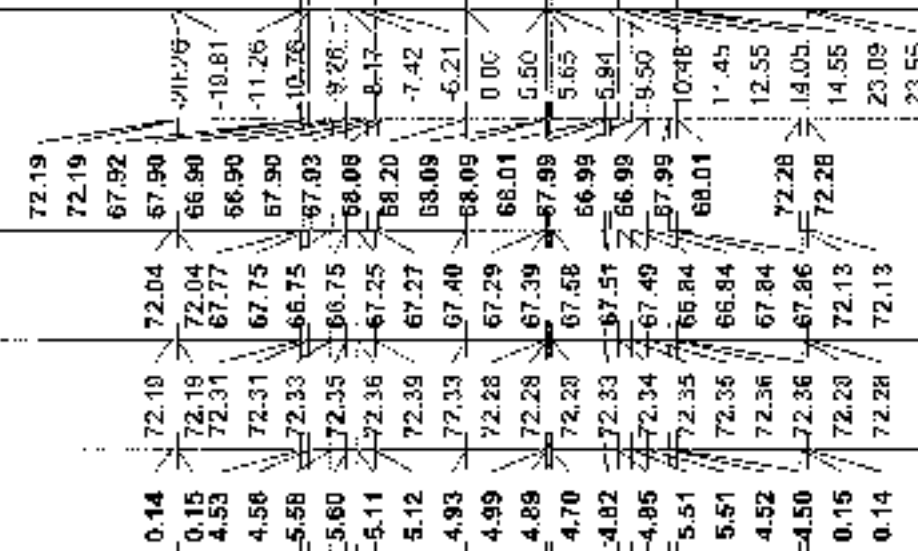
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

Rev.	Particulars	By	Date
1	12/1/2024		

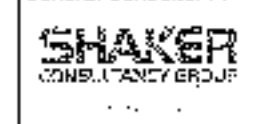
OWNER :



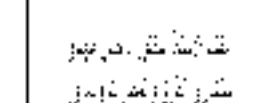
Main Contractor:



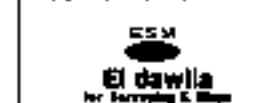
General Consultant :



Contractor Consultant



SURVEY Consultant

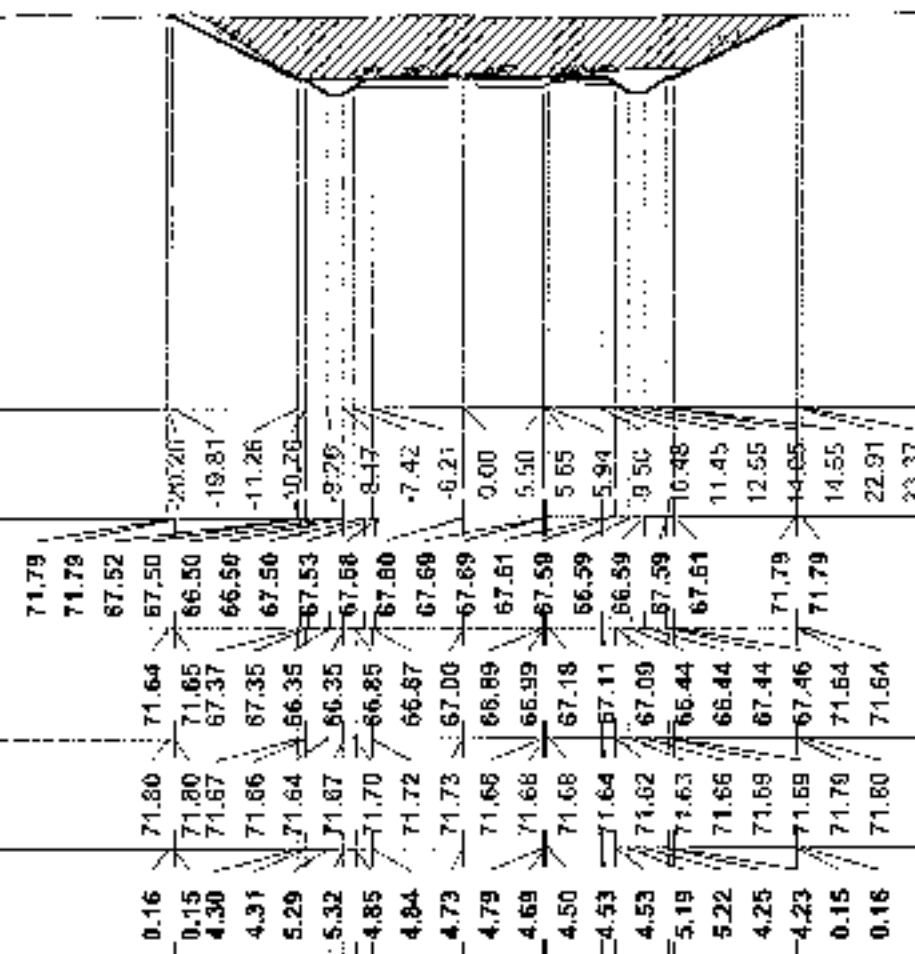


SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Ras Salama - 4 Outer Railway Project

DWG SCALE	DESIGNED BY	PROJECT
1:500	Dr. Mohamed Elshah	
PHASE	CHECKED BY	APPROVED BY
	Dr. Hassan M. Alsay	Dr. Ahmed Elshah
DWG SIZE	SHEET NUMBER	
A3	15	

60+300.00



فصلنامه علمی-پژوهشی
پژوهش‌های حقوق کیفری
پیاپی ۱۷/۱
۱۳۹۳

SECRET

DWG SCALE: 1:500	DESIGNED BY Dr. Mohamed Ghaleb	PROJECT
FEASE.	CHECKED BY Dr. Hassan Mady	APPROVED BY: Dr. Ahmed Elter
DWG SIZE A3	SHEET NUMBER 17	

60+320.00			
Material Name	Area	Volume	FTM VOL
For Depth From 0-5	137.55	2596.39	30821.90
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+320.00

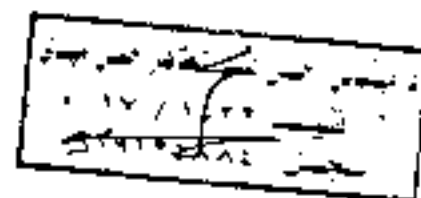
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

DATE	APPROVED FOR	DATE	BY
15/1/2024		15/1/2024	

OWNER :



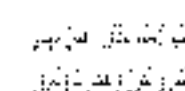
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000

Radi Salama - 6 October Railway Project

DWG SCALE	DESIGNED BY	PROJECT
1:500	Dr. Mohamed Gomaa	
PHASE	CHECKED BY	APPROVED BY
	Dr. Hossam Mounir	Dr. Ahmed Khalil
DWG SIZE	SHEET NUMBER	
A3	18	

60-330.00			
Material Name	Area	Volume	CFM301
For Depth From 0-5	110.89	2764.39	0.00
For Depth From 5- 0	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

OFFSET



سجل
٧١٣٢
٢١٣٢٥٨٥

Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

legand:

-----	Natural ground level
	FOR DEPTH FROM 4 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

REF	END: 2002/07/21	ALPHACOL	DE: 2002/07/22 10:00:00
	DATE: 2002/07/22		TIME: 10:00:00

OWNER :



لتفصيل مقترحاتنا، انظر

Main Contractor:



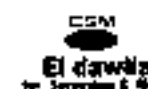
General Comments

SHAKE
CONSULTANTS INC.

Contractor Consultant

[illegible]

SURVEY Consultant



SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Bar Salama - 6 October Railway Project

DWG SCALE: 1:250	DESIGNED BY: Dr Mohammed Ghanné	PROJECT
FRAME	CHECKED BY: Dr Hassan Mahdy	APPROVED BY: Dr Ahmed Khatib
DWG NO A3	SHEET NO 19	

60+360.00			
Material Name	Area	Volume	CUMM
For Depth From 0-5	54.63	2845.14	15531.13
For Depth From 5-10	0.00	0.00	0.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+360.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff

71.52	71.52	66.92	66.90	71.37	20.91
71.52	71.52	66.90	65.90	71.37	20.45
66.92	66.90	65.90	65.90	66.77	-11.26
66.90	66.90	65.90	65.90	66.75	-10.70
66.93	67.08	66.93	65.75	66.75	-9.26
67.08	67.20	67.08	65.75	66.75	-8.17
67.20	67.09	67.20	66.25	66.25	-7.92
67.09	67.09	67.09	66.27	66.27	-6.21
67.09	67.01	67.09	66.40	66.40	0.00
67.01	66.99	67.01	66.29	66.29	5.50
66.99	65.99	66.99	66.39	66.39	5.65
65.99	65.99	65.99	66.58	66.58	5.94
65.99	65.99	65.99	66.51	66.51	9.50
65.99	65.99	65.99	66.40	66.40	10.48
65.99	65.99	65.99	65.84	65.84	1.85
67.01	67.01	67.01	65.84	65.84	12.55
71.72	71.72	71.72	66.84	66.84	14.05
71.72	71.72	71.72	66.86	66.86	12.55
71.72	71.57	71.72	71.57	71.57	23.97
71.57	71.57	71.57	71.57	71.57	24.42

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

EnS. Ahmed Fath	MAHMOUD	CR. HOSSEIN
DATE: 10/1/2024		DATE: 10/1/2024

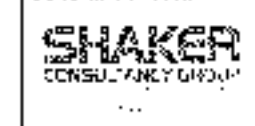
OWNER :



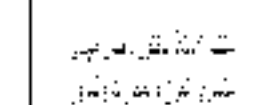
Main Contractor



General Consultant :



Contractor Consultant



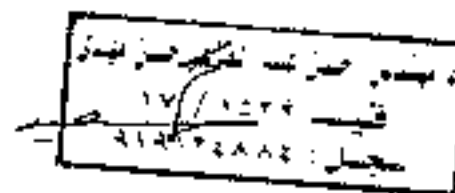
SURVEY Consultant



SHEET NAME :

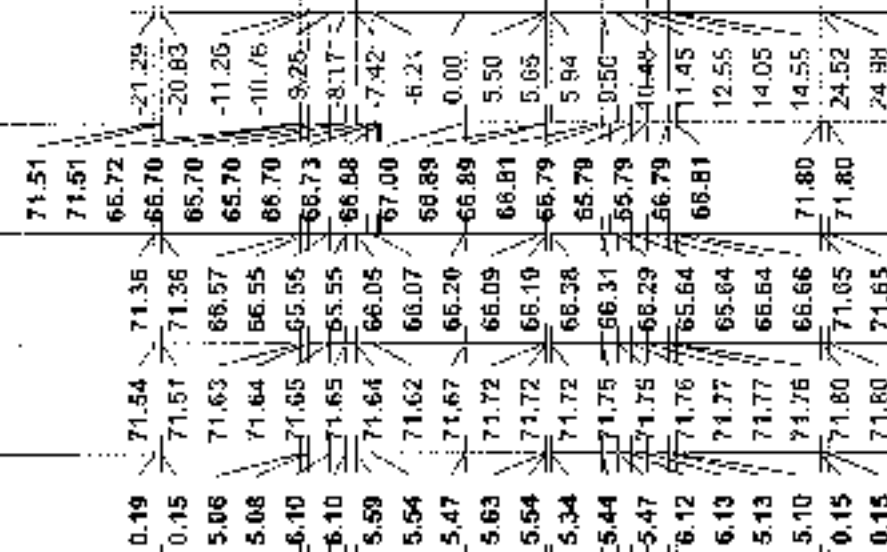
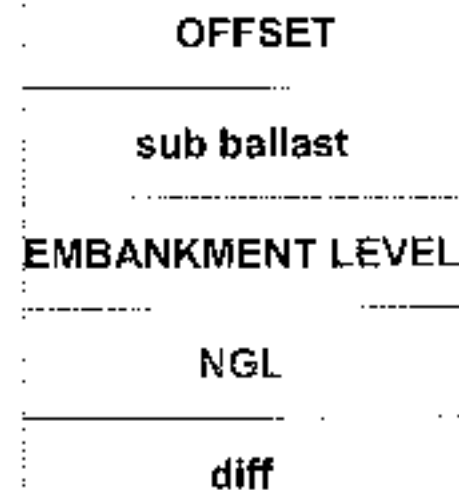
Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Rim Salama - 6 October Railway Project

DWG SCALE 1:500	DESIGNED BY Dr. Mohamed Ghannem	PROJECT
PHASE	CHECKED BY Dr. Hassan Nady	APPROVED BY Dr. Ahmed Khalil
DWG SIZE A3	SHEET NUMBER 20	



604-990.00			
Material Name	Area	Volume	CUMULATIVE
For Depth From 0-5	168.39	3202.05	18733.18
For Depth From 5-10	0.16	1.55	1.55
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+380.00



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ADARCA
بیتاں ویاں ویاں ویاں
٦٠٩-٦١-١٩٨

Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

legend:

-----	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

FFs	File: <u>Armed Plot</u>	ACTION	UN RECORDED (CHRG)
	DATE 12/1/2004		DATE: 12/1/2004

OWNER:



تبريد

Main Contractor:



General Consultant

SHAKER
CONCRETE MIXERS

Contractor Consultant

SURVEY Comments

فتد، ند، تکر، دم، فیدر
خسیر، شایر، بخر، زاجر



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Ruta Salasna - 6 October Railway Project

DWG SCALE: 1:50	DESIGNED BY: Dr. Mohamed Elmaghrabi	PROJECT
DATE:	CHECKED BY: Dr. Hassan Mady	APPROVED BY: Dr. Ahmed Khaled
DWG SIZE: A1	SHEET NUMBER 21	

60+100.00			
Material Name	Area	Volume	(CMY01)
For Depth From 0-5	171.13	3377.41	5:110.80
For Depth From 5-10	2.38	22.32	23.07
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+400.00

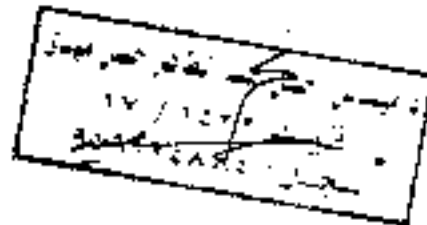
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

Rev	Rev	Rev	Rev
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
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25	25	25	25
26	26	26	26
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31	31	31	31
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34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
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52	52	52	52
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90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
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97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

OWNER :



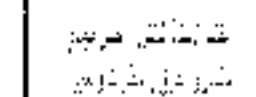
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant

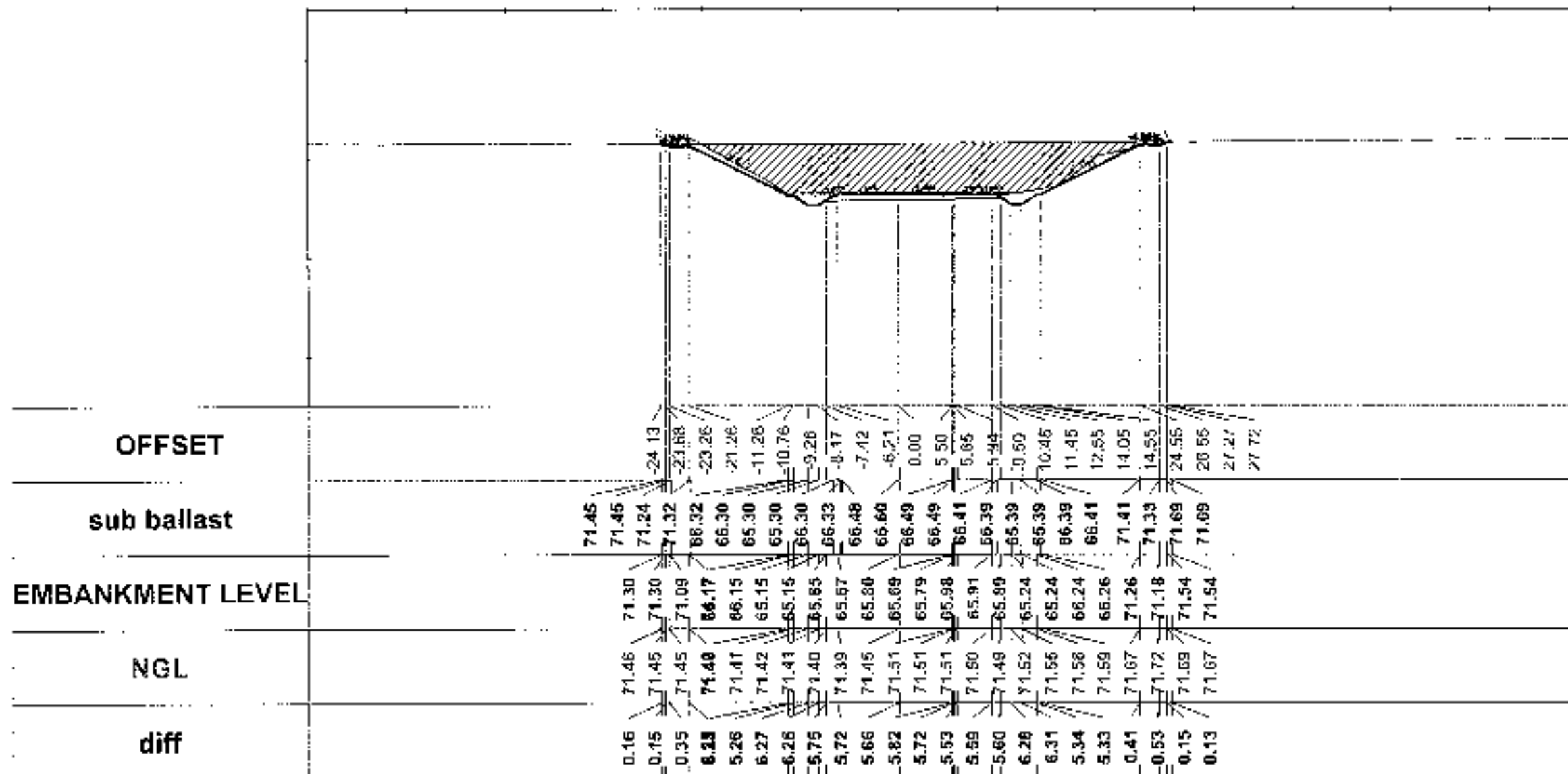


SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Ras Salama - 6 October Railway Project

DWG SCALE:	DESIGNED BY:	PROJECT
1:500	Dr. Mohamed El-Chen	
PHASE:	CHECKED BY:	APPROVED BY:
	Dr. Hassan M. El-Mahdy	Dr. Ahmed El-Khatib
DWG SIZE:	SHEET NUMBER	
A3	22	

60-420.00			
Material Name	Area	Volume	CU M3/M
For Depth From 0-5	171.09	3452.55	77563.11
For Depth From 5-10	1.11	62.19	18.00
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00



Notes:

legend:

	Subballast hatch
	prepared Subgrade hatch

OWNER :

Main Contractor:	General Contractor:
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Contractor Consultant	SURVEY Consultant
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SHEET NAME :

DWG SCALE: 1:500	DESIGNED BY: Enr Mohamed Ghaleb	PROJECT
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60+400.00			
Material Name	Area	Volume	CUMVOL
For Depth From 0-5	130.59	3630.75	36191.20
For Depth From 5-10	10.00	142.04	373.10
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+440.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff

0.15	71.54	71.39	71.54	71.54	71.54	71.54	71.52	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
0.15	71.54	71.39	71.54	71.54	71.54	71.54	71.52	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
0.64	71.53	70.89	71.53	71.53	71.53	71.53	71.52	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
8.64	71.52	68.97	71.52	71.52	71.52	71.52	71.52	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
5.57	71.52	65.95	71.52	71.52	71.52	71.52	71.52	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
6.59	71.54	64.95	71.54	71.54	71.54	71.54	71.52	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
6.59	71.54	64.95	71.54	71.54	71.54	71.54	71.52	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
6.07	71.52	65.45	71.52	71.52	71.52	71.52	71.52	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
6.01	71.48	65.47	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.44	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48
5.89	71.48	65.80	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.44	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48
6.03	71.52	65.49	71.52	71.52	71.52	71.52	71.52	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
5.93	71.52	65.59	71.52	71.52	71.52	71.52	71.52	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
5.74	71.52	65.78	71.52	71.52	71.52	71.52	71.52	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
5.73	71.44	65.71	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44	71.44
5.79	71.48	65.69	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.44	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48	71.48
6.48	71.52	65.04	71.52	71.52	71.52	71.52	71.52	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
6.52	71.56	65.04	71.56	71.56	71.56	71.56	71.56	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
5.56	71.60	66.04	71.60	71.60	71.60	71.60	71.60	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
5.55	71.61	66.06	71.61	71.61	71.61	71.61	71.61	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
0.88	71.72	71.06	71.72	71.72	71.72	71.72	71.72	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
0.77	71.75	70.98	71.75	71.75	71.75	71.75	71.75	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
0.15	71.76	71.61	71.76	71.76	71.76	71.76	71.76	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76
0.15	71.76	71.61	71.76	71.76	71.76	71.76	71.76	71.48	71.48	71.52	71.52	71.52	71.44	71.48	71.52	71.56	71.60	71.61	71.72	71.75	71.76	71.76

17/12/2014
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ADWASLA

Notes:

SubBallast Depth = 50 cm
PreparedSubgradeDepth=50cm

legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

NO.	ENC. Average from DATE 12/11/2014	ADDRESS	DR. HASSAN M. ALI DATE 12/11/2014
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OWNER :



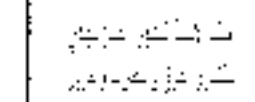
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Strip Drawing design-civils sections
STATIONS FROM 60+000 TO 62+000
Jeddah Salween - A Dammam Railway Project

DWG SCALE: 1:50	DESIGNED BY: Dr. Mohamed Ghannem	PROJECT
FEASL:	CHECKED BY: Dr. Hassan M. Ali	APPROVED BY: Dr. Ahmed Khalil
DWG SIZE A3	SHEET NUMBER 24	

60+460.00			
Material Name	Area	Volume	CUM/M
For Depth From 0-5	138.54	3879.18	63973.58
For Depth From 5-10	20.18	302.43	599.55
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+460.00

OFFSET																				
sub ballast	71.70	71.70	70.84	70.92	70.92	65.92	65.90	64.90	64.90	65.90	65.93	66.08	66.20	66.08	66.09	66.01	65.98	64.99	64.99	64.99
EMBANKMENT LEVEL	71.72	71.55	71.56	70.89	70.77	65.75	65.75	64.75	64.75	65.25	65.27	65.40	65.29	65.39	65.58	65.51	65.49	64.84	64.84	64.84
NGL	71.71	71.71	71.65	71.65	71.65	71.67	71.68	71.68	71.68	71.68	71.67	71.67	71.60	71.60	71.60	71.63	71.67	71.70	71.70	71.64
diff	0.17	0.15	0.96	0.98	0.92	5.92	6.93	6.93	6.43	6.40	6.27	6.32	6.22	6.02	6.12	6.18	6.86	6.86	5.80	5.76

10/10/2024



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE	10/10/2024	DATE	10/10/2024
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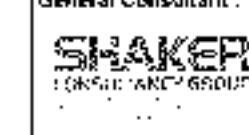
OWNER :



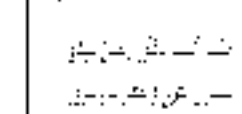
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

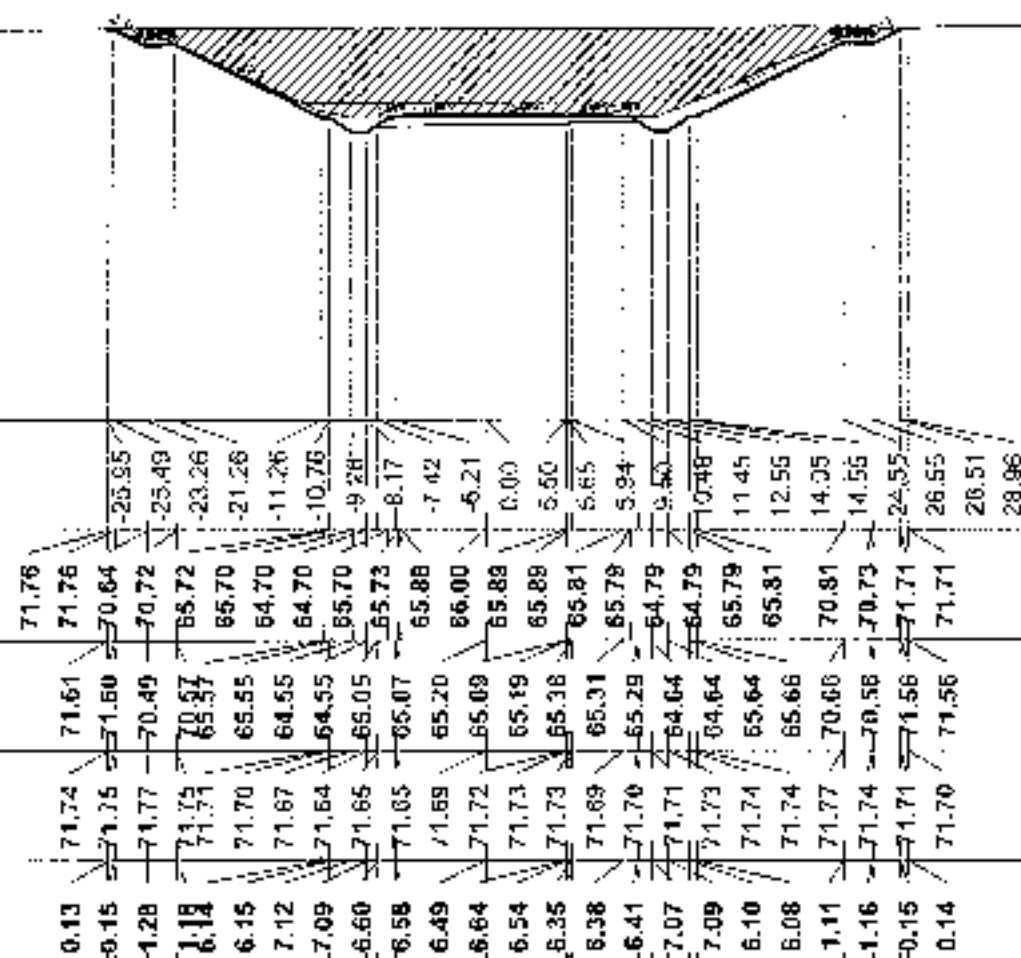
Slope Drawing design-cross sections
STATIONS FROM 60+400 TO 62+000
Duni Station - to Denger Railway Project

DWG SCALE 1:500	DESIGNED BY Dr.Mehsred Ghanch	PROJECT
PLAASE	CHECKED BY Dr.Hassan Vahdy	APPROVED BY Dr. Ahmad Khalil
DWG SIZE A3	SHEET NUMBER 25	

60+130.00			
Material Name	Area	Volume	CU M VOL
For Depth From 0-5	192.55	3909.87	66893.25
For Depth From 5-10	21.57	447.34	977.87
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+480.00

OFFSET
sub ballast
EMBANKMENT LEVEL
NGL
diff



17/12/2024
91442886

15788
ABUABLA
199-101-199

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DRG: Ahmed Elsh	DATE: 12/12/2024	DR: 401 HAHMO G.M.P.S.D DATE: 12/12/2024
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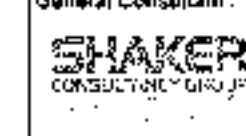
OWNER:



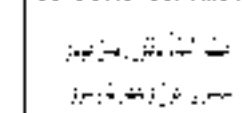
Main Contractor:



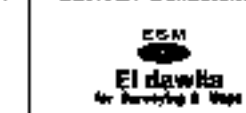
General Consultant:



Contractor Consultant:



SURVEY Consultant:



SHEET NAME:

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Bani Salama - Dammam Railway Project

DWG SCALE: 1:500	DESIGNED BY: Dr. Mohamed Ghannem	PROJECT
PREPARED BY: Dr. Hassan Mubarek	CHECKED BY: Dr. Hassan Mubarek	APPROVED BY: Dr. Ahmed Khalil
DWG SIZE: A3	SHEET NUMBER: 26	

60+500.00			
Material Name	Area	Volume	CUMMIL
For Depth From 0-5	391.33	3914.45	70897.71
For Depth From 5-10	20.90	454.55	1132.12
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+500.00

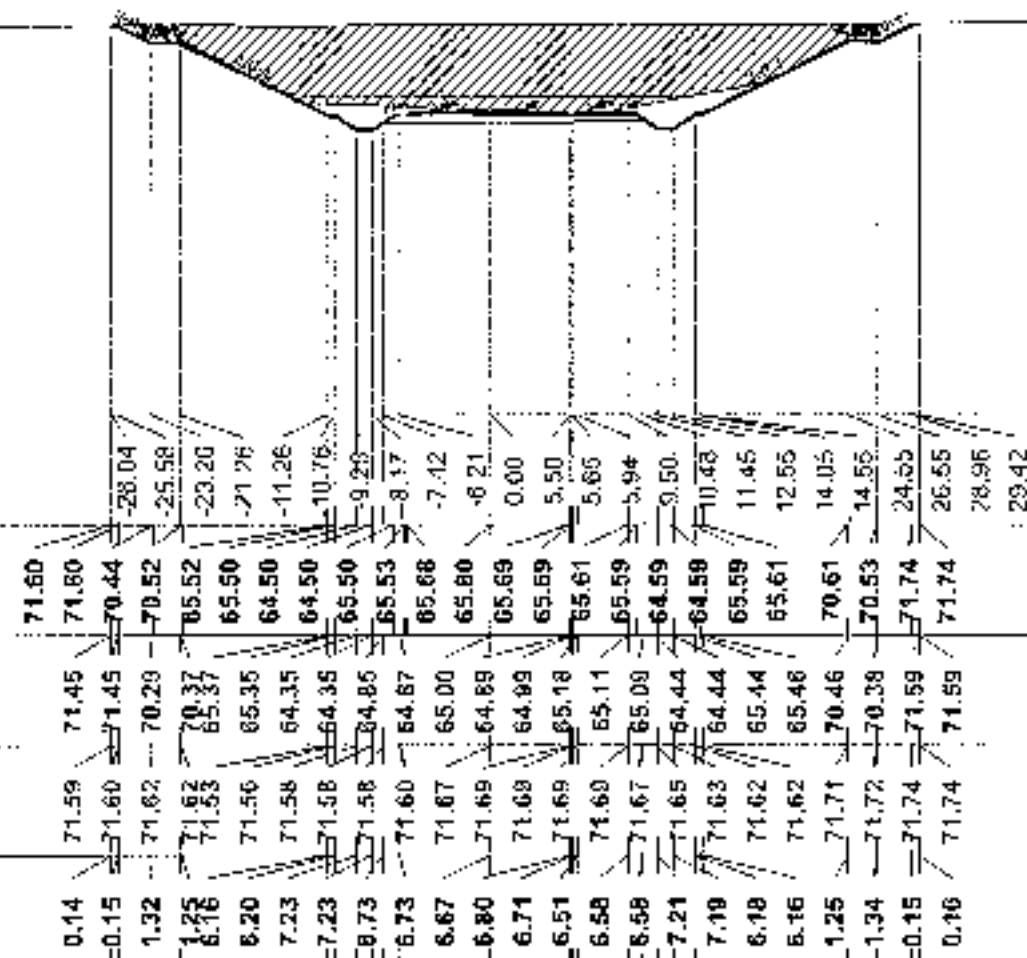
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



مختار محمد علي
1997/05/27
مختار محمد علي

1997/05/27
مختار محمد علي
مختار محمد علي
1997/05/27

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

-----	Natural ground level
-----	FOR DEPTH FROM 0 TO 5
-----	FOR DEPTH FROM 5 TO 10
-----	FOR DEPTH FROM 10 TO 15
-----	FOR DEPTH FROM 15 TO 20
-----	SubBallast hatch
-----	prepared Subgrade hatch

Eng: Ahmed Elm	DATE: 12/1/2004	Eng: Mohamed Elwan	DATE: 12/1/2004
----------------	-----------------	--------------------	-----------------

OWNER:



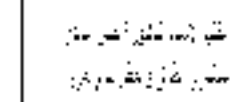
Main Contractor:



General Consultant:



Contractor Consultant:



SURVEY Consultant:



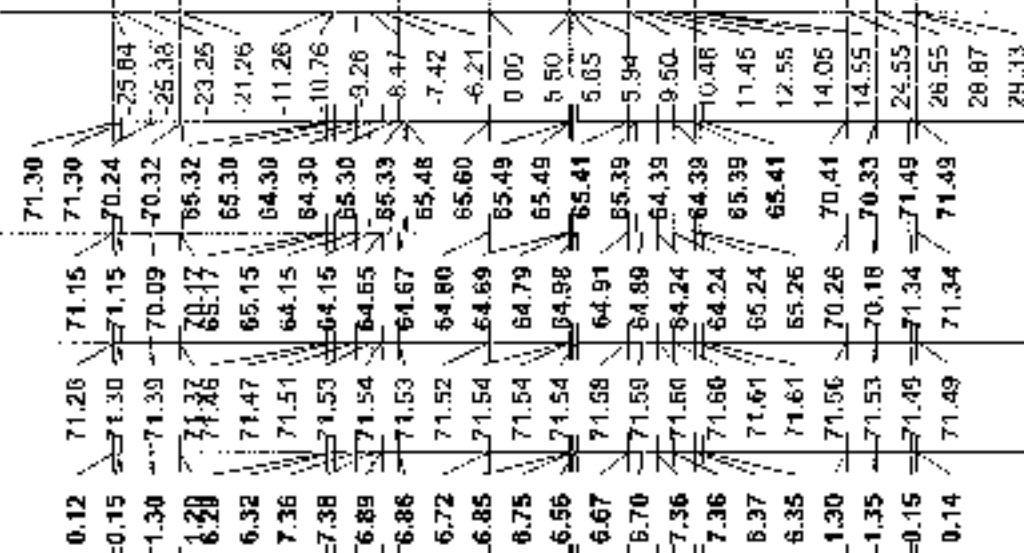
SHEET NAME:

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Ran Salama - 4 Parallel Railway Project

DWG SCALE 1:500	DESIGNED BY Dr Mohamed Ghannem	PROJECT
PHASE	CHECKED BY Dr Hassan Mahdy	APPROVED BY Dr Ahmed Khalil
DWG SIZE A3	SHEET NUMBER 27	

60+520.00

diff



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 ۱۷۱۹۲۰

197850

ABUJAH

DWG SCALE: 1:500	DESIGNED BY: Dr. Mohamed Ghannem	PROJECT
FEASE	CHECKED BY: Dr. Hussein Mahdy	APPROVED BY: Dr. Ahmed Khalil
DWG NO. A3	SHEET NUMBER 28	

60+540.00			
Material Name	Area	Volume	CU M/VOL
For Depth From 0-5	086.33	3757.42	78513.00
For Depth From 5-10	30.81	601.82	1536.80
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+540.00

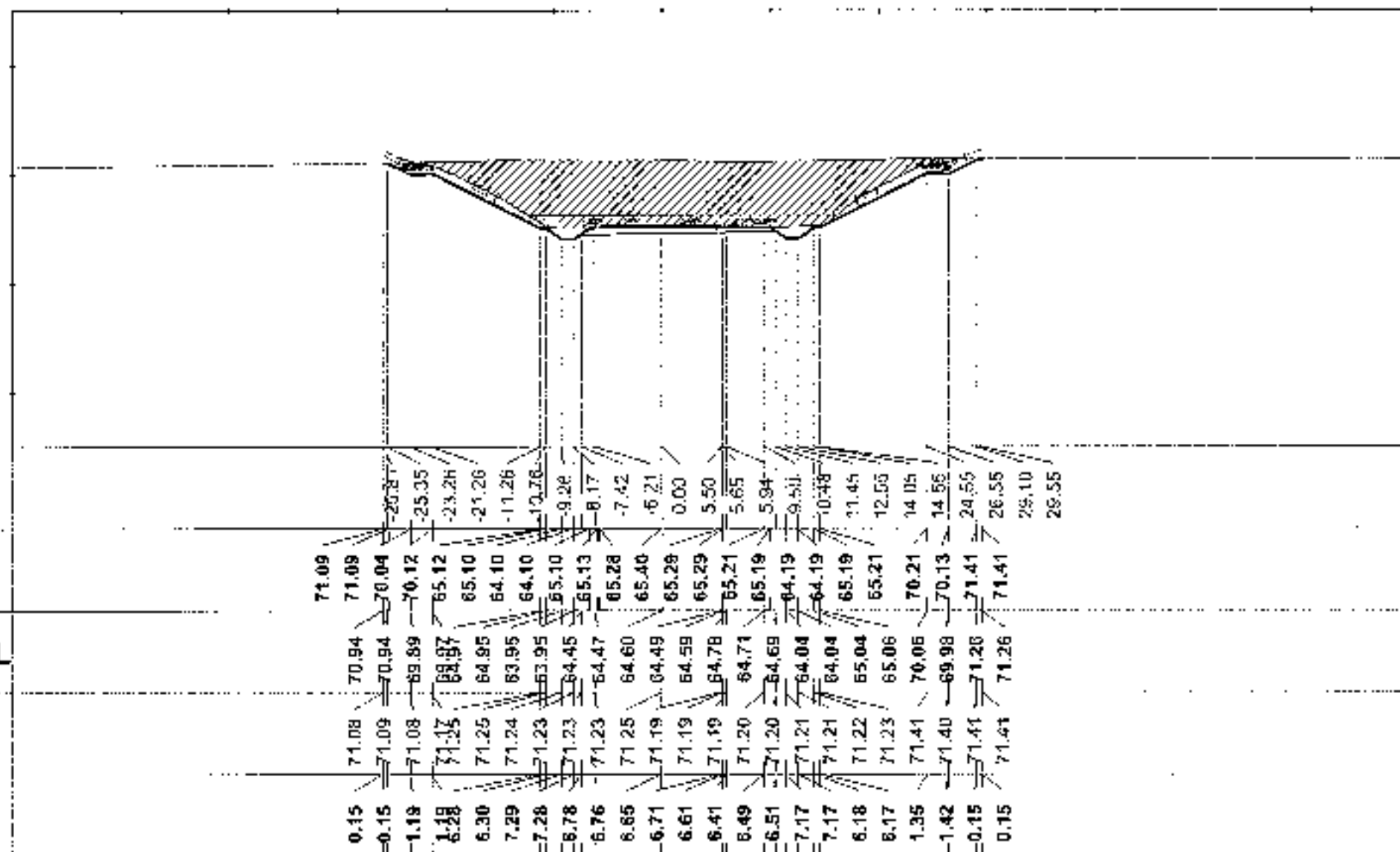
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



مجلس مهندسين
الهندسة المدنية
الكويت
15/10/2014
مجلس مهندسين
الهندسة المدنية
الكويت

19780000
مجلس مهندسين
الهندسة المدنية
الكويت
15/10/2014

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

-----	Natural ground level
-----	FOR DEPTH FROM 0 TO 5
-----	FOR DEPTH FROM 5 TO 10
-----	FOR DEPTH FROM 10 TO 15
-----	FOR DEPTH FROM 15 TO 20
-----	SubBallast hatch
-----	prepared Subgrade hatch

DESIGNED BY	DATE	DATE	DATE
15/10/2014	15/10/2014	15/10/2014	15/10/2014

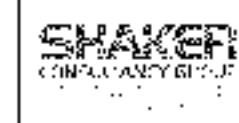
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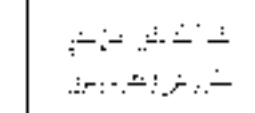
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Brid Salma - Salma Highway Project

DWG SCALE	DESIGNED BY	PROJECT
1:500	Dr. Mutamad Ghazib	
PHASE	CHECKED BY	APPROVED BY
	Dr. Husein Mandy	Dr. Ameer Khalid
DWG SIZE	SHEET NUMBER	
A3	29	

60+560.00			
Material Nature	Area	Volume	CUYVOL
For Depth From 0-5	88.19	3744.78	81268.31
For Depth From 5-10	26.30	571.23	1106.01
For Depth From 10-15	8.39	0.00	0.00
For Depth From 15-20	8.39	0.00	0.00

60+560.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff

مهندس حسان حجازي
قياس 17/12/23
جول 914121212

19768
ABHABLA
مهندس حسان حجازي

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm.

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	Prepared Subgrade hatch

ENG. Ghassan H.	Asst. Eng.	DR. MOHAMMED GHANIS
DATE: 12/11/2023		DATE: 12/11/2023

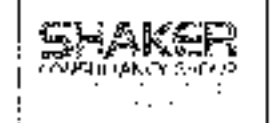
OWNER :



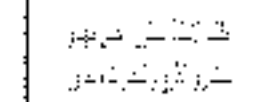
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60-600 TO 62+000
Bar Sa'ada - A Doha Railway Project

DWG SCALE: 1:500	DESIGNED BY: Dr. Mohamed Ghannas	PROJECT
DESIGNED BY: Dr. Hassan Maltay	CHECKED BY: Dr. Ahmed Khalil	APPROVED BY:
DWG SIZE: A1	SHEET NUMBER: 30	

60+580.00			
Material Name	Area	Volume	CFM.VOL
For Depth From 0-5	181.86	3700.61	85548.02
For Depth From 5-10	10.10	443.91	1351.95
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+580.00

OFFSET

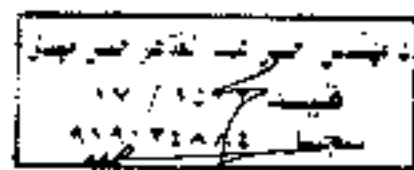
sub ballast

EMBANKMENT LEVEL

NGL

diff

70.25	70.25	69.84	24.93
70.25	70.10	69.72	24.47
69.84	69.49	64.72	23.26
69.72	64.70		21.26
64.70	63.70		11.26
63.70	63.70		10.75
63.70	64.70		9.20
64.70	64.72		8.17
64.72	64.88		7.42
64.88	65.00		6.21
65.00	64.89		0.00
64.89	64.89		5.50
64.89	64.81		5.65
64.81	64.78		5.94
64.78	63.79		9.50
63.79	63.79		10.48
63.79	64.79		1.45
64.79	64.81		1.25
64.81	64.66		4.05
64.66	69.68		4.56
69.68	69.73		24.55
69.73	70.59		26.55
70.59	70.44		28.27
70.44	70.44		28.72



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE	12/1/2024
BY	12/1/2024

OWNER :



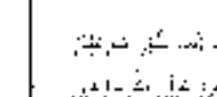
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant

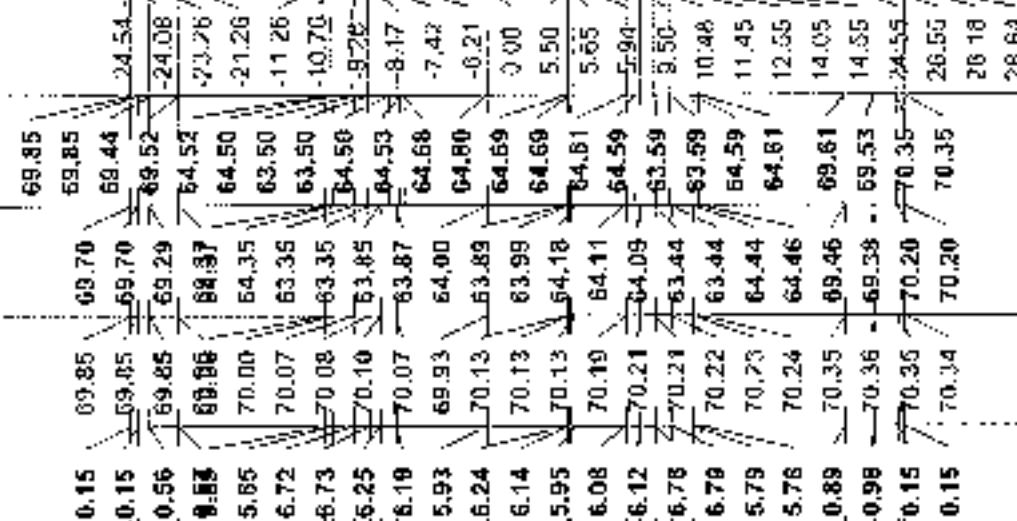
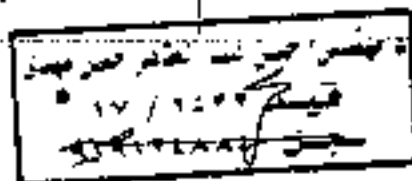


SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Rm: Salama - 4 (Hudair Railway Project)

DWG SCALE :	DESIGNED BY :	PROJECT
1:500	Dr. Mohamed Chahab	
PHASE :	CHECKED BY :	APPROVED BY :
	Dr. Hassan Mahdy	Dr. Ahmed Khalil
DWG SIZE :	SHEET NUMBER	
A1	31	

60+600.00



1978 2 20

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ABUJAH

1978 2 20

DWG SCALE: 1:500	DESIGNED BY: Dr Mohamed Ghaleb	PROJECT
THICK.	CHECKED BY: Dr Hassan Mady	APPROVED BY: Dr. Ahmed Khat
DWG SIZE A3	SHEET NUMBER 32	

60+620.00			
Material Name	Area	Volume	CU YOL
For Depth From 0-5	185.53	3669.35	91.79111
For Depth From 5-10	12.46	267.34	41.1396
Tot Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+620.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff

مهندس عبد الحليم محمد حسن
مهندس عبد الحليم محمد حسن
مهندس عبد الحليم محمد حسن

69.73	69.73	60.24	69.32	64.32	64.30	63.30	63.30	64.30	64.33	64.48	64.80	64.49	64.49	64.41	64.39	63.39	63.39	63.24	63.24	64.24	64.26	69.41	69.33	69.34	69.94	69.79	69.79	71.71	28.23
0.14	0.15	0.65	0.65	0.60	0.63	0.66	0.68	0.60	0.60	0.61	0.62	0.62	0.62	0.67	0.67	0.68	0.68	0.67	0.66	0.65	0.64	0.65	0.74	0.15	0.16				

10788
ADURGCA
609-161-139

Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

DATE	12/10/2023	DATE	12/10/2023
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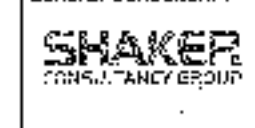
OWNER :



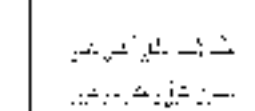
Main Contractor:



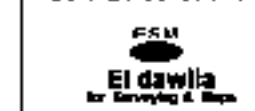
General Consultant :



Contractor Consultant



SURVEY Consultant

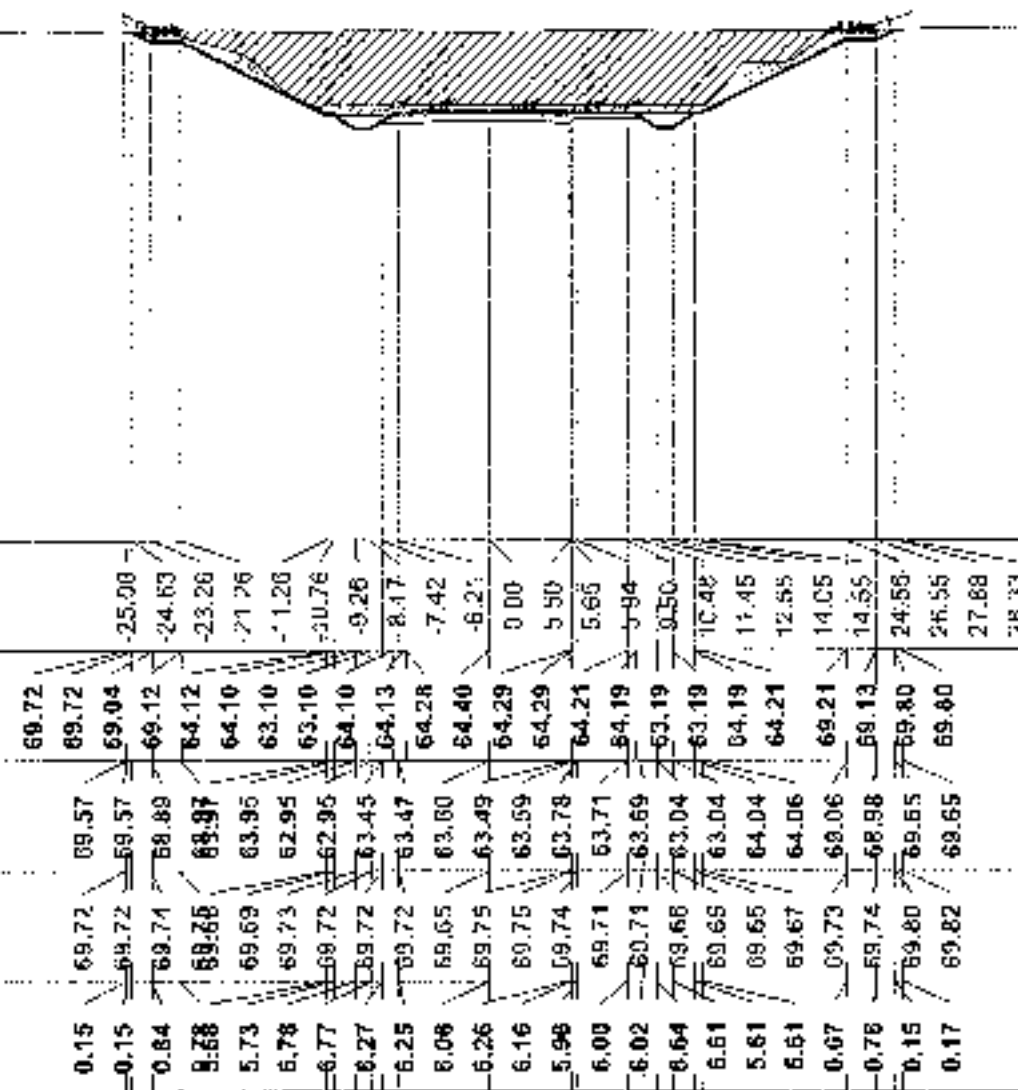
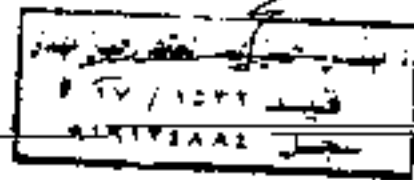


SHEET NAME :

Shop Drawing Design-cross sections
STATIONS FROM 60+000 TO 62+000
Doha Salama - Al-Qadisiya Railway Project

DWG SCALE : 1:500	DESIGNED BY Dhahar Mandy	PAULU1
PHASE1	CHECKED BY Dhahar Mandy	APPROVED BY Dr Amos Khalil
DWG SIZE: A3	SHEET NUMBER 33	

60+640,00



107	ENG ADVANCE PAY STATE 12/19/2024		ADVANCE	ON ADVANCED G-WARD	DUE 12/15/2024



الجمهورية العربية السورية
الوزارة العامة للتعليم والبحث العلمي



SHAKER
CONSULTANCY GROUP

تقدیر: ۱۳۸۷/۱۰/۱۵
محل: ۱۳۸۷/۱۰/۱۵

EGM
El dawila
for Surveying & More

Shop Drawing design-cross sections
STATIONS FROM 60+00 TO 62+00
Bare Salinas - 6 October Railroad Project

Y:	PEVLES T
U:	

Dr. Ahmed Khatib

34

60+660.00			
Material Nature	Area	Volume	CU M (10)
For Depth From 0-5	176.31	3530.96	100111.19
For Depth From 5-10	19.71	334.80	1161.76
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+660.00

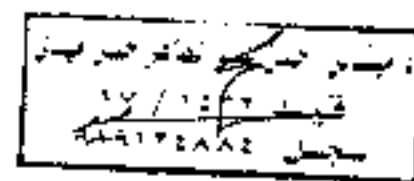
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

Legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
▧	FOR DEPTH FROM 10 TO 15
▦	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▤	prepared Subgrade hatch

PRJ	ENG. AHMED FAWZI	DATE	12/10/2022
MAP NO.	4	OR KNOWLEDGE	DATE
			12/10/2022

OWNER :



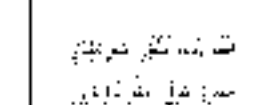
Main Contractor :



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+608 TO 62+000

Road Salama - in Dammam Road 2, Project

DWG SCALE	DESIGNED BY	PROJECT
1:50	Dr. Mohamed Ghannem	
YES/NO	CHECKED BY	APPROVED BY
	Dr. Hassan Mady	Dr. Ahmed Khalil
DWG SIZE	SHEET NUMBER	
A3	35	

60+680.00			
Material Name	Area	Volume	CU M/VOL
For Depth from 0-5	195.88	3723.89	191185.17
For Depth from 5-10	15.53	437.75	5189.00
For Depth from 10-15	0.00	0.00	0.00
For Depth from 15-20	0.00	0.00	0.00

60+680.00

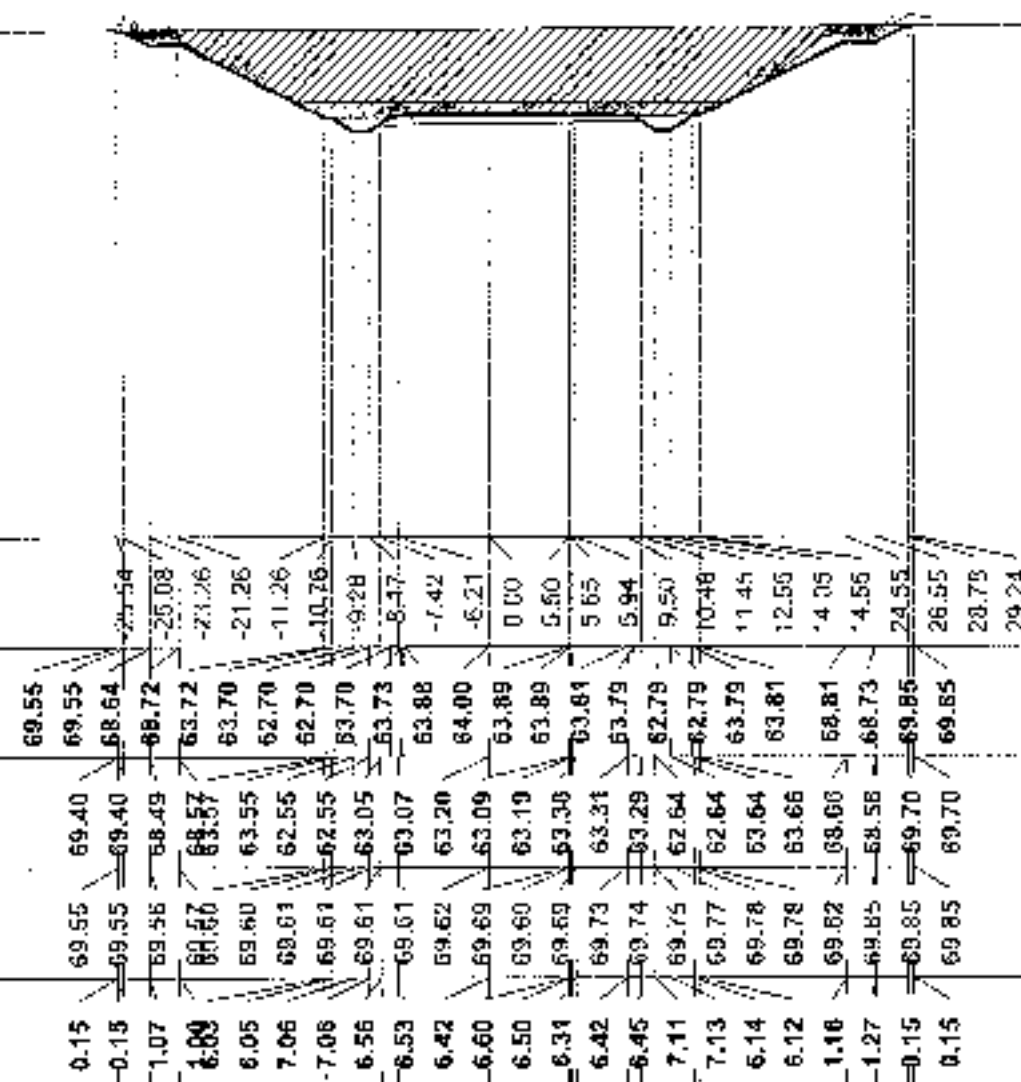
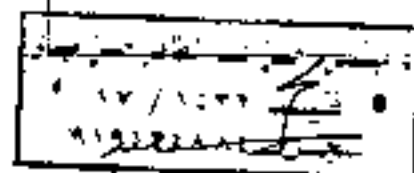
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DR: Abdullah	DR: Hisham	DR: Hisham
DATE: 12/1/2023		DATE: 12/1/2023

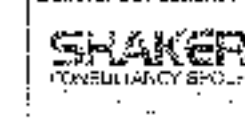
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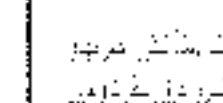
Main Contractor:



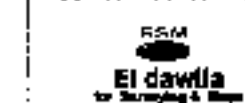
General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shoring design-cross sections
STATIONS FROM 60+600 TO 62+000
Jeddah - Dammam - Hail Railway Project

DWG SCALE: 1:500	DESIGNED BY: Dr. Mohamed Ghannem	PROJECT
PHASE: ...	CHECKED BY: Dr. Hassan Makiy	APPROVED BY: Dr. Ahmed Khatib
DWG SIZE A1	SHEET NO. 36	

60+700.00			
Material Name	Area	Volume	UPR/VOL
For Depth From 0-5	121.31	3901.75	100586.92
For Depth From 5-10	29.81	541.02	5730.55
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+700.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff

مهندس عمر عبد الجبار
 ١٧ / ١٢٧
 ٢٠٢٢ / ٢٠٢٣

69.50	69.50	68.44	68.52	68.52	63.50	62.50	62.50	63.50	63.53	63.68	63.80	63.69	63.69	63.61	63.59	62.59	62.59	62.59	63.59	63.61	63.46	63.61	68.61	68.53	69.90	69.90	69.75	69.75	20.29	29.75
0.15	0.15	1.21	1.16	6.12	7.15	7.17	6.68	6.67	6.57	6.76	6.66	6.47	6.53	6.58	7.22	7.23	6.25	6.24	1.39	1.49	0.15	0.15								
69.50	69.50	68.29	68.37	68.35	68.50	68.52	62.85	62.87	63.00	62.89	62.89	63.18	63.11	63.09	62.44	62.44	63.44	63.46	68.46	68.38	69.75	69.75	69.90	69.90	69.75	69.75	69.75	69.75	69.75	69.75
69.50	69.50	68.29	68.37	68.35	68.50	68.52	62.85	62.87	63.00	62.89	62.89	63.18	63.11	63.09	62.44	62.44	63.44	63.46	68.46	68.38	69.75	69.75	69.90	69.90	69.75	69.75	69.75	69.75	69.75	69.75



Notes.

SubBallast Depth = 30 cm
 PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

AS	ENG. Ahmed Elshaker	DATE: 12/1/2023	DATE: 12/1/2023
----	---------------------	-----------------	-----------------

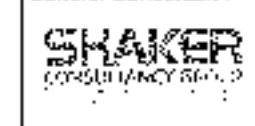
OWNER :



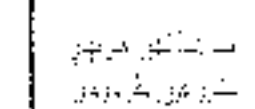
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant

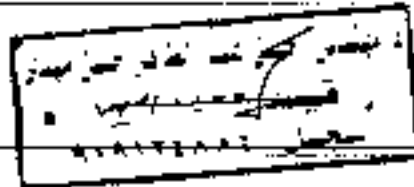


SHEET NAME :

Shop Drawing design-cross sections
 STATIONS FROM (60+000 TO 62+000)
 Rail Safety - 6 Hooter Railway Project

DWG SCALE: 1:500	DESIGNED BY: Dr. Mohamed Ghaleb	PROJECT
THICK:	CHECKED BY: Dr. Hassan M. Elshaker	APPROVED BY: Dr. Ahmed Elshaker
DWG SIZE: A3	SHEET NUMBER 37	

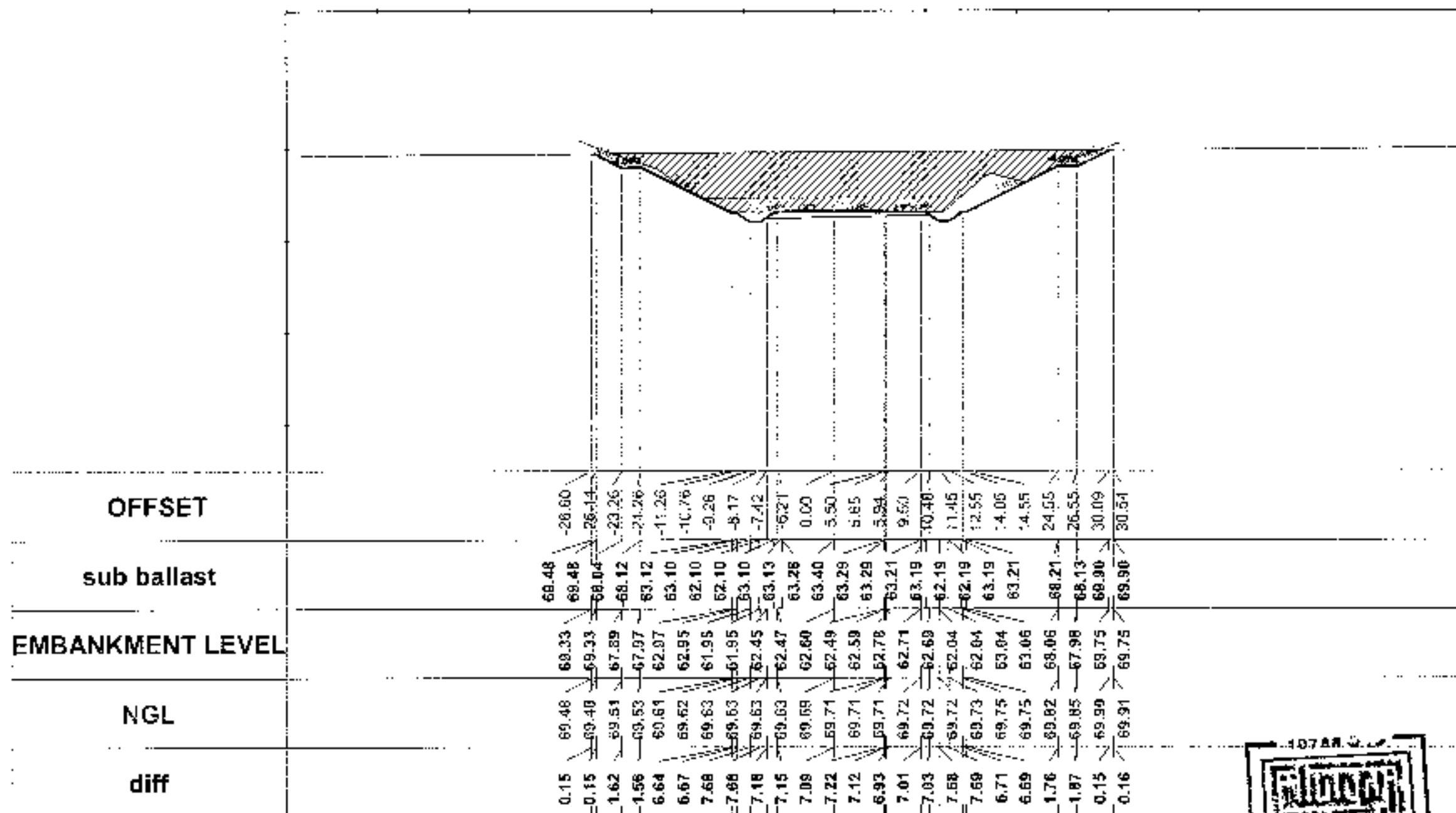
60+720.00



DWG SCALE: 1:500	DESIGNED BY: Dr. Mohamed Ghaleb	PROJECT
THASL	CHECKED BY: Dr. Hassan Matar	APPROVED BY: Dr. Ahmed Khalil
DWG SIZE: A3	SHEET NUMBER 38	



60-740.00			
Material Name	Area	Volume	CL M3.0L
For Depth From 0-5	198.07	4020.89	110061.51
For Depth From 5-10	11.11	707.32	7073.27
For Depth From 10-15	0.00	0.00	0.00
For depth From 15-20	0.00	0.00	0.00



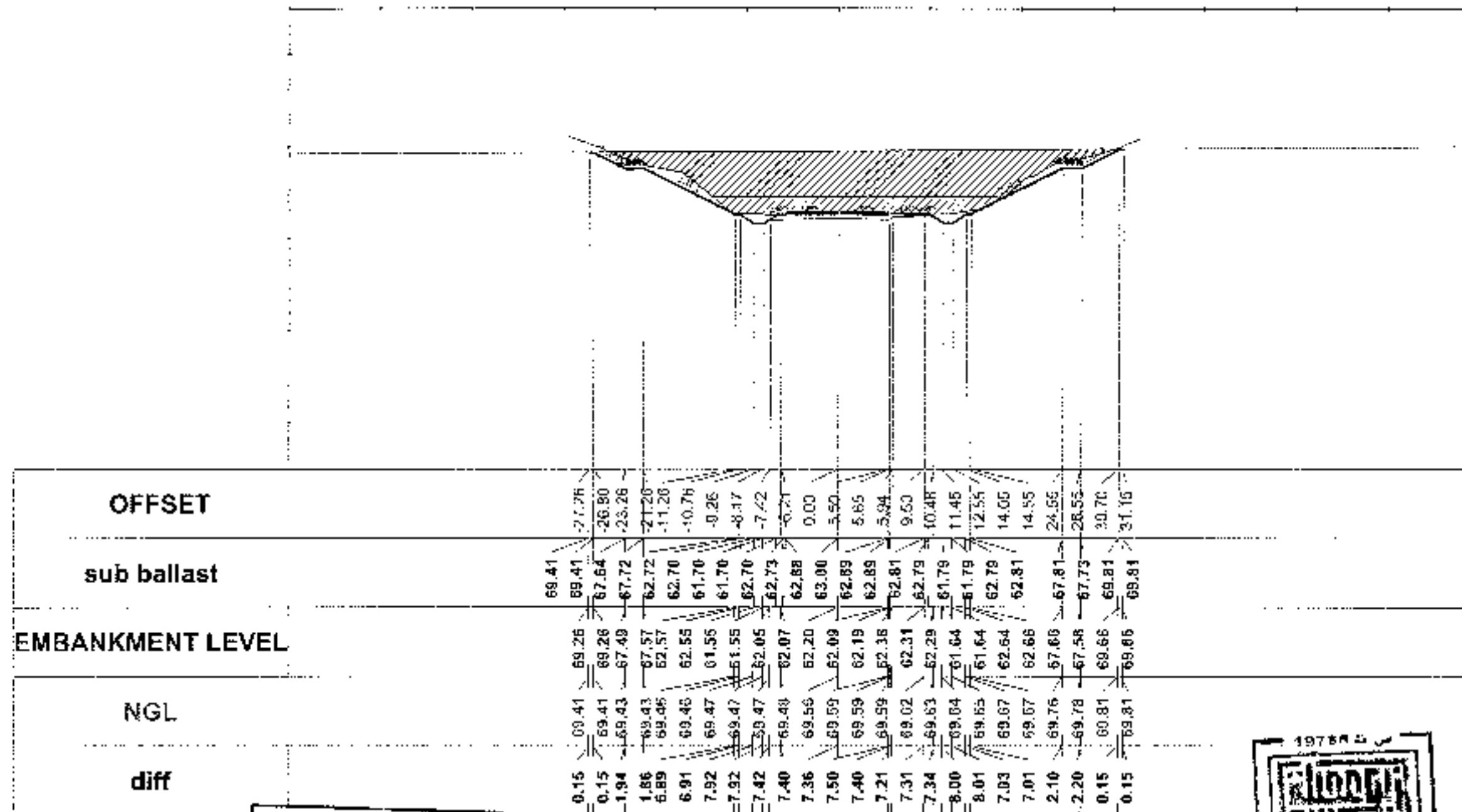
Notes:

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 ۱۴۱۴۸۸۲

60+760.00

DWG. SCALE: 1:50	DESIGNED BY: Dr Mohamed Ghazab	PROJECT
DATE:	CHECKED BY: Dr Hassan Mabry	APPROVED BY: Dr Ahmed Khatib
DWG. SIZE: A3	SHEET NUMBER: 40	

60+780.00			
Material Name	Area	Volume	1170.50]
For Depth From 0-5	235.00	4144.65	121292.85
For Depth From 5-10	53.50	1048.78	8895.60
For Depth From 10-15	3.00	0.00	3.00
For Depth From 15-20	3.00	0.00	3.00



Notes:



60+800.00			
Material Name	Area	Volume	CUMVOL
For Depth From 0-5	27.221	4162.93	12813.53
For Depth From 5-10	35.15	1110.58	10106.17
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+800.00

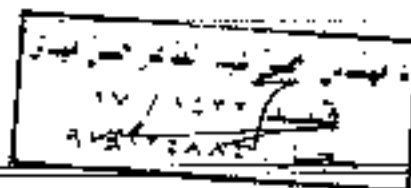
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



0.15	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
0.15	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
2.09	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
2.02	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
7.08	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
7.10	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
8.10	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
8.10	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
7.59	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
7.58	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
7.49	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
7.61	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
7.51	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
7.32	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
7.42	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
7.45	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
8.10	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
8.11	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
7.11	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
7.10	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
2.16	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
2.26	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
0.15	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67
0.15	69.36	69.21	69.36	67.29	67.37	62.35	61.35	61.35	61.85	61.87	62.00	62.80	62.89	62.89	62.61	62.59	61.59	61.59	62.59	62.61	62.61	62.46	67.61	67.53	69.67	69.67	69.67



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

ENG. Ahmed Fathi	DATE 12/11/2024
DATE 12/11/2024	DATE 12/11/2024

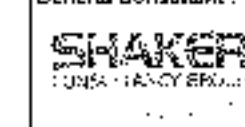
OWNER :



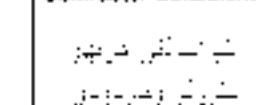
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



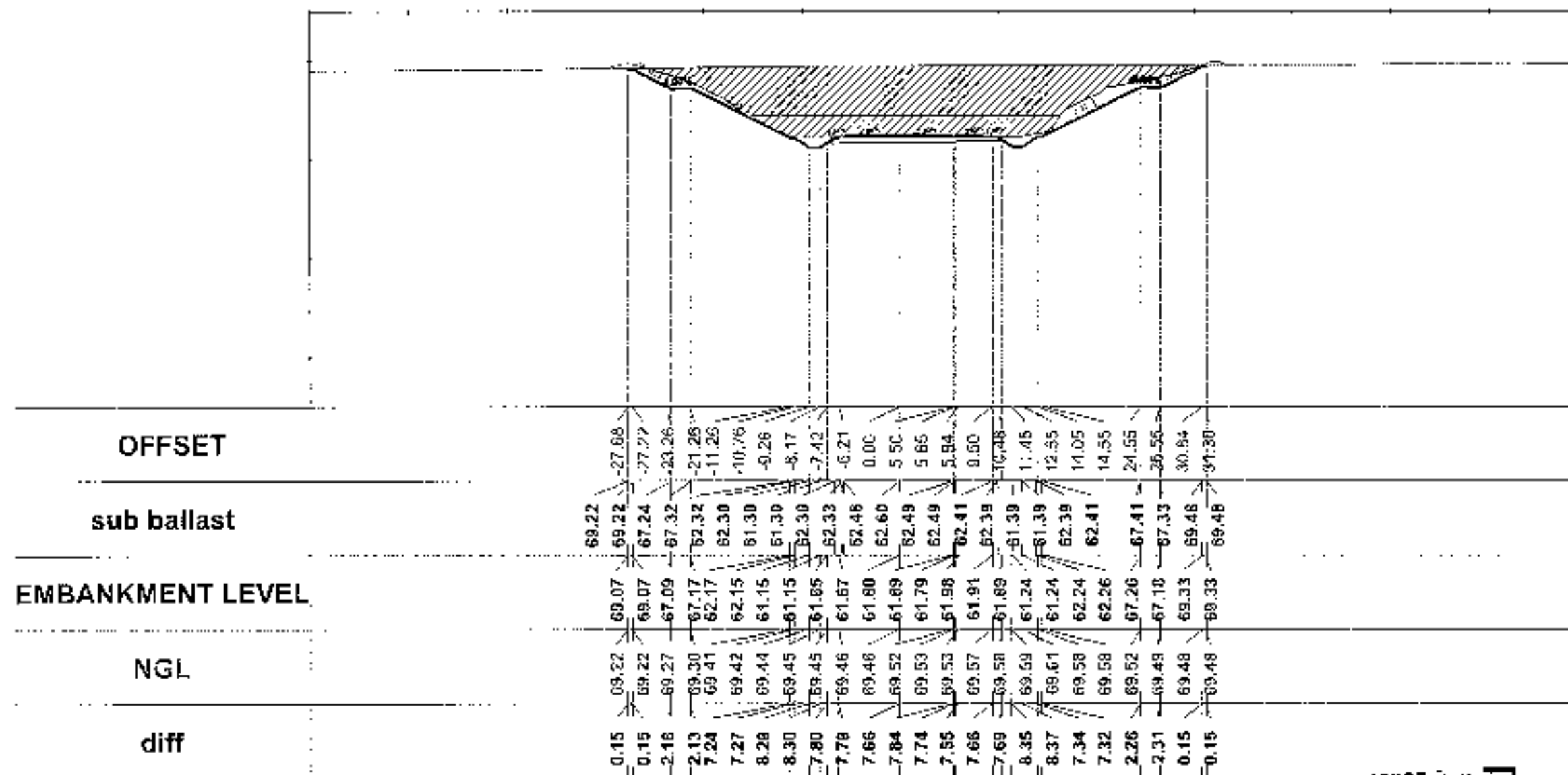
SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+100 TO 62+100
Baha Subarea - Al-Jawf Railway Project

DWG SCALE 1:500	DESIGNED BY Dr. Mohamed Ghannouch	PROJECT
PHASE	CHECKED BY Dr. Hassan Mahdy	APPROVED BY Dr. Ahmed Khalil
DWG SIZE A3	SHEET NUMBER 42	

60+820.00			
Material Name	Area	Volume	CUM VOL
For Depth From 0-5	209.81	4210.47	191.163 26
For Depth From 5-10	60.48	1202.74	11.800.11
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+820.00



مجلس إدارة
الهيئة العامة
لإدارة السكك الحديدية
بمصر

مجلس إدارة
الهيئة العامة
لإدارة السكك الحديدية
بمصر

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
▧	FOR DEPTH FROM 10 TO 15
▦	FOR DEPTH FROM 15 TO 20
▤	SubBallast hatch
▥	prepared Subgrade hatch

DATE: 12/1/2024	DATE: 12/1/2024
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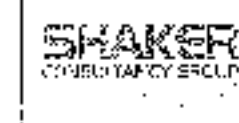
OWNER :



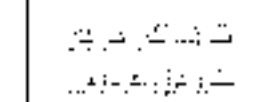
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



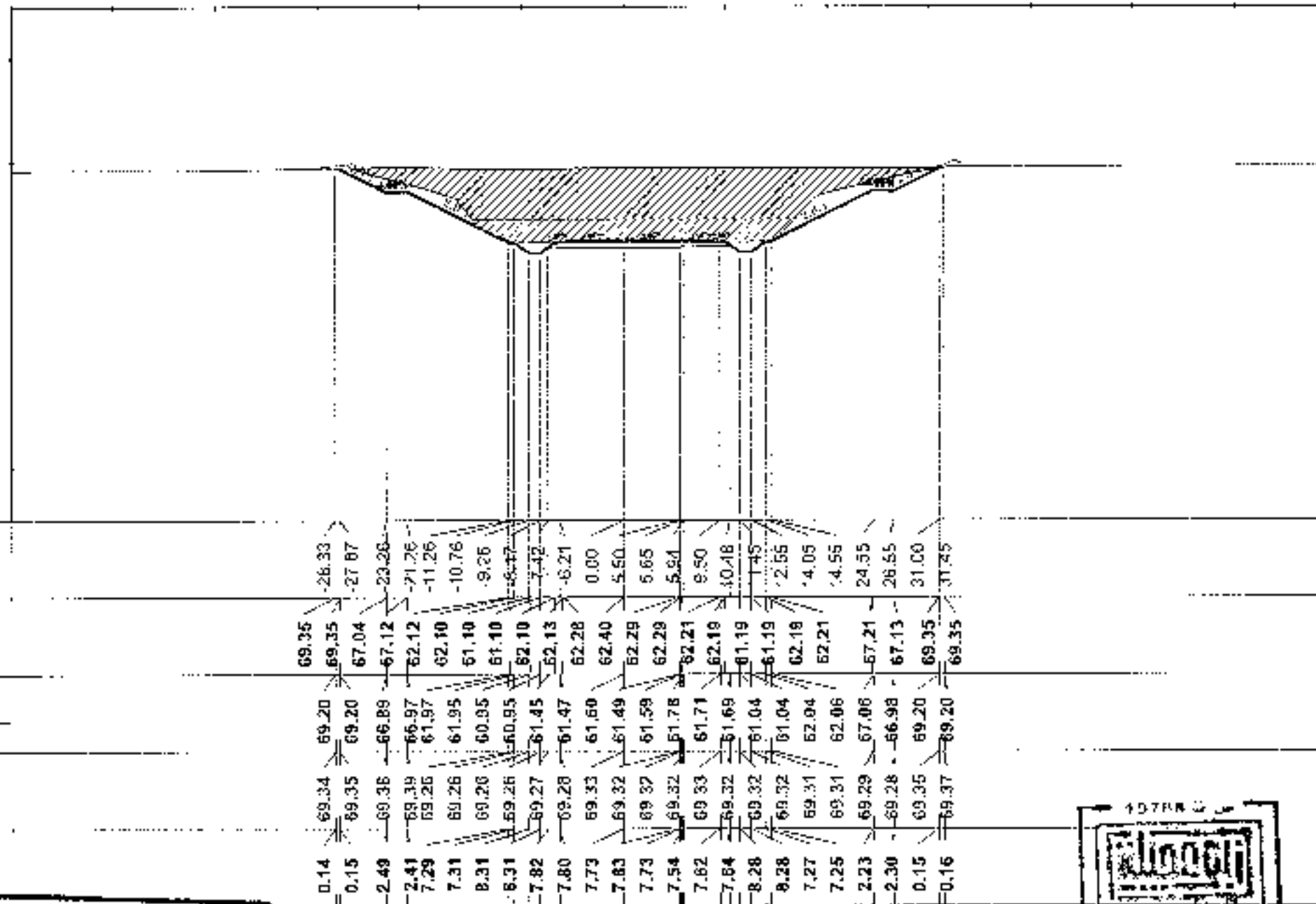
SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
New Salama - 4 Line for Railway Project

DWG SCALE: 1:500	DESIGNED BY: Dr Mohamed Charab	PROJECT:
PLANT:	CHECKED BY: Dr Elwan Alyan	APPROVED BY: Dr Ahmed Khatib
DWG SIZE: A3	SHEET NUMBER: 43	

60+840.00			
Category Name	Area	Volume	CUMVOL
For Depth From 0-5	202.50	4126.01	156749.27
For Depth From 5-10	65.28	1280.60	12568.71
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+840.00



Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

Legend:

---	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

PR:	Encl. attached For	DATE	12/11/2024
	APPROVED	DATE	12/11/2024

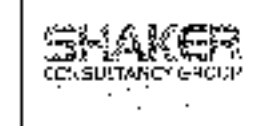
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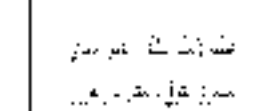
Main Contractor:



General Consultant:



Contractor Consultant:



SURVEY Consultant:



SHEET NAME:

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Ras Salama - 6 October Railway - Project

DWG SCALE: 1:500	DESIGNED BY: Dr. Mohamed Ghannem	PROJECT
PHASE	CHECKED BY: Dr. Hassan Mahdy	APPROVED BY: Dr. Ahmed Khalil
DWG SIZE: A3	SHEET No. 44/4	

مهندس محمد عبد الله بن محمد
14/11/2024
مهندس



60+860.00			
Material Name	Area	Volume	CUMVOL
For Depth From 0-3	256.14	4388.57	131177 d1
For Depth From 3-10	13.89	1391.70	13081.11
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+860.00

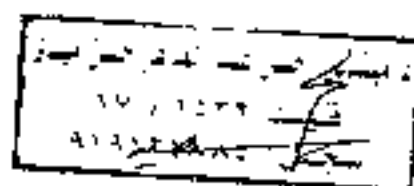
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE	ENG. Ahmed Far	AMIRAL	DR. MOHAMMED GUAR
15/10/2023			

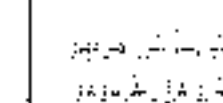
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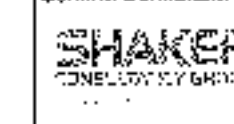
Main Contractor



Contractor Consultant



General Consultant :



SURVEY Consultant



SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Bani Salim - Al Qudrah Railway Project

DWG SCALE	DESIGNED BY	PROJECT
1:500	Dr. Mohamed Gharib	
PHASE	CHECKED BY	APPROVED BY
	Dr. Hassan Muly	Dr. Ahmed Khalil
DWG SHEET	SHEET NUMBER	
40	45	

60+900.00			
Material Name	Area	Volume	CLM VOL
For Depth From 0-5	218.38	4743.64	151.562332
For Depth From 5-10	97.60	1810.07	11.963.61
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+900.00

OFFSET

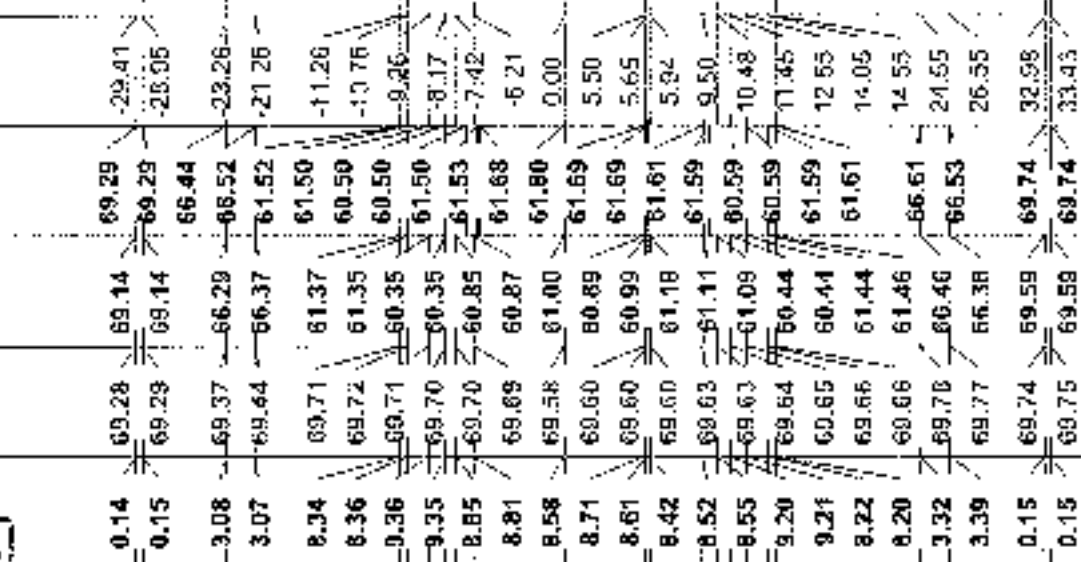
sub ballast

EMBANKMENT LEVEL

NGL

diff

17/12/2024
مجلس إدارة
الهيئة العامة
لإدارة الطرق
والمواصلات
بمحافظة
البحرين



197080
RUBBER
ADHESION
197080

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE	DATE	DATE
17/12/2024	17/12/2024	17/12/2024

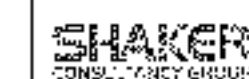
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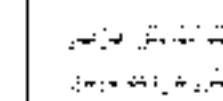
Main Contractor



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Bani Salama - Safer Railway Station

DWG SCALE	DESIGNED BY	PROJECT
1:500	Dr. Mohamed Chahid	
PHASE	CHECKED BY	APPROVED BY
	Dr. Hamed Mubad	Dr. Ahmed Khalil
DWG SIZE	SHEET NUMBER	
A3	47	

60+920.00			
Material Name	Area	Volume	CUMYOL
For Depth From 0-5	252.31	4866.90	155540.22
For Depth From 5-10	101.40	1990.83	19351.44
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+920.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff

مهندس محمد عبد الله عبد الله
10/10/2024
مهندس محمد عبد الله عبد الله



Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DRG. Ahmed Fahmy DATE: 12/10/2024	AMAD M DATE: 10/10/2024	CR. Mohamed Ghannem DATE: 10/10/2024
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OWNER :



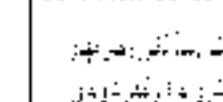
Main Contractor:



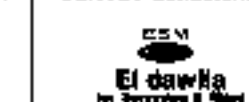
General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Rash Salama - a October Railway Project

DWG SCALE: 1:500	DESIGNED BY: Dr Mohamed Ghannem	PROJECT
FEASE	CHECKED BY: Dr Hassan Mahdy	APPROVED BY: Dr Ahmed Khalil
DWG SIZE: A3	SHEET NUMBER 48	

60+940.00			
Material Name	Area	Volume	CUMVOL
For Depth From 0-5	266.09	5183.92	189733.11
For Depth From 5-10	126.81	2282.43	21633.35
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+940.00

OFFSET
sub ballast
EMBANKMENT LEVEL
NGL
diff

تصميم المقطع العرضي
14/12/2014
مهندس

10788
ELECTRA
RESEARCH
مركز أبحاث الكهرباء
من 1991-1993

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

-----	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DESIGNED BY DATE: 10/12/2014	APPROVED BY DATE: 12/12/2014
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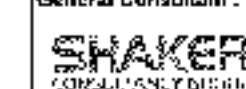
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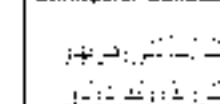
Main Contractor:



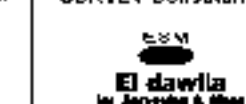
General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM (60+000 TO 62+000)
Bani Saeed - 6 October Railway Project

DWG SCALE: 1:500	DESIGNED BY: Dr Mohamed Ghannab	PROJECT
PHASE	CHECKED BY: Dr Hassan Mady	APPROVED BY: Dr Adnan Khalil
DWG SIZE: A2	SHEET NUMBER: 49	

60+60.00			
Material Name	Area	Volume	CUMMOL
For Depth From 0-5	251.48	5405.61	166139.51
For Depth From 5-10	117.69	2745.29	21982.16
For Depth From 10-15	0.00	0.00	0.00
For Depth From 15-20	0.00	0.00	0.00

60+960.00

OFFSET																
sub ballast																
EMBANKMENT LEVEL																
NGL																
diff																
	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	69.93	69.93	69.93	69.93	69.93	69.93	69.93	69.93	69.93	69.93	69.93	69.93	69.93	69.93	69.93	69.93
	69.78	69.78	69.78	69.78	69.78	69.78	69.78	69.78	69.78	69.78	69.78	69.78	69.78	69.78	69.78	69.78
	65.69	65.69	65.69	65.69	65.69	65.69	65.69	65.69	65.69	65.69	65.69	65.69	65.69	65.69	65.69	65.69
	65.77	65.77	65.77	65.77	65.77	65.77	65.77	65.77	65.77	65.77	65.77	65.77	65.77	65.77	65.77	65.77
	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90
	60.77	60.77	60.77	60.77	60.77	60.77	60.77	60.77	60.77	60.77	60.77	60.77	60.77	60.77	60.77	60.77
	60.75	60.75	60.75	60.75	60.75	60.75	60.75	60.75	60.75	60.75	60.75	60.75	60.75	60.75	60.75	60.75
	59.90	59.90	59.90	59.90	59.90	59.90	59.90	59.90	59.90	59.90	59.90	59.90	59.90	59.90	59.90	59.90
	59.75	59.75	59.75	59.75	59.75	59.75	59.75	59.75	59.75	59.75	59.75	59.75	59.75	59.75	59.75	59.75
	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90	60.90
	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93	60.93
	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08
	61.20	61.20	61.20	61.20	61.20	61.20	61.20	61.20	61.20	61.20	61.20	61.20	61.20	61.20	61.20	61.20
	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08	61.08
	61.09	61.09	61.09	61.09	61.09	61.09	61.09	61.09	61.09	61.09	61.09	61.09	61.09	61.09	61.09	61.09
	61.01	61.01	61.01	61.01	61.01	61.01	61.01	61.01	61.01	61.01	61.01	61.01	61.01	61.01	61.01	61.01
	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99
	59.99	59.99	59.99	59.99	59.99	59.99	59.99	59.99	59.99	59.99	59.99	59.99	59.99	59.99	59.99	59.99
	59.98	59.98	59.98	59.98	59.98	59.98	59.98	59.98	59.98	59.98	59.98	59.98	59.98	59.98	59.98	59.98
	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99	60.99
	61.81	61.81	61.81	61.81	61.81	61.81	61.81	61.81	61.81	61.81	61.81	61.81	61.81	61.81	61.81	61.81
	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55	14.55
	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55	24.55
	26.55	26.55	26.55	26.55	26.55	26.55	26.55	26.55	26.55	26.55	26.55	26.55	26.55	26.55	26.55	26.55
	35.23	35.23	35.23	35.23	35.23	35.23	35.23	35.23	35.23	35.23	35.23	35.23	35.23	35.23	35.23	35.23
	35.68	35.68	35.68	35.68	35.68	35.68	35.68	35.68	35.68	35.68	35.68	35.68	35.68	35.68	35.68	35.68

مهندس محمد عبد الله
مهندس محمد عبد الله
مهندس محمد عبد الله



Notes:

SubBallast Depth = 30 cm.
PreparedSubgradeDepth=50cm

legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

DATE	12/1/2024	DATE	12/1/2024
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OWNER :



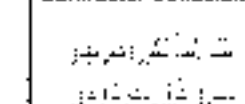
Main Contractor:



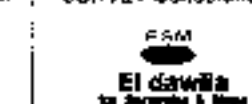
General Consultant :



Contractor Consultant



SURVEY Consultant

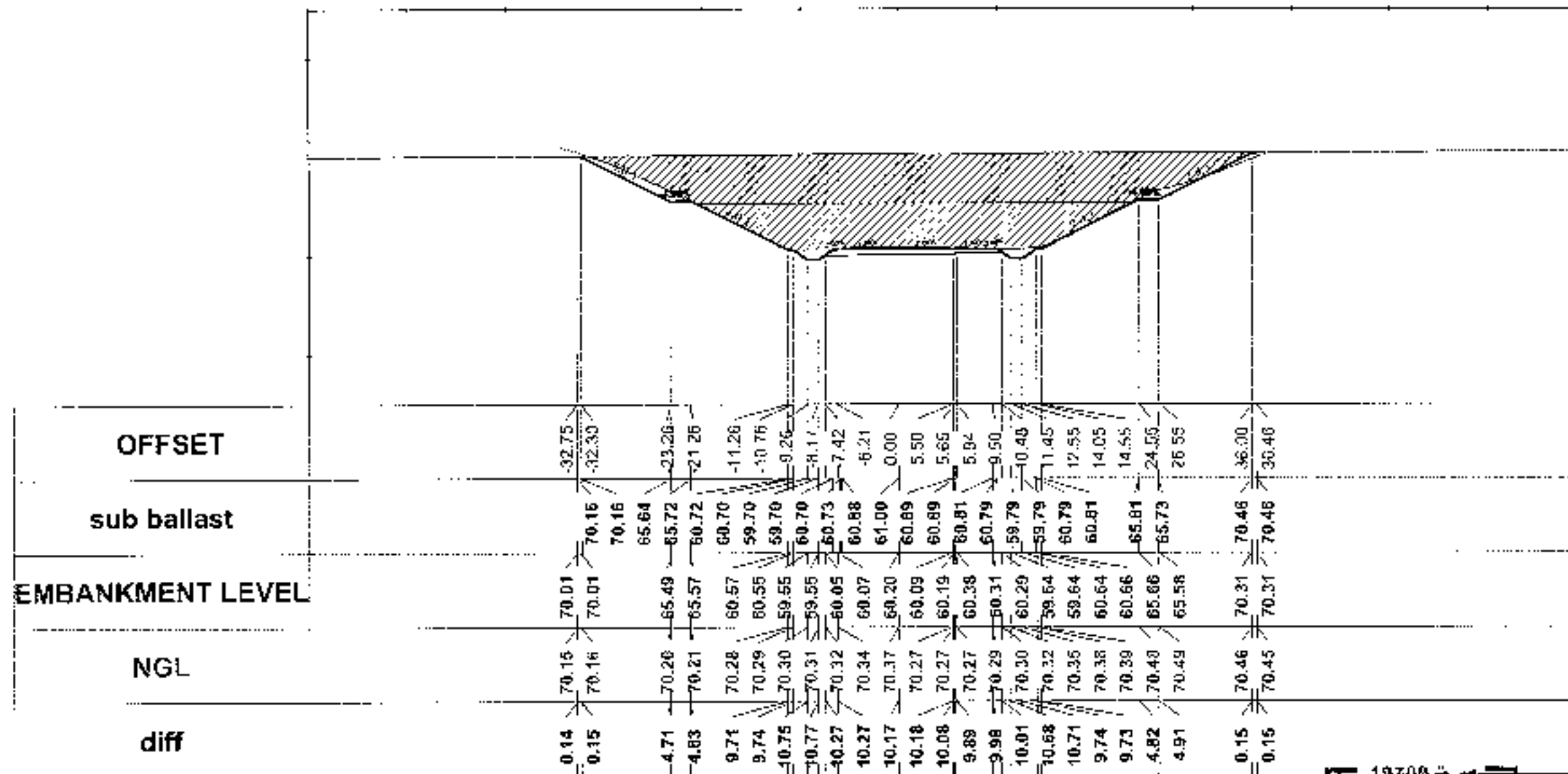


SHEET NAME :

Shop Drawing Design-cross sections
STATIONS FROM 60+000 TO 62+000
Jeddah Salama - A Citystar Railway Project

DESIGNED BY	Dr. Mohamed Ghannem	PROJECT
CHECKED BY	Dr. Hassan Mady	APPROVED BY
DATE	12/1/2024	SHEET NUMBER
50		

604480.00			
Material Name	Area	Volume	UNIT PRICE
For Depth From 0-5	279.13	5536.07	19.8311.92
For Depth From 5-10	161.97	3126.56	19.3081.93
For Depth From 10-15	3.00	0.00	0.00
For Depth From 15-20	3.00	0.00	0.00



Notes:

61+000.00			
Material Name	Area	Volume	CUMMUL
For Depth From 0-5	288.25	5683.29	173.159.11
For Depth From 5-10	152.52	3174.94	30663.66
For Depth From 10-15	0.00	0.00	8.69
For Depth From 15-20	0.00	0.00	8.69

61+000.00

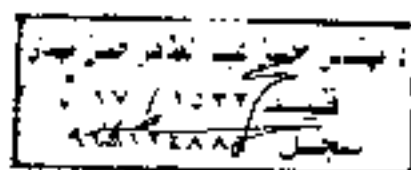
OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff



Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

DATE	21/10/2019
DATE	21/10/2019

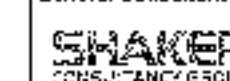
OWNER :



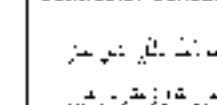
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



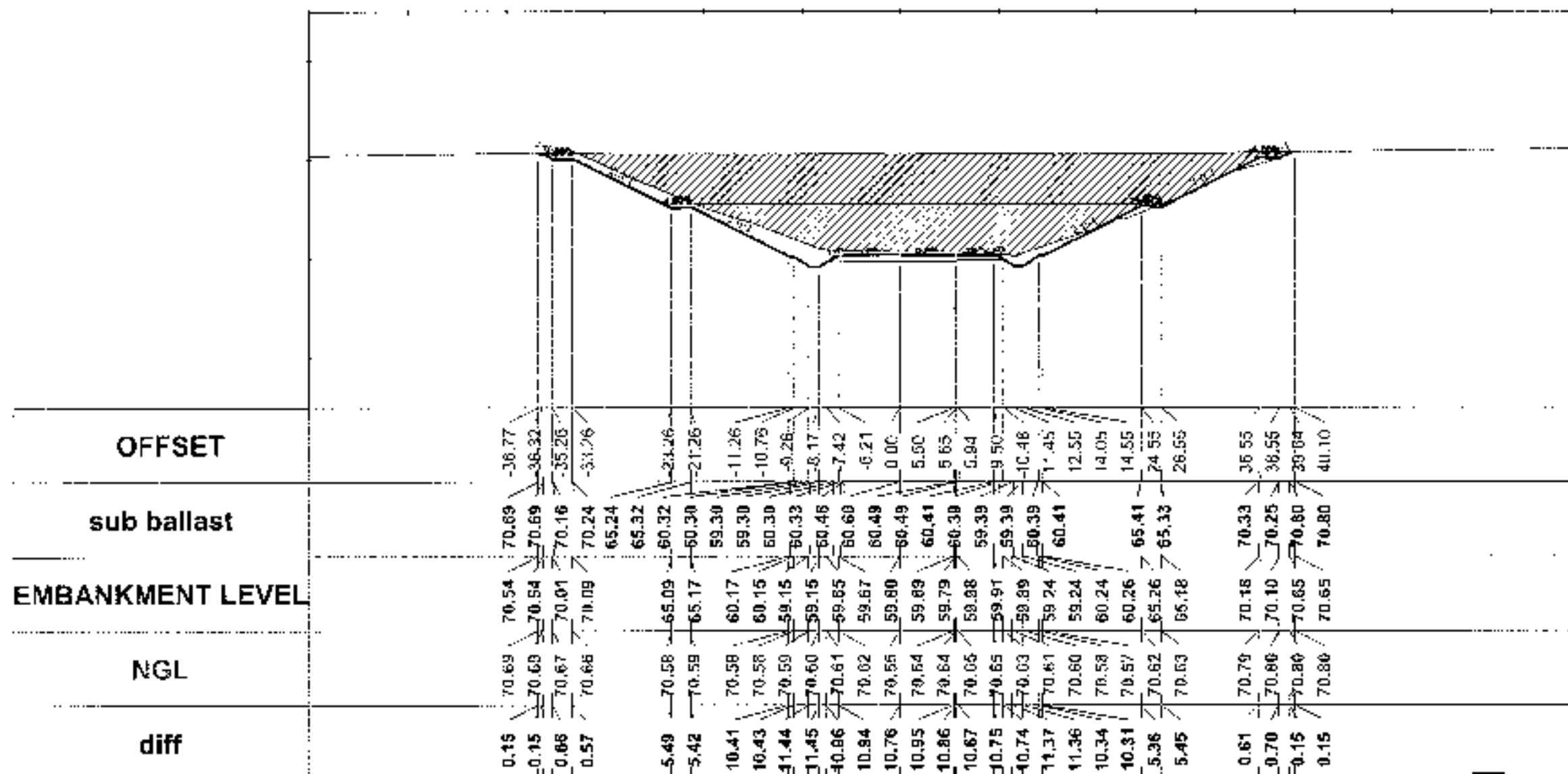
SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Rasid Salama - 5 October Rd. way Project

DWG SCALE 1:500	DESIGNED BY Dr. Mohamed Ghaleb	PROJECT
PHASE	CHECKED BY Dr. Hossam Mady	APPROVED BY Dr. Amr Khalil
DWG SIZE: A1	SHEET NUMBER 52	

61+020.00			
Material Name	Area	Volume	CUMVOL
For Depth From 0-5	333.12	5893.27	189151.36
For Depth From 5-10	161.00	3138.24	33821.90
For Depth From 10-15	5.32	5.16	5.16
For Depth From 15-20	0.00	0.00	0.00

61+020.00



مهندس محمد عبد الحفيظ محمد احمد
17/12/2024
مجلد 1



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DESIGNED FOR	APPROVED	DR. MUHAMMAD GUARDA
DATE: 17/12/2024		DATE: 17/12/2024

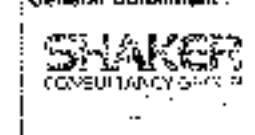
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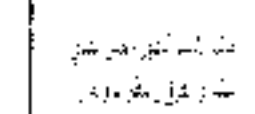
Main Contractor:



General Consultant:



Contractor Consultant:



SURVEY Consultant:



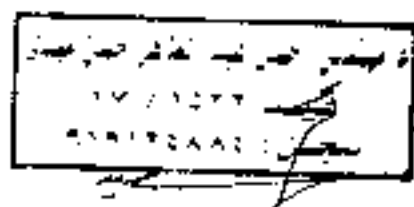
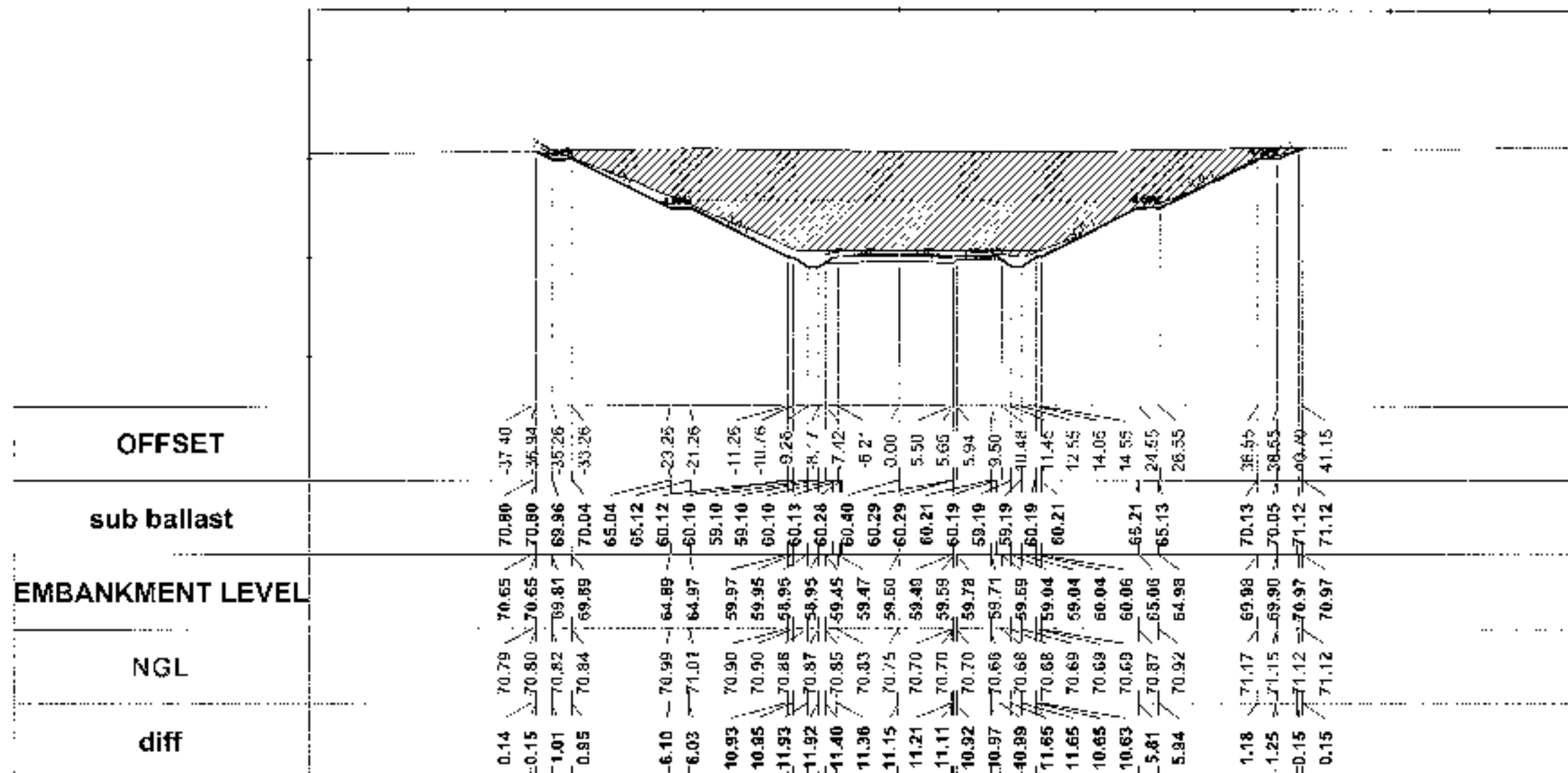
SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Rim Salami - 6000000 Highway Project

DWG SCALE: 1:500	DESIGNED BY: Dr. Mohamed Guardia	PROJECT
PHASE:	CHECKED BY: Dr. Hassan Mady	APPROVED BY: Dr. Ahmed Khatib
DWG SHEET: A3	SHEET NUMBER: 53	

61+0+00			
Material Name	Area	Volume	CUMVOL
For Depth From 0-5	117.03	8171.49	169122.89
For Depth From 5-10	181.68	3459.81	37281.71
For Depth From 10-15	1.23	47.48	48.98
For Depth From 15-20	1.30	0.00	0.00

61+040.00



Notes:
SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:	
	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

FOR APPROVAL	DATE 12/1/2014
FOR APPROVAL	DATE 12/1/2014

OWNER :

Main Contractor:

Contractor Consultant

SHEET NAME :

DESIGNED BY:

CHECKED BY:

APPROVED BY:

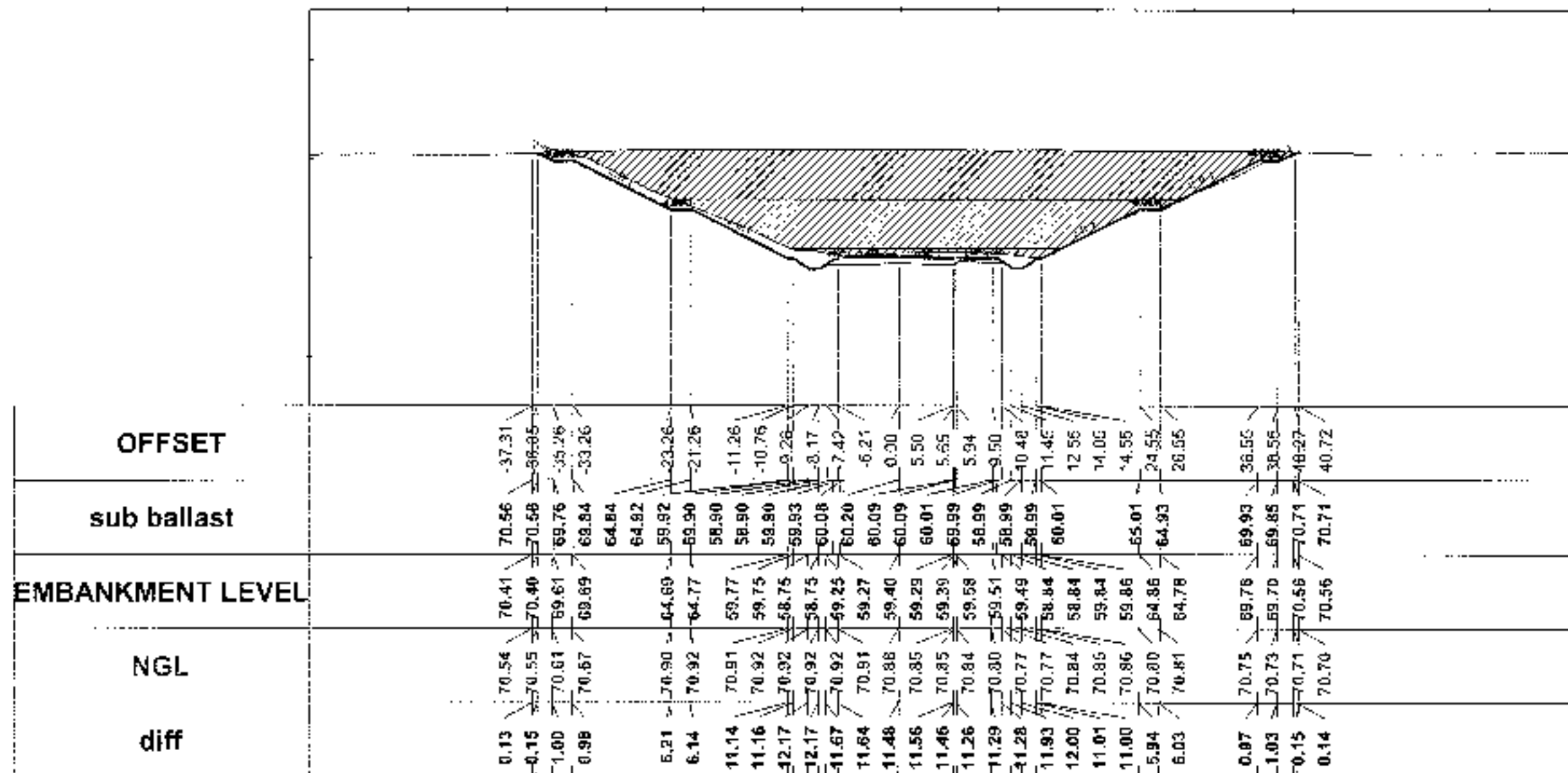
DATE 12/1/2014

DATE 12/1/2014

DATE 12/1/2014

61+060.00			
Material Name	Area	Volume	CUM/MOL
For Depth From 0-5	310.77	8277.75	193700.00
For Depth From 5-10	198.50	3782.15	11283.85
For Depth From 10-15	10.21	174.67	227.28
For Depth From 15-20	0.00	0.00	0.00

61+060.00



مهندس كمال محمد عبد الجبار
قياس 1/1000
مهندس



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth= 50cm

Legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

ENG. Ahmed Far	DATE: 10/7/2013
DATE: 10/7/2013	DATE: 10/7/2013

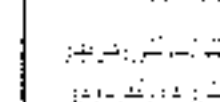
OWNER :



Main Contractor:



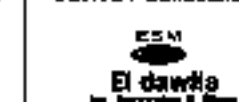
Contractor Consultant:



General Consultant:



SURVEY Consultant:



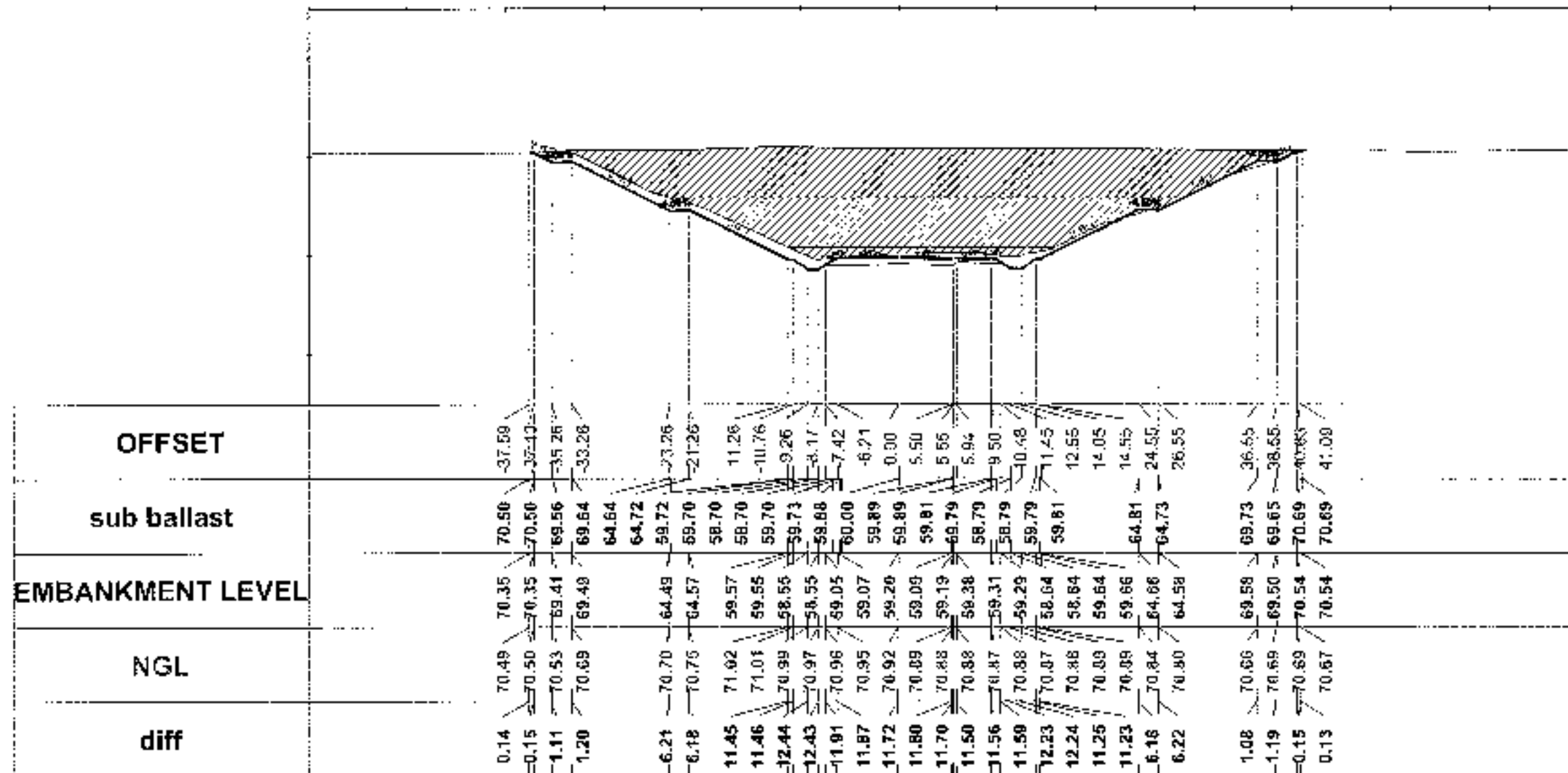
SHEET NAME:

Shp Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Ibn Salama - Umm Al-Raihan Railway Project

DWG SCALE: 1:500	DESIGNED BY: Dr. Mohamed Ghannem	PROJECT
PHASE	CHECKED BY: Dr. Hassan Nadeh	APPROVED BY: Dr. Ahmed Khaled
DWG SIZE: A3	SHEET NUMBER: 55	

61+080.00			
Material Name	Area	Volume	CFM/ML
For Depth From 0-5	313.33	8240.49	306911.12
For Depth From 5-10	193.92	3874.55	11948.30
For Depth From 10-15	18.35	330.27	532.55
For Depth From 15-20	0.00	0.00	0.00

61+080.00



مهندس محمد عبد الله محمد
مهندس محمد عبد الله محمد
مهندس محمد عبد الله محمد



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth = 50cm

legend:

..... Natural ground level
FOR DEPTH FROM 0 TO 5
FOR DEPTH FROM 5 TO 10
FOR DEPTH FROM 10 TO 15
FOR DEPTH FROM 15 TO 20

SubBallast hatch
prepared Subgrade hatch

DATE: 12/1/2024
DRAWN: [Name]
CHECKED: [Name]
DATE: 12/1/2024

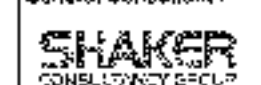
OWNER :



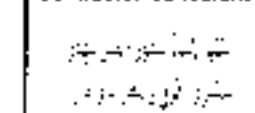
Main Contractor:



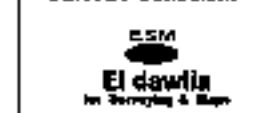
General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
San Salamb - 4 October Railway Project

DWG SCALE: 1:500
DESIGNED BY: Dr. Mohamed Gharaib
PROJECT
CHECKED BY: Dr. Hassan Mahdy
APPROVED BY: Dr. Ahmed Elshah
DWG SIZE: A3
SHEET NUMBER: 56

61+100.00			
Material Name	Area	Volume	UNIT VOL
For Depth From 0-5	315.78	6290.84	33023.06
For Depth From 5-10	190.38	3844.99	16784.39
For Depth From 10-15	19.56	383.54	911.10
For Depth From 15-20	0.00	0.00	0.00

61+100.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff

0.16	70.33	70.17	70.32	-37.64
-0.15	70.32	70.17	70.32	-37.49
-1.09	70.30	69.21	69.36	-35.26
-0.96	70.25	69.29	69.44	-32.28
			64.44	
			64.52	
-6.02	70.31	64.29	59.52	-23.26
-5.97	70.34	64.37	59.50	-22.26
11.13	70.50	59.37	58.50	-11.26
11.18	70.51	59.35	58.50	-10.76
-12.18	70.53	58.35	59.53	9.26
-12.19	70.54	58.35	59.68	8.17
-11.70	70.55	58.85	59.80	7.42
11.70	70.57	58.87	59.68	-6.21
11.68	70.66	59.00	59.69	0.00
11.84	70.73	58.89	59.61	5.50
11.74	70.73	58.99	59.59	5.65
11.55	70.73	59.18	58.59	5.94
11.64	70.75	59.11	58.59	9.50
-11.86	70.74	58.09	59.59	-10.16
12.30	70.74	58.44	59.81	11.45
12.29	70.73	58.44		12.55
11.28	70.72	58.44		14.05
11.26	70.72	58.46	64.61	14.55
6.32	70.78	64.46	64.53	24.55
6.41	70.80	64.38		26.55
1.58	70.96	68.38	69.53	36.55
1.70	71.00	69.30	69.45	38.55
0.15	70.97	70.82	70.97	41.58
0.14	70.97	70.82	70.97	42.05

مهندس محمد عبد الحليم
17/1/2022
912122222



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth = 50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

ENG. Ahmed Fathy	DATE	17/1/2022
DR. Mohamed Elmaghrabi	DATE	17/1/2022

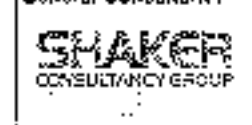
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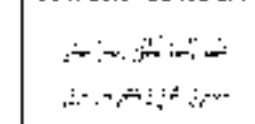
Main Contractor:



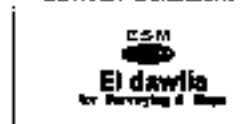
General Consultant :



Contractor Consultant



SURVEY Consultant



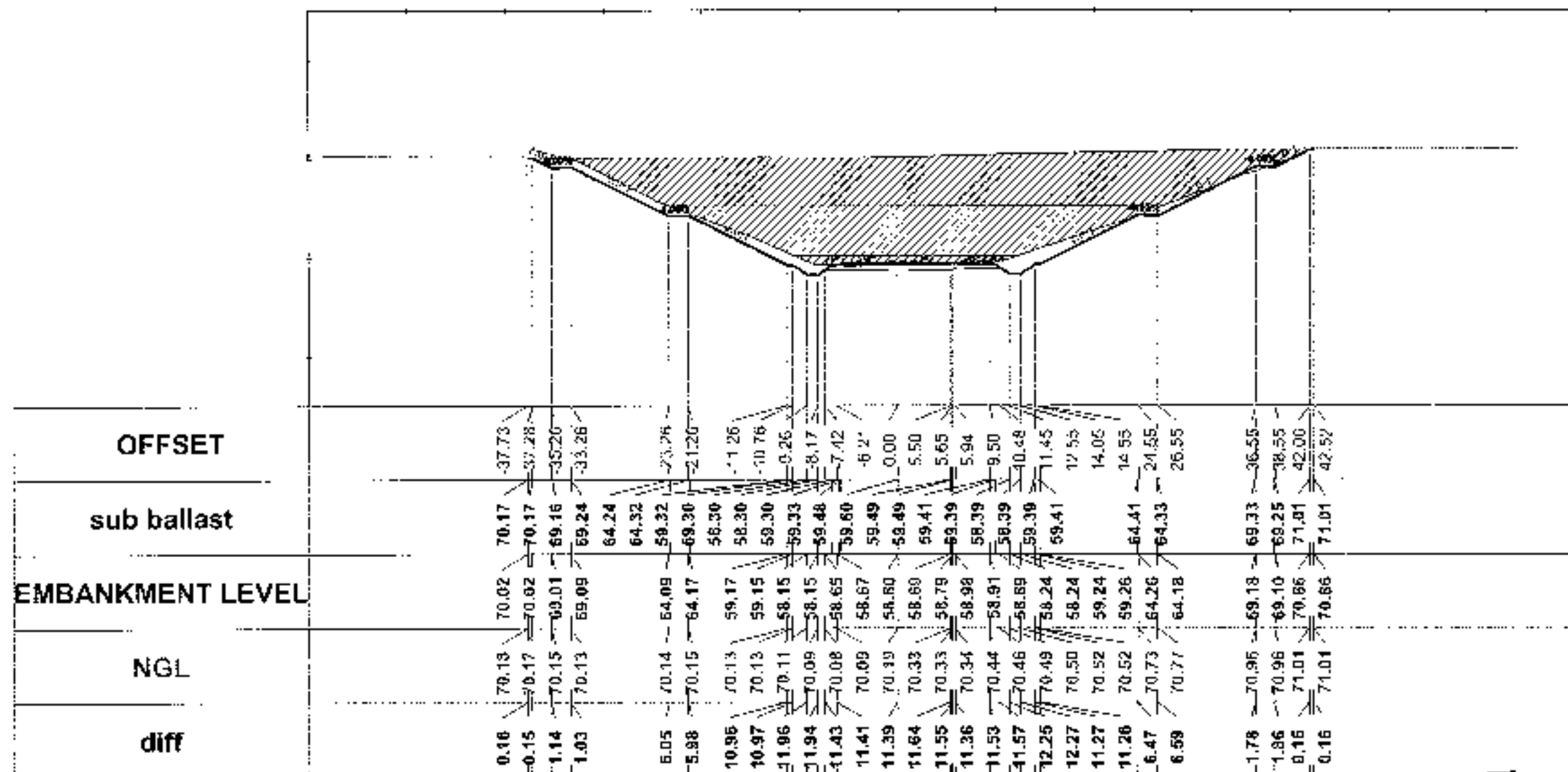
SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Bani Salama - 6 Outer Railway Project

DWG SCALE 1:500	DESIGNED BY Dr. Mohamed Elmaghrabi	PROJECT
PLEASE	CHECKED BY Dr. Hassan Elmaghrabi	APPROVED BY Dr. Ahmed Elmaghrabi
DWG SIZE A1	SHEET NUMBER 57	

61+120.00			
Material Name	Area	Volume	CU M3/M
For Depth From 0-5	127.01	6427.98	211679.91
For Depth From 5-10	181.30	3718.76	52503.15
For Depth From 10-15	18.83	351.81	1283.00
For Depth From 15-20	0.03	0.00	0.00

61+120.00



مهندس محمد علي محمد
17/12/2024
91312888



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	Subballast hatch
	prepared Subgrade hatch

ENG. Ahmed Hani	DATE: 15/12/2024	FOR MOHAMED CHAB	DATE: 15/12/2024
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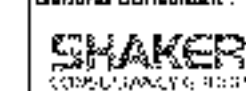
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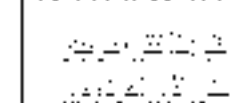
Main Contractor:



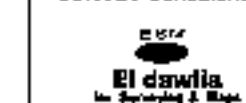
General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Bach Souda - 4 October Railway Project

SCALE:	DESIGNED BY	PROJECT
1:100	Dr. Mohamed Chabab	
FINAL	CHECKED BY	APPROVED BY
	Dr. Hassan Mahdy	Dr. Ahmed Khalil
DWG SIZE	SHEET NUMBER	
A3	58	

61+140.00			
Material Name	Area	Volume	CUMUL
For Depth From 0-5	121.58	8485.93	221115.87
For Depth From 5-10	191.17	3724.68	56126.64
For Depth From 10-15	13.03	294.78	1587.70
For Depth From 15-20	0.00	0.00	0.00

61+140.00

OFFSET

sub ballast

EMBANKMENT LEVEL

NGL

diff

مهندس محمد عبد الحليم
17/10/2024
مهندس محمد عبد الحليم

14788 ٢
مهندس محمد عبد الحليم
17/10/2024

Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE	ENG. ASSOCIATE	APPROVAL	IN CHARGE
12/10/2024			12/10/2024

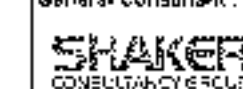
OWNER :



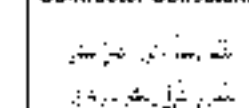
Main Contractor



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

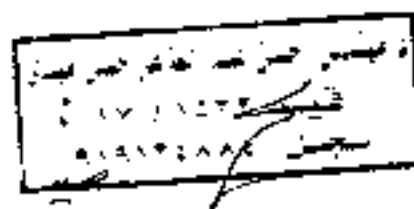
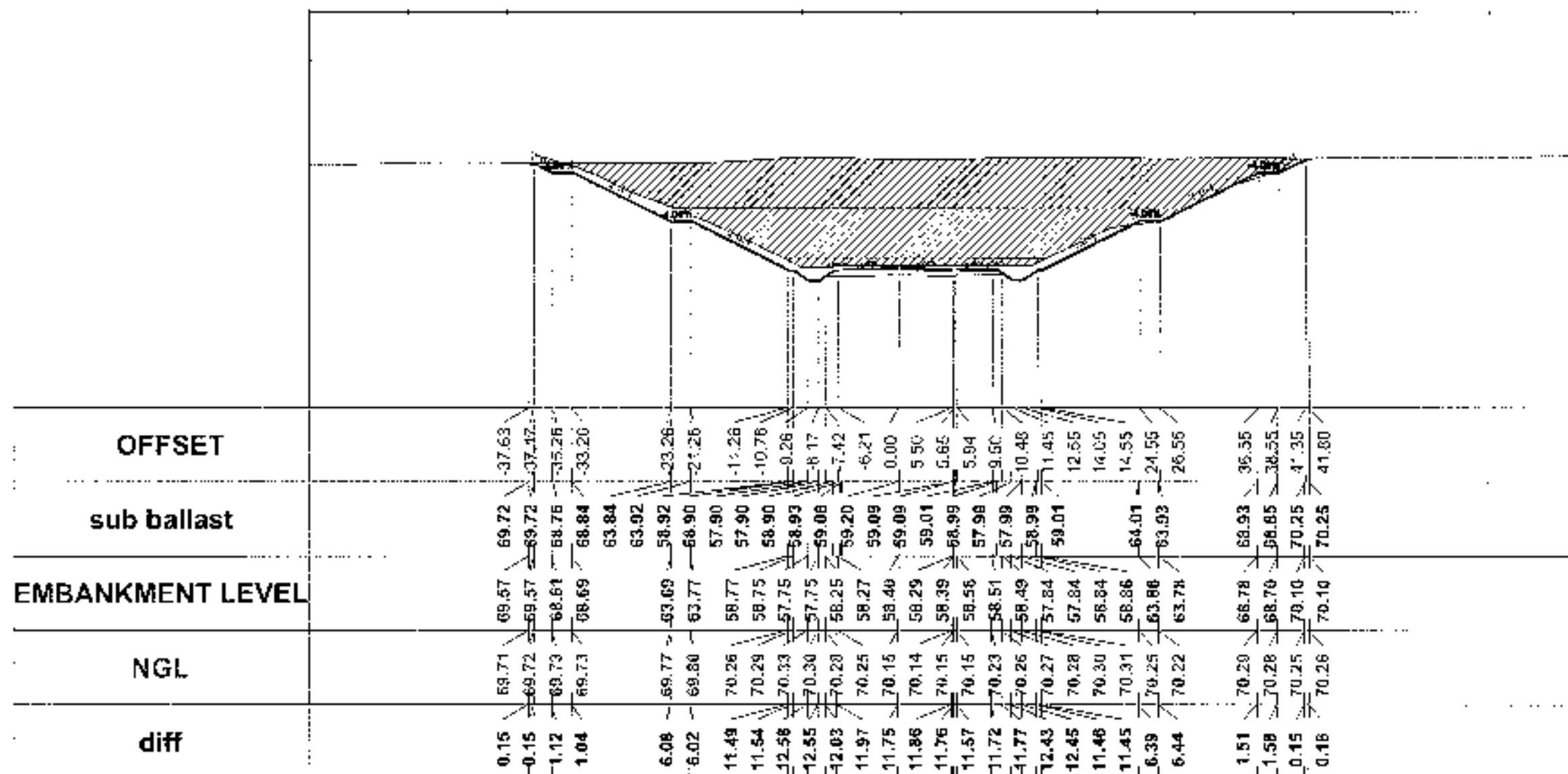
Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000

Bair Salama - a Doha Railway Project

DWG SCALE	DESIGNED BY	PROJECT
1:500	Dr. Mohamed Gharib	
PHASE	CHECKED BY	APPROVED BY
	Dr. Hassan Mawla	Dr. Ahmed Khalil
DWG NO.	SHEET NUMBER	
A2	59	

61+160.00			
Material Name	Area	Volume	CU.M.MIL
For Depth From 0-5	387.19	8387.72	227333.56
For Depth From 5-10	182.74	3839.05	60065.20
For Depth From 10-15	59.52	333.65	1821.11
For Depth From 15-20	0.00	0.00	0.00

61+160.00



Notes:

SubBallast Depth = 30 cm.
PreparedSubgradeDepth=50cm

legend:

-----	Natural ground level
////	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
■■■■	FOR DEPTH FROM 10 TO 15
■■■■	FOR DEPTH FROM 15 TO 20

■■■■	SubBallast hatch
	prepared Subgrade hatch

Engr. Ahmed Far	ABAYDOL	DR. MOHAMMAD-HI QADAR
DATE 12/1/2024		DATE 12/1/2024

OWNER :



Main Contractor:	General Consultant :

Contractor Consultant	SURVEY Consultant

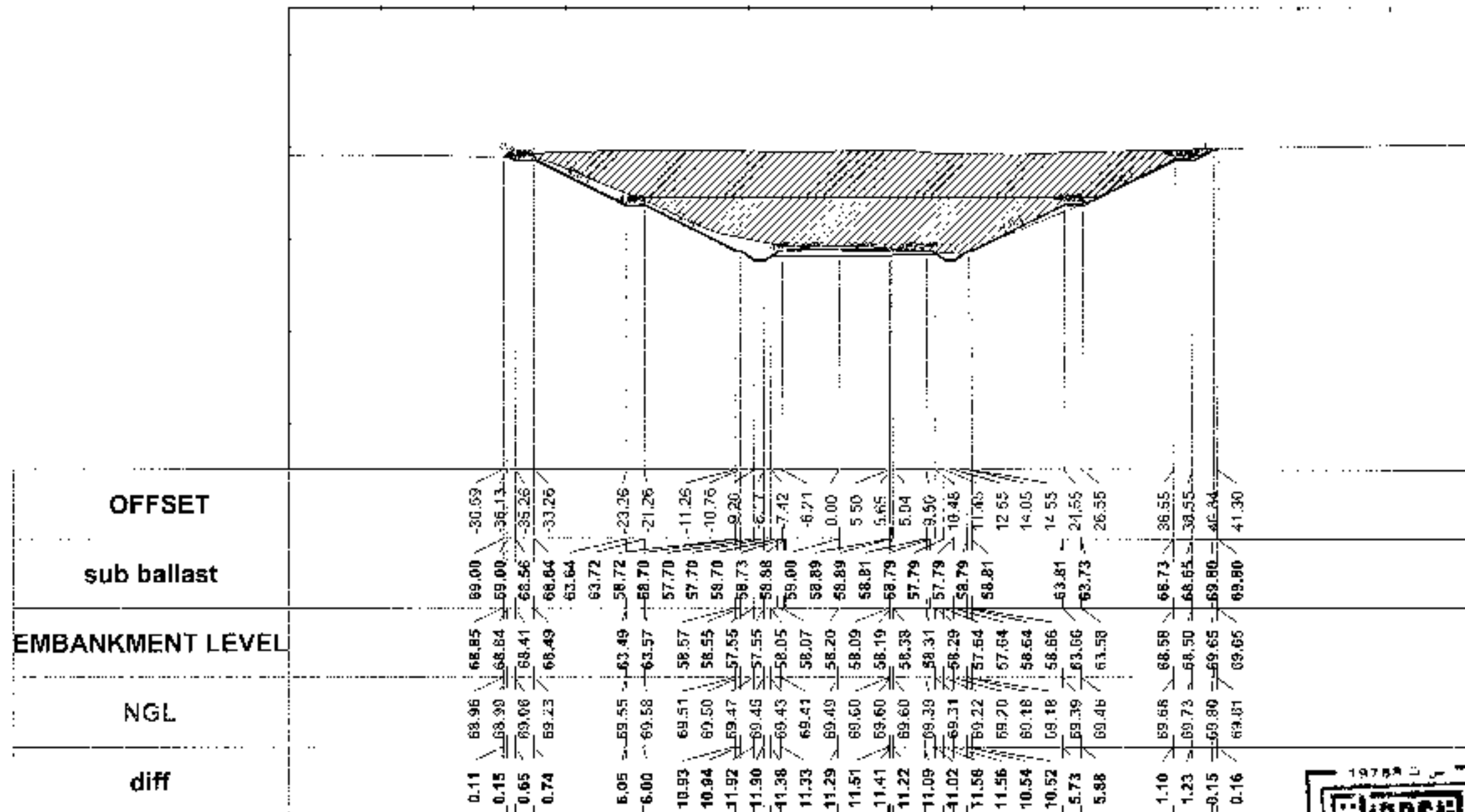
SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Ras Salama - n Outer Railway Project

DWG SCALE: 1:500	DESIGNED BY Dr. Mohamed Qadri	PROJECT
PHASE	CHECKED BY Dr. Hassan Mahdy	APPROVED BY Dr. Ahmed Khalid
DWG SIZE: A3	SHEET NUMBER: 60	

61+180.00			
Material Name	Area	Volume	CU/M3.0L
For Depth From 0-5	307.71	6249.03	203762.00
For Depth From 5-10	187.98	3606.91	62972.70
For Depth From 10-15	12.11	328.23	2517.01
For Depth From 15-20	0.00	0.00	0.00

61+180.00



تصميم حفرية حفرية
مهندس
41912442



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

Dr. Mohamed Chams	DATE: 12/11/2024	DATE: 12/11/2024
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OWNER :



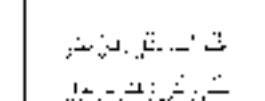
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Riad Salama - 6 Dumbek Railway Project

DWG SCALE: 1:100	DESIGNED BY: Dr. Mohamed Chams	PROJECT
PHASE	CHECKED BY: Dr. Hassan Maly	APPROVED BY: Dr. Ahmed Khalil
DWG SIZE: A1	SHEET NUMBER 61	

61+200.00

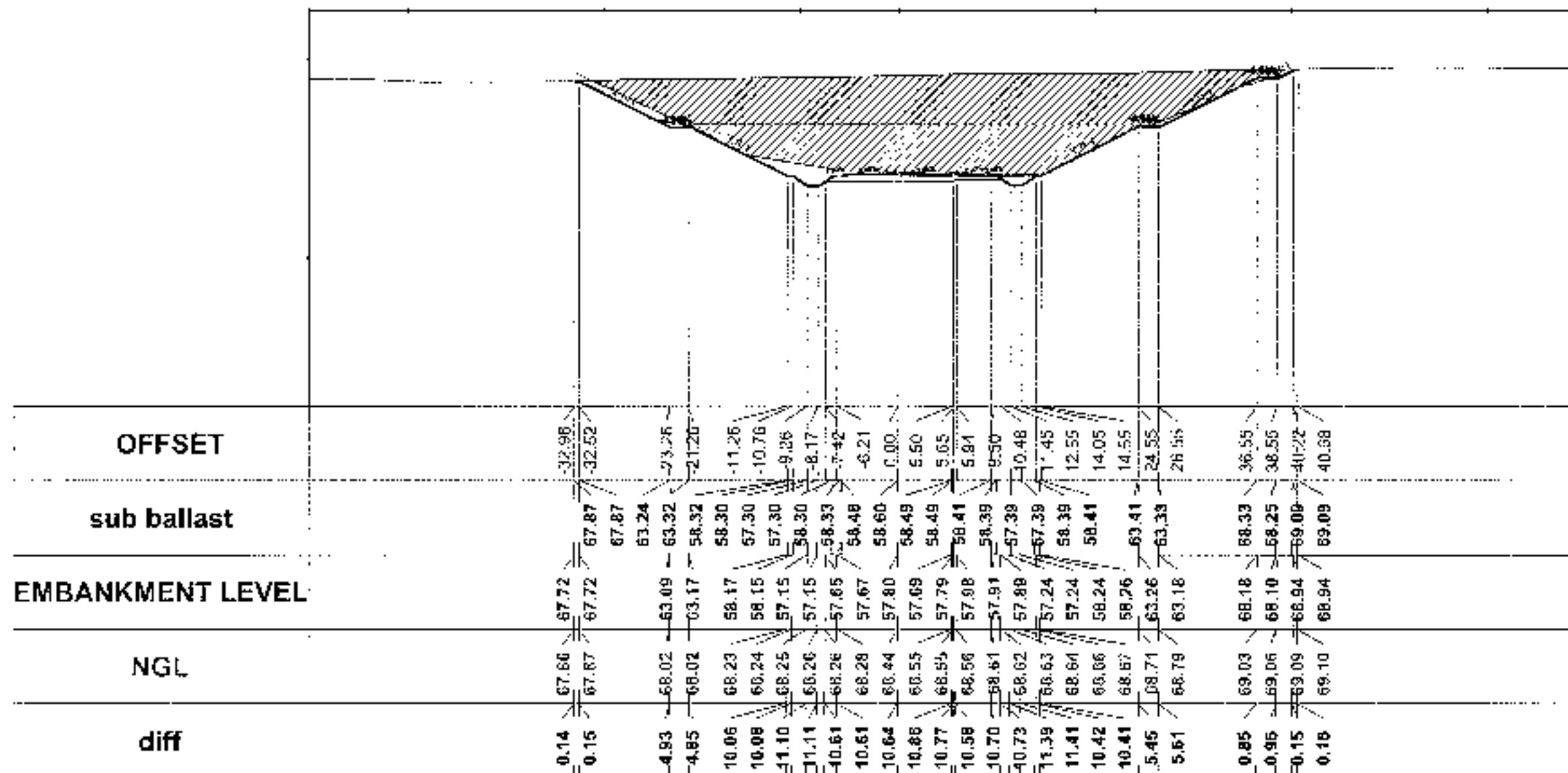
1942

DWG SCALE: 1:500	DESIGNED BY Dr Mohamed Ghandy	PROJECT
RELEASE	CHECKED BY Dr Hassan Mahdy	APPROVED BY Dr Ahmed Khalil
DWG SIZE A3	SHEET NUMBER 60	



61+236.00			
Material Name	Area	Volume	FLYING
For Depth from 0-5	386.65	5977.09	213617.11
For Depth from 5-10	171.11	3338.18	50117.85
For Depth from 10-15	0.73	7.80	346.61
For Depth from 15-20	0.00	0.00	0.00

61+220.00



مجلس إدارة مشروع
17/12/2017
مجلس إدارة مشروع

15780
مجلس إدارة مشروع
17/12/2017
مجلس إدارة مشروع

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

-----	Natural ground level
FOR DEPTH FROM 0 TO 5	
FOR DEPTH FROM 5 TO 10	
FOR DEPTH FROM 10 TO 15	
FOR DEPTH FROM 15 TO 20	
SubBallast hatch	
prepared Subgrade hatch	

ENG. Ahmed Fikri	PROJ. MGR.	FOR MOVED
10/1/2018	10/1/2018	10/1/2018

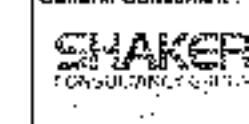
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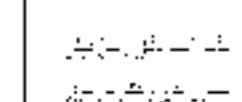
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing Design cross sections
STATIONS FROM 60+000 TO 62+000
Riad Salama - Al Nakhla Railway Project

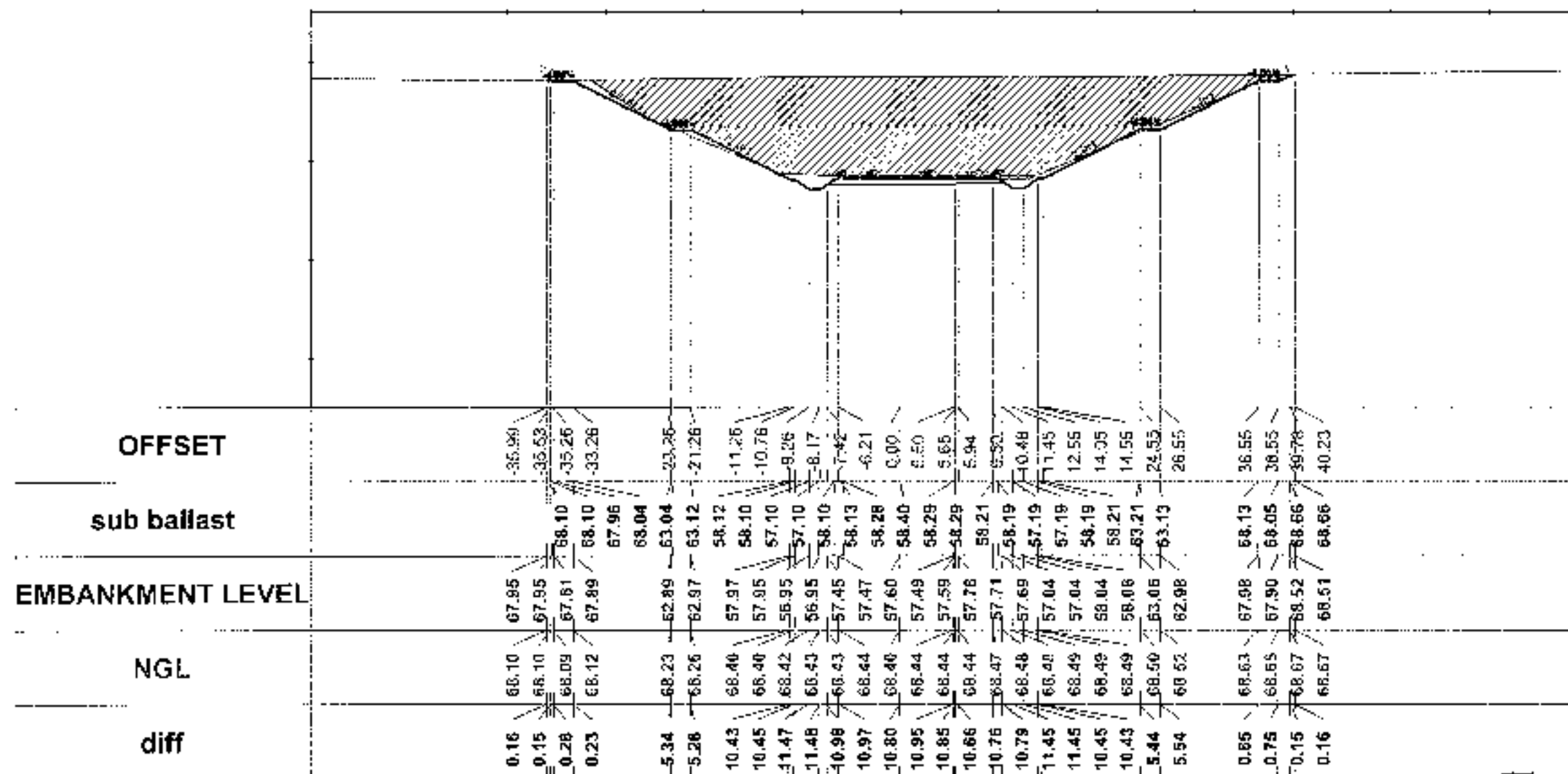
DWG SCALE: 1:500 DESIGNED BY: Dr. Mohamed Ghazib SUBJECT:

PLANS CHECKED BY: Dr. Hamed M. Alshaykh APPROVED BY: Dr. Ahmed Khalil

DWG SIZE: A1 SHEET NUMBER: 63

61+240.00			
Material Name	Area	Volume	CUM.M
For Depth From 0-5	301.25	5979.30	3518.25
For Depth From 5-10	161.31	3554.43	7127.30
For Depth From 10-15	6.19	66.33	211.31
For Depth From 15-20	0.00	0.00	0.00

61+240.00



مختار محمد علي محمد
مهندس
14/1/2019
مختار محمد علي محمد

مختار محمد علي محمد
مهندس
14/1/2019
مختار محمد علي محمد

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

REV	DATE	BY	CHK	APP	DATE	BY	CHK	APP
	12/1/2019							

OWNER :



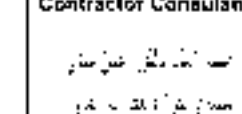
Main Contractor:



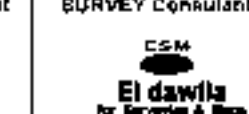
General Consultant :



Contractor Consultant



SURVEY Consultant



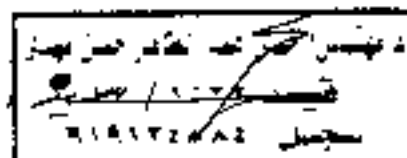
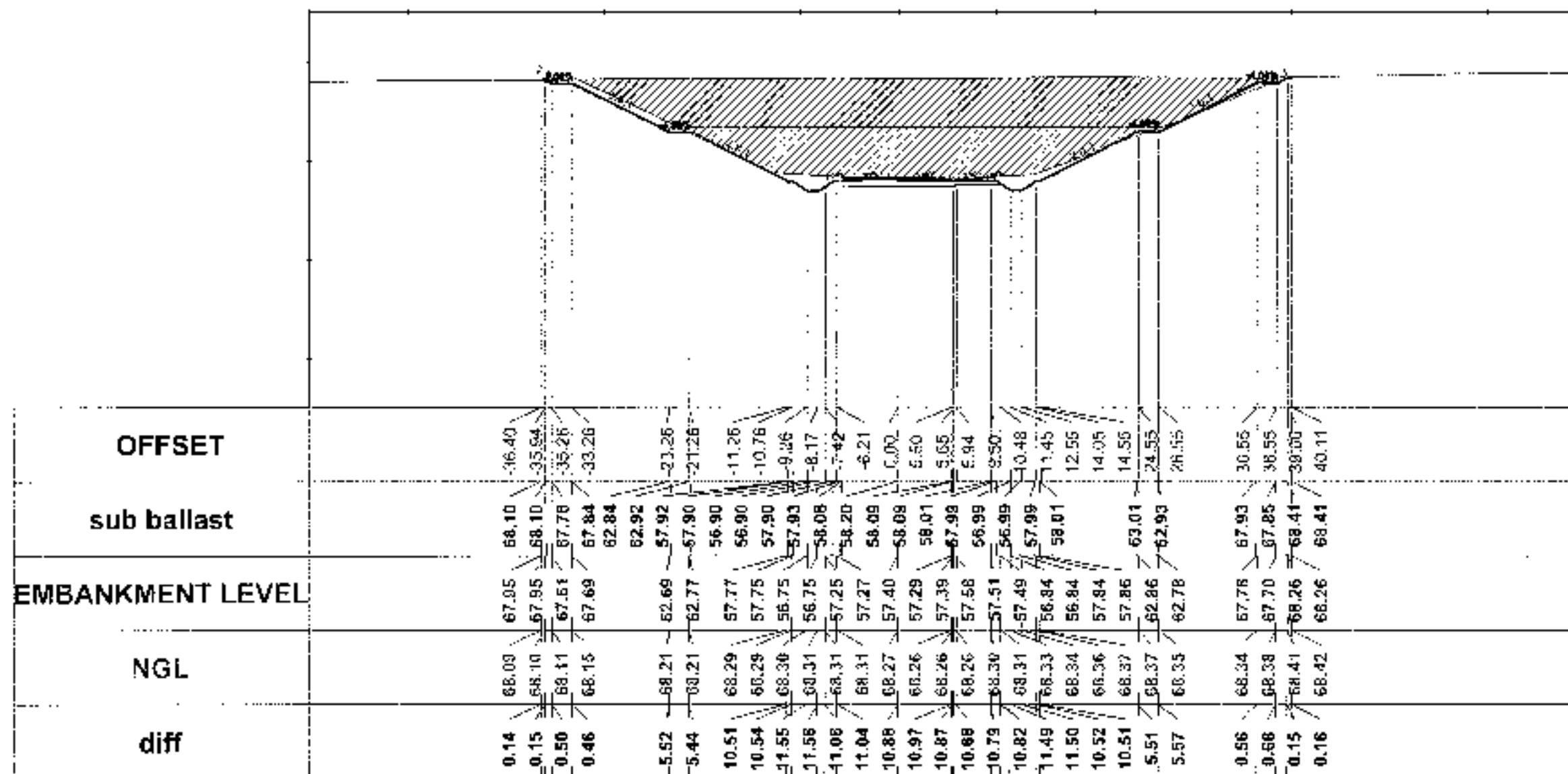
SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Riad Salama - 6 October Railway Project

DWG SCALE 1:500	DESIGNED BY Dr. Mohamed Ghazal	PROJECT
PLATE	CHECKED BY Dr. Hany Mandy	APPROVED BY Dr. Ahmad Shadi
DWG NO. 53	SHEET NUMBER 64	

61+260.00			
Material Name	Area	Volume	CUM TOT.
For Depth From 0-5	301.71	6039.61	257868.05
For Depth From 5-10	182.62	3659.54	17311.62
For Depth From 10-15	3.75	98.68	2513.92
For Depth From 15-20	0.00	0.00	0.00

61+260.00



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

DR. AHMED KHALIL	DATE: 12/11/2022
DR. AHMED KHALIL	DATE: 12/11/2022

OWNER :



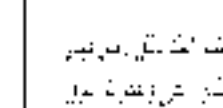
Main Contractor:



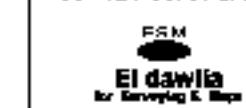
General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing Design-cross sections
STATIONS FROM 60+000 TO 62+000

Road Section - 6 Lanes Roadway Project

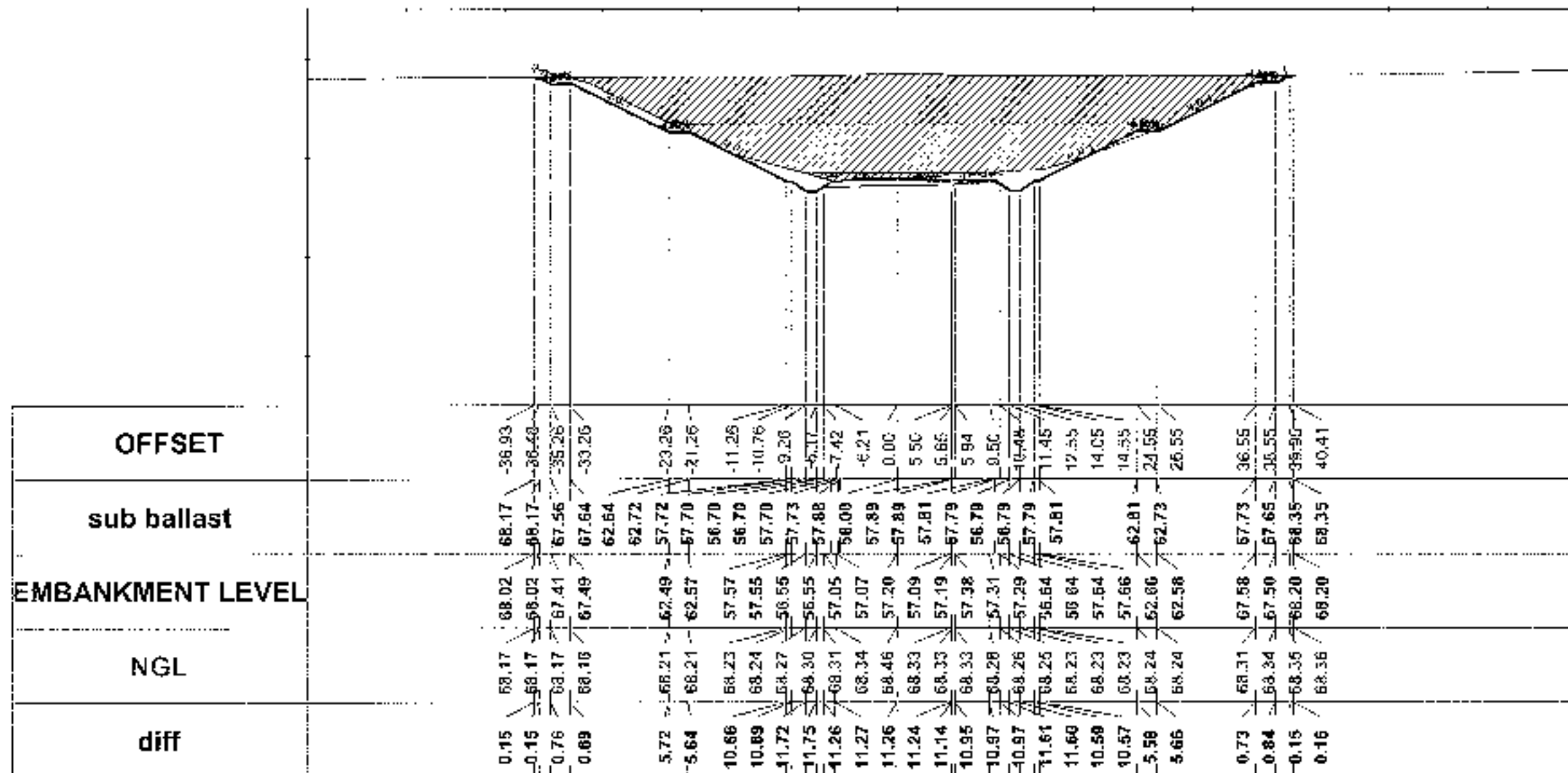
DWG SCALE 1:100	DESIGNED BY Dr. Mohamed Elmaghrabi	PROJECT
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PLANS	CHECKED BY Dr. Hassan Alshaykh	APPROVED BY Dr. Ahmed Khalil
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DWG SCALE A1	SHEET NUMBER 65
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61+280.00			
Material Name	Area	Volume	CU/M
For Depth From 0-5	255.32	5981.23	23417.28
For Depth From 5-10	168.18	3720.98	81882.61
For Depth From 10-15	7.63	111.82	2671.81
For Depth From 15-20	0.00	0.00	0.00

61+280.00



مهندس محمد عبد الله
14 / 1079
مهندس محمد عبد الله



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

----- Natural ground level
 FOR DEPTH FROM 0 TO 5
 FOR DEPTH FROM 5 TO 10
 FOR DEPTH FROM 10 TO 15
 FOR DEPTH FROM 15 TO 20

SubBallast hatch
 prepared Subgrade hatch

DATE: 12/11/2024
 DATE: 12/11/2024

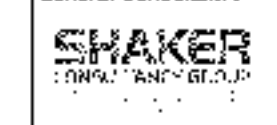
OWNER :



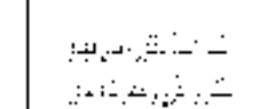
Main Contractor:



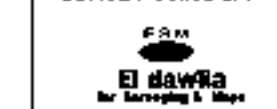
General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross section
 STATIONS FROM 61+000 TO 62+100
 For : Salma - 4 Under Railway Project

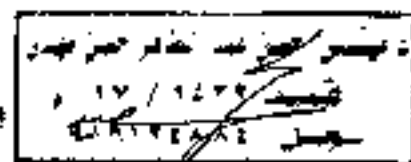
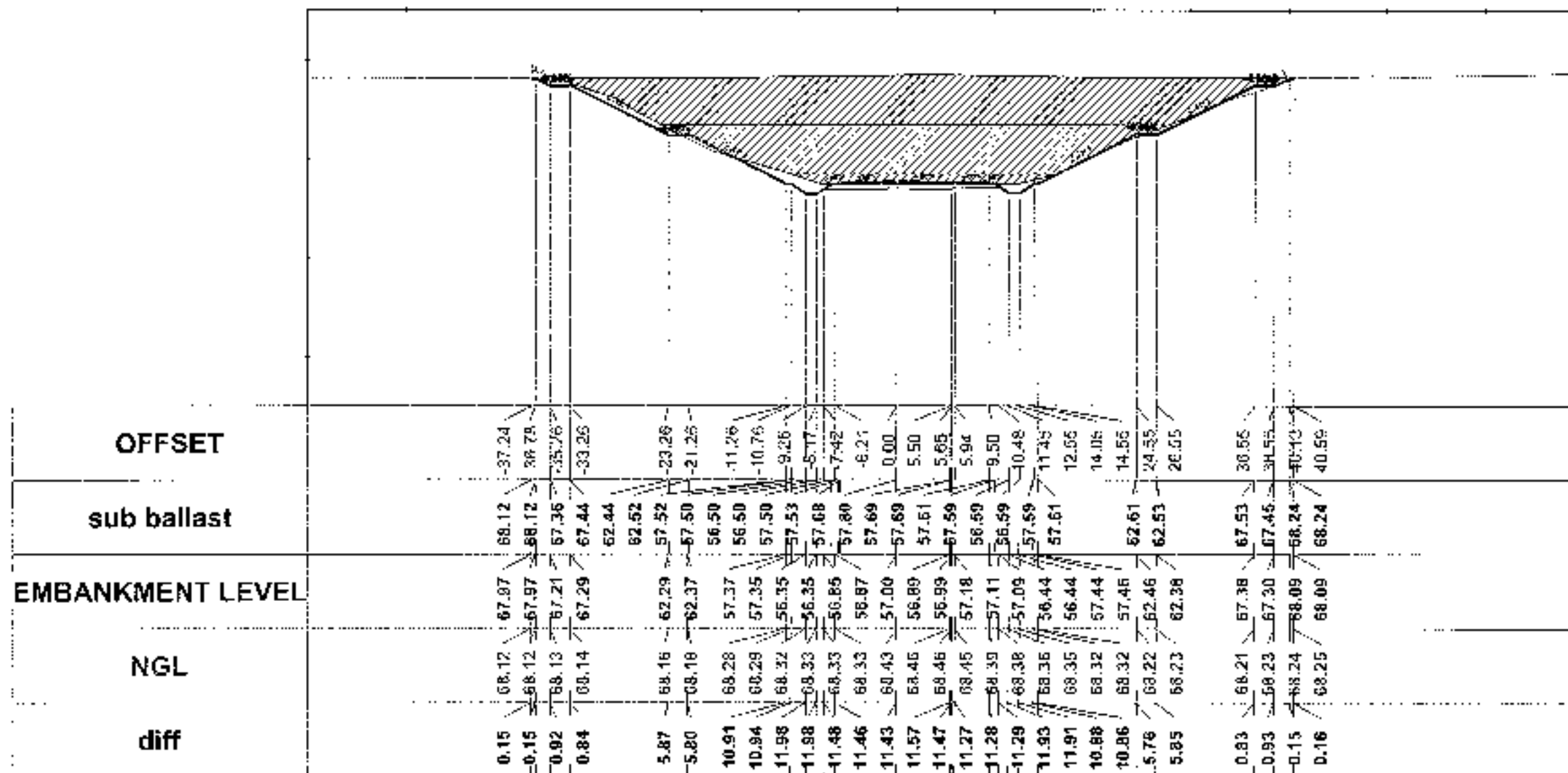
DWG SCALE: 1:500
 DESIGNED BY: Dr. Mohamed Chareb

PROJEC: CIVIL ENGINEERING
 APPROVED BY: Dr. Ahmed Khalil

DWG SCALE: 1:500
 SHEET NUMBER: 66

61+300.00			
Material Name	Area	Volume	1734.501
For Depth From 0-5	202.00	5983.92	288231.20
For Depth From 5-10	198.35	3875.32	85537.01
For Depth From 10-15	21.51	299.35	2871.08
For Depth From 15-20	0.00	0.00	0.00

61+300.00



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE	DATE	DATE
14/12/2024	14/12/2024	14/12/2024

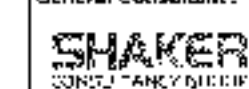
OWNER :



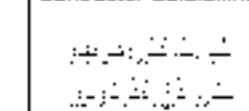
Main Contractor:



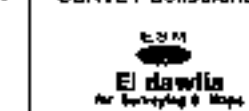
General Consultant :



Contractor Consultant



SURVEY Consultant

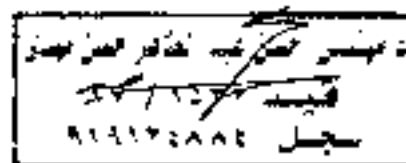


SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 61+000 TO 62+000
Bani Salame - 6 Cocha Railway Project

DWG SCALE	DESIGNED BY	PROJECT
1:50	Dr. Mohamed Ghaleb	
DATE	CHECKED BY	APPROVED BY
	Dr. Hassan M. Alotaibi	Dr. Ahmed Khalil
DWG SIZE	SHEET NUMBER	
A3	67	

61+320.00

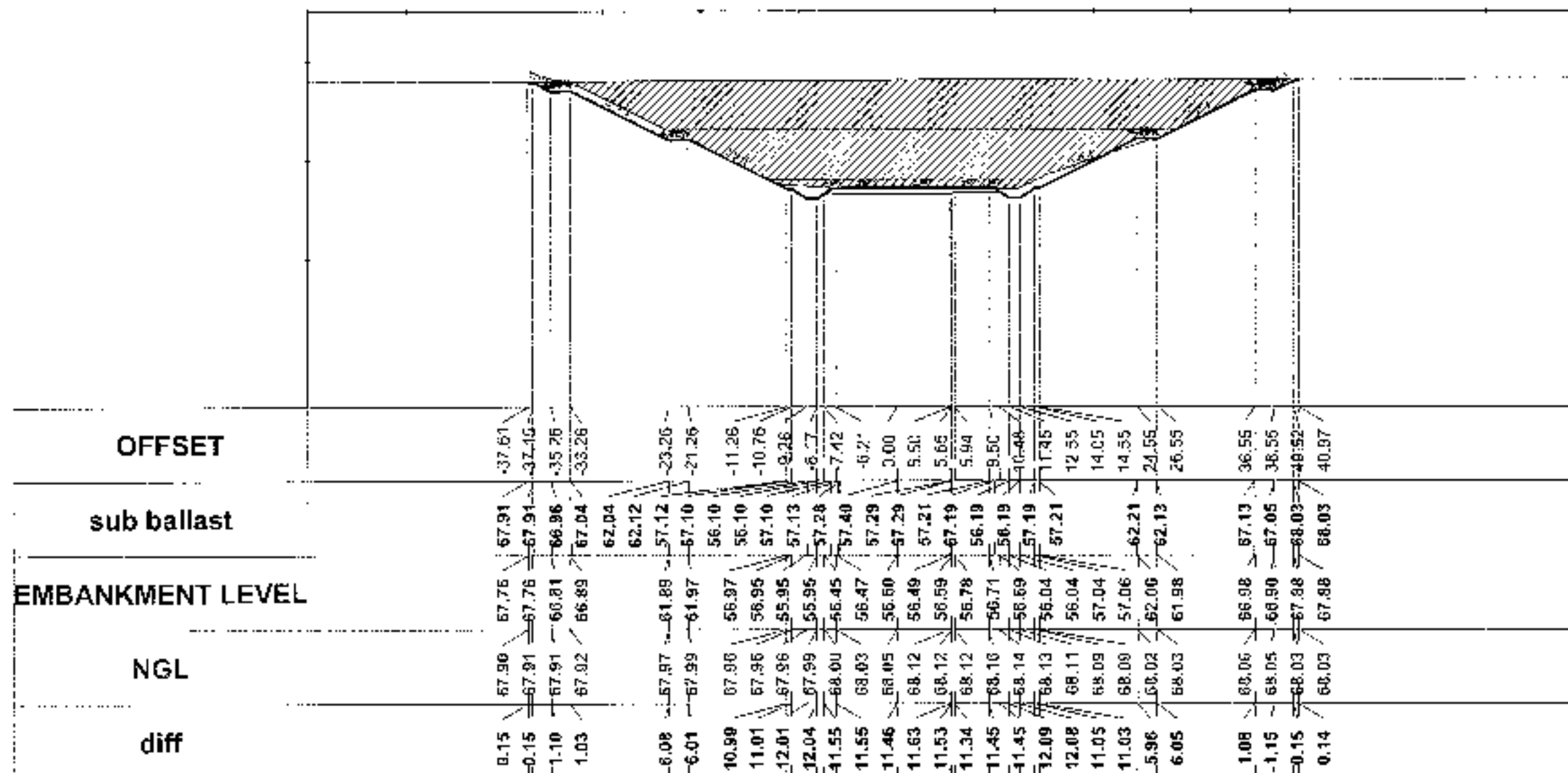


DWG SCALE 1:100 PLEASE	DESIGNED BY Dr. Mohamed Ghannib CHECKED BY Dr. Hassan Soudki	PROJECT APPROVED BY Dr. Ahmed Yehia
DWG SIZE A3	SHEET NO. OF 68	



61+4000			
Material Name	Area	Volume	CU M/100
For Depth From 0-5	310.66	6146.25	282946.90
For Depth From 5-10	196.22	3855.45	93117.11
For Depth From 10-15	23.71	522.07	3986.11
For Depth From 15-20	0.00	0.00	0.00

61+340.00



14/12/2024
414142/2024



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
□	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

DATE: 12/12/2024	DESIGNED BY: Dr. Mohamed Ghannem	APPROVED BY: Dr. Ahmed Khalil
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OWNER :



Main Contractor:	General Consultant:

Contractor Consultant:	SURVEY Consultant:

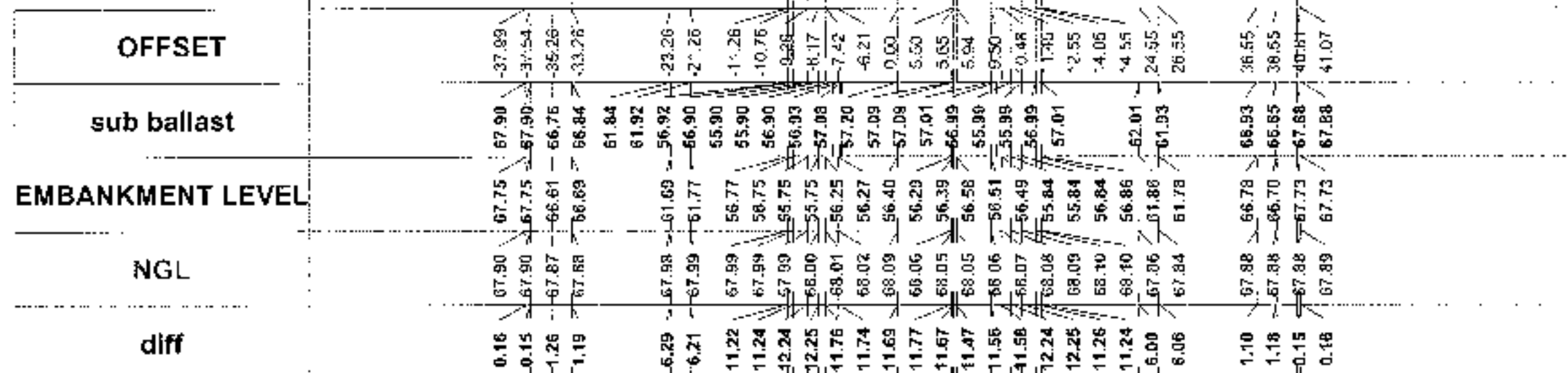
SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
New Salama - 6 Dumber Railway Project

DWG SCALE: 1:500	DESIGNED BY: Dr. Mohamed Ghannem	PROJECT
PHASE	CHECKED BY: Dr. Hassan Mahdy	APPROVED BY: Dr. Ahmed Khalil
DWG SIZE: A3	SHEET NUMBER: 6/9	

61-360.00			
Material Name	Area	Volume	CUMUL
For Depth From 0-5	311.31	6219.99	288798.89
For Depth From 5-10	251.72	4029.44	107176.36
For Depth From 10-15	30.96	546.88	1333.12
For Depth From 15-20	0.00	0.00	0.00

61+360.00



Signature and Stamp

107783
ABUABGA

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast batch
	prepared Subgrade batch

ENG. Ahmed Fahmy	10/11/2018	DATE: 12/11/2018
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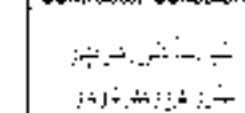
OWNER :



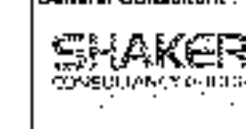
Main Contractor:



Contractor Consultant:



General Consultant :



SURVEY Consultant:



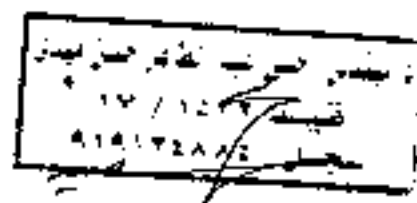
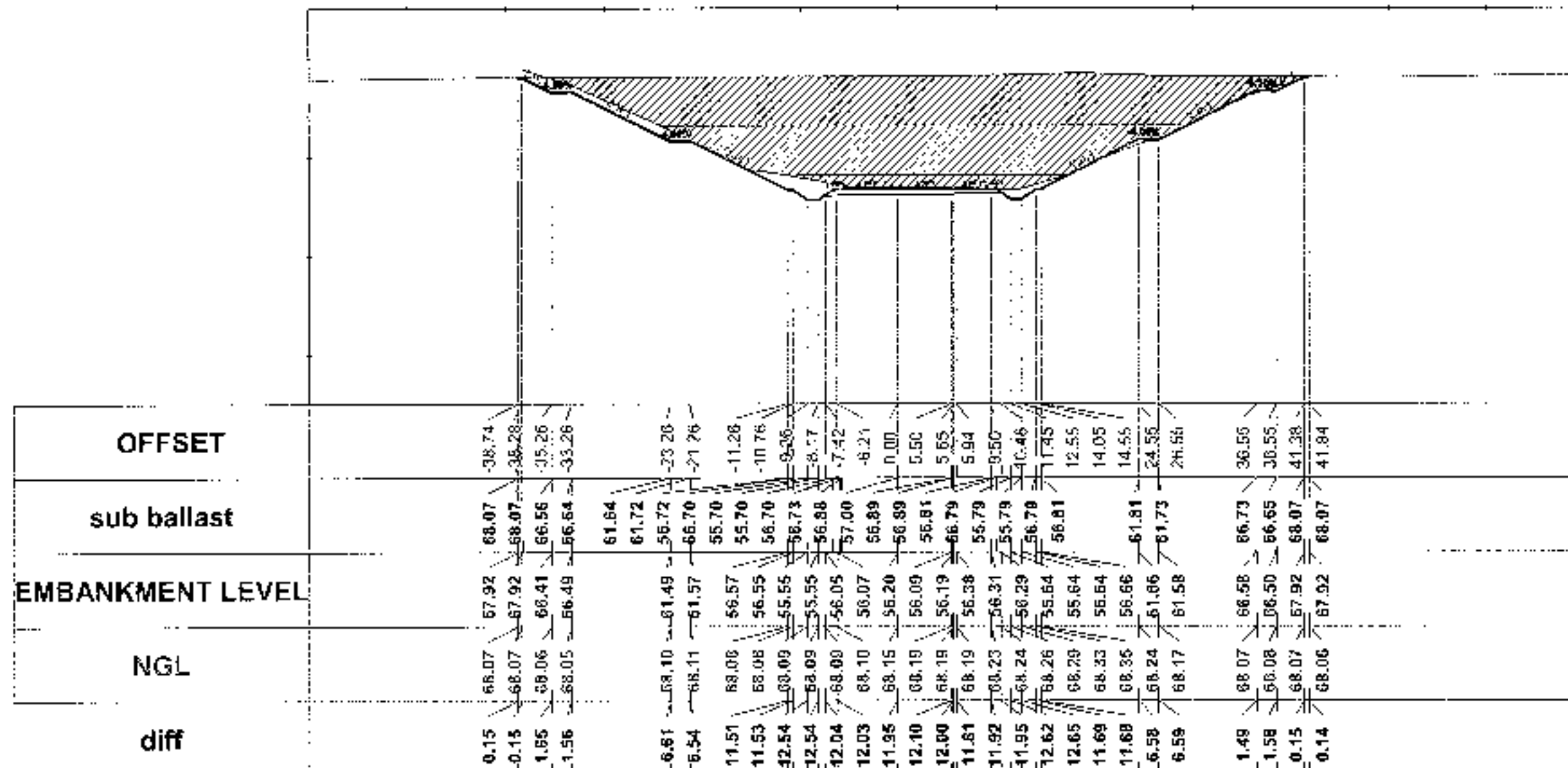
SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Bani Sabra - 5 October Railway Project

DWG SCALE: 1:200	DESIGNED BY: Dr. Mohamed Ghannem	PROJECT
PREPARED BY: Dr. Hassan Mady	CHECKED BY: Dr. Ahmed Khalil	APPROVED BY:
DWG SIZE: A3	SHEET NUMBER 70	

61+380.00			
Materiel Name	Area	Volume	CUM VOL
For Depth From 0-5	273.06	6362.98	290624.88
For Depth From 5-10	310.95	4156.71	101833.29
For Depth From 10-15	41.71	632.68	5465.80
For Depth From 15-20	0.00	0.00	0.00

61+380.00



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE: 12/11/2024	DATE: 12/11/2024	DATE: 12/11/2024
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OWNER :

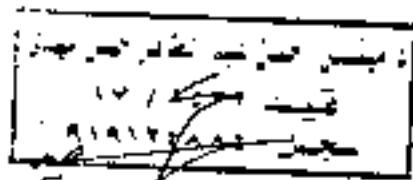


Main Contractor:	General Consultant:
Contractor Consultant:	SURVEY Consultant:

SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Baa'Sahra - Dammam Railway Project

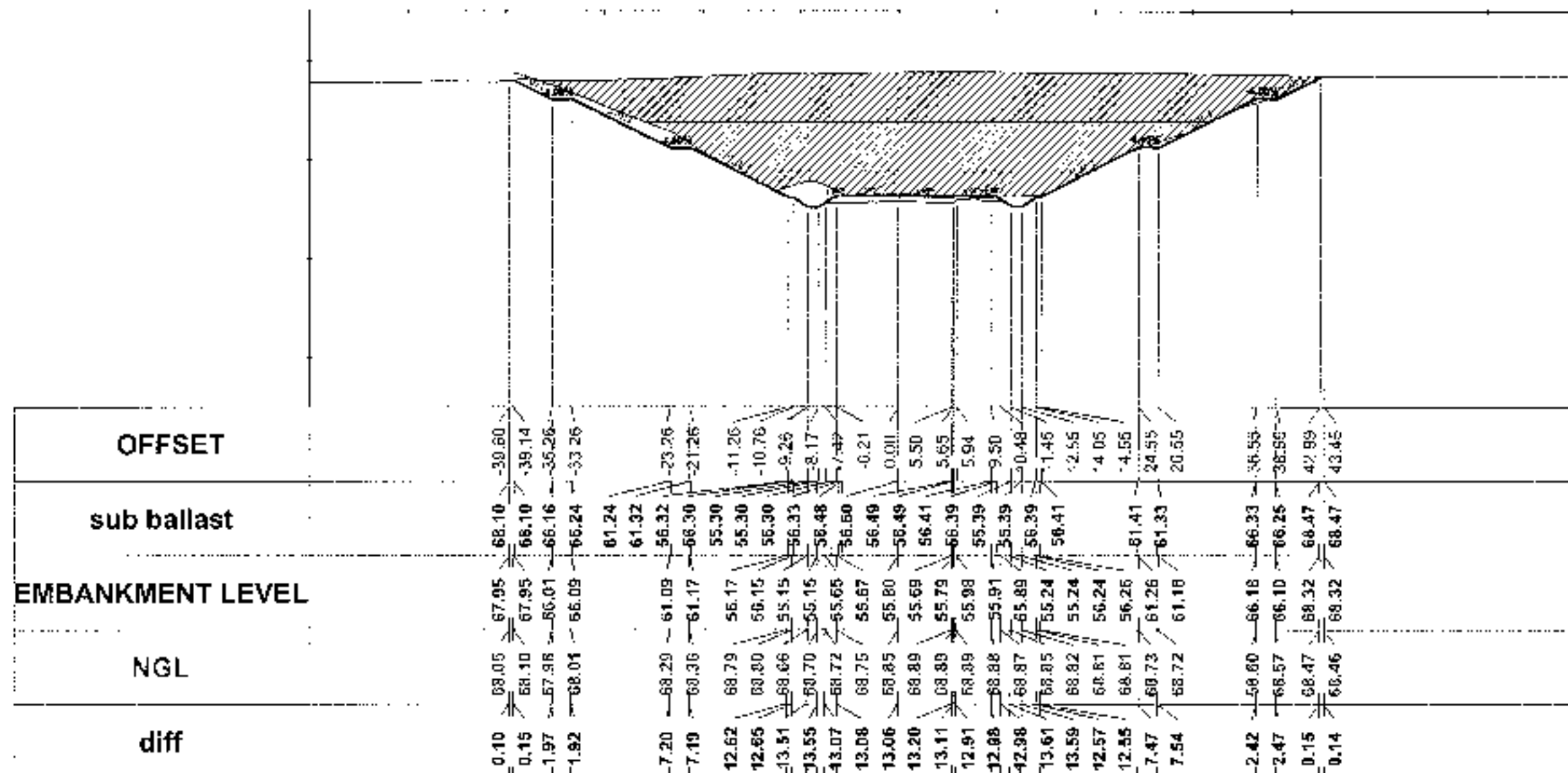
DWG SCALE:	DESIGNED BY:	PROJECT:
1:500	Dr. Mohamed Ghannem	
PHASE:	CHECKED BY:	APPROVED BY:
	Dr. Hossam M. Elmaghrabi	Dr. Ahmed Elmaghrabi
DWG SIZE:	SHEET NUMBER	
A1	71	

|61+400.00|

DWG SIZE	SHEET NUMBER
A3	77

61+420.00			
Material Name	Area	Volume	CFM Vol
For Depth From 0-5	323.93	8545.22	202020.25
For Depth From 5-10	231.19	4431.18	110293.59
For Depth From 10-15	71.99	1204.74	7178.10
For Depth From 15-20	0.00	0.00	0.00

61+420.00



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

-----	Natural ground level
////	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
■■■■	FOR DEPTH FROM 10 TO 15
■■■■	FOR DEPTH FROM 15 TO 20
■■■■	Sub Ballast hatch
■■■■	prepared Subgrade hatch

DR: MOHAMMED GHANNI	DATE: 12/11/2024
DR: MOHAMMED GHANNI	DATE: 12/11/2024

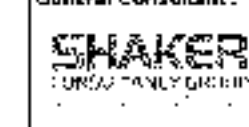
OWNER :



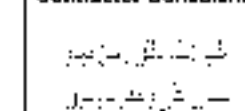
Main Contractor:



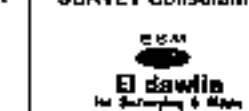
General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

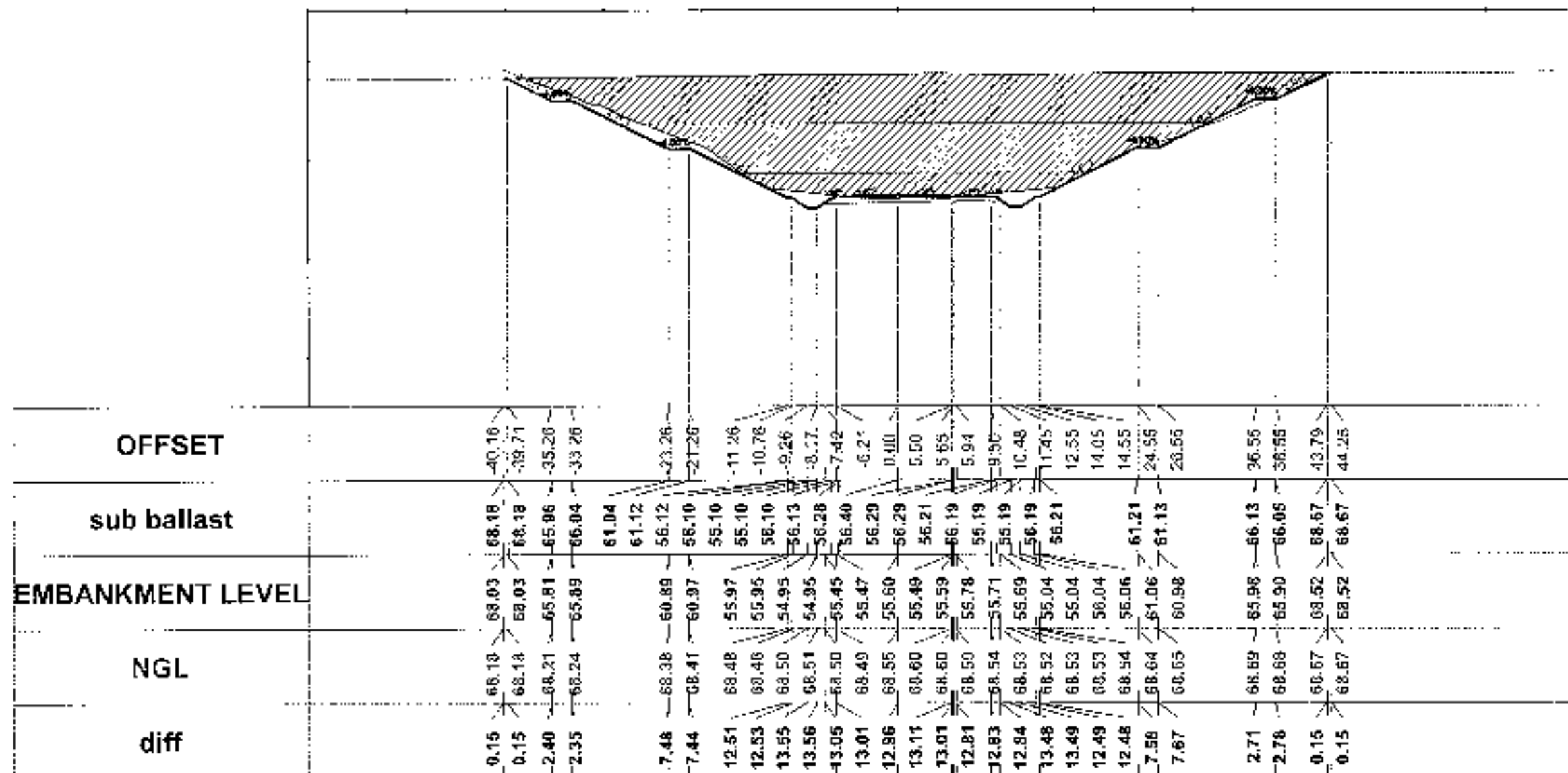
Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000

Bar. Solaris - El Daba Railway Project

DWG SCALE: 1:50	DESIGNED BY Dr. Mohamed Ghann	PROJECT
PREPARED BY Dr. Hassan Mubey	CHECKED BY Dr. Hassan Mubey	APPROVED BY Dr. Ahmed Khat
DWG SIZE: A3	SHEET NUMBER 73	

61+440.00			
Material Name	Area	Volume	CFM VOL
For Depth From 0-5	917.33	6772.97	211113.22
For Depth From 5-10	292.75	4584.38	111877.88
For Depth From 10-15	68.30	1402.91	8581.31
For Depth From 15-20	0.00	0.00	0.00

61+440.00



مهندس محمد عبد الله
مهندس محمد عبد الله
مهندس محمد عبد الله



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

ENG. Ahmed 12/1/2021	NAME 12/1/2021	ON APPROVED 12/1/2021
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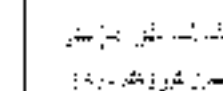
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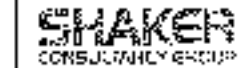
Main Contractor:



Contractor Consultant



General Consultant :



SURVEY Consultant



SHEET NAME :

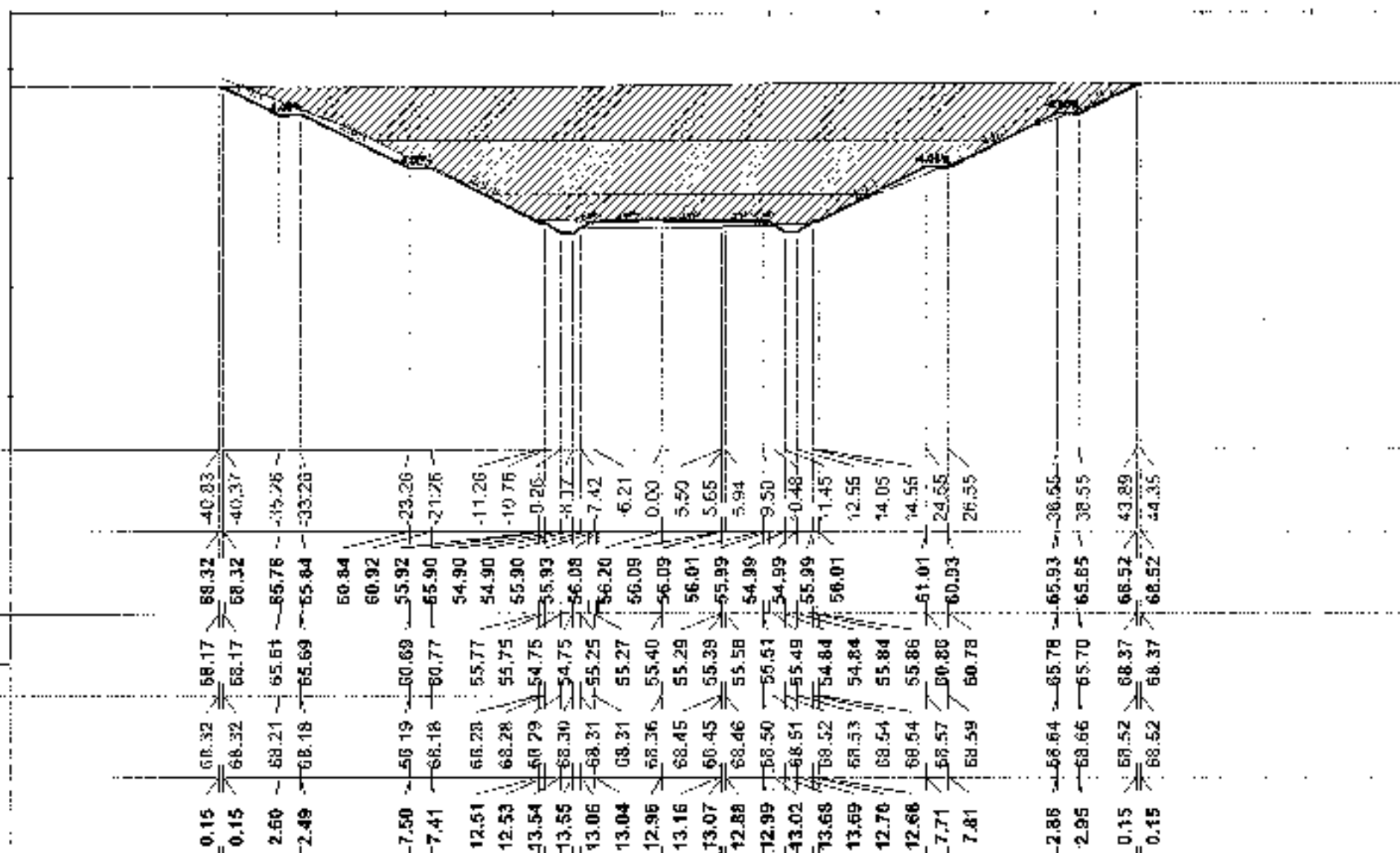
Shop Drawing design cross sections
STATIONS FROM 60+00 TO 62+00
Bun Salama - 6 October Railway Project

DWG SCALE 1:500	DESIGNED BY Dr. Mohamed Ghannam	PROJECT
PHASE	CHECKED BY Dr. Hassan M. Abdel	APPROVED BY Dr. Ahmed Ghannam
DWG NO. A3	SHEET NUMBER 74	

61+460.00			
Material Name	Area	Volume	C. M. VOL
For Depth From 0-5	337.19	7007.26	111130.18
For Depth From 5-10	201.52	4017.77	119196.13
For Depth From 10-15	76.00	1442.97	10071.23
For Depth From 15-20	0.00	0.00	0.00

61+460.00

OFFSET
sub ballast
EMBANKMENT LEVEL
NGL
diff



مهندس محمد علي محمد
مهندس محمد علي محمد
214128882



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

.....	Natural ground level
////	FOR DEPTH FROM 0 TO 5
////	FOR DEPTH FROM 5 TO 10
////	FOR DEPTH FROM 10 TO 15
////	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
■	prepared Subgrade hatch

ENCL. APPROVED	APPROVAL	CR. APPROVED
DATE: 12/1/2024		DATE: 12/1/2024

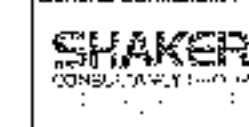
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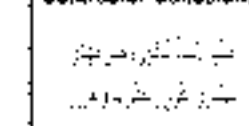
Main Contractor:



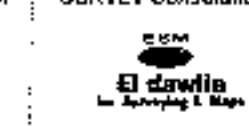
General Consultant:



Contractor Consultant:



SURVEY Consultant:



SHEET NAME:

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 61+000
Rah Salama - 6 Umm Al-Qura Railway Project

DWG SCALE: 1:500	DESIGNED BY: Dr. Mohamed Ghazab	PROJECT
TEAM	CHECKED BY: Dr. Hassan Mady	APPROVED BY: Dr. Ahmed Khat

DWG SIZE: A3	SHEET NUMBER: 75
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.61+480.00

19151888

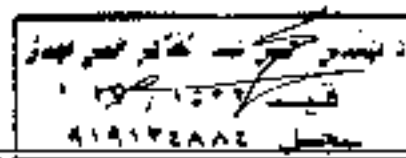
DWG SCALE 1:500	DESIGNED BY: Dr. Mohamed Chahleb	PROJECT
DATE	CHECKED BY: Dr. Hussein Alshahy	APPROVED BY Dr. Ahmed Kham
DRAWN BY AT	SHEET NUMBER 76	



61+500.00			
Material Name	Area	Volume	CUM.M
For Depth From 0-5	370.09	7286.44	342456.53
For Depth From 5-10	236.65	4661.48	126797.01
For Depth From 10-15	69.76	1345.15	12777.01
For Depth From 15-20	0.00	0.00	0.00

61+500.00

OFFSET	41.81		41.30		35.26		33.20		23.20		21.26		11.26		10.76		9.25		8.71		7.42		6.2		3.00		5.50		5.05		5.84		8.50		10.48		11.35		12.55		14.05		14.55		24.55		25.55													
sub ballast	68.41		68.41		65.36		65.44		60.44		60.52		55.52		55.50		54.50		55.53		55.68		55.80		55.69		55.69		55.81		55.59		54.59		54.59		55.59		55.81		60.61		60.53		68.69		68.69		45.04		45.49									
EMBANKMENT LEVEL	68.26		68.26		65.21		65.28		60.29		60.37		55.37		55.35		54.35		54.35		54.85		54.87		55.00		54.89		54.99		55.18		55.11		55.09		54.44		55.46		60.46		60.38		65.38		65.30		68.54		68.54		45.04		45.49					
NGL	68.40		68.41		68.54		68.53		68.42		68.40		68.28		68.28		68.26		68.25		68.24		68.22		68.20		68.21		68.21		68.21		68.21		68.21		68.23		68.42		68.44		68.60		68.59		68.09		68.71		68.09		68.71							
diff	0.14		0.15		3.33		3.24		8.13		8.03		12.92		12.83		13.91		13.90		13.39		13.35		13.20		13.32		13.22		13.03		13.10		13.12		13.77		13.77		12.78		12.77		7.98		8.06		3.22		3.29		0.15		0.15		0.15		0.15	



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE: 12/1/2024	DATE: 12/1/2024
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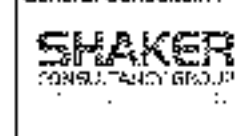
OWNER:



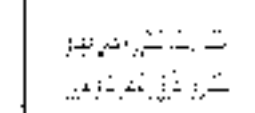
Main Contractor:



General Consultant:



Contractor Consultant:



SURVEY Consultant:



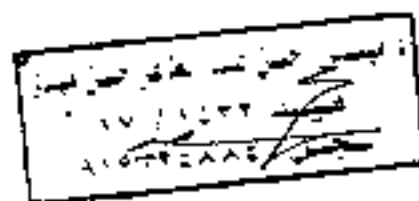
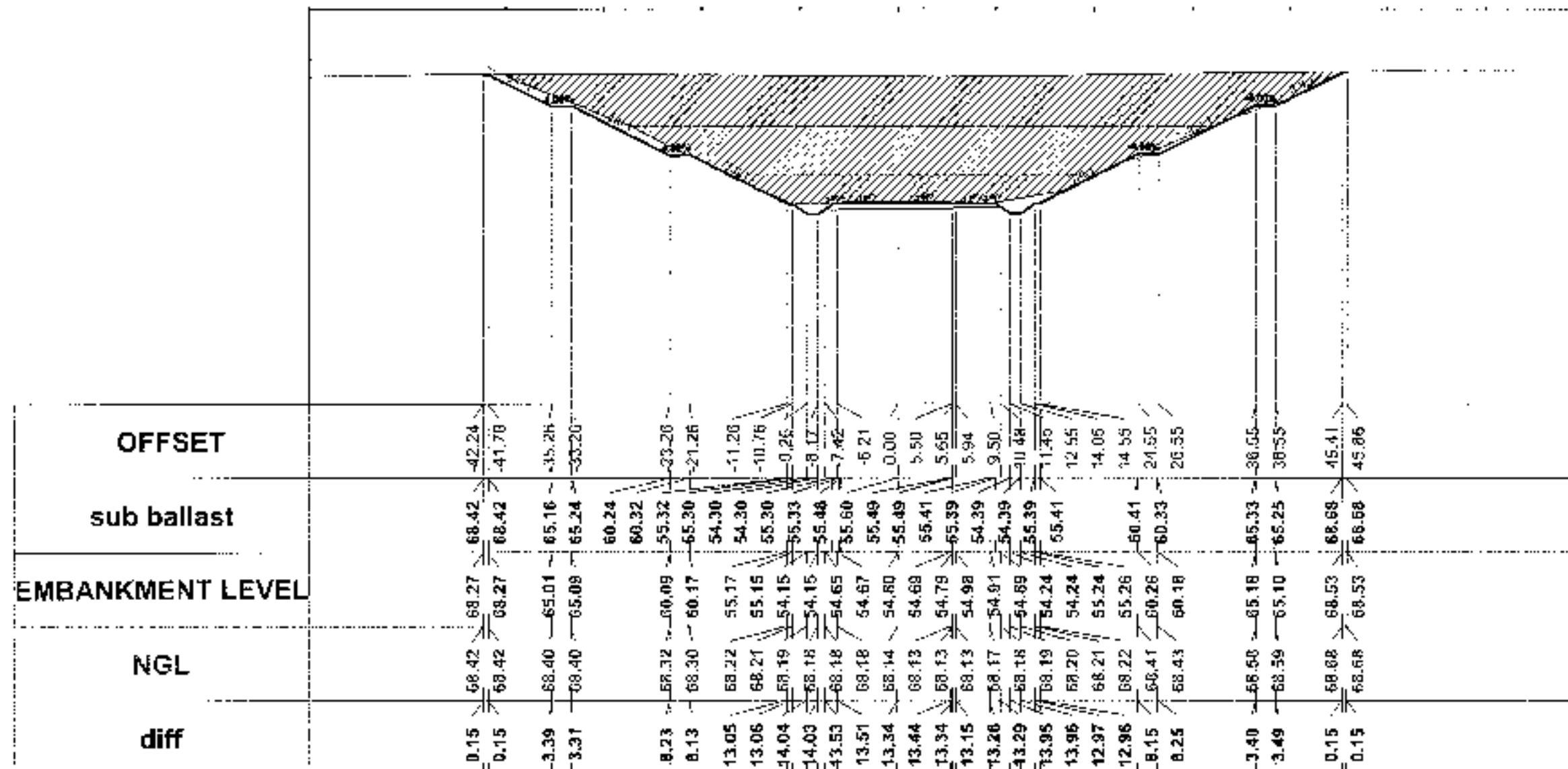
SHEET NAME:

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+100
Ibrah Salama - A Double Railway Project

DWG. NO. 1-500	DESIGNED BY Dr. Mohamed Elmaghrabi	PROJECT
PHASE	CHECKED BY Dr. Hassan M. Elmaghrabi	APPROVED BY Dr. Ahmed Elmaghrabi
DWG. SIZE A1	SHEET NUMBER 1/1	

61+520.00			
Material Name	Area	Volume	TC MAREL
For Depth From 0-5	671.33	7477.05	312438.58
For Depth From 5-10	208.58	4776.43	136373.11
For Depth From 10-15	86.35	1561.09	11338.11
For Depth From 15-20	0.00	0.00	0.00

61+520.00



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

-----	Natural ground level
////	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
-----	SubBallast hatch
	prepared Subgrade hatch

DATE	12/11/2024
ENG. AHMED FAR	AMR
DATE	12/11/2024
ENG. AHMED FAR	AMR

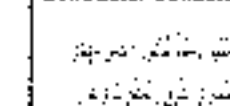
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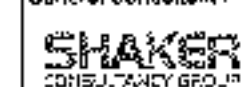
Main Contractor:



Contractor Consultant



General Consultant :



SURVEY Consultant



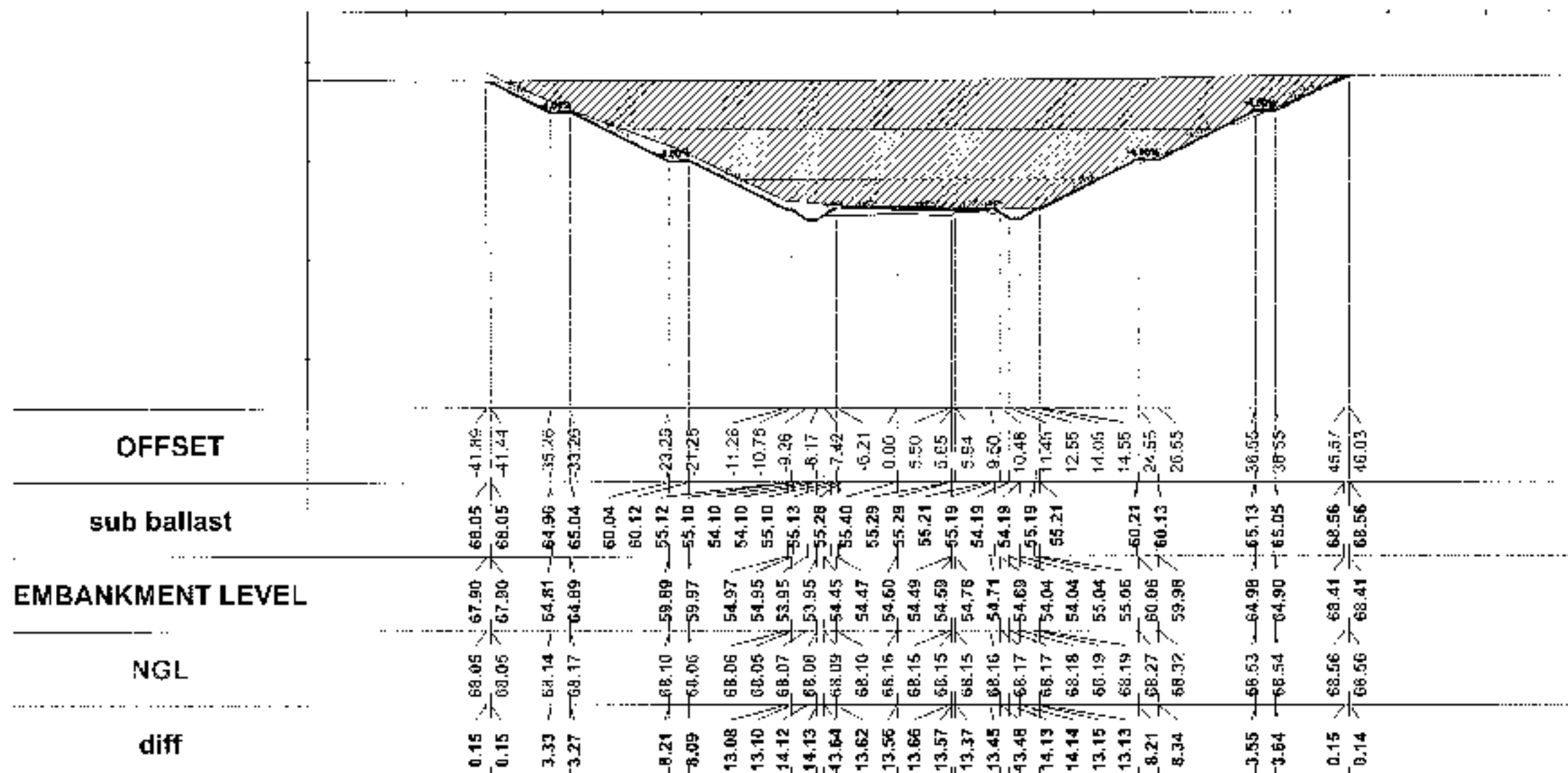
SHEET NAME :

Shop Drawing design-rms sections
STATIONS FROM 61+000 TO 62+000
Rani Salama - 6 Outer Railway Project

DWG SCALE	DESIGNED BY	PROFIT
1:500	Dr. Mohamed Gharib	
DATE	CHECKED BY	APPROVED BY
	Dr. Hassan Nashed	Dr. Ahmed Khalil
DWG SIZE	SHEET NUMBER	
A3	78	

61+540.00			
Material Name	Area	Volume	CUMVOL
For Depth From 0-5	471.22	7488.48	250822.06
For Depth From 5-10	211.58	4825.83	118199.07
For Depth From 10-15	80.95	1763.20	16131.33
For Depth From 15-20	0.00	0.00	0.00

61+540.00



مهندس محمد عبد الحليم
مهندس محمد عبد الحليم
مهندس محمد عبد الحليم
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مهندس محمد عبد الحليم
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مهندس محمد عبد الحليم

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

-----	Natural ground level
-----	FOR DEPTH FROM 0 TO 5
-----	FOR DEPTH FROM 5 TO 10
-----	FOR DEPTH FROM 10 TO 15
-----	FOR DEPTH FROM 15 TO 20
-----	SubBallast hatch
-----	prepared Subgrade hatch

ENG. Ahmed Fathy	REVISION	DESIGNED BY
DATE: 12/11/2024		DATE: 12/11/2024

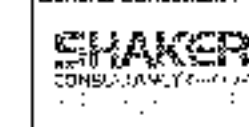
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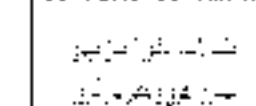
Main Contractor:



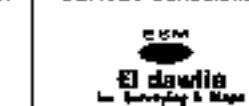
General Consultant :



Contractor Consultant



SURVEY Consultant



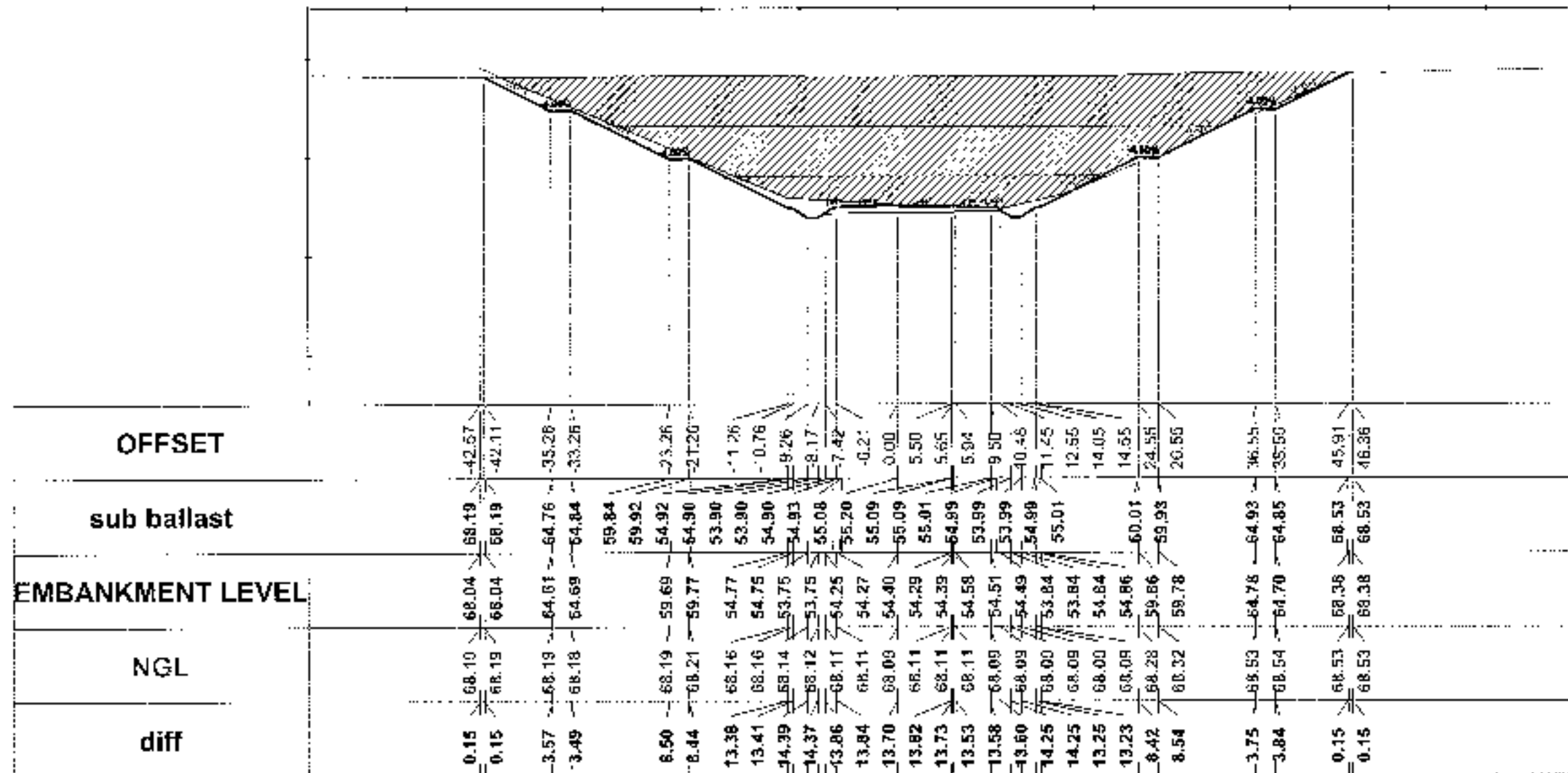
SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 61+000 TO 61+600
Bani Salim - Gharbiyah Railway Project

DWG SCALE 1:500	DESIGNED BY Dr. Mohamed Elmaghrabi	PROJECT
PHASE	CHECKED BY Dr. Hassan Moudy	APPROVED BY Dr. Ahmed Khalil
DWG SIZE A3	SHEET NUMBER 79	

61+560.00			
Material Name	Area	Volume	CFM Vol
For Depth From 0-5	378.67	7498.83	58820.00
For Depth From 5-10	249.53	4912.30	11111.30
For Depth From 10-15	87.85	1778.15	17879.15
For Depth From 15-20	0.00	0.00	0.00

61+560.00



مهندس محمد عبد الله عبد الله
مهندس محمد عبد الله عبد الله
مهندس محمد عبد الله عبد الله



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE	17/11/2024
DATE	12/11/2024

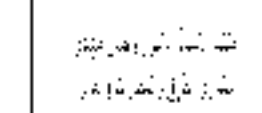
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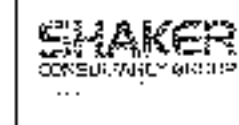
Main Contractor:



Contractor Consultant



General Consultant :



SURVEY Consultant

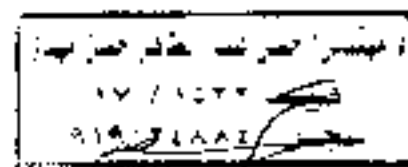


SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Bass Salama - a Ummah Railway Project

DWG SCALE 1:500	DESIGNED BY Dr. Mohamed Ghannem	PROJECT
PERSE	CHECKED BY Dr. Shaima Mady	APPROVED BY Dr. Ahmed El-Sayed
SHEET NO A3	SHEET NAME 80	

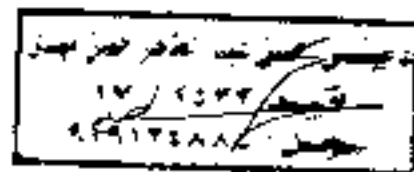
61+580.00



DWG SCALE: 1:500	DESIGNED BY Dr Mohamed Elmaghrabi	PROJECT
PREPARED BY Dr. Mohamed Elmaghrabi	CHECKED BY Dr. Hassan M. Elmaghrabi	APPROVED BY Dr. Mohamed Elmaghrabi
DWG SIZE A3	SHEET NUMBER 81	



61+620.00

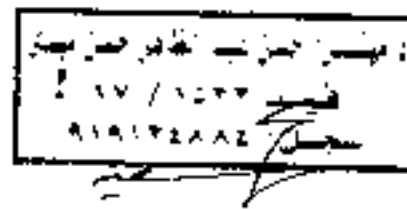
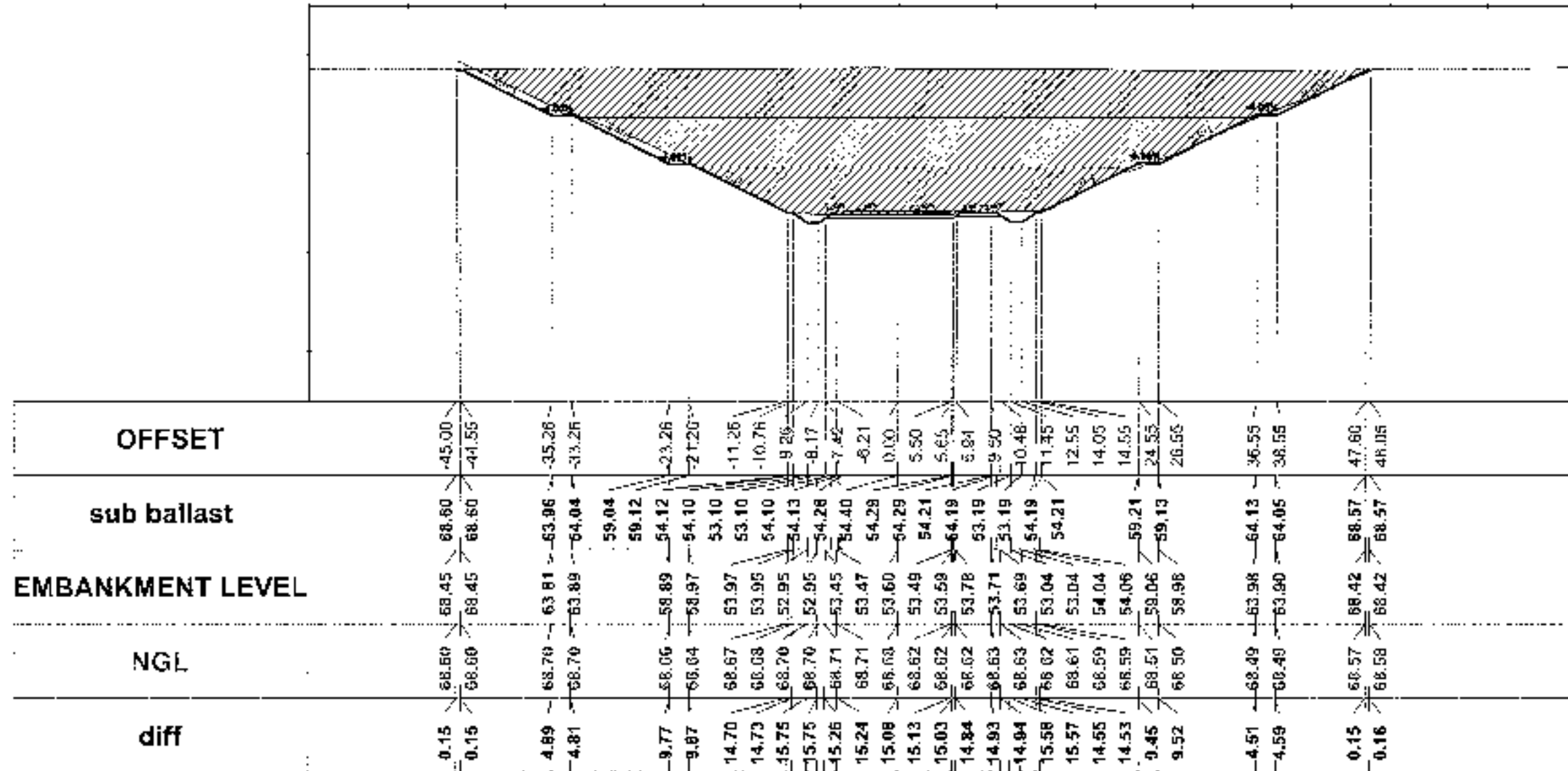


DOGS/1- A1	SHEET NUMBER 83
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61+640.00			
Material Name	Area	Volume	CU M VOL
For Depth From 0-5	345.35	7839.25	183907.75
For Depth From 5-10	291.65	5590.04	61910.33
For Depth From 10-15	163.77	3094.44	18671.97
For Depth From 15-20	0.00	0.00	0.00

61+640.00



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20

	SubBallast hatch
	prepared Subgrade hatch

DATE: 12/1/2024	DATE: 12/1/2024	DATE: 12/1/2024
BY: 12/1/2024	BY: 12/1/2024	BY: 12/1/2024
BY: 12/1/2024	BY: 12/1/2024	BY: 12/1/2024
BY: 12/1/2024	BY: 12/1/2024	BY: 12/1/2024
BY: 12/1/2024	BY: 12/1/2024	BY: 12/1/2024
BY: 12/1/2024	BY: 12/1/2024	BY: 12/1/2024
BY: 12/1/2024	BY: 12/1/2024	BY: 12/1/2024
BY: 12/1/2024	BY: 12/1/2024	BY: 12/1/2024
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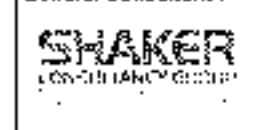
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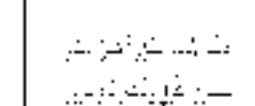
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

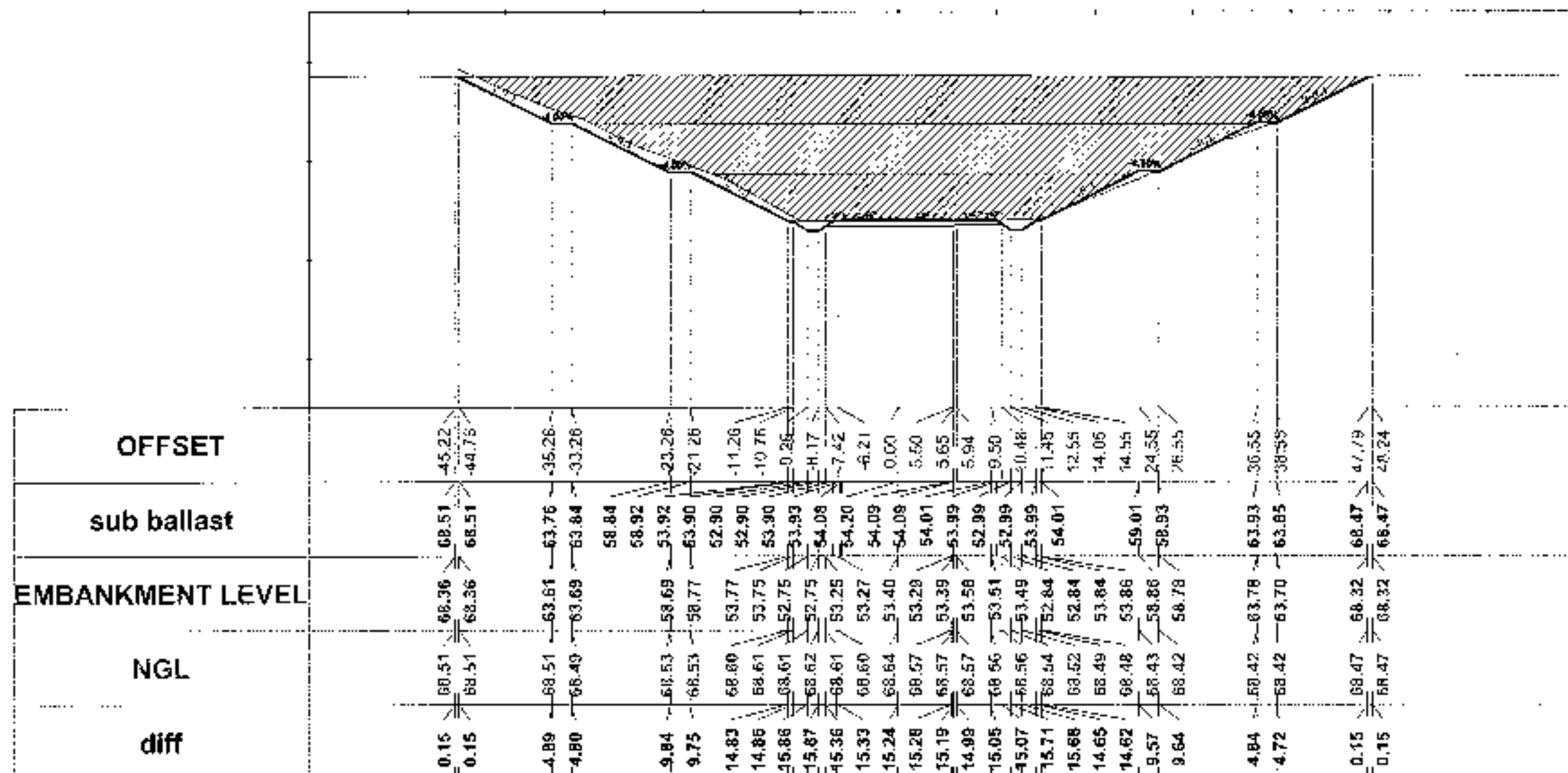
Shop Drawing Geotechnical sections
STATIONS FROM 60+000 TO 62+000

El dawla for Surveying & Maps

DESIGNED BY Dr. Mohamed Ghannouchy	PROJECT El dawla for Surveying & Maps
CHECKED BY Dr. Hossam Mady	APPROVED BY Dr. Ahmed Elshah
DWG SIZE: A3	SHEET NUMBER 84

61+660.00			
Material Name	Area	Volume	Unit
For Depth From 0-5	181.94	7883.85	1375621.00
For Depth From 5-10	284.05	5661.05	170171.38
For Depth From 10-15	160.12	3238.89	4210.86
For Depth From 15-20	0.00	0.00	0.00

61+660.00



17/12/2024

19783

Notes:
SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

- Natural ground level
- FOR DEPTH FROM 0 TO 5
- FOR DEPTH FROM 5 TO 10
- FOR DEPTH FROM 10 TO 15
- FOR DEPTH FROM 15 TO 20
- SubBallast hatch
- prepared Subgrade hatch

DR. AHMED FAY DATE: 10/11/2024	REVISION	DR. MOHAMMED GABER DATE: 12/11/2024
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OWNER:

Main Contractor:

General Consultant:

Contractor Consultant:

SURVEY Consultant:

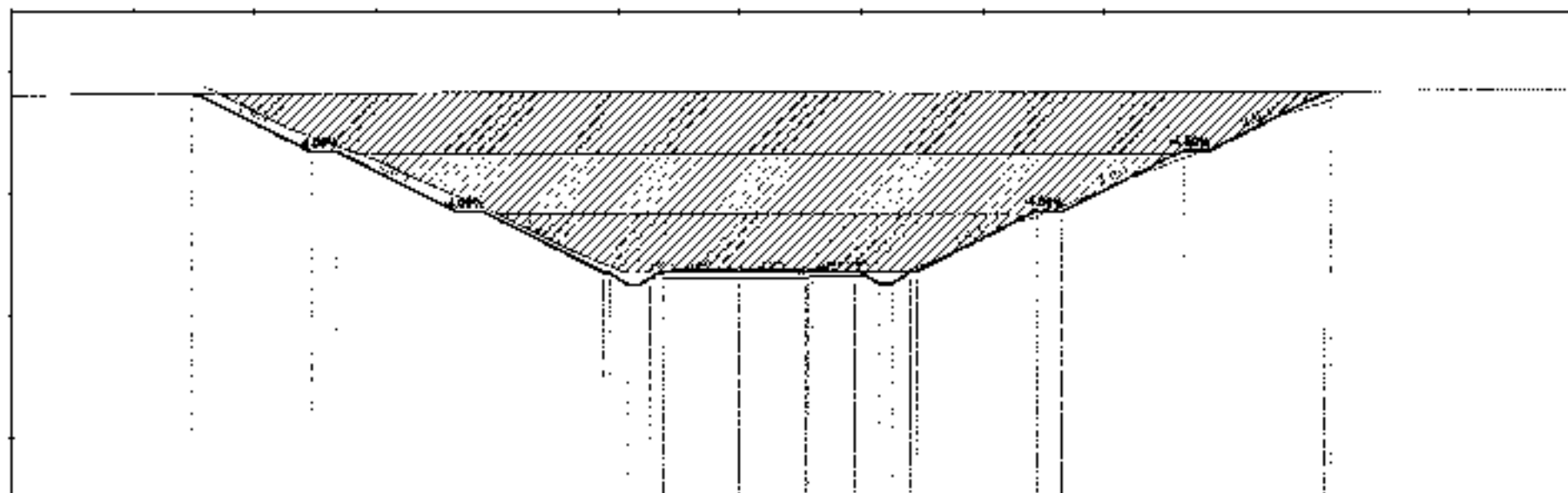
SHEET NAME:

Shop Drawing design-cross sections
STATIONS FROM 61+000 TO 62+000
Bam Sahra - Sidi Barrani Railway Project

DWG SCALE 1:500	DESIGNED BY Dr. Mohamed Gaber	PROJECT
PHASE	CHECKED BY Dr. Hossam Mounib	APPROVED BY Dr. Ahmed Khat
DWG SIZE A1	SHEET NUMBER 85	

61+680.00			
Material Name	Area	Volume	CU M VOL
For Depth From 0-5	152.89	7964.32	10502.12
For Depth From 5-10	291.15	5644.15	126115.55
For Depth From 10-15	159.68	3197.99	13008.86
For Depth From 15-20	0.00	0.00	0.00

61+680.00



OFFSET	sub ballast	EMBANKMENT LEVEL	NGL	diff
45.13	68.27	68.12	68.27	0.15
44.68	68.27	68.12	68.27	0.15
35.26	63.56	63.41	68.30	4.89
33.26	63.64	63.49	68.31	4.82
23.26	58.64	58.49	58.34	9.85
21.26	53.72	53.57	58.35	9.78
11.26	52.70	52.55	58.36	14.79
10.76	53.70	53.55	58.37	14.82
9.46	53.73	52.55	58.37	15.82
8.17	53.88	52.55	58.37	15.82
7.42	54.00	53.05	58.37	15.32
6.21	53.89	53.07	58.36	15.29
0.00	53.89	53.20	58.37	15.17
5.50	53.81	53.09	58.44	15.35
5.65	53.79	53.19	58.43	15.25
5.04	52.79	53.38	58.43	15.05
4.50	52.79	53.31	58.38	15.07
4.48	53.79	53.29	58.37	15.08
1.45	53.81	52.64	58.36	15.72
12.55	58.81	52.64	58.34	15.70
14.05	58.81	53.64	58.33	14.69
14.55	58.81	53.66	58.33	14.67
24.55	58.73	58.66	58.38	9.72
20.55	58.56	58.56	58.39	9.81
36.55	63.73	63.58	68.42	4.84
38.55	63.65	63.59	68.42	4.92
46.17	68.46	68.31	68.46	0.15
46.63	68.46	68.31	68.46	0.15

14/10/2024
21/10/2024

10742 2
ABUABBA
10/10/2024

Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

Legend:

-----	Natural ground level
////	FOR DEPTH FROM 0 TO 5
////	FOR DEPTH FROM 5 TO 10
////	FOR DEPTH FROM 10 TO 15
----	FOR DEPTH FROM 15 TO 20
----	SubBallast hatch
----	prepared Subgrade hatch

BY: Ahmed Hach	DATE: 14/10/2024	BY: MOHAMMED GHANNI	DATE: 14/10/2024
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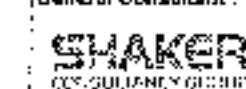
OWNER :



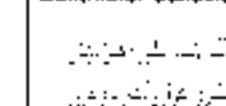
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

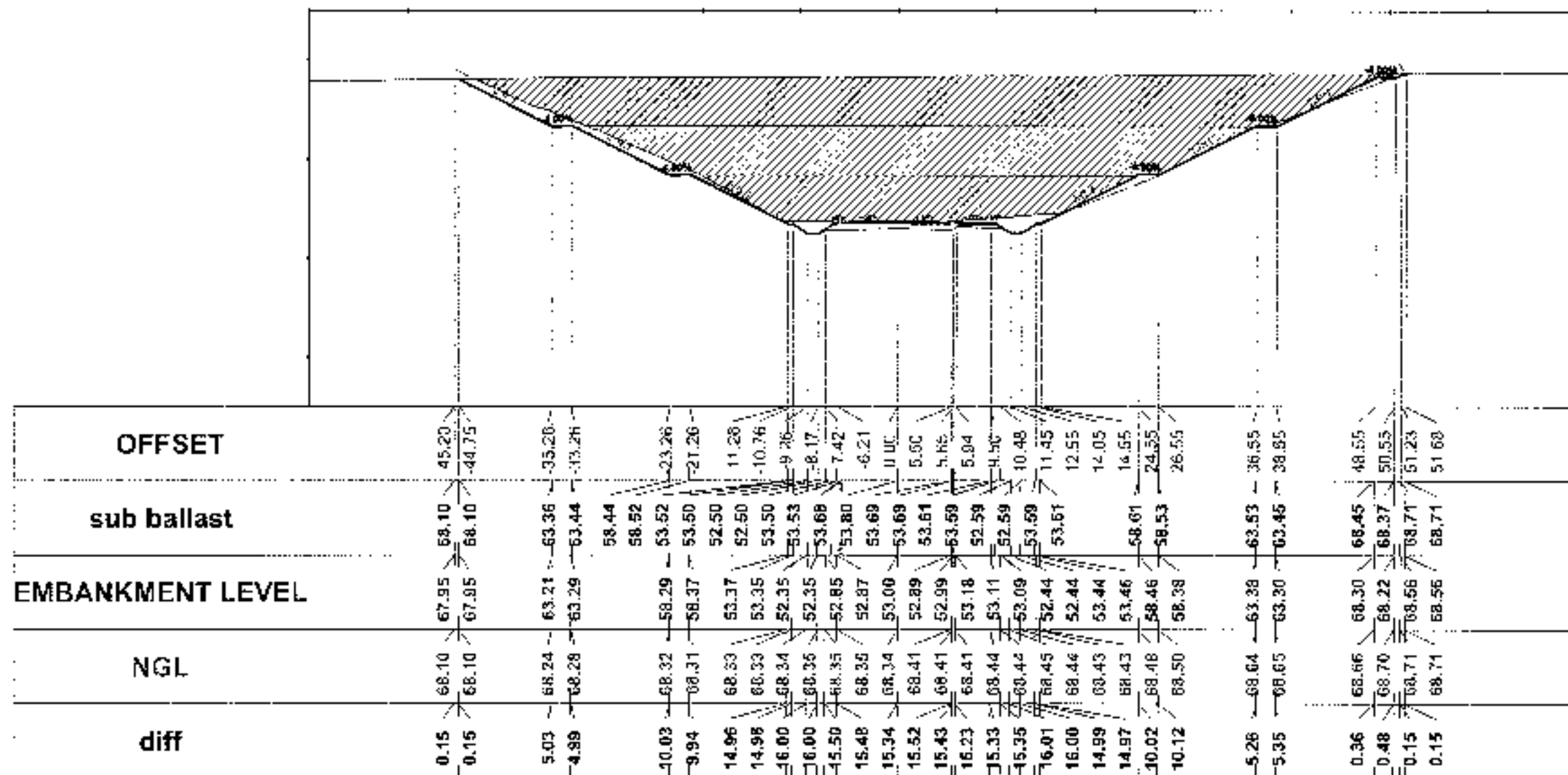
Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000

Abul Salma - 6 October Railway Project

1:100	DESIGNED BY Dr. Mohamed Ghann	PROJECT
1:100	CHECKED BY Dr. Hassan Mordy	APPROVED BY Dr. Ahmed Khalil
A3	SHEET NUMBER 86	

61+700.00			
Material Name	Area	Volume	CUMUL.
For Depth From 0-5	111.03	8188.96	114139.97
For Depth From 5-10	295.15	5671.22	141196.16
For Depth From 10-15	161.11	3208.21	169177.00
For Depth From 15-20	0.00	0.00	0.00

61+700.00



مجلس إدارة
14/10/2024
مجلس إدارة

48788 U
ABWAGLA
109-161 150

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

PROJ. NUMBER: 104	LOCATION:	DR. MOHAMMED CHAB
DATE: 10/10/2024		DATE: 10/10/2024

OWNER:



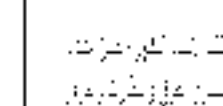
Main Contractor:



General Consultant:



Contractor Consultant



SURVEY Consultant



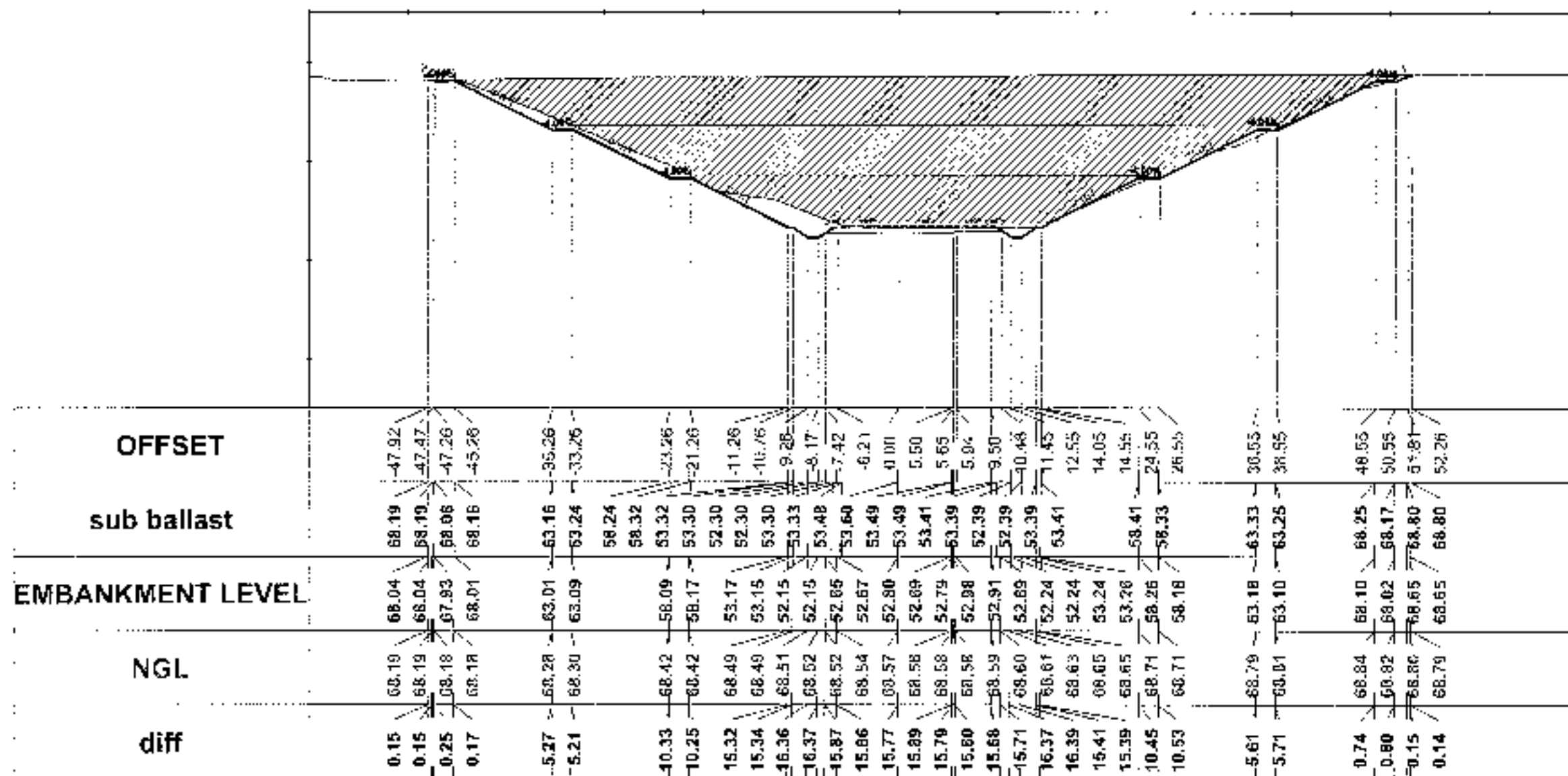
SHEET NAME:

Shop Drawing Design-cross sections
STATION'S FROM 61+000 TO 61+800
Riad Salama - to Dammam Railway Project

DWG SCALE 1:500	DESIGNED BY Dr. Mohamed Chhab	PROJECT
PHASE	CHECKED BY Dr. Hassan Mhdy	APPROVED BY Dr. Ahmed Khat
DWG SIZE A3	SHEET NUMBER 87	

61+720.00			
Material Name	Area	Volume	CU.M
For Depth From 0-5	110.55	8335.61	121575.51
For Depth From 5-10	297.60	5834.39	187621.15
For Depth From 10-15	171.10	3322.45	11730.51
For Depth From 15-20	5.86	58.57	38.33

61+720.00



مهندس محمد عبد الله محمد
14/10/2024
مهندس محمد عبد الله محمد

15788
ABUAGLA
مهندس محمد عبد الله محمد

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE 12/10/2024	APPROVED ON 12/10/2024	ON 12/10/2024
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OWNER :



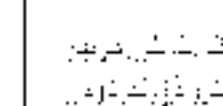
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



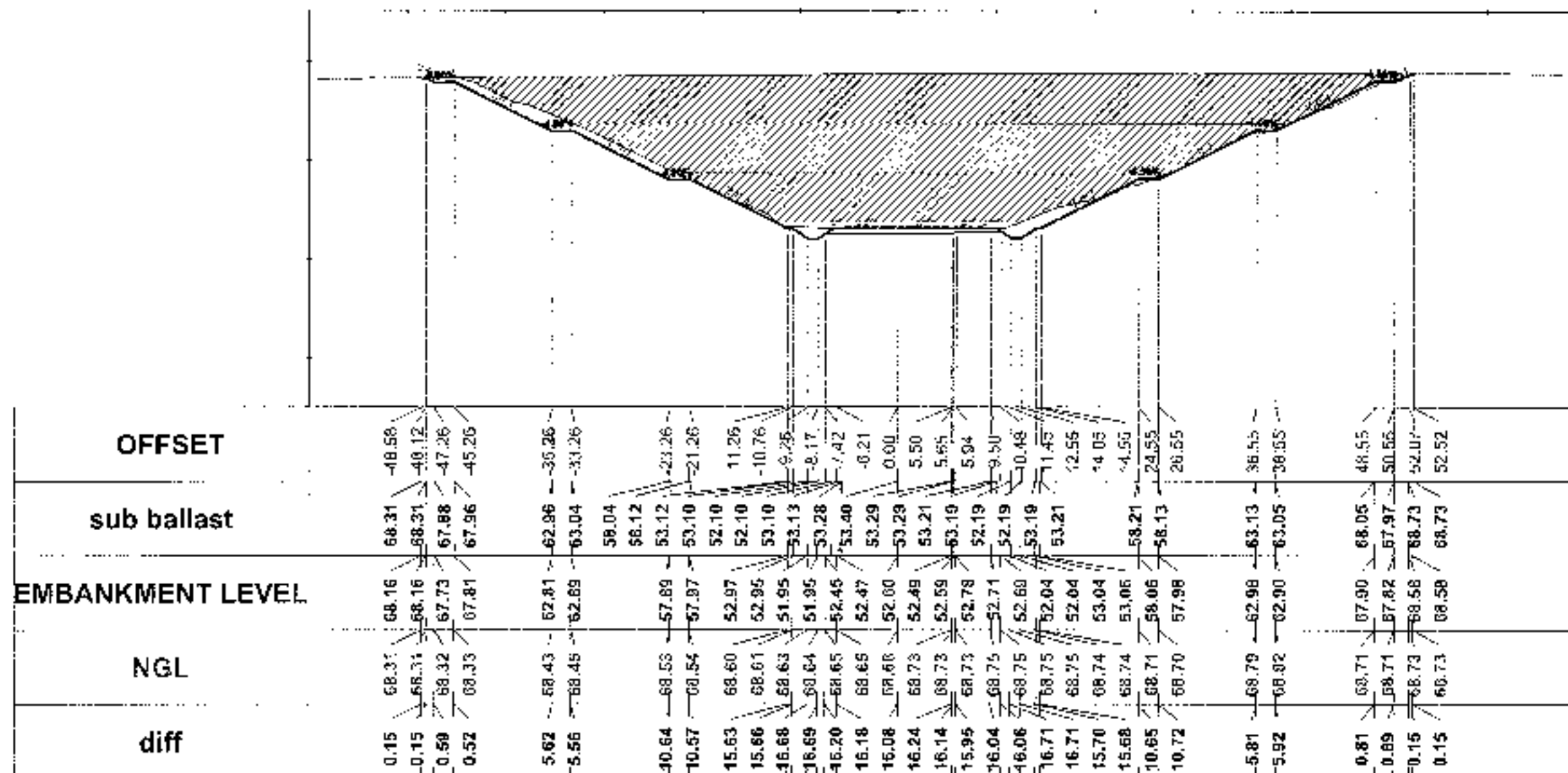
SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 61+720.00 TO 61+720.00
Jeddah - 6th Street Railway Project

DESIGNED BY Dr. Mohamed Ghannem	PROJECT
PHASE	CHECKED BY Dr. Hassan M. Al-Sayid
DATE 14/10/2024	APPROVED BY Dr. Ahmed Khalil
	SHEET NUMBER 88

61+740.00			
Material Name	Area	Volume	CUMUL
For Depth From 0-5	110.20	8397.45	129572.06
For Depth From 5-10	181.45	6020.40	195611.55
For Depth From 10-15	105.58	3566.78	151268.30
For Depth From 15-20	13.80	194.80	353.10

61+740.00



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20

	SubBallast hatch
	prepared Subgrade hatch

FILE: 0000000000	DATE: 12/11/2024	DR: 0000000000
FILE: 0000000000	DATE: 12/11/2024	DR: 0000000000

OWNER :



Main Contractor:	General Consultant:

Contractor Consultant:	SURVEY Consultant:

SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 61+000 TO 62+000
Dahil Salama - 1-Decher Railway Project

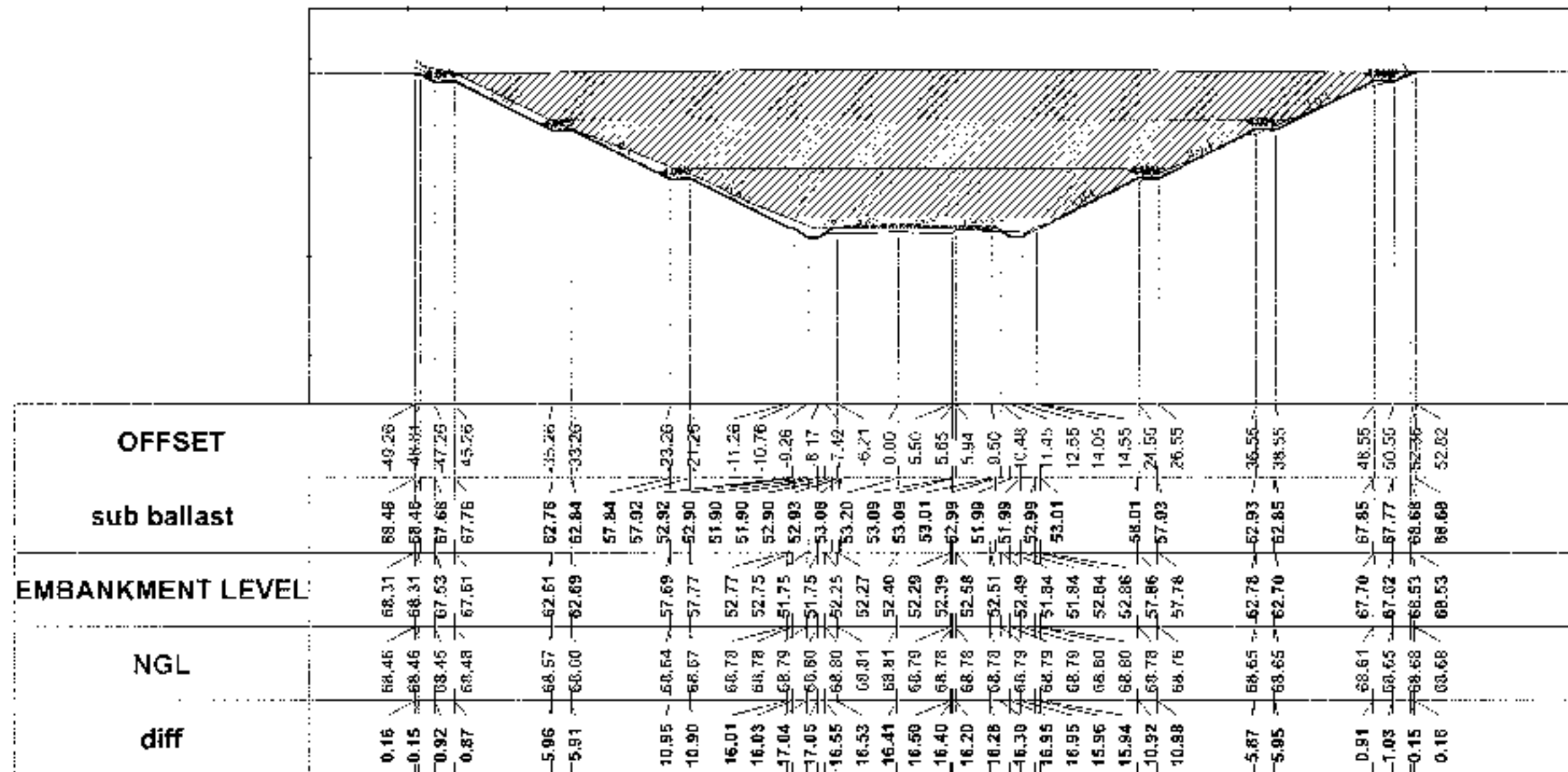
DWG SCALE 1:500	DESIGNED BY Dr.Mohamed Ghaleb	PROJECT
PHASE	CHECKED BY Dr. Hassan Nabil	APPROVED BY Dr. Ahmed Khatib
DWG SIZE A1	SHEET NUMBER 89	

تمت الموافقة على التصميم
12/11/2024
م. هادي

12788
SHAKER
12/11/2024

61+760.00			
Material Name	Area	Volume	CUMMOL
For Depth From 0-5	122.58	8429.59	438491.52
For Depth From 5-10	311.52	6164.74	199825.30
For Depth From 10-15	193.25	3788.28	16691.52
For Depth From 15-20	56.31	399.18	872.35

61+760.00



مهندس محمد عبد الحليم
مهندس محمد عبد الحليم
مهندس محمد عبد الحليم

10788
ABUAGLA
مهندس محمد عبد الحليم

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

ERC Approved DATE 10-11-2024	REVISION	ERC MOHAMED CHAD DATE 10-11-2024
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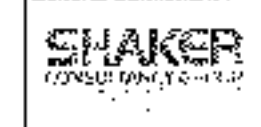
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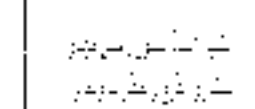
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



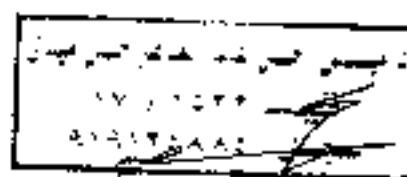
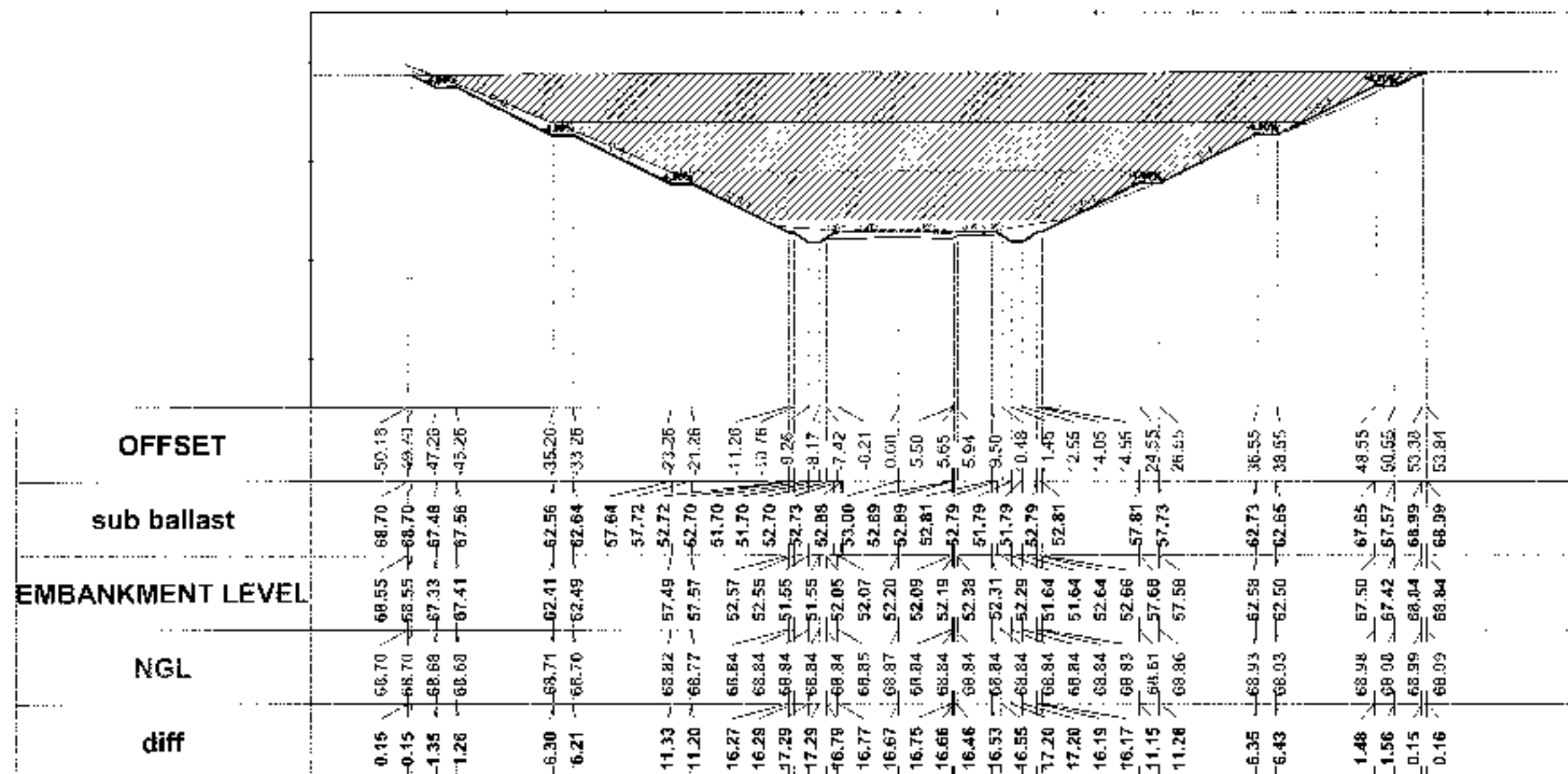
SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Bair Station - 6th Stage Railway Project

DWG SCALE: 1:500	DESIGNED BY Dr Mohamed Ghannem	PROJECT
PIASE	CHECKED BY Dr Hassan Youssef	APPROVED BY Dr Ahmed Khalil
DWG SIZE A3	SHEET NUMBER 90	

61+780.00			
Material Name	Area	Volume	CU/M3.00
For Depth From 0-5	149.71	8614.67	157013.00
For Depth From 5-10	310.56	6336.81	240165.10
For Depth From 10-15	201.22	3974.75	53959.33
For Depth From 15-20	10.71	530.51	1182.86

61+780.00



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

Eng. Ahmed Fikri	ABRABU	11-10-2024
DATE	12/10/2024	DATE

OWNER :



Main Contractor:	General Consultant:
	SHAKER CONSULTANCY GRC P
Contractor Consultant:	SURVEY Consultant:
	ESM El dawla for Surveying & Maps

SHEET NAME:

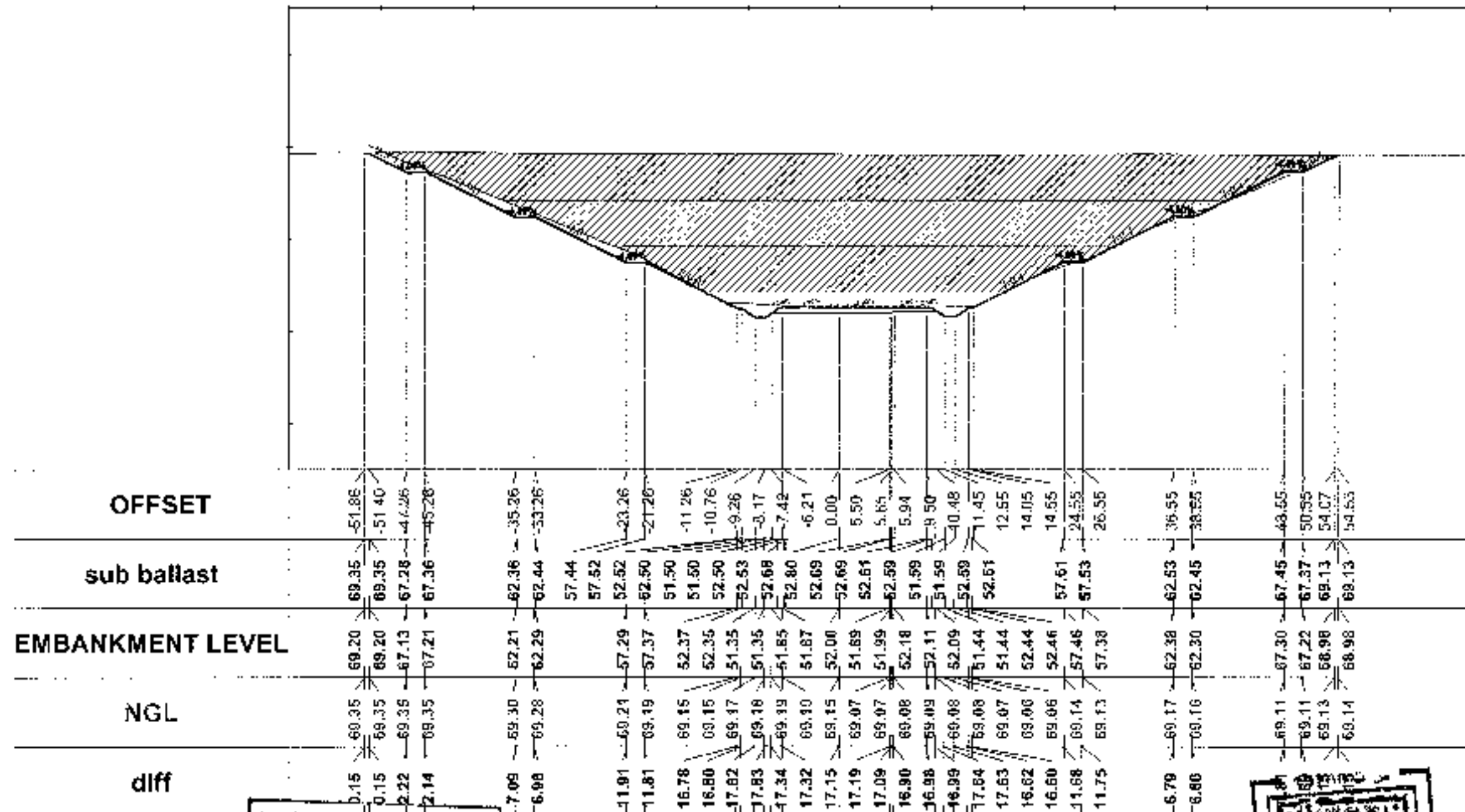
Shed Drawing design cross sections
STATIONS FROM 50+000 TO 62+000

Reet Sabana - 6 October Railway Project

DWG SCALE: 1:500	DESIGNED BY: Dr Mohamed Ghaleb	PROJECT
PHASE:	CHECKED BY: Dr Hassan Mubli	APPROVED BY: Dr Ahmed Khalid
DWG SIZE: A3	SHEET NUMBER: 91	

61+800.00			
Material Name	Area	Volume	CU M %
For Depth From 0-5	157.98	8966.89	155993.11
For Depth From 5-10	331.19	8510.53	213674.63
For Depth From 10-15	214.10	4183.22	17097.55
For Depth From 15-20	15.15	721.86	1901.73

61+800.00



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

.....	Natural ground level
.....	FOR DEPTH FROM 0 TO 5
.....	FOR DEPTH FROM 5 TO 10
.....	FOR DEPTH FROM 10 TO 15
.....	FOR DEPTH FROM 15 TO 20

.....	SubBallast hatch
.....	prepared Subgrade hatch

DATE	12/1/2024
DATE	12/1/2024

OWNER :



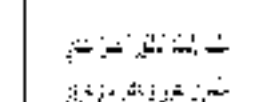
Main Contractor:



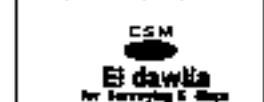
General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

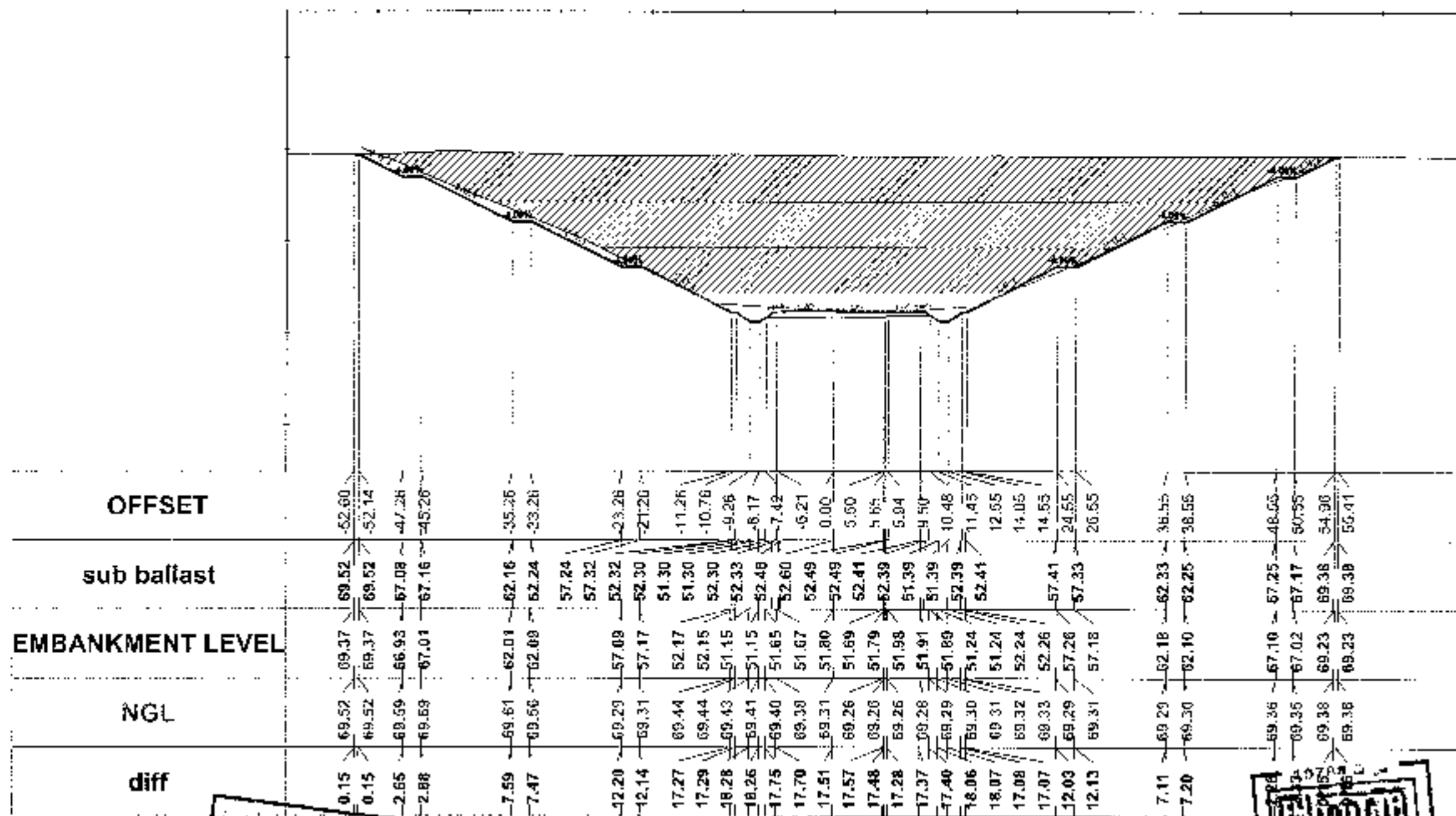
Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Rail Salama - 6 Ghaith Railway Project

DWG SCALE	DESIGNED BY	PROJECT
1:500	Dr Mohamed Gharib	
PHASE	CHECKED BY	APPROVED BY
	Dr Hassan Mahdy	Dr Ahmed Khalil
DWG SIZE	SHEET NUMBER	
A3	92	



61+820.00			
Material Name	Area	Volume	TTM VOL
For Depth From 0-5	309.10	9270.88	137251.99
For Depth From 5-10	117.63	6693.26	219185.91
For Depth From 10-15	234.57	4386.71	67116.38
For Depth From 15-20	50.89	963.37	2862.03

61+820.00



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DESIGNED BY	DATE	DR. MOHAMMED G. ALI
CHECKED BY	DATE	12/11/2024

OWNER :



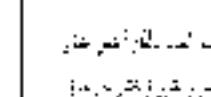
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

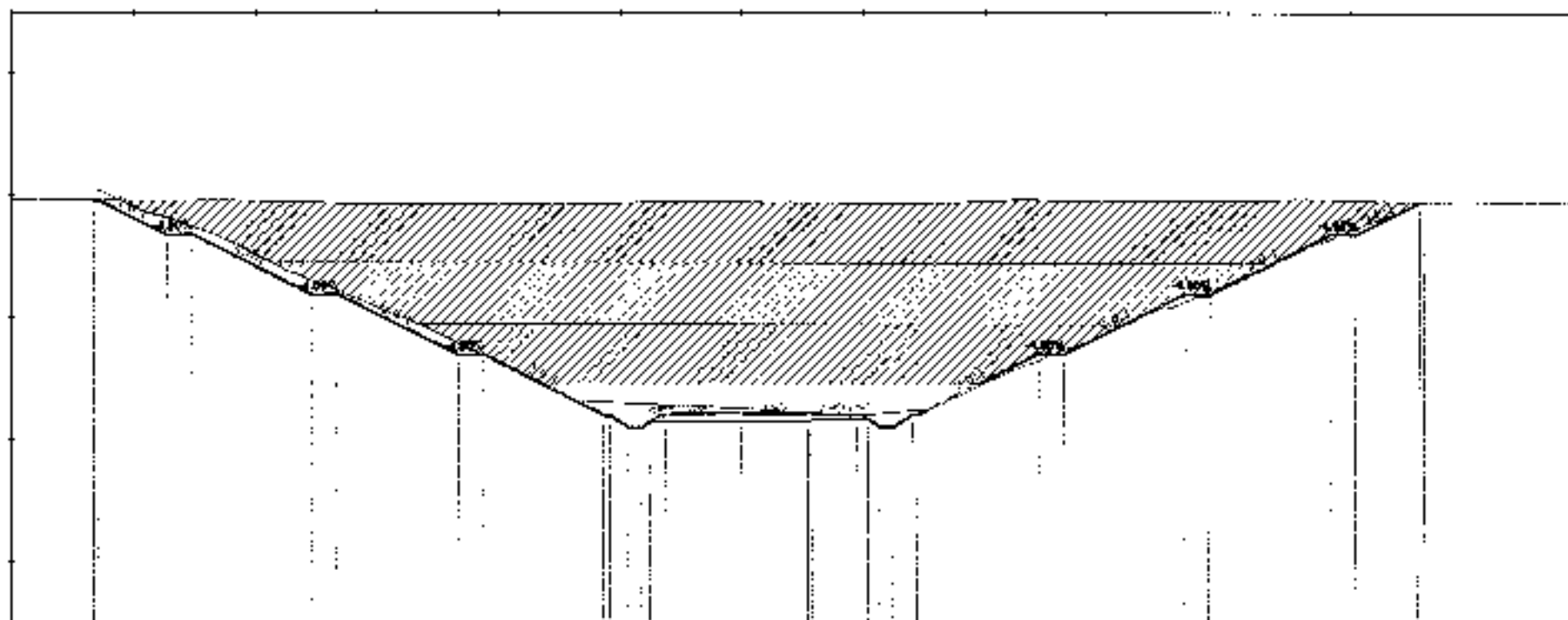
Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Rm. Sakera - 4. First Railway Project

DWG SCALE 1:300	DESIGNED BY Dr. Mohamed Ghaleb	PROJECT
DATE	CHECKED BY Dr. Hassan Mahdy	APPROVED BY Dr. Ahmed Khalil
DWG SIZE A3	SHEET NUMBER 93	

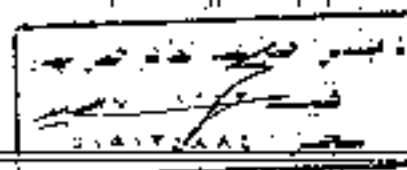


61+840.00			
Material Name	Area	Volume	CU MASH
For Depth From 0-5	130.30	9400.60	171675.01
For Depth From 5-10	350.24	6680.60	326217.19
For Depth From 10-15	233.15	4580.40	98019.66
For Depth From 15-20	68.13	1113.24	1061.33

61+840.00



OFFSET	sub ballast	EMBANKMENT LEVEL	NGL	diff
53.26	59.65	69.50	69.66	0.16
52.80	59.65	69.50	69.65	0.15
47.26	66.88	66.73	69.60	2.87
45.26	66.96	66.81	69.61	2.79
35.26	61.96	61.81	69.48	7.67
33.26	62.04	61.89	69.43	7.54
23.26	57.04	57.12	69.32	12.43
21.26	52.10	56.97	69.31	12.34
11.26	51.10	51.97	69.40	17.43
10.76	52.10	51.95	69.42	17.47
9.26	52.13	50.95	69.46	18.51
8.17	52.28	50.95	69.49	18.54
7.42	52.40	51.45	69.51	18.06
6.21	52.29	51.47	69.51	18.03
5.50	52.29	51.60	69.51	17.91
5.65	52.21	51.49	69.48	17.99
5.94	52.19	51.59	69.48	17.89
9.50	51.19	51.78	69.46	17.70
10.48	51.19	51.71	69.46	17.75
11.45	52.19	61.69	69.46	17.78
12.55	52.21	61.04	69.47	18.43
14.05	52.04	61.04	69.46	18.44
14.55	52.06	62.04	69.49	17.45
24.55	57.21	62.06	69.49	17.43
26.55	57.13	62.05	60.72	12.66
36.55	62.13	61.98	69.64	7.66
38.55	62.05	61.90	69.66	7.76
48.55	67.05	66.90	69.76	2.86
50.55	66.97	66.82	69.69	2.87
56.80	69.60	69.45	69.60	0.00
56.26	69.60	69.45	69.59	0.01



Notes:
Subballast Depth = 30 cm
PreparedSubgradeDepth = 50cm

Legend:

- Natural ground level
- FOR DEPTH FROM 0 TO 5
- FOR DEPTH FROM 5 TO 10
- FOR DEPTH FROM 10 TO 15
- FOR DEPTH FROM 15 TO 20
- Subballast hatch
- prepared Subgrade hatch

DESIGNED BY Dr. Mohamed Ghannem	CHECKED BY Dr. Hassan Sady	APPROVED BY Dr. Ahmed Khalil
SHEET NUMBER Q4		

OWNER:
EGYPTIAN ARAB REPUBLIC
MINISTRY OF TRANSPORTATION
GENERAL AUTHORITY OF ROAD & RAILWAYS

Main Contractor:
SHAKER CONSULTANCY GROUP

General Consultant:
SHAKER CONSULTANCY GROUP

Contractor Consultant:
SHAKER CONSULTANCY GROUP

SURVEY Consultant:
CSM
El dawla
for Surveying & Mapping

SHEET NAME:
Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Bach Sabra - 6 October Railway Project

DWG SCALE:
1:500

DESIGNED BY:
Dr. Mohamed Ghannem

CHECKED BY:
Dr. Hassan Sady

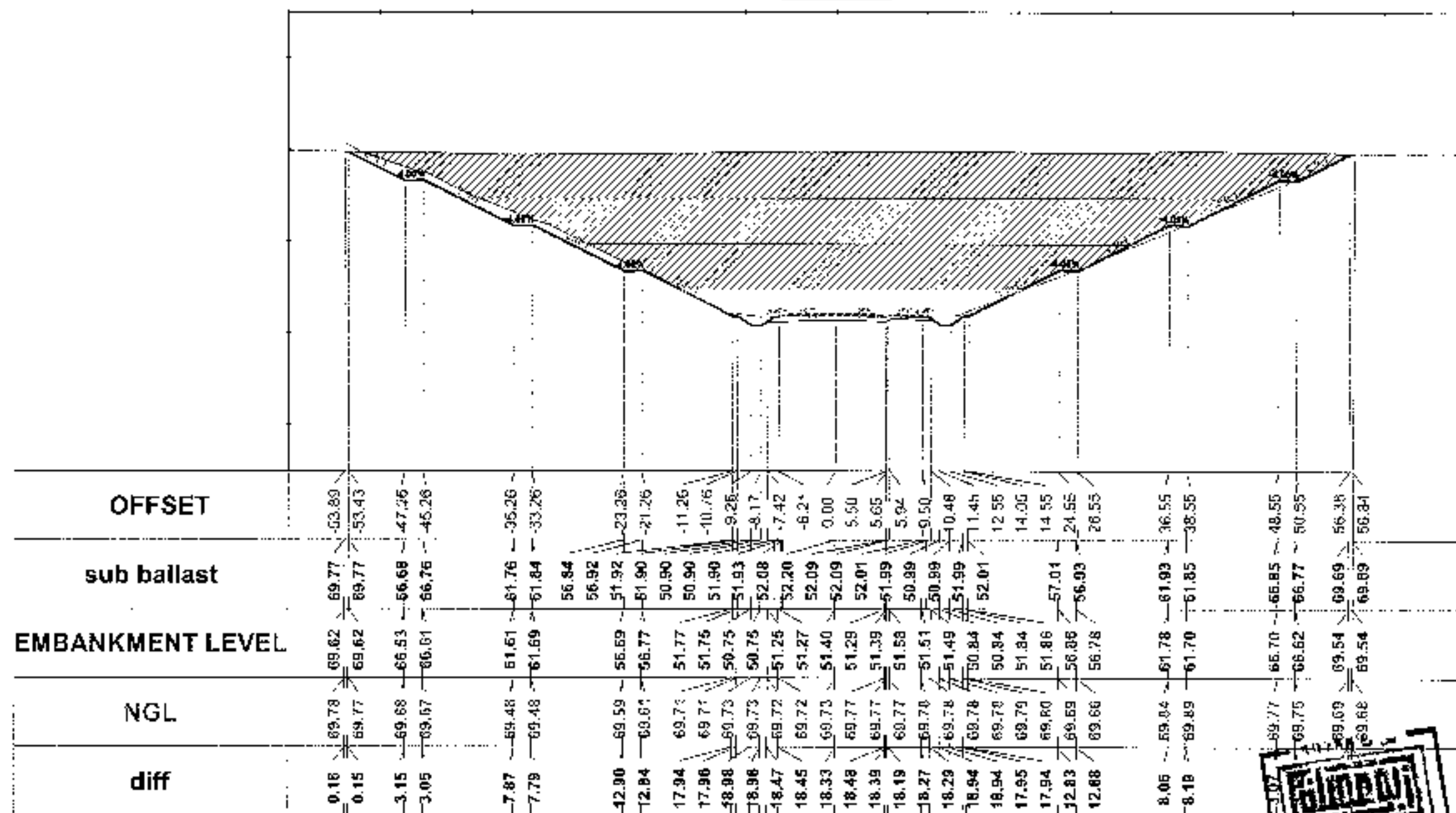
APPROVED BY:
Dr. Ahmed Khalil

DWG SIZE:
A1

SHEET NUMBER:
Q4

61+860.00			
Material Name	Area	Volume	CUMVOL
For Depth From 0-5	175.15	9474.15	181120.83
For Depth From 5-10	954.08	7083.08	233600.50
For Depth From 10-15	211.50	4769.71	10789.30
For Depth From 15-20	16.02	1484.57	3463.90

61+860.00



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE: 12/11/2024	DATE: 12/11/2024
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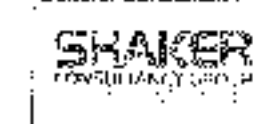
OWNER:



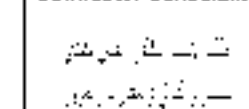
Main Contractor:



General Consultant:



Contractor Consultant:



SURVEY Consultant:



SHEET NAME:

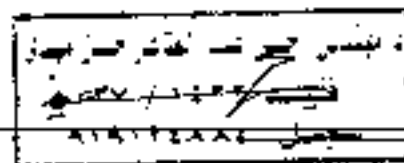
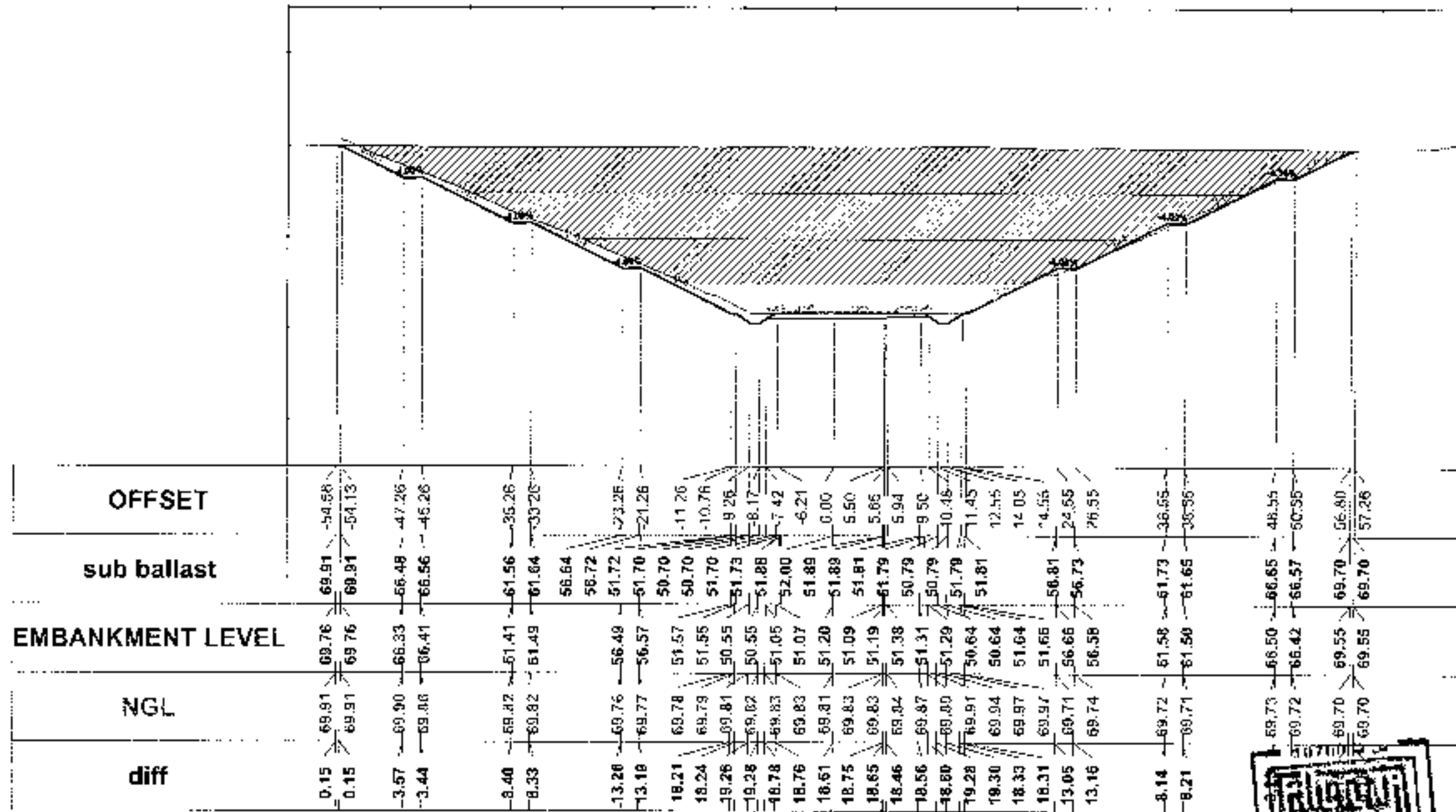
Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 61+000
Riad Salama - S Dasher Railway Project

DWG SCALE: 1:500	DESIGNED BY: Dr. Mohamed Ghazal	PROJECT
PHASE:	CHECKED BY: Dr. Hassan Makiy	APPROVED BY: Dr. Ahmed Khalil
DWG SIZE: A1	SHEET NUMBER: 95	



61+880.00			
Material Name	Area	Volume	CU M/VOL
For Depth From 0-5	135.35	8614.96	1937.1180
For Depth From 5-10	361.21	7224.88	210555.10
For Depth From 10-15	211.71	4882.41	75651.57
For Depth From 15-20	91.30	1809.27	7255.15

61+880.00



Notes:

SubBallast Depth = 30 cm

Prepared Subgrade Depth = 50 cm

Legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
▧	FOR DEPTH FROM 10 TO 15
▦	FOR DEPTH FROM 15 TO 20
▤	SubBallast hatch
▥	prepared Subgrade hatch

DATE	12/1/2024	DATE	12/1/2024
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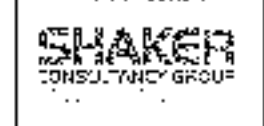
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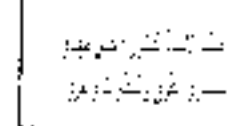
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



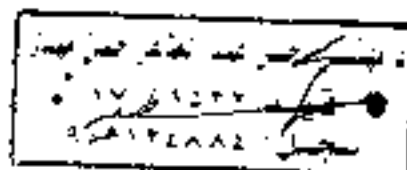
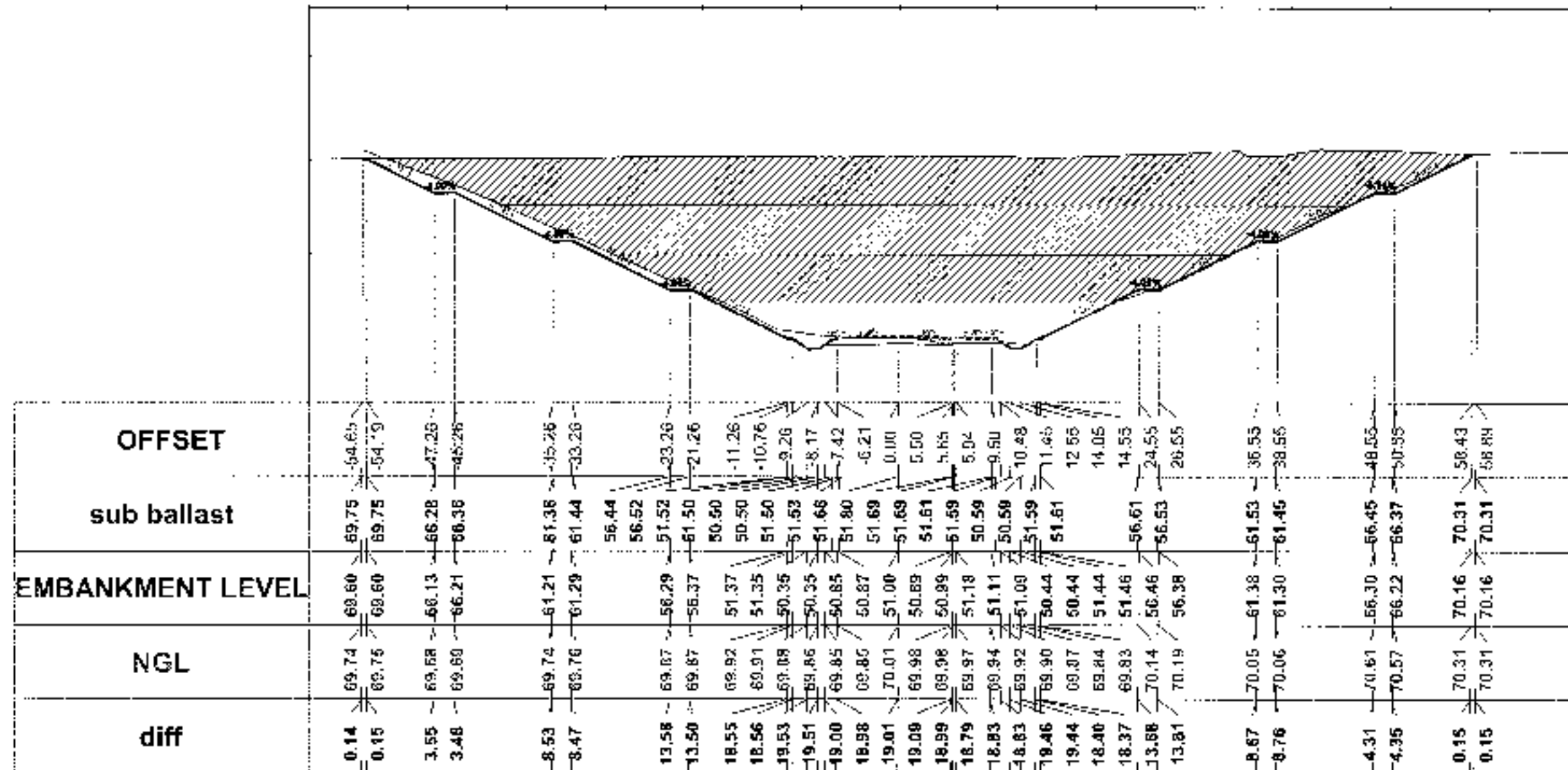
SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Ramsahm - 6 Cross Railway Project

DWG SCALE 1:50	DESIGNED BY Dr. Mohamed Ghazal	PROJECT
PHASE	CHECKED BY Dr. Hassen M. Alsh	APPROVED BY Dr. Ahmed Khalil
DWG SIZE A1	SHEET NO. / TOTAL 95	

61+900.00			
Material Name	Area	Volume	CFV (CM)
For Depth From 0-5	153.98	9790.27	103565.08
For Depth From 5-10	372.11	7368.52	217025.97
For Depth From 10-15	251.89	5026.32	98596.09
For Depth From 15-20	112.88	2057.67	9112.89

61+900.00



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	Prepared Subgrade hatch

DATE	12/1/2024
BY	12/1/2024
DATE	12/1/2024
BY	12/1/2024

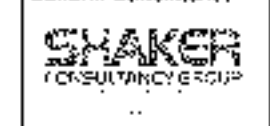
OWNER :



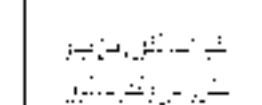
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



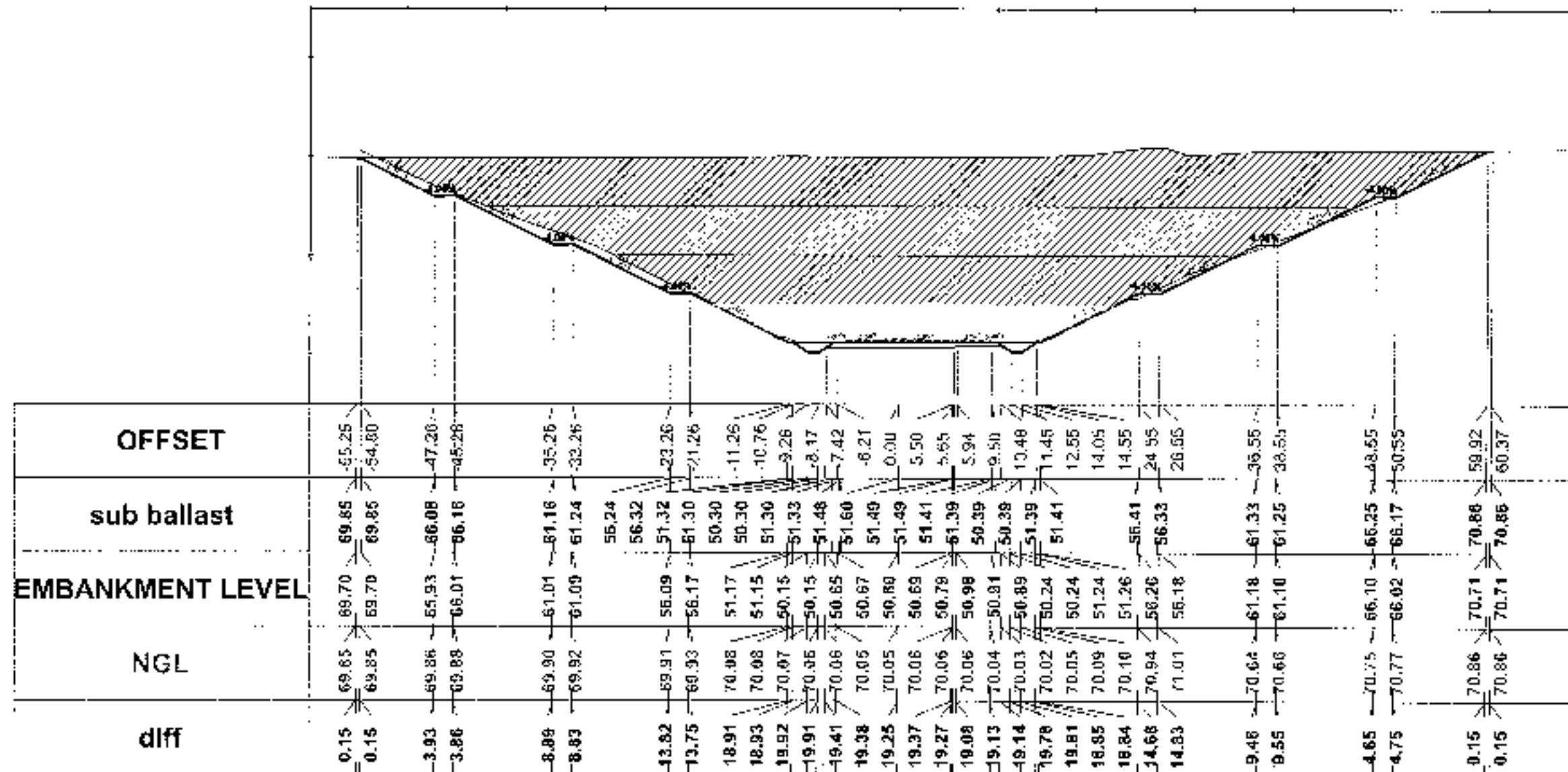
SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Part Salina - A Humber Railway Project

DWG SCALE:	DESIGNED BY:	PROJECT
1:50	Dr. Mohamed Ghannem	
EMSL	CHECKED BY:	APPROVED BY:
	Dr. Hassan Youssef	Dr. Ahmed Khatib
DWG SIZE:	SHEET NUMBER	
A3	97	

61+920.00			
Material Name	Area	Volume	CFM/VOL
For Depth From 0-5	526.02	10208.97	513711.05
For Depth From 5-10	580.58	7530.28	557151.26
For Depth From 10-15	260.89	5187.88	83995.97
For Depth From 15-20	135.15	2383.12	11715.98

61+920.00



مخطط عرض المقطع العرضي
محور / محور
مخطط عرض المقطع العرضي



Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth = 50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE	12/1/2024
DATE	12/1/2024

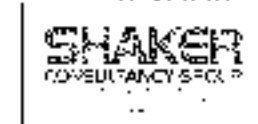
OWNER :



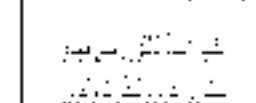
Main Contractor:



General Consultant :



Contractor Consultant



SURVEY Consultant



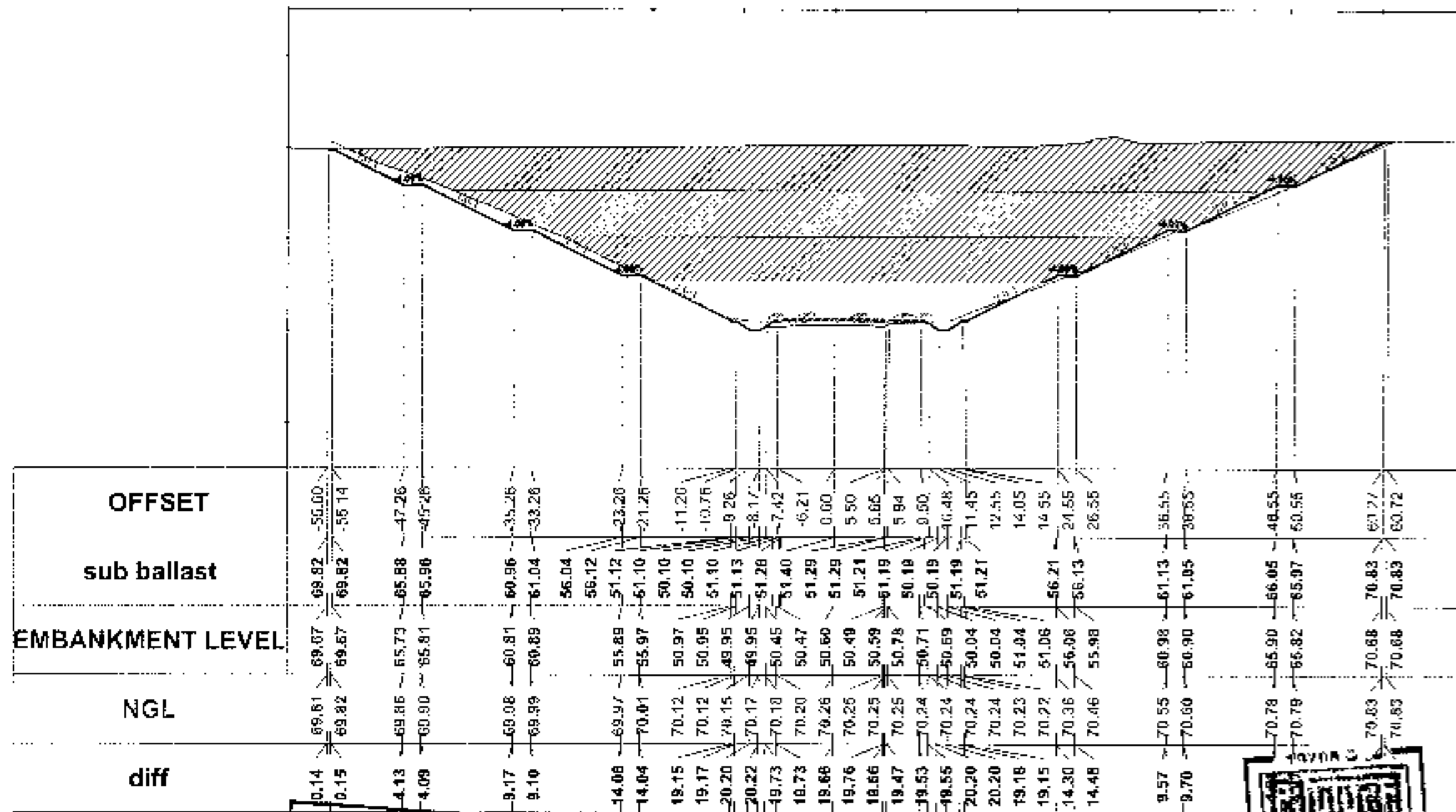
SHEET NAME :

Shop Drawing design cross sections
STATIONS FROM 60+000 TO 62+000
Ran Salma - Al-Qadisiyah Railway Project

DWG SCALE	DESIGNED BY	PROJECT
1:500	Dr. Mohamed El-Mohamed	
PHASE	CHECKED BY	APPROVED BY
	Dr. Hassen M. Al-Jabir	Dr. Ahmed Khalil
DWG SIZE	SHEET NUMBER	
A1	98	

61+90.00			
Material Name	Area	Volume	TCM Vol
For Depth From 0-5	513.05	10427.83	52117.88
For Depth From 5-10	369.29	7098.76	261153.01
For Depth From 10-15	272.53	5334.28	91218.25
For Depth From 15-20	113.11	2658.91	14311.87

61+940.00



Notes:

SubBallast Depth = 30 cm.

PreparedSubgradeDepth=50cm

Legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

ENG. Amr Farouk	DATE: 12/11/2012
DR. Mohamed Elmaghrabi	DATE: 12/11/2012

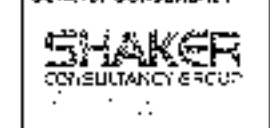
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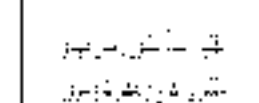
Main Contractor:



General Consultant :



Contractor Consultant:



SURVEY Consultant:



SHEET NAME :

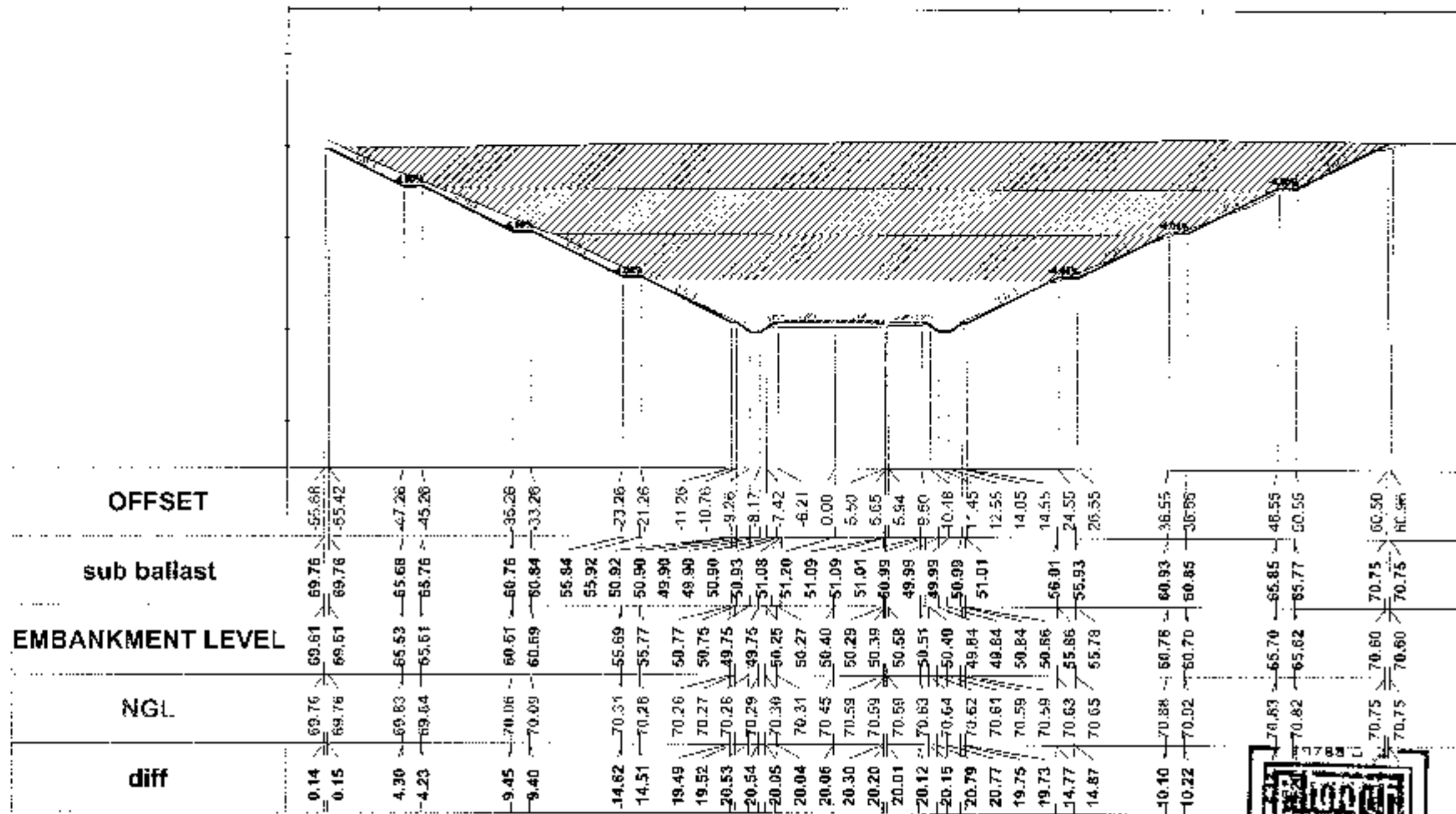
Shop Drawing design-cross sections
STATIONS FROM 60+00 TO 62+00
Bim Salama - 6 October Railway Project

DWG SCALE 1:100	DESIGNED BY Dr. Mohamed Elmaghrabi	PROJECT
PHASE	CHECKED BY Dr. Hassan Gabry	APPROVED BY Dr. Ahmed Elmaghrabi
DWG SIZE A3	SHEET NUMBER 99	



61+960.00			
Material Name	Area	Volume	CUM VOL
For Depth From 0-5	530.17	10359.84	534531.54
For Depth From 5-10	199.30	7888.80	251011.62
For Depth From 10-15	118.80	5513.38	98733.63
For Depth From 15-20	136.71	2971.78	17316.03

61+960.00



مهندس
عبدالله محمد
مهندس

ABUABBA
مهندس
عبدالله محمد
مهندس

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth = 50cm.

Legend:

---	Natural ground level
▨	FOR DEPTH FROM 0 TO 5
▩	FOR DEPTH FROM 5 TO 10
■	FOR DEPTH FROM 10 TO 15
■	FOR DEPTH FROM 15 TO 20
■	SubBallast hatch
▨	prepared Subgrade hatch

DR. Mohamed Ghaleb	DR. Mohamed Ghaleb
DATE: 10/10/2023	DATE: 10/10/2023

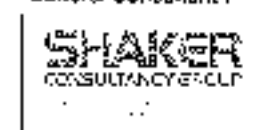
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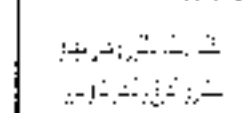
Main Contractor:



General Consultant:



Contractor Consultant:



SURVEY Consultant:



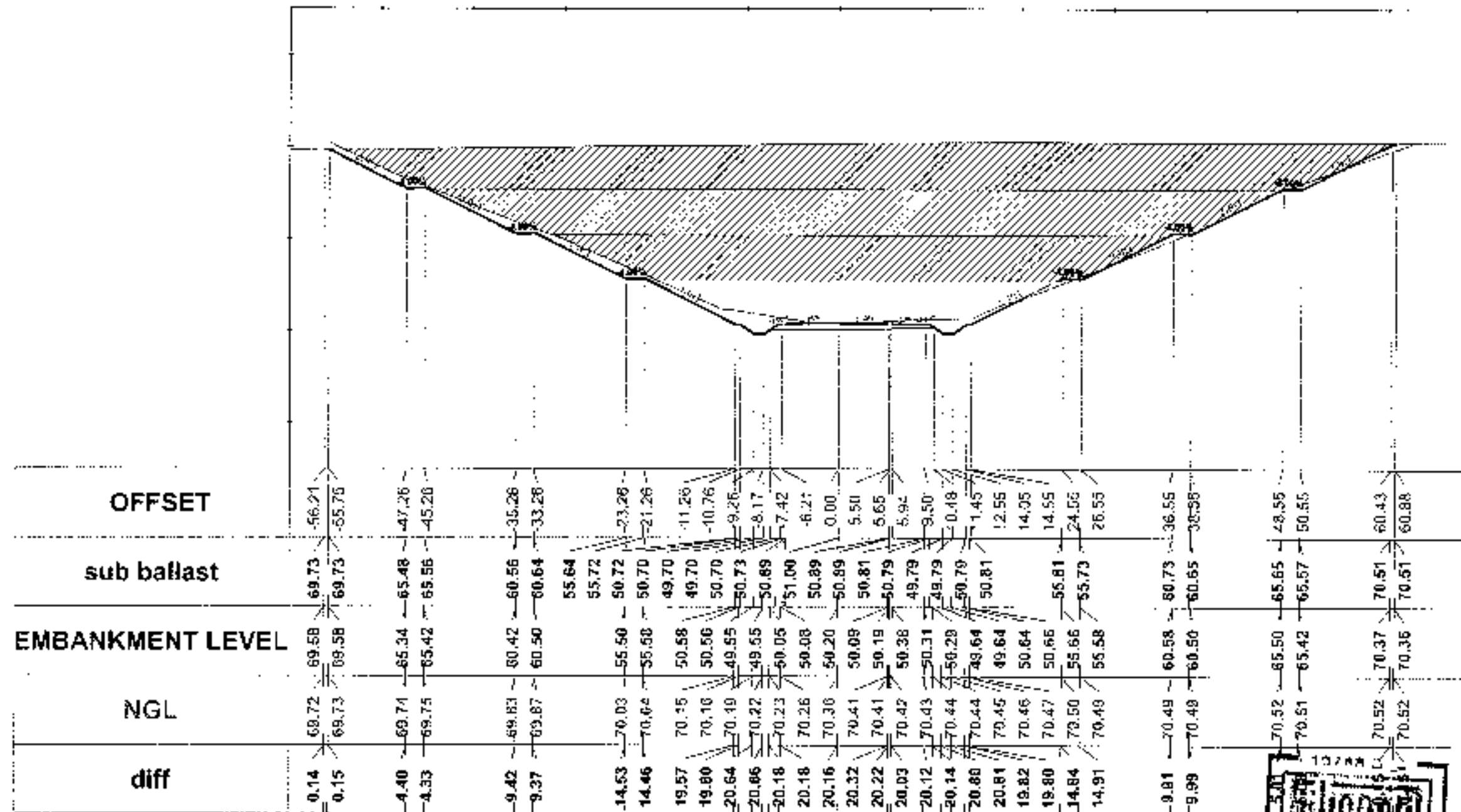
SHEET NAME:

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Dera Island - G.O. 2020 Railway Project

PRO SCALE 1:500	DESIGNED BY Dr. Mohamed Ghaleb	PROJECT
PRIMAL	CHECKED BY Dr. Hassan M. Alshaykh	APPROVED BY Dr. Ahmed Khalil
DWG SIZE A3	SHEET NUMBER 100	

61+980.00			
Material Name	Area	Volume	CLM (M)
For Depth From 0-5	511.71	10310.29	511859.09
For Depth From 5-10	105.14	8050.14	519001.96
For Depth From 10-15	281.22	5800.23	103913.85
For Depth From 15-20	110.61	2973.41	59920.06

61+980.00



مهندس حبيب محمد احمد
مهندس احمد محمد احمد
مهندس احمد محمد احمد



Notes:
SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

DATE: 12/11/2018	DESIGNED BY: DR. MOHAMMAD GUARIN	DR. MOHAMMAD GUARIN

OWNER:

Main Contractor:

General Consultant: **SHAKER CONSULTANCY SRL**

Contractor Consultant:

SURVEY Consultant: **EGM El dawla for Surveying & Map**

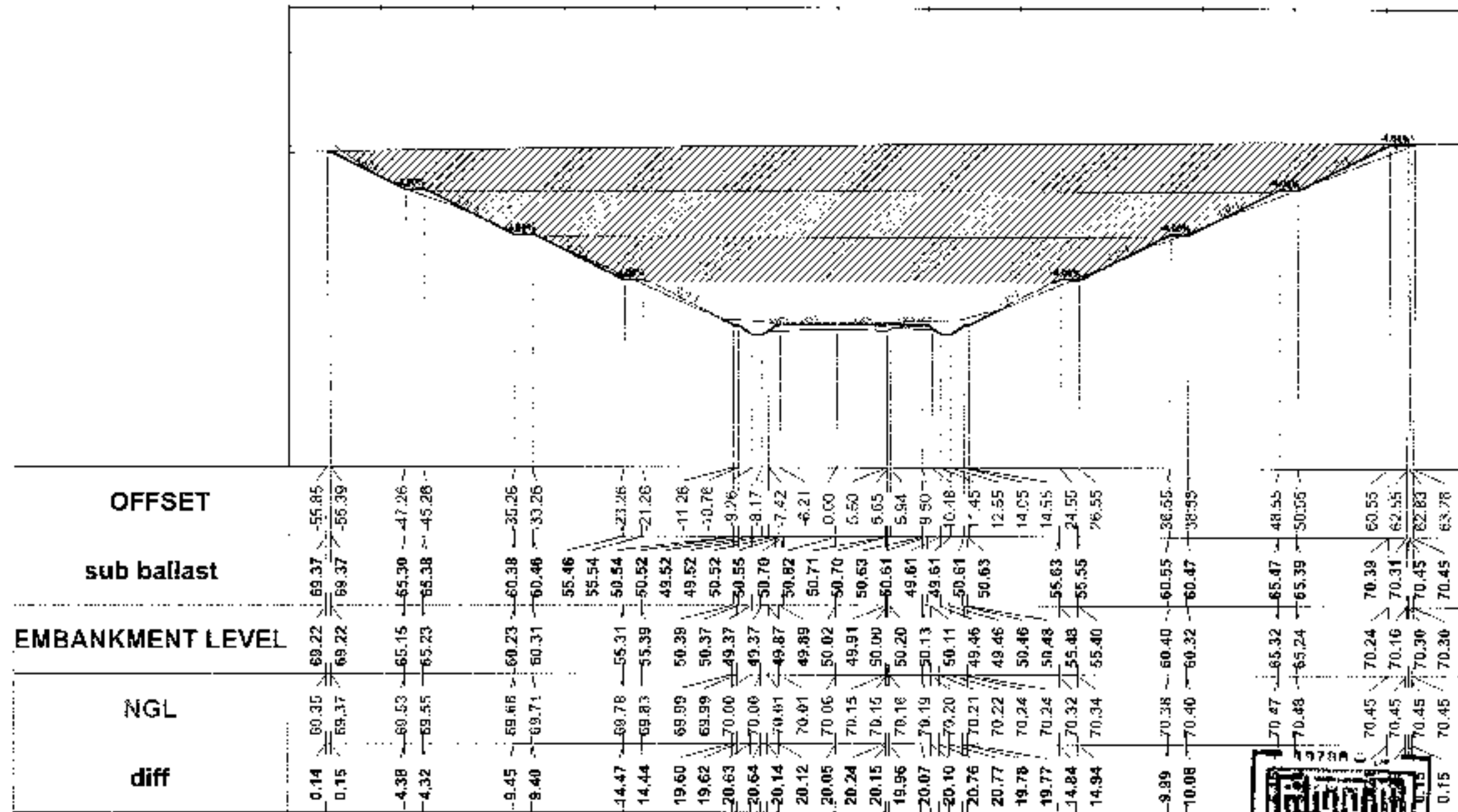
SHEET NAME:

Shop Drawing design-cases section
STATIONS FROM 60+000 TO 62+000
Bait Salma - 6 October Railway Project

DWG SCALE: 1:200	DESIGNED BY: Dr. Mohamed Ghannouchi	PROJECT
PHASE:	UNLOCKED BY: Dr. Rashed Mawla	APPROVED BY: Dr. Ahmed Khalil
DWG SIZE: A1	SHEET NUMBER: 101	

62+000.00			
Material Name	Area	Volume	CU/M3
For Depth From 0-5	512.38	10442.90	555192.02
For Depth From 5-10	111.02	0173.45	207135.11
For Depth From 10-15	281.23	5880.67	158021.52
For Depth From 15-20	130.21	2908.27	23229.12

62+000.00



مهندس محمد عبد الله
مهندس محمد عبد الله
مهندس محمد عبد الله

ABUSCEA
مهندس محمد عبد الله
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مهندس محمد عبد الله

Notes:

SubBallast Depth = 30 cm
PreparedSubgradeDepth=50cm

legend:

	Natural ground level
	FOR DEPTH FROM 0 TO 5
	FOR DEPTH FROM 5 TO 10
	FOR DEPTH FROM 10 TO 15
	FOR DEPTH FROM 15 TO 20
	SubBallast hatch
	prepared Subgrade hatch

ENC. APPROVED	REVISION	DATE
10/10/2022		10/10/2022

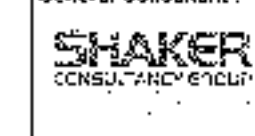
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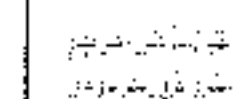
Main Contractor :



General Consultant :



Contractor Consultant :



SURVEY Consultant :



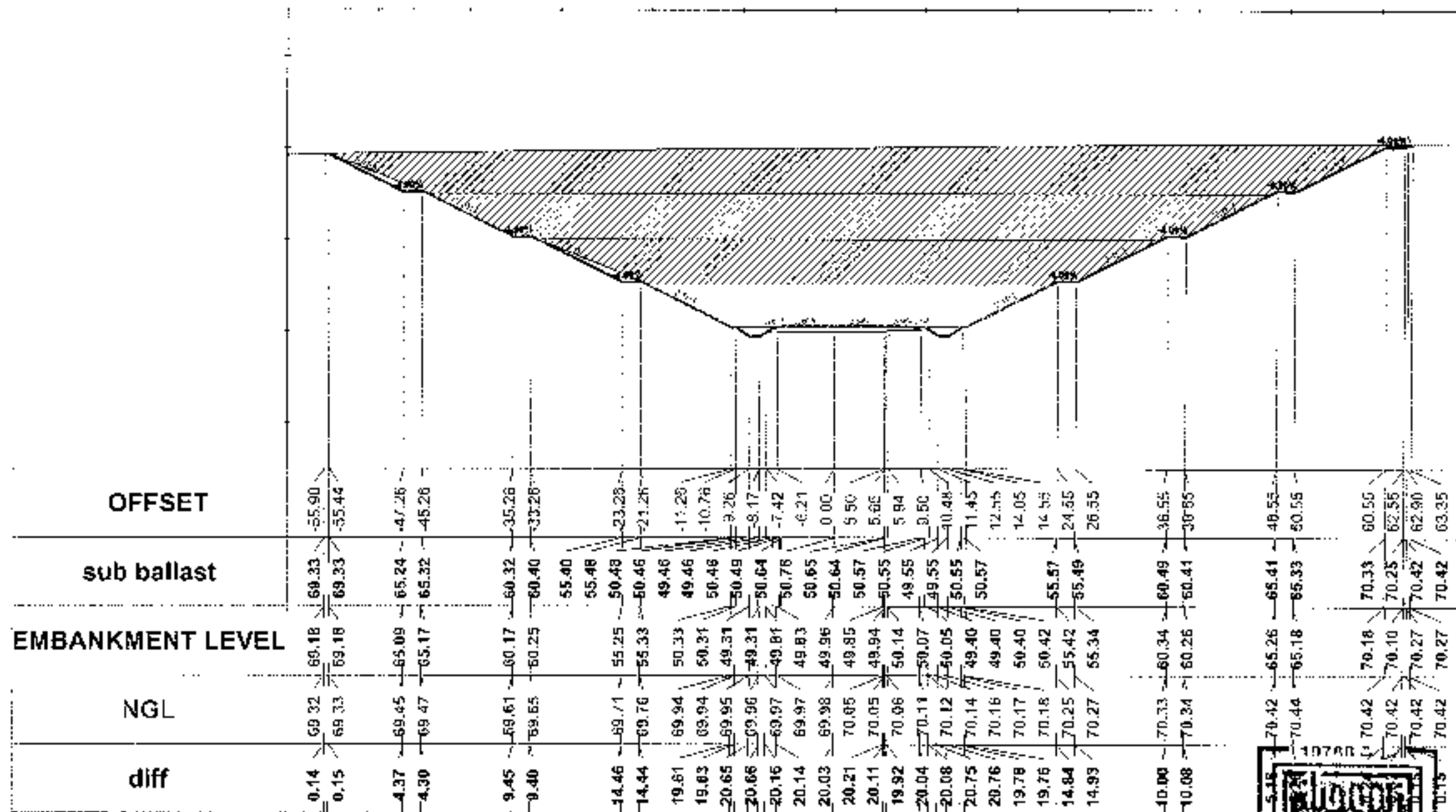
SHEET NAME :

Shop Drawing design-works sections
STATIONS FROM 60+00 TO 62+00
Bun Salama - 6 October Railway Project

DWG SCALE 1:50	DESIGNED BY Dr. Mohamed Ghannay	PROJECT
PHASE	CHECKED BY Dr. Hassan Mansour	APPROVED BY Dr. Ahmed Khalid
DWG SIZE A2	SHEET NUMBER 102	

62+006.82			
Material Name	Area	Volume	CU M3/30L
For Depth From 0-5	531.35	3627.90	66882.37
For Depth From 5-10	112.91	2812.71	290054.11
For Depth From 10-15	225.12	1953.78	106816.29
For Depth From 15-20	171.37	1055.68	21281.01

62+006.82



Notes:

SubBallast Depth = 30 cm

PreparedSubgradeDepth=50cm

Legend:

-----	Natural ground level
////	FOR DEPTH FROM 0 TO 5
////	FOR DEPTH FROM 5 TO 10
////	FOR DEPTH FROM 10 TO 15
////	FOR DEPTH FROM 15 TO 20
----	SubBallast hatch
----	prepared Subgrade hatch

DRG. APPROVED	DATE 12/11/2024
DR. V. CHANDRAN	DATE 12/11/2024

OWNER :



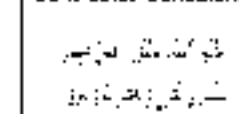
Main Contractor:



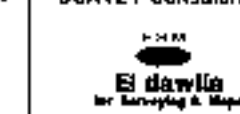
General Consultant :



Contractor Consultant



SURVEY Consultant



SHEET NAME :

Shop Drawing design-cross sections
STATIONS FROM 60+000 TO 62+000
Bani Salama - A Humber Railway Project

DWG SCALE 1:500	DESIGNED BY Dr. Mohamed Ghannam	PROJECT
PHASE	CHECKED BY Dr. Hassen M. Ghannam	APPROVED BY Dr. Ahmed K. Ghannam
DWG SIZE A3	SHEET NUMBER 103	