

## وزارة الكهرباء والطاقة

قرار وزارى رقم ٩٩ لسنة ٢٠١٣

صادر بتاريخ ٢٠١٣/٣/١٠

## وزير الكهرباء والطاقة

بعد الاطلاع على القانون رقم ٦٣ لسنة ١٩٧٤ بشأن منشآت قطاع الكهرباء  
والمعدل بالقانون رقم ٢٠٤ لسنة ١٩٩١ ولائحته التنفيذية ؛  
وعلى القانون رقم ١٦٤ لسنة ٢٠٠٠ بتحويل هيئة كهرباء مصر  
إلى شركة مساهمة مصرية ؛  
وعلى النظام الأساسى للشركة المصرية لنقل الكهرباء ؛  
وعلى مذكرة رئيس مجلس إدارة الشركة المصرية لنقل الكهرباء  
بتاريخ ٢٠١٣/٢/١٣ ؛

## قرر:

مادة ١ - يتم تنفيذ وإقامة الأبراج أرقام (٢٤ ، ٢٨ ، ٢٩ ، ٣٠ ، ٣١ ، ٣٢)  
وشد الموصلات للخط الكهربائى أشمون / شمال الجيزة جهد ٢٢٠ ك. ف.  
بمنطقة أبو غالب - مركز إمبابة بمحافظة الجيزة ، وذلك على الأرض التى يمر بها هذا الخط  
طبقاً للمسار الموضح بالخريطة المساحية وكشف الملك الظاهرين والرسومات الهندسية المرفقة ،  
ويكون تنفيذ الأعمال على النحو التالى :

| م | رقم البرج | طراز البرج | أبعاد الحفر بالمتر      | ارتفاع حديد البرج | عدد الأرجل |
|---|-----------|------------|-------------------------|-------------------|------------|
| ١ | ٢٤        | A60sP      | ٣,١٥٠ × ٢٢,٥٦٤ × ٢٢,٥٦٤ | ٤٢,٧ م            | ٤          |
| ٢ | ٢٨        | A2         | ٣,١٥٠ × ١٤,٢٥٢ × ١٦,٣٥٨ | ٤١ م              | ٤          |
| ٣ | ٢٩        | A2         | ٣,١٥٠ × ١٤,٢٥٢ × ١٦,٣٥٨ | ٤٥ م              | ٤          |
| ٤ | ٣٠        | A2E4       | ٣,١٥٠ × ١٤,٢٥٢ × ١٦,٣٥٨ | ٣٧,٧ م            | ٤          |
| ٥ | ٣١        | A60        | ٣,٣٥٠ × ٢٢,٥٦٤ × ٢٢,٥٦٤ | ٤٠,٤ م            | ٤          |
| ٦ | ٣٢        | A90        | ٣,٣٠ × ٢٥ × ٢٥          | ٤٥ م              | ٤          |

أعمال حفر للأبراج .

أعمال خرسانة عادية مسلحة للأبراج .

أعمال عزل بالبيوتامين للأبراج .

تركيب الحديد العلوى للبرج .

تركيب العازلات وشد الموصلات وسلك الأرضى .

مادة ٢ - على الشركة المصرية لنقل الكهرباء استكمال الإجراءات المقررة

وفقاً لأحكام القانون رقم ٦٣ لسنة ١٩٧٤ المشار إليه وتعديلاته .

مادة ٣ - ينشر هذا القرار وملحقاته فى الوقائع المصرية ، وعلى جميع المختصين تنفيذه .

وزير الكهرباء والطاقة

مهندس / أحمد مصطفى إمام

## الشركة المصرية لنقل الكهرباء

### مذكرة

للعرض على السيد المهندس الوزير

**الموضوع :** تنفيذ وإقامة الأبراج أرقام (٢٤ ، ٢٨ ، ٢٩ ، ٣٠ ، ٣١ ، ٣٢)

وشد الموصلات لخط أشمون - شمال الجيزة جهد ٢٢٠ ك. ف. بمحافظة الجيزة .

**الخلفية :** تقوم الشركة المصرية لنقل الكهرباء حالياً بتنفيذ وإقامة الأبراج

لخط أشمون - شمال الجيزة وعند البدء فى التنفيذ اعترض ملاك الأراضى الزراعية  
المرار بها هذه الأبراج على التنفيذ.

**المعروض :** بذلت عدة محاولات لإقناع الملاك المعترضين على التنفيذ وإبداء استعداد

الشركة لدفع التعويضات المناسبة ولكن باءت كل المحاولات بالفشل وما زال العمل متوقفاً .

قد ترون سيادتكم التفضل بإصدار قرار تنفيذ الأبراج المشار إليها بالقوة الجبرية .

**المطلوب :** التفضل بالنظر .. وفى حالة الموافقة .. التفضل بتوقيع القرار المرفق .

رئيس مجلس الإدارة

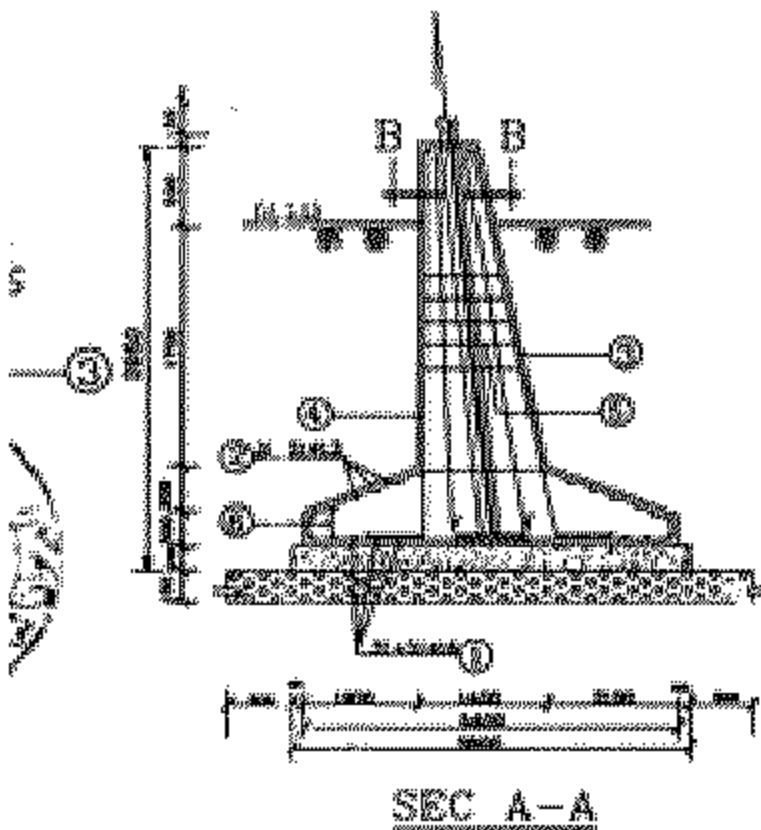
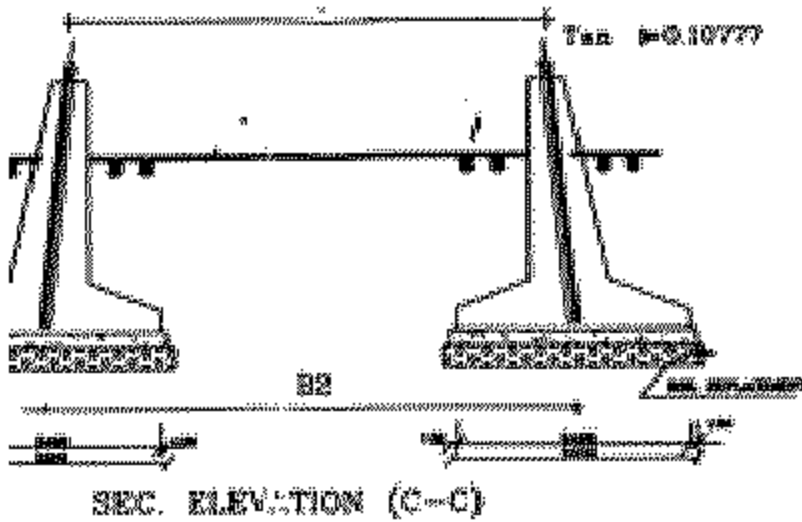
مهندس / فتح الله محمد لطفى شلبى

## بيان بأسماء الملاك الظاهرين المعترضين

على تنفيذ الأبراج أرقام (٢٤ ، ٢٨ ، ٢٩ ، ٣٠ ، ٣١ ، ٣٢)

مخط أشمون - شمال الجزيرة جهد ٢٢٠ ك. ف.

| ٢ | رقم البرج | طراز البرج | أسماء الملاك الظاهرين  | المكان المراد تنفيذ البرج به            |
|---|-----------|------------|--|---|
| ١ | ٢٤        | A60SP      | عبد الشهيد عيد العزيز عيد الشهيد<br>صلاح محمد السيد الشلقانى<br>محمود عبد العظيم السيد محمد              | أبو غالب - مركز إمبابة<br>محافظة الجيزة |
| ٢ | ٢٨        | A2         | رجب على منصور  |   |
| ٣ | ٢٩        | A2         | رمضان أحمد صقر<br>نصار عبد الشافى  |   |
| ٤ | ٣٠        | A2E4       | حلى حمزة<br>رمضان أحمد صقر<br>ورثة/ سعيد عبد الشامى  |   |
| ٥ | ٣١        | A60        | ورثة/ عيد القادر رضوان<br>عبد العزيز محمود<br>مصطفى كمال أبو عمارة<br>مرتضى مصباح فاذورة ، وشهرته (صابر) |   |
| ٦ | ٣٢        | A90        | عبد الرازق أحمد عبد العافى<br>معوض على عبد العافى  |   |



| TYPIC | A1    | B1    | C1   | D1   | E1    | A2   | B2   | C2   | D2   | E2    |
|-------|-------|-------|------|------|-------|------|------|------|------|-------|
| A2    | 0771  | 0824  | 0312 | 7522 | 0824  | 7142 | 7791 | 8045 | 8585 | 12390 |
| A2C4  | 0928  | 10764 | 0498 | 8079 | 10308 | 8004 | 8828 | 4308 | 7628 | 14752 |
| A2D1  | 11541 | 11804 | 0487 | 8547 | 17454 | 8068 | 8804 | 4787 | 7487 | 18414 |

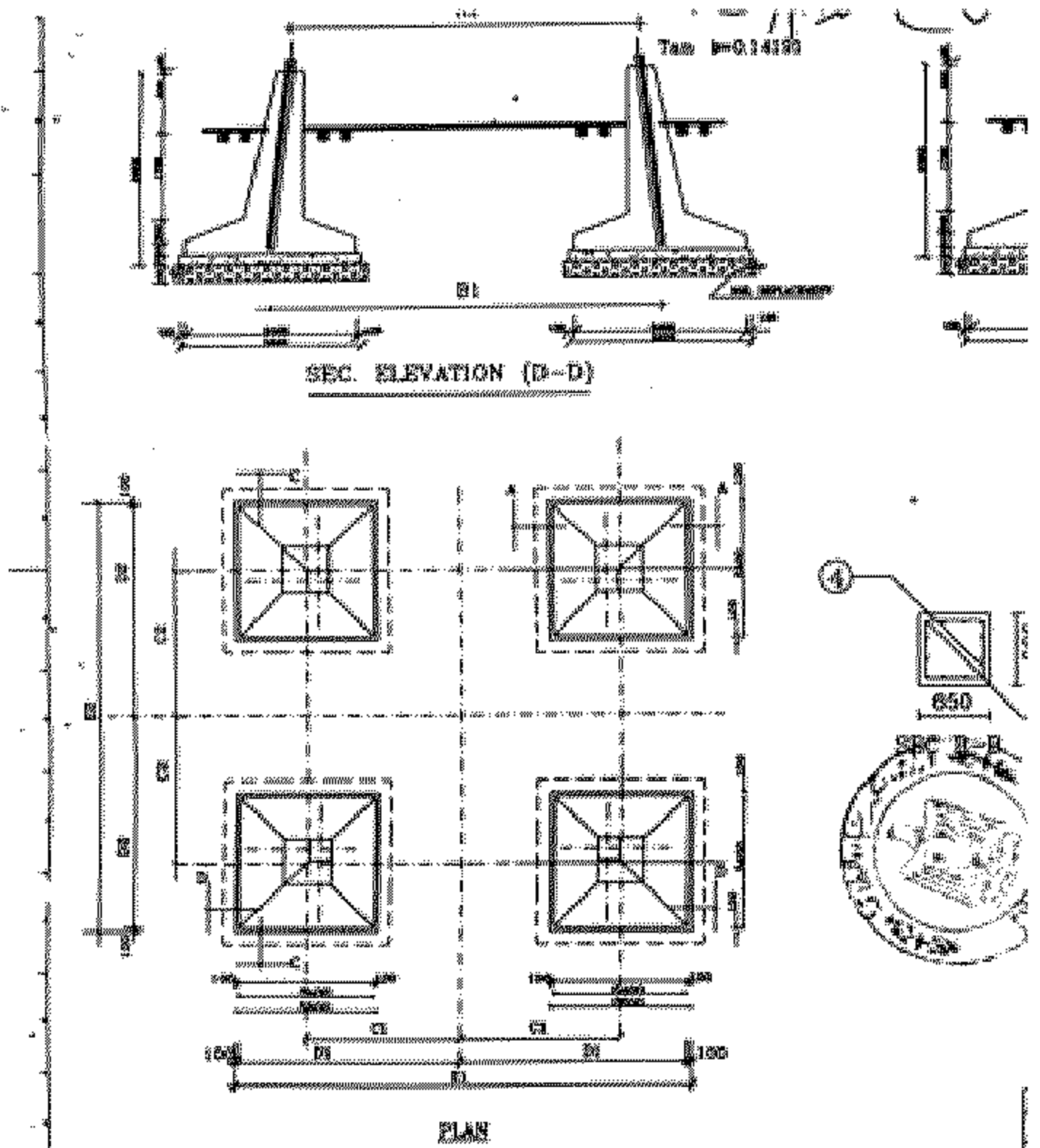
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**GENERAL NOTES**

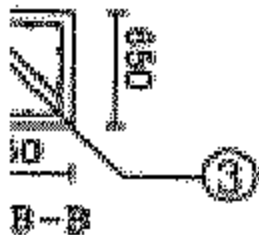
1. Fabrication and erection to be in accordance with specifications.
2. Materials to be used shall be as follows:
  - a. Structural steel: SAE 1020 or 1025.
  - b. Bolts: SAE 3048.
  - c. Rivets: SAE 1020.
3. All dimensions shall be in millimeters unless otherwise specified.
4. The contractor shall be responsible for obtaining all necessary permits and licenses.
5. The contractor shall be responsible for the safety of the work during construction.
6. The contractor shall be responsible for the safety of the work during erection.
7. The contractor shall be responsible for the safety of the work during operation.
8. The contractor shall be responsible for the safety of the work during maintenance.
9. The contractor shall be responsible for the safety of the work during repair.
10. The contractor shall be responsible for the safety of the work during overhaul.
11. The contractor shall be responsible for the safety of the work during testing.
12. The contractor shall be responsible for the safety of the work during commissioning.
13. The contractor shall be responsible for the safety of the work during handover.
14. The contractor shall be responsible for the safety of the work during decommissioning.
15. The contractor shall be responsible for the safety of the work during dismantling.
16. The contractor shall be responsible for the safety of the work during removal.
17. The contractor shall be responsible for the safety of the work during disposal.
18. The contractor shall be responsible for the safety of the work during recycling.
19. The contractor shall be responsible for the safety of the work during reuse.
20. The contractor shall be responsible for the safety of the work during storage.
21. The contractor shall be responsible for the safety of the work during transport.
22. The contractor shall be responsible for the safety of the work during installation.
23. The contractor shall be responsible for the safety of the work during operation.
24. The contractor shall be responsible for the safety of the work during maintenance.
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37. The contractor shall be responsible for the safety of the work during transport.
38. The contractor shall be responsible for the safety of the work during installation.
39. The contractor shall be responsible for the safety of the work during operation.
40. The contractor shall be responsible for the safety of the work during maintenance.
41. The contractor shall be responsible for the safety of the work during repair.
42. The contractor shall be responsible for the safety of the work during overhaul.
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100. The contractor shall be responsible for the safety of the work during storage.

... (Additional notes and specifications in Arabic)

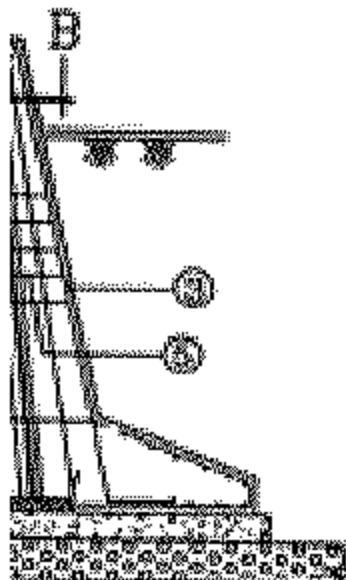


٤ - لدرجی قامینڈا آئینہ شمال بحیرہ مصر  
 CC

غاية من رعيه  
خامه نبط الاستخدمه



0.1643



| SECTION | SECTION NO. | SECTION NAME | SECTION TYPE | NO. OF SHEETS |
|---------|-------------|--------------|--------------|---------------|
| 1       | 1           | 1            | 1            | 1             |
| 2       | 2           | 2            | 2            | 2             |
| 3       | 3           | 3            | 3            | 3             |
| 4       | 4           | 4            | 4            | 4             |
| 5       | 5           | 5            | 5            | 5             |

| NO. | DESCRIPTION | QUANTITY | UNIT | REMARKS |
|-----|-------------|----------|------|---------|
| 1   | 1           | 1        | 1    | 1       |
| 2   | 2           | 2        | 2    | 2       |
| 3   | 3           | 3        | 3    | 3       |
| 4   | 4           | 4        | 4    | 4       |
| 5   | 5           | 5        | 5    | 5       |

GENERAL NOTES

- 1- Foundation was designed for the existing soil conditions.
  - Shrinkage cracking is allowed up to 0.1 mm.
  - Depth of foundation (from ground surface) is 1.50 m.
  - Ground water level is 1.20 m below F.F.S.
- 2- The structure is designed to resist seismic action according to the provisions of Egyptian Code of Practice for Earthquake Engineering (E.C.P.E.E.C. 2010).
- 3- Slab of concrete should be made without any interruption.
- 4- The steel reinforcement should be placed in concrete in proper manner.
  - The upper reinforcement should be in the top of slab.
  - Reinforcement bars to be used are higher strength through steel at 400 or 500 yield strength, unless specified.
- 5- Spacing of 20 mm maximum should be used & should be provided in the slab reinforcement by means of bending bars.
- 6- Working shall be done by the third & 4th layer when concrete pouring.
- 7- Each filling to be completed in layers and each layer thickness should not exceed 100 mm and the degree of compaction of each layer should be 95% for Max. 40 mm of the soil, by density measured from Standard Proctor test.
- 8- Cement to be used should be Portland cement.
  - 8a- 40-45 minimum use in construction.
  - 8b- The structure to be made with soil should be finished by 4 coats of white wash.
  - 8c- All reinforcement shall be covered against the steel work covering drawings.
  - 8d- The cover should be 25 mm for the reinforcement against soil.
  - 8e- The cover should be 25 mm for the steel bars - 25 mm against.
- 9- Concrete slab should be designed to provide the required slab strength with a min. 200 kg/cm<sup>2</sup> of concrete for foundation concrete and a min. 200 kg/cm<sup>2</sup> for slab concrete.
- 10- The reinforcement of ground and concrete slab shall be 400 or 500 yield strength. The degree of compaction should not be less than 95% of the maximum dry density determined from standard proctor test.
- 11- The concrete cover for reinforcement shall be 25 mm.
- 12- The cover of steel to soil difference by soil resistance at 40 or 50% to the soil and steel bridge shall be provided.

هذا التصميم من اعداد المهندس احمد محمد احمد  
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مهندس بدرجة البكالوريوس في الهندسة المدنية

| TYPE  | A     | B     | C    | D    | E     |
|-------|-------|-------|------|------|-------|
| A30E4 | 18782 | 18780 | 6888 | 6288 | 18783 |

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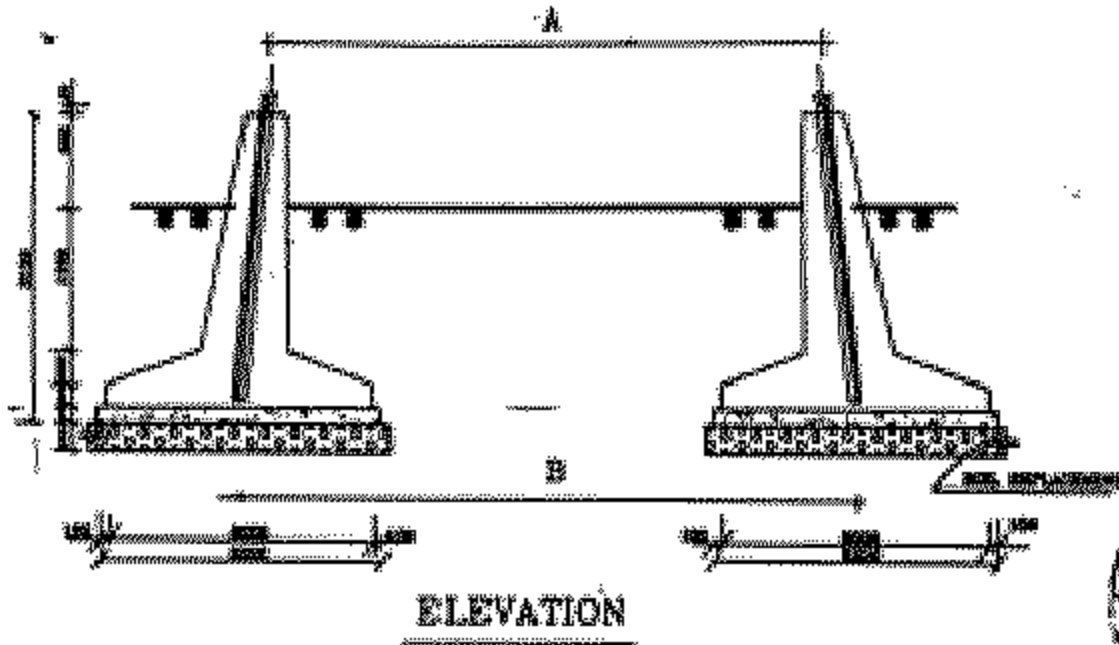




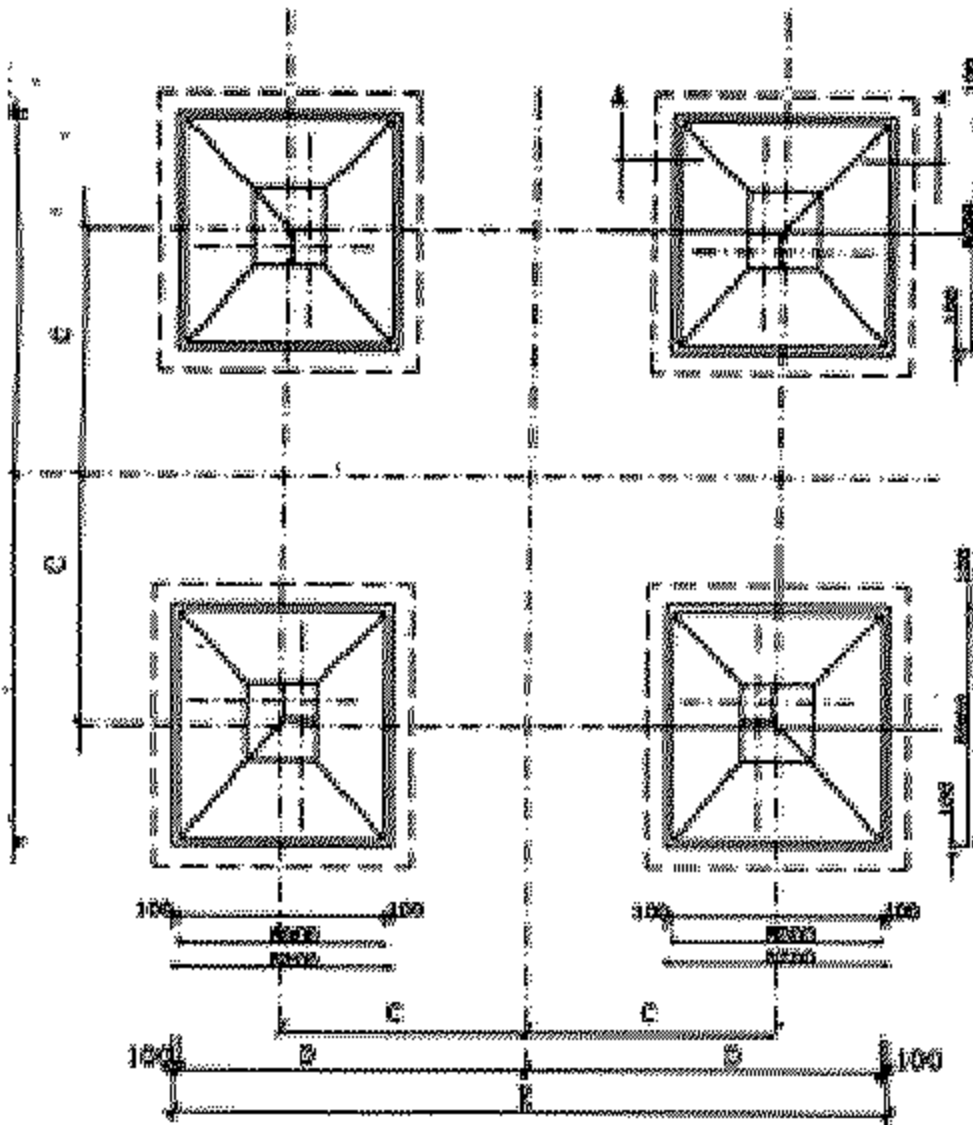




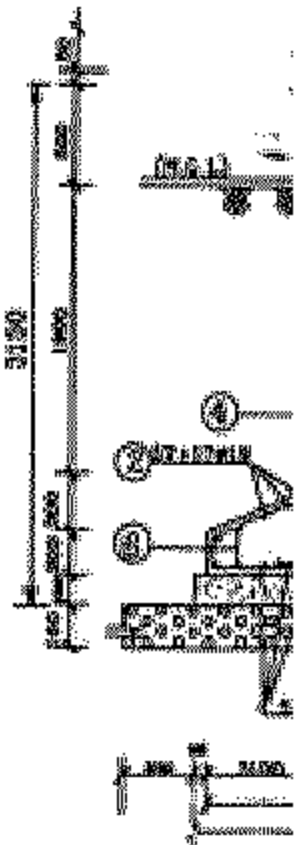
خامس: باب ١٠ - سيجها - تمديد حبال الجوز - ٢٠١٣



ELEVATION



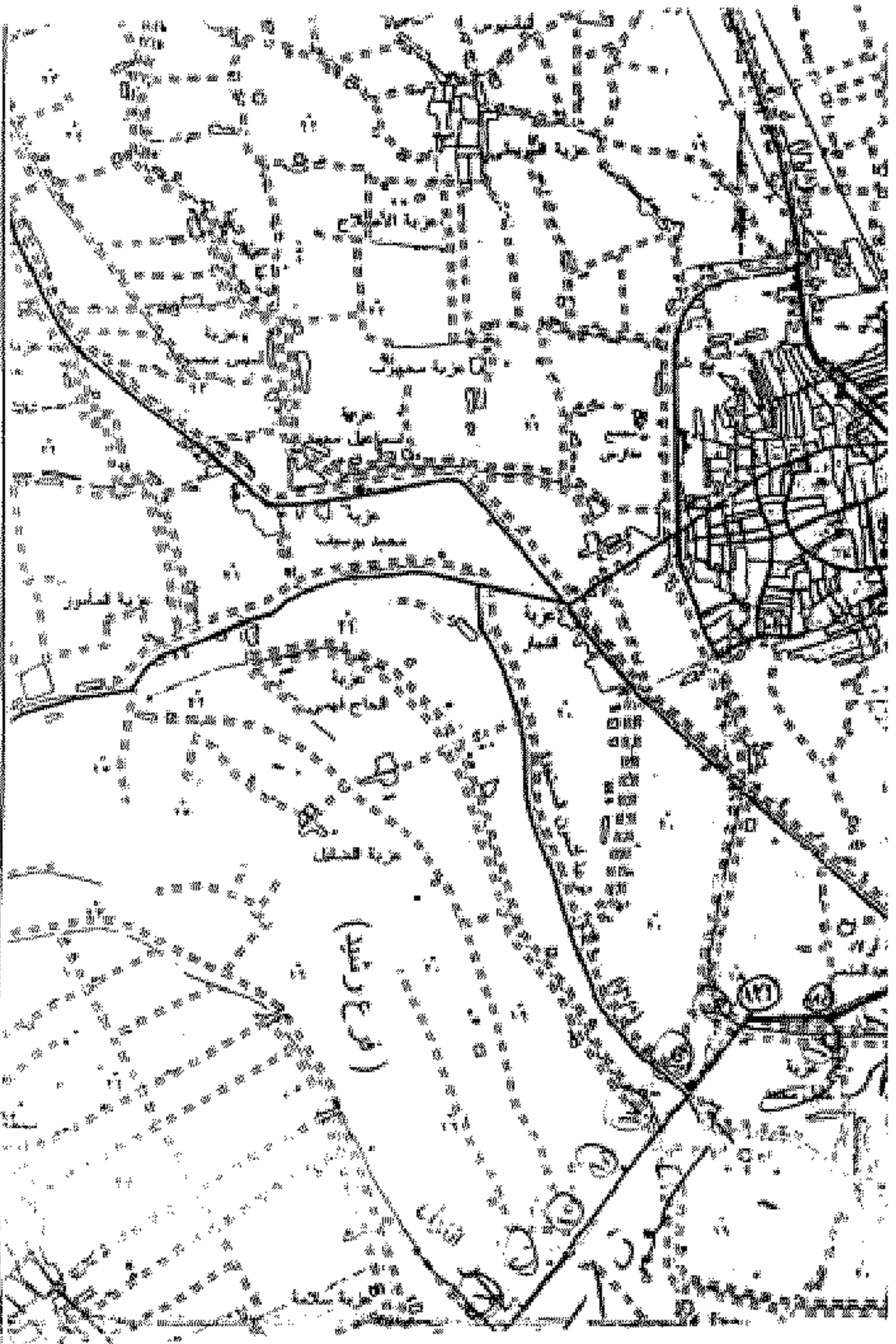
PLAN

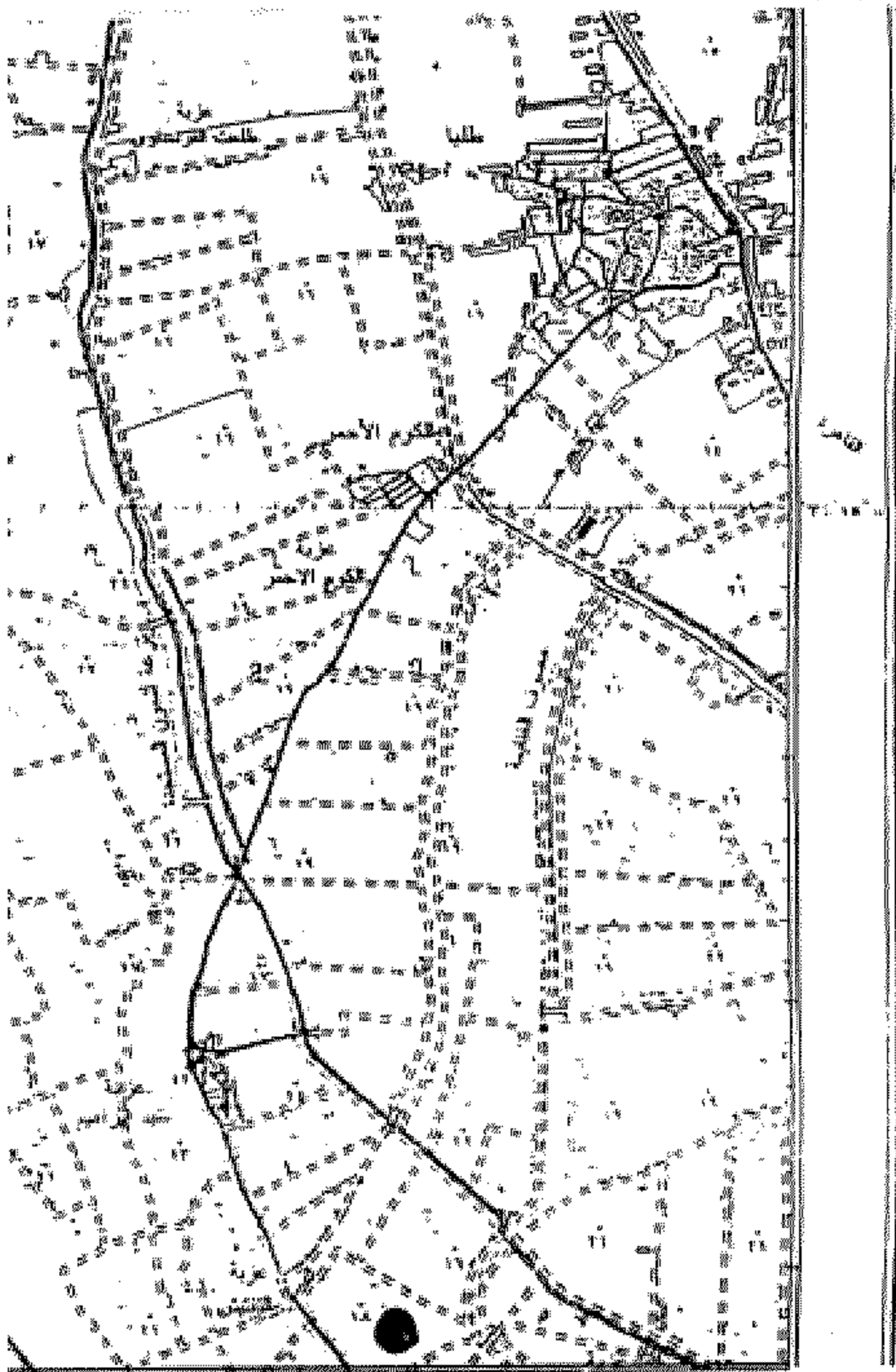




م / مجدى كامل

مدام / عفاف





م/ مجدي كامل  
عناية مدام/ عفاف

