

Planning, design and installation of irrigation schemes —

Part 2: Guide for acquisition of site data

Confirmed
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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Agricultural Machinery and Implements Standards Policy Committee (AGE/-) to Technical Committee AGE/30, upon which the following bodies were represented:

- Agricultural Engineers' Association
- British Agricultural and Garden Machinery Association Ltd.
- Health and Safety Executive
- Ministry of Agriculture, Fisheries and Food
- National Farmers' Union
- Silsoe College
- Silsoe Research Institute
- UK Irrigation Association
- Water Services Association of England and Wales
- Well Drillers' Association

This British Standard, having been prepared under the direction of the Agricultural Machinery and Implements Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 September 1992

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The following BSI references relate to the work on this standard:
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Foreword

This Part of BS 7562 has been prepared under the direction of the Agricultural Machinery and Implements Standards Policy Committee and contains recommendations on good practice in the planning, design and installation of irrigation schemes in the UK, together with information and guidance. It is intended for the use of engineers and farmers having some knowledge of the subject. It embodies the experience of engineers successfully engaged on the design and construction of irrigation schemes so that other reasonably qualified engineers may use it as a basis for the design of similar irrigation schemes.

A guide represents good practice at the time it is written and inevitably, technical developments may render parts of it obsolescent in time. It is the responsibility of engineers concerned with the design and construction of schemes to remain conversant with developments in good practice, which have taken place since publication of the guide.

BS 7562 has been prepared in six parts as follows.

- *Part 1: Glossary of terms;*
- *Part 2: Guide for acquisition of site data;*
- *Part 3: Guide for irrigation water requirements¹⁾;*
- *Part 4: Guide for water resources¹⁾;*
- *Part 5: Guide for distribution systems and irrigation equipment¹⁾;*
- *Part 6: Guide for feasibility and implementation procedures.*

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 12, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

¹⁾ In preparation.

1 Scope

This Part of BS 7562 identifies basic site data which need to be acquired and analysed to enable the designer, consultant, supplier or customer to check and confirm all site parameters and features which need to be observed for the planning, design and installation of irrigation schemes.

2 References

2.1 Normative references

This Part of BS 7562 incorporates, by reference, provisions from a specific edition of another publication. This normative reference is cited at the appropriate point in the text and the publication is listed on the inside back cover. Subsequent amendments to, or revisions of, this publication apply to this Part of BS 7562 only when incorporated in it by updating or revision.

2.2 Informative references

This British Standard refers to other publications that provide information or guidance. Editions of these publications current at the time of issue of this standard are listed on the inside back cover, but reference should be made to the latest editions.

3 Definitions

For the purposes of this Part of BS 7562 the definitions given in BS 7562-1:1992 apply.

4 Developing an irrigation system

4.1 General

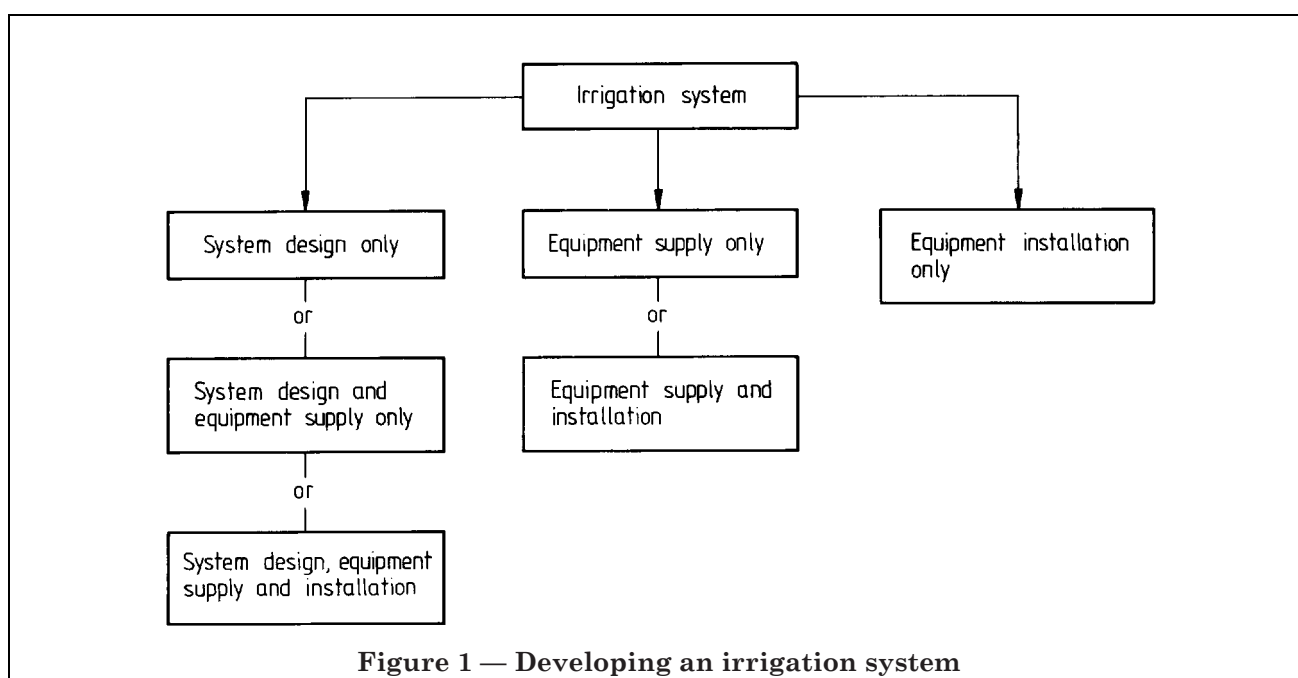
There are several ways of developing an irrigation system. These may involve either design, supply or installation or a combination of these. Figure 1 shows the most common approaches diagrammatically. Figure 2 indicates the scope of procedures covered.

4.2 System design only

In the case of system design only, the sole requirement is to design the irrigation system. This should usually include the calculation of all performance criteria and the specification and costing of the equipment for the system. System design may be carried out by any competent body including a consultant, manufacturer, dealer or specialist contractor.

4.3 Equipment supply only

In the case of equipment supply only, previously specified equipment is supplied to the client. There is no involvement in designing or installing the equipment. Equipment should normally be supplied by competent specialist contractors, dealers and/or manufacturers.



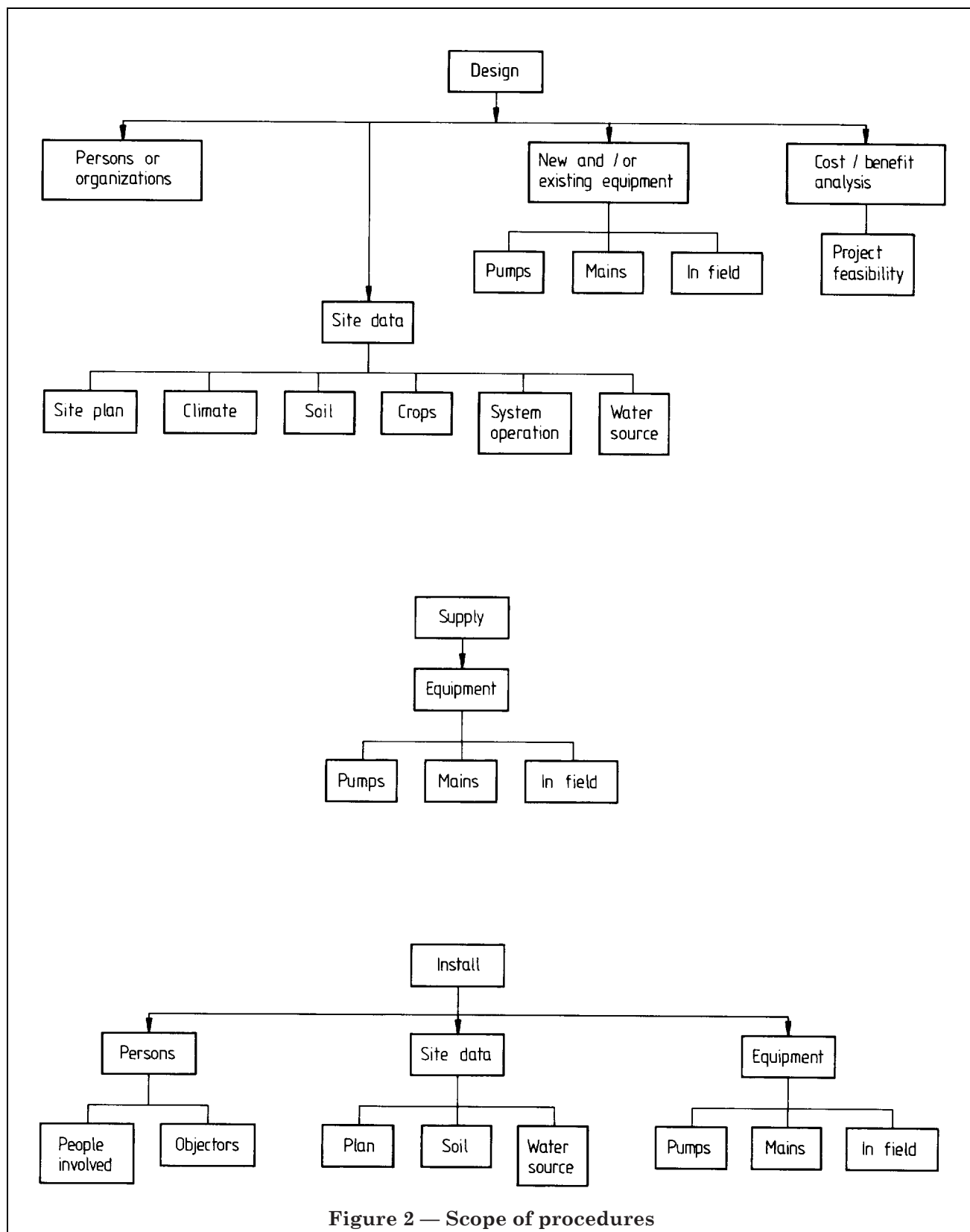


Figure 2 — Scope of procedures