

## AIP Master Database: Relational Database Table Structures

- A.2.1 The master database comprises a series of individual tables centred around a common code system, and all related to a single main table (Main.db). By using different data-entry forms, the Paradox database allows for categories of data common to all the different classes of event type to be consolidated in appropriate tables, whilst also allowing for categories of data specific to individual classes of event type to be collected and stored in a range of separate tables.
- A.2.2 This arrangement allows for a user-friendly mode for inputting data, whilst also allowing for analytical flexibility in the way that statistical operations are performed using queries and through export into Microsoft Excel. Using the report facility of Paradox, enhanced by programming through an object-based, event-driven programming language known as ObjectPAL, this system also offers the benefit of enabling automation of the publication process.
- A.2.3 Diagrams 1 to 4 show the relational database structure for each of the different event types, indicating which tables are used to store data relevant to each event type.
- A.4.1 As mentioned the master database comprises a series of tables related to one central table (MAIN.DB). Each recorded investigation receives a unique identifier that comprises three elements, and these are used as key fields incorporated into, and linking, all tables within the master database:

Field Name	Definition	Codes
CODE	The category of event type into which the investigation falls.	B - Desk based assessments C - Field evaluations D - Environmental statements (see below for separate details of the database for this investigation type.) E - Post-determination and non- planning related events F - Estate Management Plans/Surveys G - Archaeological Recording of Standing Buildings H - Geophysical Investigations
COUNTY	The county (post-1974) within which the investigation study area is located.	Follows IFA scheme of two-figure numerical codes (01 to 46)
REF	A unique AIP number assigned at time of data entry.	Four-figure numerical code

- A.4.2 Diagrams 1 to 5 show the relational database structures identifying which tables are used to store data for each event type. Section A5, below, sets out and details the structures for each of the tables shown in the four relational database structure diagrams, and identify which items of data are recorded for each event type.

A.4.3 Much of the data collection will be based on a process of categorisation whereby one or more choices of answer are selected from pre-defined 'menus', or glossaries. Reference is made in section A5 to the appropriate glossaries for each table, to be used during data-collection, and the glossaries are detailed in full in section A.7. The glossaries conform where possible with the data standards recommended by the RCHME.

## A.5 Main.db

A.5.1 This table contains data relevant to all the categories of investigation type included within the scope of AIP, and forms the key table upon which all the other tables are dependent. The database contains the fields CODE, COUNTY and REF as outlined above, and the following fields:

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Site name	A/100	Name of site to which record relates	B,C,D,E,F,G,H
Ngs 1	A/2	National grid letters	B,C,E,F,G,H
Easting 1	A/4	Two to four figure NGR easting as appropriate	B,C,E,F,G,H
Northing 1	A/4	Two to four figure NGR northing as appropriate.	B,C,E,F,G,H
Ngs 2	A/2	National grid letters (used for linear events where from/too grid references are required)	B,C,E,F,G,H
Easting 2	A/4	Two to four figure NGR easting as appropriate (used for linear events where from/too grid references are required)	B,C,E,F,G,H
Northing 2	A/4	Two to four figure NGR northing as appropriate (used for linear events where from/too grid references are required)	B,C,E,F,G,H
Year Started	A/4	Year in which project was started	B,C,E,F,G,H
Year Completed	A/4	Year in which project was completed	B,C,E,F,G,H
Site Code	A/6	Investigation Site Code (i.e. contractor's reference code)	B,C,E,F,G,H
Study area	A/8	Approximate size of the study area (in hectares).	B,C,E,H
Cost	A/20	Approximate cost of project.	B,C,E,F,G
Comments	M/200	Space for additional comments	B,C,E,F,G,H

Status	A/20	Status of record (for internal tracking purposes)	B,C,E,F,G,H
--------	------	---	-------------

---

### A.5.2 Appres.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Appeal determination	A/70	Outcome of appeal (eg, refuse, approve etc.)	B,C

---

### A.5.3 Archrec.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Arch Recommendation	A/70	Archaeologists recommendation (eg, refuse, approve etc.)	B,C

---

### A.5.4 Assess.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
LPA no.	A/25	Local Planning Authority application number (where known)	B,C,E,H
PD ass	A/3	Place of an desk-based assessment in the planning process.	C,E,H
PD eval	A/3	Place of a field evaluation in the planning process.	E,H
PD ea	A/3	Pre-determination Environmental Assessment carried out? YES/NO	E,H
Appeal	A/3	Appeal lodged? YES/NO	B,C,H
Quality	A/3	Did the resource curator feel the project fulfilled the objectives of the brief? YES/NO	B,C,E,F,G,H

---

Diagram 1: Desk-Based Assessments (Event Type B)

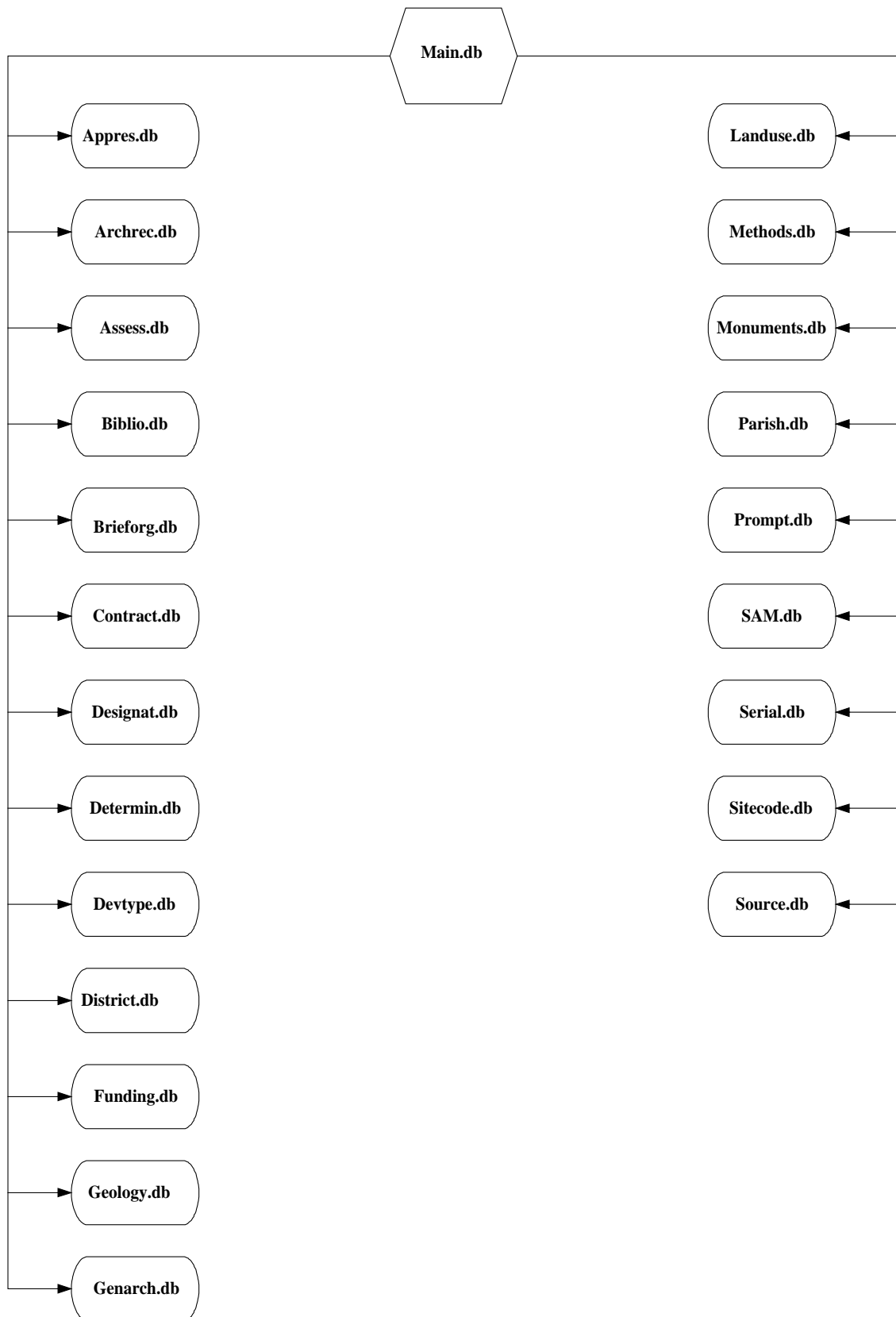


Diagram 2: Field Evaluations (Event Type C)

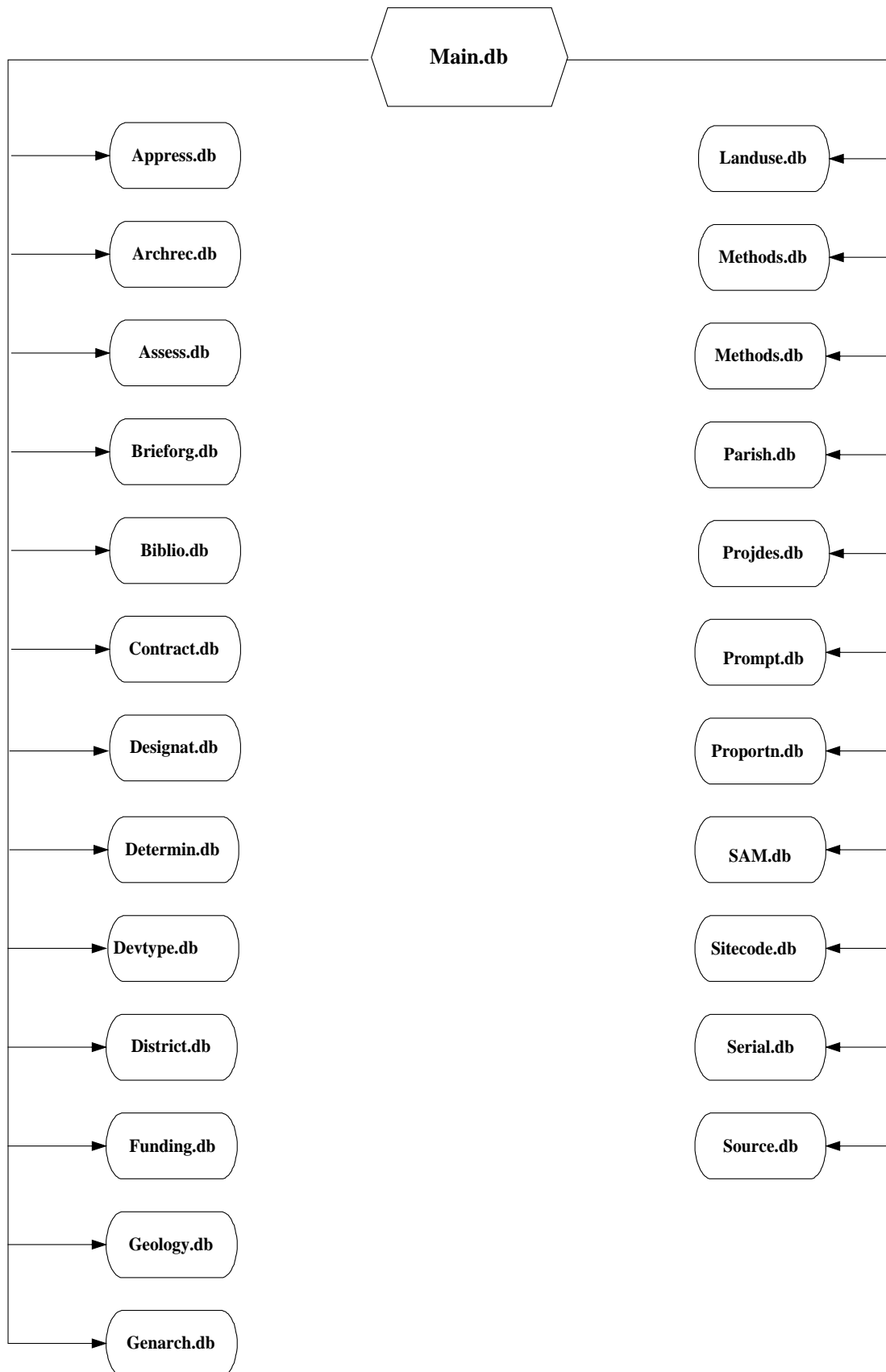


Diagram 3: Post-Determination and Non-Planning Related Events (Event Type E)

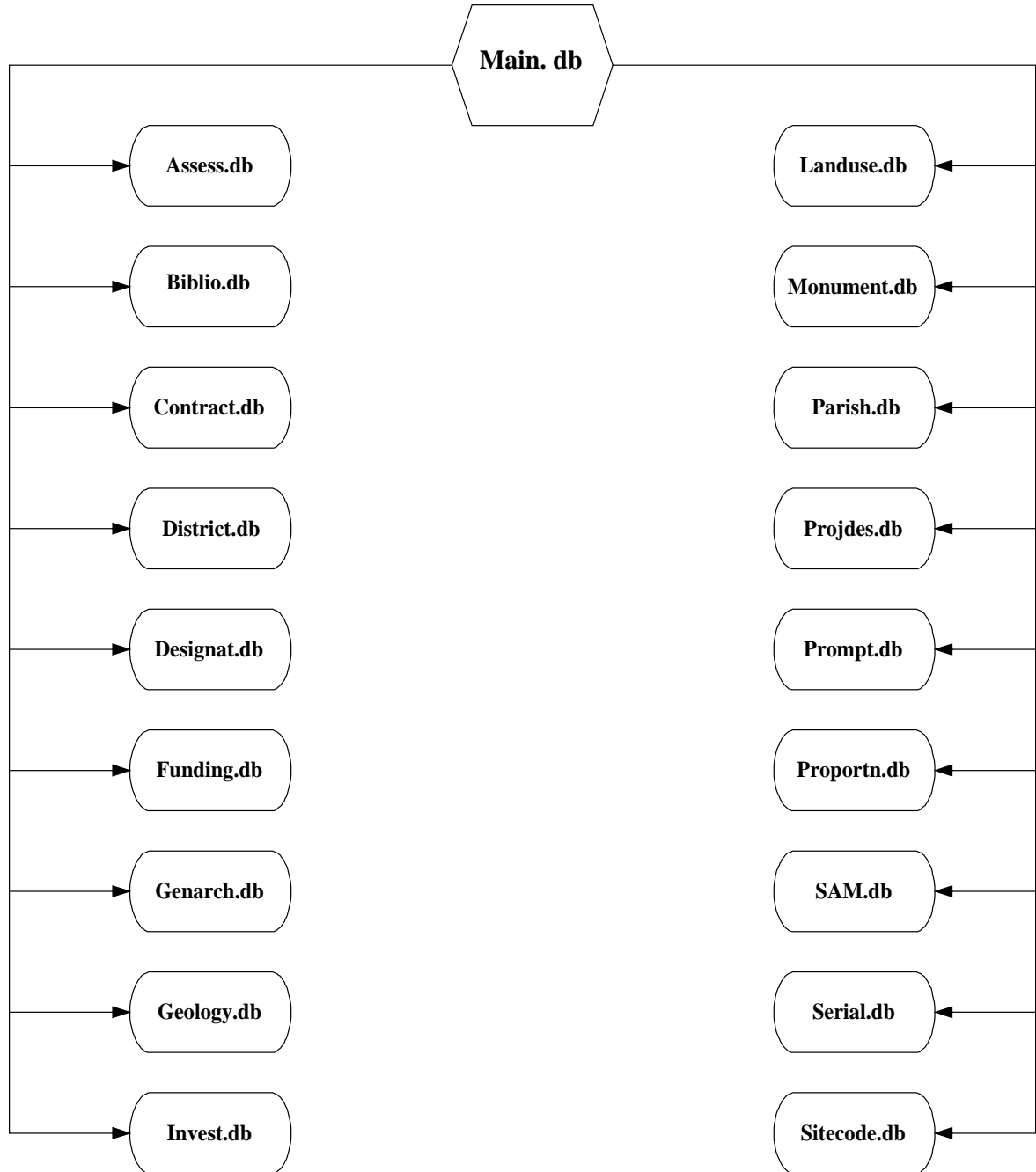


Diagram 4: Estate Management Plans/Surveys (Event Type F)

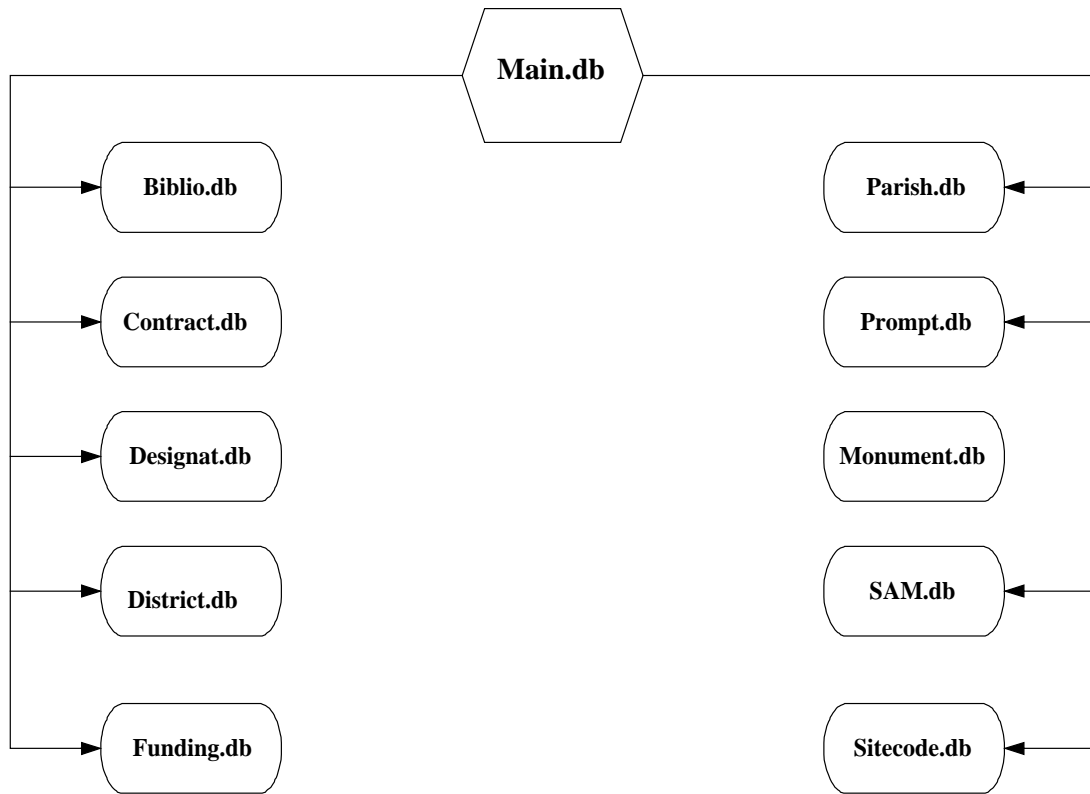
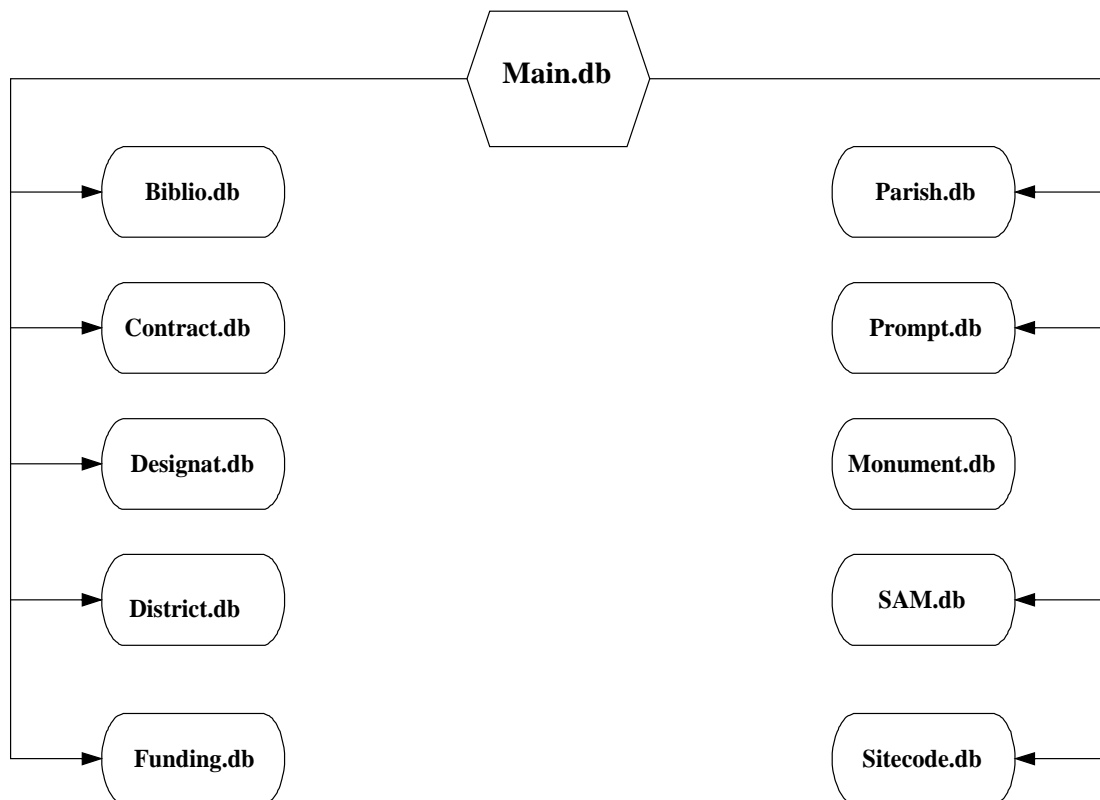


Diagram 5: Building Surveys (Event Type G)



### A.5.5 Biblio.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Doc type	A/31	Document type (eg, unpublished document/manuscript, article in published serial).	B,C,E,F,G,H
Doc title	A/175	Title of document	B,C,E,F,G,H
Doc orig	A/100	Name/s of the originator/s of the document	B,C,E,F,G,H
Doc orig r	A/16	Document originator's role (author, editor or corporate author)	B,C,E,F,G,H
Doc iss da	N	Document's date of issue (year).	B,C,E,F,G,H
Doc pub	A/25	Issuer/publisher of document.	B,C,E,F,G,H
Doc pl pub	A/25	Place of issue of document	B,C,E,F,G,H
Doc edit	A/8	Edition/version of document	B,C,E,F,G,H
Doc Description	A/40	Description of document format. *Glossary IV	B,C,E,F,G,H

### A.5.6 Brieforig.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Brief originator	A/46	Who set the project brief (e.g., contractor, county archaeologist, etc.)?	B,C,G,H

### A.5.7 Contractor.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Consultant/ contractor	A/100	Name of the contractor/organisation carrying out the project.	B,C,E,F,G,H

### A.5.8 Determin.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Determin	A/70	Outcome of determination (eg, refuse, approve, etc.)	B,C

### A.5.9 Designat.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Designation	A/70	Type/s of environmental site/area designations (if any) relating to study area.	B,C,E,F,G,H

### A.5.10 Devtype.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Devtype	A/44	Type of development (eg urban commercial, road scheme, mineral extraction etc).	B,C,G,H

### A.5.11 District

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
District	A/50	Name/s of the District/s Borough/s Unitary Authority in which the investigation was located.	B,C,E,F,G,H

### A.5.12 Funding.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Funding	A/41	Who funded the project (eg, developer, English Heritage, County Council etc).	B,C,E,F,G,H

### A.5.13 Genarch.db/mb

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Known arch	A/3	Were previous archaeological remains recorded within, or considered to be extending into, the study area? YES/NO	B,C,E,H

Quantity	A/5	If previous archaeological remains recorded, give quantity of SMR entries; if unspecified in report, note if adjacent.	B,C,E,H
Summary	M/200	Brief digest/abstract of principle data describing investigation.	B,C,E,H

#### A.5.14 Geology.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Geology	A/18	Geological description (solid) of the study-area (eg., gravel, calcareous bedrock, clay, etc).	B,C,E

#### A.5.15 Invest.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Inv type	A/47	Type of investigation or event (eg., watching brief, open-area excavation etc). <b>*Glossary XI</b>	E
Context	A/30	Was the investigation event undertaken within the context of the planning process, or outside the planning process?	E

#### A.5.16 Landuse.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Landuse	A/39	Current land-use of study area (e.g., cultivated land, woodland, industrial, etc.).	B,C,D,E,H

#### A.5.17 Methods.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Methods	A/37	Methodology/ies employed (e.g., geophysical, sample trenching, documentary search, etc.)	B,C

### A.5.18 Monument.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Monument	A/100	Archaeology revealed: monuments. (Entered in full using the RCHME/EH 'Thesaurus of Archaeological Site Types' word list)	B,C,E,F,G,H
Date of Monument	A/3	Archaeology revealed: periods represented.	B,C,E,F,G,H

### A.5.19 Parish.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Parish	A/100	The name of the parish/parishes in which the area under investigation is located	B,C,E,F,G,H

### A.5.20 Projdes.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Project design	A/46	Who set the project design (e.g., contractor, county archaeologist, etc.)?	E,F,H

### A.5.21 Prompt.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Prompt	A/53	What circumstances prompted the project (e.g., voluntary, research, LPA directive, etc.)?	B,C,E,F,G,H

### A.5.22 Proportion.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Proportion	A/22	Proportion of the overall site was studied (e.g., whole site, selected areas, etc.).	C,D,E

### A.5.23 Samno.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
SAM Number	A/10	The number/s of any relevant Scheduled Ancient Monuments	B,C,E,F,G,H

### A.5.24 Serial.DB

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Ser title	A/150	Title of serial/monograph in which report appears (where relevant).	B,C,E,F,G
Ser orig	A/100	Name/s of the originator/s of the serial/monograph.	B,C,E,F,G
Ser orig r	A/16	Series/monograph originator's role (author, editor or corporate author)	B,C,E,F,G
Ser issn	A/9	ISSN number of published serial.	B,C,E,F,G
Ser descrp	A/40	Details of serial/monograph (eg, volume/issue number)	B,C,E,F,G
Doc isbn	A/13	ISBN number of published documents/monographs.	B,C,E,F,G

### A.5.25 Sources.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
Source	A/46	Data sources used in report (e.g., aerial photographs, maps, documentary search etc.)	B,C

### A.5.26 Sitecode.db

FIELD NAME	TYPE/ SIZE	DEFINITION	EVENT TYPE
SMR Number	A/25	The Sites and Monuments Primary Record Number/s relevant to the area under investigation	B,C,E,F,G,H

## A.6 Database of Environmental Statements

**A.6.1** Based on the experience of the predecessor projects to AIP 97-98 it has become apparent that a separate database is necessary due to the poor quantity and quality of information available about this class of investigation. A small relational database (containing some common elements of the main relational database) has thus been designed. The table below details its key components:

FIELD NAME	TYPE/ SIZE	DEFINITION
CODE	A/1	The category of event type into which the investigation falls – in this case code 'D' category.
COUNTY	A/2	The county (post-1974) within which the investigation study area is located. Follows IFA scheme of two-figure numerical codes (01 to 46)
REF	A/5	Five-figure numerical code assigned at time of data entry
Ngs 1	A/2	National grid letters
Easting 1	A/4	Two to four figure NGR easting as appropriate
Northing 1	A/4	Two to four figure NGR northing as appropriate
Ngs 2	A/2	National grid letters
Easting 2	A/4	Two to four figure NGR easting as appropriate
Northing 2	A/4	Two to four figure NGR northing as appropriate
Submission Date	A/4	Year and month in which environmental statement was submitted.
Publication Date	A/4	Year and month in which environmental statement was published.
Leading Author	A/100	Name of leading author of Environmental Statement
Archaeological Contractor/s	A/100	Name/s of archaeological contractor/s associated with the project.
Surveys	A/100	Subject areas covered within Statement
Number of contributors	N	Total number of organisations contributing to statement.
Designations	A/70	Type/s of environmental site/area designations (if any) relating to study area.
Comments	M/200	Space for additional comments
Status	A/20	Status of record (for internal tracking purposes)