Site Characteristics and Constraints

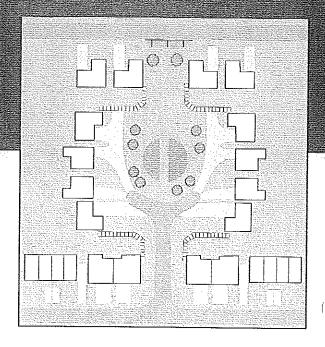
2.1 Site Characteristics and Constraints

The essential uniqueness of any new housing development will emerge in the first place from its relationship to and retention of its immediate context, both the physical and the visual elements. This immediate quality may also be critical to the marketing of the development where real heritage and amenity are considered more desirable than imported versions.

Physical: elements will include existing landform and landscape, especially tree groupings. Water courses, streams, ponds or canals have in the past been considered a source of danger or problem, covered over or fenced off. Today they are accepted as a potential amenity to any development and should be acknowledged as such from the start. These water elements will set the framework for the addition of sustainable drainage (SUDS) ponds at the site planning stage and be the key to the location of public open space and biodiversity provision. Man-made structures on the site should also be appraised for retention and restoration as they can assist in giving a new development a unique identity, e.g. stone walls, industrial archaeology, vernacular farm buildings.

Visual: Whilst clearly, by its very nature, building development will reduce the extent of openness and views into and out of the site, especially attractive spaces and vistas should be identified at the outset for protection and enhancement. The visual character of structures and buildings within and adjacent to the site should be noted for the new architectural character to relate to. Adjacent street forms should be continued into the new site to create natural visual linkages.

Utilities and ground conditions: A utility wayleave across the site which cannot be moved should be identified to ensure that it will lie within new public areas, avoiding private gardens and backland ares. Similarly poor ground conditions, whether for reasons of mineral subsidence or water logging, should create open space features e.g. village greens and community wetlands in any new development.



Bogia≥/ STREET

STREET AND COURTYARD SPACE

Contained and symmetrical space, unified frontage design, surveillance, integrated and discreet road geometry

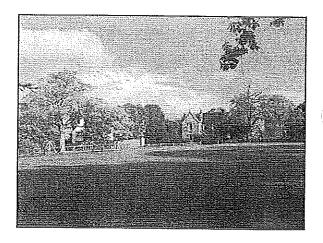
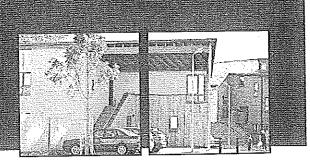


Figure 3 HOUSING AROUND PICTURESQUE
OPEN SPACE



Public Space Framework



2.2 Public Space Framework

It is important that the design of a housing layout should be based around a unified framework of public open spaces linked by streets or footpaths with main entrances on the outside. This structure should result from a linkage of the entrance points across the site following existing routes where possible. The most important open spaces are best located at junctions of such routes. This public space framework will also include the retained elements identified in the previous section i.e. landform and landscape, water courses, wayleaves etc. It is important that the principles of good public space should apply equally to street spaces as to designated "greens" or landscaped areas of civic or special community status.

New Entrances: Whilst access points into any site should be located to continue existing public routes from shops, bus stops and other local facilities, some new entrance locations may be required. The actual location of an entry along a frontage is very important. Where junction standards allow, an entrance should avoid being located at either end of a street frontage i.e. immediately adjacent to the adjoining site, because of the following disadvantages:

- (i) a proper gateway design is not achieved, denying the benefits of natural surveillance and legibility.
- (ii) the exposed side boundary to the site is more difficult to soften visually, or maintain in the future and will create an unattractive outlook for the housing.

In the case of a site with a countryside edge access points should be provided at appropriate points (see para 2.3 Countryside Edges).

Routes: The Council's road guidelines identify a road hierarchy consisting of main distributor roads, general and minor access loops and cul-de-sacs which this Guidance Note requires to be limited in length i.e. "short".

Internal linkages should be as direct as possible, not tortuous or circuitous. There should be no barriers between adjacent public spaces.

However a gentle curving of the roadway may be allowed to give a continuous closure of space and create visual interest.

As a general rule a new footpath or cycleway must not be located to the rear of the houses and should instead form a component part of the roadway hierarchy referred to. This should ensure best natural surveillance and use of public space, discourage nuisance activities and avoid the poor appearance and maintenance problems associated with exposed rear screen fencing.

Clearly there will be instances where such "remote" footpaths or cycleways already exist along the perimeter of a site. Advice on the treatment of such in terms of access and frontage is provided under para 2.3 Built Edges.

Public Open Space: All new housing proposals over 10 units should consider the provision of amenity public open space within the development, located to take account of existing site characteristics e.g. vista opportunities, existing landscaped areas of quality, water courses and utility wayleaves and proposed junctions of throughroutes.

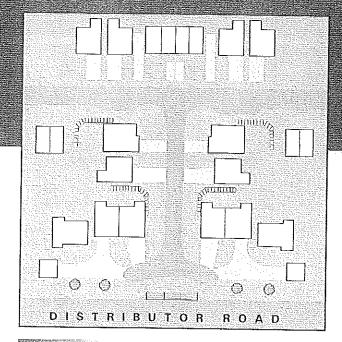
The well appointed open space area, taking the form of a "village green", accessible from an enclosing housing frontage, is generally preferred to the "gap site" set between buildings on a street frontage. This is to ensure that pressure to develop the site for building development in the future is minimised. Such a principle should apply even where purpose designed open space activity areas or facilities are planned, the area being sufficiently large to absorb high fences etc. within a landscape framework.

Where possible, roadways should not be continuous around public open spaces to allow at least one point of car free access from the housing opposite. The design of any planting should avoid creating screened areas which might conceal criminal or anti-social behaviour.

Dimensional standards for passive and active open space are set out in para. 2.7. Other Planning Considerations.

Esmie Layout

Bolk Edges



DISTRIBUTOR ROAD FRONTAGE OPTION

6 house "terrace" served from rear access cul-de-sac and regulation 2 house driveways



神原原の名 UNSATISFACTORY MAIN ROAD FRONTAGE

Screen fencing and bland rear elevations

2.3 Built Edges

General Edges: The edges of all public streets and landscaped amenity areas should preferably be defined by continuous building frontages with main door entrances. This will improve the appearance, surveillance and use of public space as well as avoiding the problem relating to exposed fencing, referred to above.

Narrowing the gap between the street edges will provide an interesting visual contrast with the more open greens or squares.

Corners: these should preferably be closed off by building to create visual focal points and enhanced surveillance at the junction. Special corner house units will be encouraged with formal front elevations onto both streets, thus ensuring a minimum of exposed high garden enclosure.

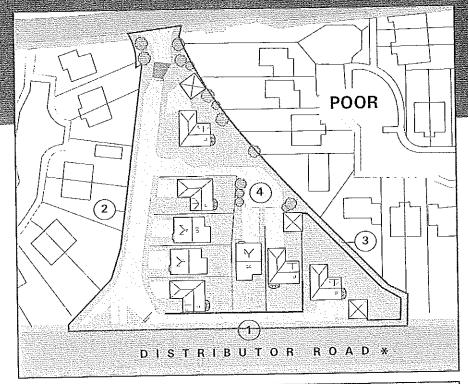
Distributor Road Edges: A formal frontage of typical house and garage units is more difficult to achieve alongside a distributor road because road standards do not permit individual direct vehicular access from it. This means that a standard housing development will tend to turn its back to the road behind a stockade fence. The following are options for achieving an acceptable frontage configuration on a distributor road:

- a parallel secondary road giving direct vehicle access to the housing frontage.
- parallel driveways served off both sides of a cul-de-sac turning head connecting back to the internal loop road, in the normal way capable of providing a 6-house frontage, but less visually intrusive and wasteful of space than a full width secondary road.
- flatted development with front doors onto the roadway and parking concealed to the rear.

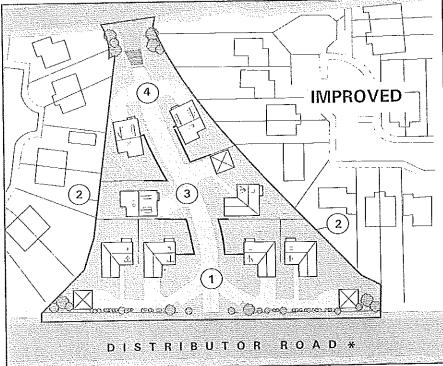
Where front gardens line a distributor road, the heel of the pavement should be defined by a low robust enclosure (e.g. a plinth and/or a railing), preferably reinforced by avenue planting.

This convention should be applied to a flatted frontage in any location except where the urban design context requires the building itself to be on the heel of the pavement.

Built Edges



- Unstructured fenced road frontage/ wasteful, convoluted driveway link
- 2 Exposed fenced boundary: poor outlook from houses / ambiguous maintenance responsibilities
- (3) Hidden, unsafe footpath link
- 4 Backland development: poor outlook/ security



- 1 Formal structured building frontage to distributor road
- 2 Edges closed off from public view/ private maintenance responsibility
- 3 Centralized shared vehicle/ footpath route (right of way): better surveillance
- Defined gateway into development

Figure 6 IMPROVING SITE LAYOUT

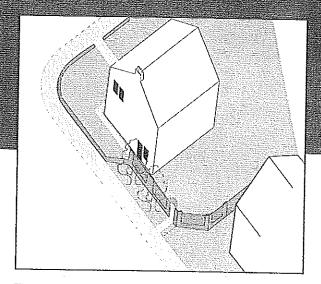
Building Frontage, entrances, linked/permeable routes, surveillance, outlook, aesthetic quality, boundary edge and maintenance

* direct vehicle access to individual properties prohibited

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Estate Layout

Brillt Edges



CORNER GABLE TREATMENT

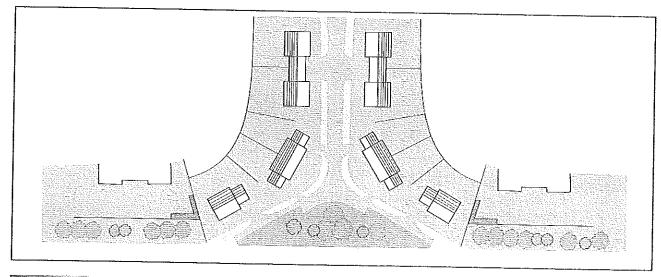
Image, window openings, garden enclosure, surveillance, access, security.

Exposed Fenced Edges: Where it becomes absolutely essential that a private rear garden enclosure is exposed to a roadway or open space, consideration should be given to the following combination of measures to improve the appearance of such an edge:

- formal window arrangements on both street elevations of corner houses or end gable with windows onto lesser road
- a high profile architectural treatment to the garden enclosure (e.g. walls or fenced panels framed by low plinths and piers) with additional landscaped softening, if necessary
- the same quality of treatment to the rear house elevations as for the main frontages
- formal private entrances to the rear gardens from the public street.

Countryside Edges: New housing developments adjoining the countryside generally have high fencing defining the boundary. These have a stark external appearance and the countryside edge, hidden and inaccessible from the housing, can be vulnerable to fly-tipping and other nuisance activities. The following options are offered to address the situation:

- Housing fronting the countryside and accessing a perimeter road or driveway arrangement (as per a Distributor Road frontage). This would improve access, surveillance and outlook from the houses and provide a more attractive town edge.
- Where the costs of a single fronted roadway are prohibitive, a fenced edge may be conceded where it is broken at regular intervals by well designed building and landscape "gateways" accessed from a perimeter footpath. An additional edge of planting between fence and footway would help to soften any appearance of starkness.



and the state of

COUNTRYSIDE EDGE/ENTRANCE

Access/linkage, surveillance, buffer, visual appearance, vitality and use.

Models for House Grouping



2.4 Models for House Grouping

The Issue

A well integrated framework of spaces and associated built edges to those spaces has the potential to give to a housing estate the desirable sense of place and connection. However this can be compromised by an unsatisfactory spacing or scale configuration to the housing units which form the edges to the public spaces.

This is unfortunately the case with many volume builder housing estates today where the layout is determined by 2 related aspirations for an idealised private home i.e.

- detachment from its neighbour
- e distinctive from it in appearance

In the main, contemporary housing estates seek to implement this ideal while at the same time maximising the number of houses on the site. The result is that a minimum separation of standard detached houses dictates the density i.e. 1.0m. from the side boundary between houses and 18m. front and rear (determined by the minimum distance required between the windows to habitable rooms). Similarly visual distinction is sought by placing different house types next to each other on the street, sometimes only differentiated by nominal changes in features and finishes.

The problem with this grouping pattern is that houses appear too close together and can have a claustrophobic effect on the street. The elevational differences tend to create visual conflict rather than the attractive variety intended. The true character of the house, as illustrated on the marketing brochure is significantly diminished. Conversely the houses remain too far apart and poorly related to achieve an appropriate "town" streetscape or to mark a focal point.

Tried and tested grouping models:

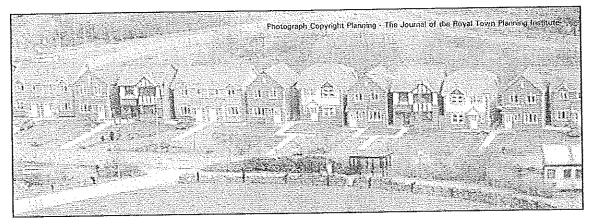
To address the above concerns developers are encouraged to adopt one or both of the following models for house grouping i.e.

"URBAN" MODEL - Terrace/ Joined Form - enclosing space:

The elevation generally follows a continuous building line and the elevation is made up of repeating house designs or a differentiated but harmonious overall design.

"RURAL" MODEL - Arcadian/Detached Form - enclosed by space:

Houses are sufficiently well spaced to be potentially dominated by landscaping, allowing significant differences in the character and appearance of each plot.



[சிரும்(அ.9) UNSATISFACTORY SUBURBAN HOUSE LAYOUT

Detachment and distinctiveness from one another but no "place"

Models for House Grouping

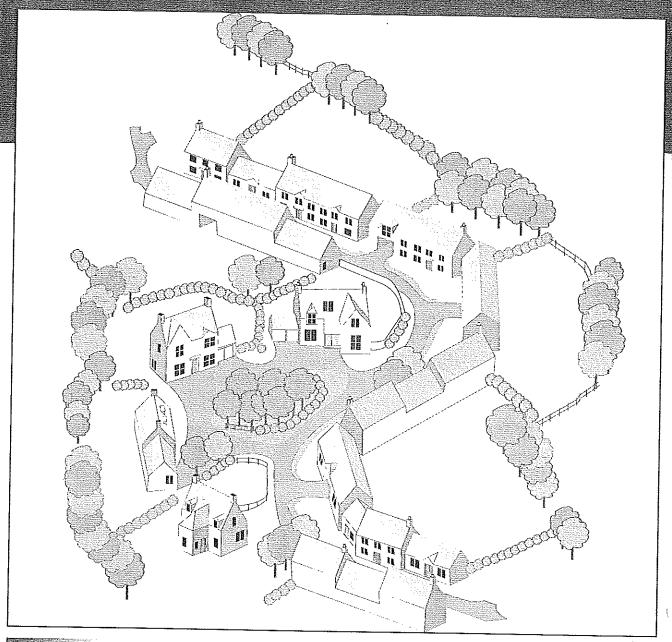


Figure 10 "URBAN" & "RURAL" HOUSE MODELS

Shown in appropriate relationship to each other and to location of open space.

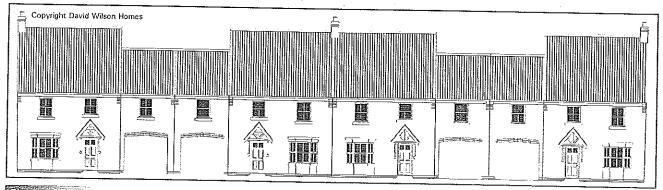


Figure 16 "URBAN" MODEL : TERRACE HOUSING

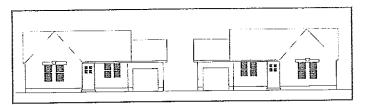
Pend access - potential for street narrowing concealing private cars and assisting individual identity.



Models for House Grouping

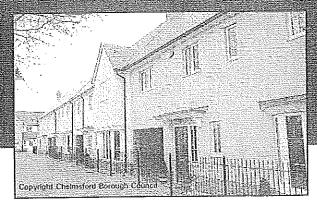
The urban model would ideally be in a joined or terraced form, other benefits of which being higher density and energy efficiency. Pend accesses within a terrace will conceal car parking as well as providing a greater sense of detachment and allowing the development to be closer to the street.

However, the standard layout of minimally detached houses may also be made more acceptable where a more formal configuration is proposed to ensure the visual continuity of the street frontage. Grouping matching house types together in a symmetrical arrangement will assist this, especially where a single finished floor level is used throughout.



செரும் "URBAN" MODEL : DETACHED HOUSING

Twinning and visual linkage can give appearance of terrace.



Consideration should be given to limiting the number of main gables on a street frontage to avoid a cluttered appearance.

Straight gabled buildings will always be necessary to achieve visual continuity and should not be mixed with hipped roofs on a street frontage except where houses are sufficiently widely spaced, following the rural model. Similarly the composition of roof and wall finishes should reinforce rather than disintegrate the formal street configuration.

For the widely spaced rural model plot sizes should be no less than 1/6th acre and the ratio of ground floor (minus garage) to overall plot should be between 1:5 and 1:6. Critically the dimension between the house and the side boundary should be no less than 3.5 m. which will allow a vehicle to pass alongside. A random scattering of detached houses would be appropriate at this density.



"URBAN" MODEL: MODIFYING SUBURBAN MODEL

Affigure Jak

reduce house types from 4 to 3, hand twin and group, structure material palette; variety remains but focus and visual continuity is enhanced.

