

aberdeen local development plan

Appendix 1

Supplementary Guidance

Topic: Infrastructure and Developer
Contributions Manual

May 2012

Introduction

New development can have a very positive effect on an area, providing new homes, jobs and economic prosperity. However, development can also place additional pressures on resources and infrastructure such as schools, community and leisure facilities, transport infrastructure, health services and the local environment. The delivery of infrastructure alongside new development can help to create balanced, accessible and sustainable communities.

Scottish Government emphasises the need to plan more effectively for the infrastructure required to support new development and published new planning policy guidance (Circular 1/2010 Planning Agreements) to provide the framework for securing the delivery of infrastructure and financial contributions to support development.

Our approach to Infrastructure Delivery

Through the Local Development Plan, Aberdeen City Council's approach to the planning and delivery of infrastructure is open, transparent, and is supported by a robust evidence base. Our aim is to provide clear guidance to all stakeholders, in particular the development industry, on the infrastructure required to support development from an early stage in the preparation of the LDP.

Policy I1 of the Local Development Plan states that all development should be supported by the infrastructure and developer contributions necessary to support the proposed development.

The purpose of this Infrastructure and Developer Contributions Manual is to provide clear guidance on the methodology used to identify infrastructure requirements and the criteria that should be used to calculate developer contributions to support new development. This document is published as Supplementary Guidance to the Aberdeen Local Development Plan.

The Action Programme which accompanies the Local Development Plan outlines further details on the delivery of supporting infrastructure. The Action Programme is a 'live' document that will be updated regularly to take account of changes in circumstances as sites come forward through the planning process.

From an early stage in the preparation of the Local Development Plan, the City Council has worked in close partnership with a wide range of agencies – through the Future Infrastructure Requirements for Services Group (or FIRS) – to establish the infrastructure requirements to support development. The FIRS Group comprises representatives from the following organisations:

- Aberdeen City Council, including colleagues representing Roads, Public Transport, Transport Policy, Housing Strategy, Education, Culture & Sport, Development Management and the Planning Gain Team;
- Transport Scotland;
- Scottish Water;
- Nestrans; and
- NHS Grampian.

The FIRS Group has helped to identify the infrastructure required to support new development and the results of this work are set out in Appendix 4 of the Local Development Plan and the LDP Action Programme. The LDP Transport Group, which comprises public and private sector partners involved in transport issues, also helped to determine transport infrastructure requirements and contributed to the findings of the FIRS Group.

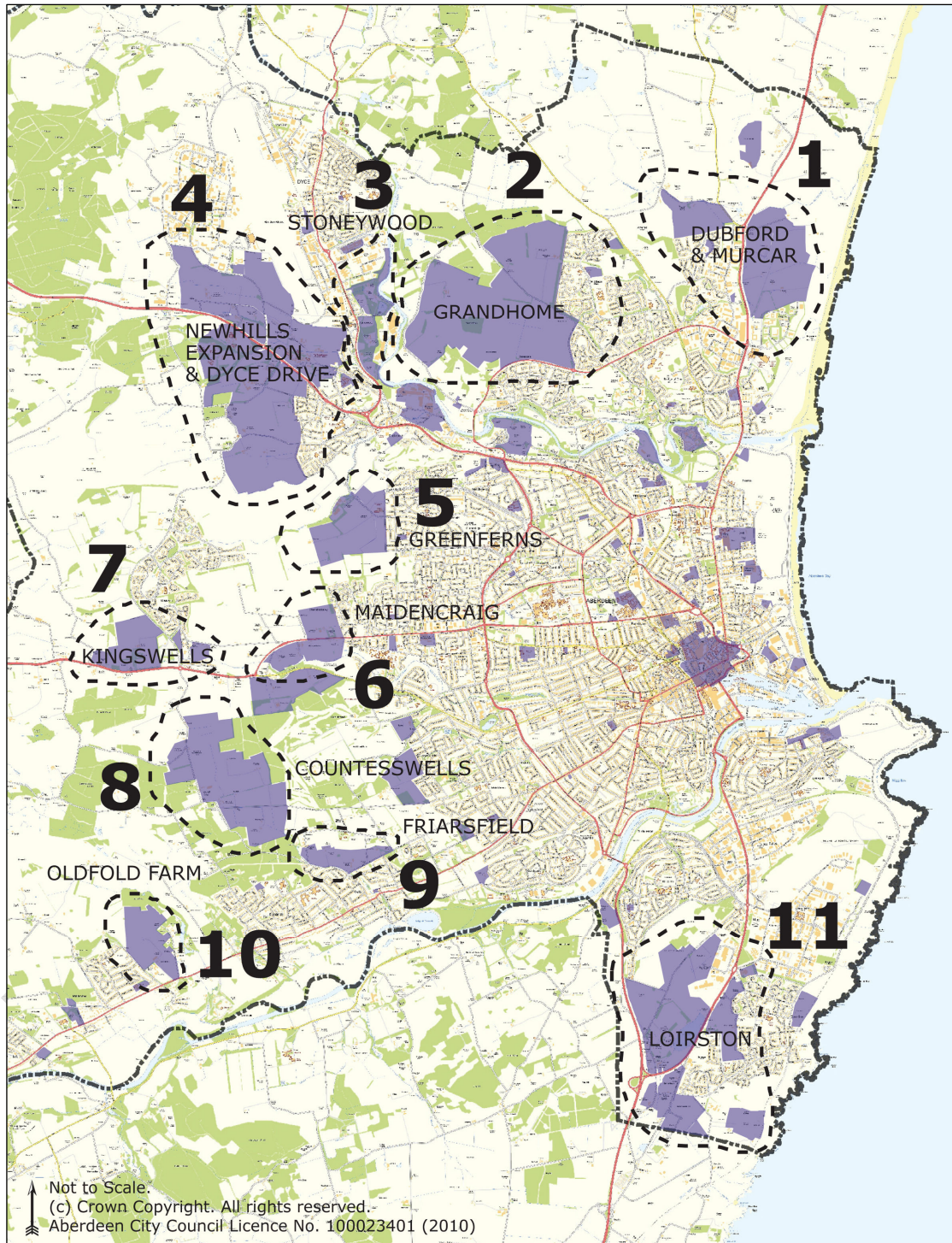
Masterplan Zones

The Council has identified eleven Masterplan Zones, shown in the Table and Map below, as well as Figure 1 in the Local Development Plan, within which developers will be expected to work together to prepare Masterplans for each zone reflecting the planning and delivery of associated infrastructure requirements set out in this document. A map showing the extent of the Masterplan Zones is displayed on page 4. Further details on the timing and delivery of infrastructure identified below are set out in the Action Programme which accompanies this Plan.

The requirements listed are based on the most up-to-date information currently available.

Masterplan Zone	Sites included
1 – Dubford & Murcar	OP25 Dubford OP2 Murcar
2 – Grandhome	OP12 Grandhome OP10 East Woodcroft
3 – Stoneywood	OP24 Stoneywood
4 – Newhills Expansion & Dyce Drive	OP26 Walton Farm & Craibstone North OP29 Craibstone South OP27 Land near Bucksburn School OP30 Rowett South OP28 Rowett North OP31 Greenferns Landward
5 – Greenferns	OP45 Greenferns
6 – Maidencraig	OP43 Maidencraig South East OP44 Maidencraig North East
7 – Kingswells	OP40 West Hatton, Home Farm, Home Farm Kingswells OP41 Kingswells C OP42 Kingswells D and West Huxterstone
8 – Countesswells	OP58 Countesswells
9 – Friarsfield	OP51 Friarsfield
10 – Oldfold Farm	OP62 Oldfold
11 – Loirston	OP78 Charlestown OP76 Souter Head Road OP77 Loirston

Map showing the Masterplan Zones



All development sites, whether listed or not within the Masterplan Zones table in this document, LDP or Action Programme, will have to provide the necessary infrastructure and developer contributions necessary to mitigate the impact of development. The means to how this will be calculated will be based on the criteria set out in the following sections.

Masterplans will need to reflect the infrastructure requirements identified and should include a Delivery Statement setting out details of how the proposed development, and the accompanying infrastructure, will be delivered. Subsequently, actions

relating to the delivery of infrastructure will need to be defined once the Masterplan and Delivery Statement have been agreed with the Council and any key agencies.

Methodology for Infrastructure Requirements and Developer Contributions

This section explains the process undertaken by the FIRS Group to calculate the infrastructure requirements for the Masterplan Zones. It also sets out details on the criteria that will be used to assess the precise level of infrastructure requirements and developer contributions for all development proposals.

These criteria will need to be used when considering the infrastructure and developer contributions required in connection with any development proposal. The precise level of infrastructure provision and developer contributions required from any development will need to be agreed with the Council, in consultation with other statutory agencies. Any costs for infrastructure will be reviewed annually and adjusted according to an agreed indexation.

The methodology seeks to ensure that appropriate contributions are secured from developers to support new communities and to make a fair and proportionate contribution to the cumulative impact of development across the City and, where appropriate, the region as a whole. The Council has been careful to avoid deterring development by making unreasonable demands, and emphasise that any infrastructure or developer contributions sought are proportionate to the development proposed.

Transport

The Transport Framework process, which supported the preparation of the Local Development Plan, helped to identify the transport infrastructure likely to be required to support new development. A number of transport related projects are already being developed by the Council in partnership with key agencies and our neighbouring authority Aberdeenshire Council, to improve the regional transport network. These include the Aberdeen Western Peripheral Route, Haudagain roundabout improvements and The Third Don Crossing, and are likely to bring about significant benefits to people living and working in the North East. Schemes listed in Policy T1 are not expected to be subject to developer contributions and details of how they will be delivered are set out in the Action Programme.

The transport schemes associated with new developments allocated for the first time in this Local Development Plan are separated into two categories:

- Strategic Transport Infrastructure – These projects have been identified by a partnership group consisting of officers from Aberdeen City Council, Aberdeenshire Council, the Strategic Development Planning Authority, Transport Scotland and NESTRANS. Funds realised from this initiative will be managed and delivered by Nestrans.
- Local Infrastructure. - These transport projects are expected to be provided as part of new development and should be reflected in the associated Masterplan and subsequent planning applications

The following provides an overview of the various types of transport related infrastructure items and contributions that may be sought.

- **Strategic Transport Fund**

The City Council and Aberdeenshire Council, in partnership with Nestrans, Transport Scotland and the Strategic Development Plan Team have explored options for delivering strategic infrastructure as development comes forward for implementation across the region.

Transport modelling has been carried out to assess the cumulative impact of development proposed across the North East and to consider the scale of strategic transport interventions likely to be required to support the level of development identified in the Aberdeen City and Shire Structure Plan. This modelling work has identified key points on the transport network where interventions are likely to be required to address the cumulative impact of development. Supplementary guidance has been produced by the Strategic Development Planning Authority which proposes an equitable way of funding these projects through developer contributions from qualifying sites coming forward for development. The purpose of the guidance is to support development while also addressing the impact of new development on the transport network.

The following sets out the process for identifying the opportunity sites within the LDP that will contribute towards the Strategic Transport Fund.

1. If the application site was allocated in the 2008 Local Plan, strategic transport contributions would **not** be required, **unless** an alternative use or larger scale of development is proposed which generates a greater transport impact than that anticipated from the 2008 Local Plan allocation. In that case, the precise level of Strategic Transport Contributions would need to be identified in order to mitigate the wider impact of the development on the transport framework.
2. For any 'new' developments allocated for the first time in the Local Development Plan, these sites would make a strategic transport contribution based on the corresponding standards for housing and employment land set out in the Supplementary Planning Guidance 'Delivering Identified Projects Through a Strategic Transport Fund'.

'Windfall' sites that have not been allocated in the Local Development Plan will also be liable to make a contribution towards the Strategic Transport Fund. For some brownfield developments, there may be instances where the transport impact of the development proposal is equivalent to or less than the impact of its most recent operational use. Such factors would need to be taken into account in the consideration of transport impacts and, where applicable, the negotiation of mitigation measures and developer contributions.

Contributions for transport related infrastructure will be held for a 20 year period to enable the provision of appropriate infrastructure.

Further information is detailed in the Supplementary Planning Guidance document Delivering Identified Projects Through a Strategic Transport Fund which can be viewed through the Strategic Development Planning Authority website at <http://www.aberdeencityandshire-sdpa.gov.uk>

- **Local Transport Infrastructure and Mitigation**

All developments, regardless of Strategic Transport Fund (STF) requirements, will be assessed in terms of their impact on the local transport network and may be required to mitigate these impacts. Indicative costs associated with the most frequently required mitigation measures are outlined in this document. Developments may be required to make an appropriate contribution towards one or several of the mitigation measures outlined in this document or any other measure that the Council deem to be appropriate.

General Principles for All Development:

The following principles will apply to all development within the Aberdeen City Council area:

- Requirements will vary from site to site. The developer will be expected to provide and meet, in full, the cost of all external works identified as requirements through the planning process
- All developments will make an appropriate contribution towards local transport infrastructure and/or services related to that development, to ensure that the required facilities/infrastructure provision is in place in time to mitigate the impacts of the development
- Developer Contributions will be used to provide improvements to public transport, the local road network, traffic management, pedestrian and cycle facilities, accessibility infrastructure or any other such improvements
- Different development sites will have different transport requirements. The exact contribution required for each site will be determined on a case by case basis, for developments where significant impacts are likely a full Transport Assessment (TA) will be required to inform the process. The thresholds for when a TA will be required are set out in the Transport and Accessibility Supplementary Guidance
- Developers should be aware of, and take account of the requirements to provide such contributions. We encourage pre-application discussions with appropriate Council officers at the earliest possible stage
- The principles set out in this Developer Contributions Manual do not negate the requirement for either a Transport Assessment or a Development Framework /Masterplan/Planning Brief and should be applied as a basis for addressing transport impacts alongside and in conjunction with the preparation of these where they are required
- Developers should use these Guidelines in conjunction with the policies and principles set out in the Transport and Accessibility Supplementary Guidance and in terms of walking and cycling, the Open Space Supplementary Guidance

Assessment of Appropriate Level of Developer Contributions:

The full impact of the development on the local transport network will be taken into account when assessing the required levels of local mitigation.

The following mitigation measures are examples of some of the factors which will be considered during the assessment of any development. This list is not exhaustive but provides a clear starting point for discussions between the developer and the Council. An indication of the likely costs involved in these measures is provided in a table at the end of this section.

- **Road Improvements and Public Realm**

A key priority in the assessment of any development proposal is to ensure that sufficient infrastructure is in place to accommodate the development. This means the provision of or upgrading of roads, bridges or other infrastructure, including carriageways and footways. This may be required either within or outwith the development site or both and planning conditions/legal agreements will be secured accordingly.

- **Alterations to Existing Roads**

Any alterations to existing roads that are required as part of a development will normally be undertaken as part of the development construction and progressed as part of a section 56 or a roads Construction Consent application. However, there may be instances where the Council may wish to take on this construction, if this is the case, this will be fully funded by the developer.

- **Footway Crossings**

In order to ensure that footway crossings are adequately constructed, they will normally be undertaken by the Council. The Council will charge the developer for the cost of the construction of a footway crossing.

- **Public Transport Priority**

In order to ensure that public transport services can adequately gain access to and serve a development and to ensure that existing services are not adversely impacted by the development, developers may be required to provide or fund public transport priority measures. These include, but are not limited to, bus lanes, bus-only sections of road and bus priority traffic signals.

- **Supported Bus Services**

Developers may be required to enter into a legal agreement which enables the up front payments to fund new bus services or to underwrite a new service for an agreed period of time. This may involve a completely new service or extending/improving an existing service. New and upgraded facilities may be required in order to deal with increased demand on public transport services, these may include the provision of or upgrade of bus stops, bus shelters and Real Time Information systems.

- **Traffic Signals**

Development of any kind has the potential to impact on the road network. As a result of this impact, developers may be required to provide for the

installation of new traffic signals, controlled pedestrian crossings and the upgrading/refurbishment of existing traffic signal infrastructure.

- Lighting

Any development which requires new roads or the upgrading of existing roads will be expected to fund the installation of new lighting or the upgrading of existing lighting infrastructure where appropriate.

- Traffic Calming Measures

Development may generate the need for traffic calming measures such as speed humps, chicanes, kerb extensions and shared space schemes which the developer may be liable to fund.

- Cycling/Walking Routes

In accordance with the Transport and Accessibility Supplementary Guidance standards for access and permeability, developers will be required to provide safe routes for cyclists and walkers which are planned in accordance with the 5 C's – connected, convenient, comfortable, convivial and conspicuous as referred to in the Aberdeen Local Transport Strategy 2008-2012. This may include both on site and off site cycle parking infrastructure.

- Safer Routes to Schools

Developers will be required to provide safe routes to schools through the provision of measures including dropped kerbs, crossing points, speed cushions, central refuges and exclusive cycle/pedestrian paths.

- Car Clubs

Car Clubs provide a more sustainable option to individual car ownership and are often beneficial where full parking provision is limited. Developers may be required to make a contribution to the Aberdeen Car Club for the provision of spaces, vehicles or membership for the individuals living/working in their development.

- Bus Permits/Tickets

The promotion of public transport use over individual car ownership will always be encouraged, particularly where full parking provision is limited. Dependant on circumstances, developers may be required to enter into an agreement with local Public Transport Operators (First Bus and Stagecoach) so that annual bus passes can be purchased and used to residents of the development.

- Travel Plan

Travel Plans contain a package of measures aimed at promoting sustainable transport choices to and from developments. All developments are encouraged to prepare Travel Plans in support of planning applications. The thresholds for developments which require a Travel Plan are set out in the Transport and Accessibility Supplementary Guidance. For major applications it will be necessary for the developer to enter into a legal agreement detailing target aspirations, monitoring and actions for the revision of Travel Plans.

- Traffic Regulation Orders (TROs)/Stopping –Up Orders

Where Orders are required in order to facilitate development, the developer will be required to pay the Council's administration costs in addition to paying for the infrastructure to support the Order. This may include bollards, road markings and signage.

Transport Indicative Costs Tables:

The purpose of this table is to provide developers with an indication of the costs, where available, involved in meeting the transport mitigation measures set out above.

The requirements and costs will vary from site to site and developers are expected to meet in full the cost of all external works identified in the Transport Assessment (TA) and/or through the planning process. It is recommended that developers take account of these estimates when costing development proposals to avoid difficulties later in the planning process. However, a guarantee cannot be given as to the actual costs arising from the assessment of individual proposals. Early discussion with the Council is encouraged. The tables below set out the indicative costs of specific items for information.

Transport Mitigation Measure	Applicability	Indicative Cost
Road Improvements and Public Realm	This may be a requirement for retail, residential or commercial developments, dependant on the resulting impact on the local transport network. This may include improvements to carriageways and footways were necessary.	The developer will be required to undertake these works to a specification acceptable to the Roads Authority. The costs will vary significantly depending on the scale of works required. Dependant on circumstances, the developer may be required to contribute funds to improvements being constructed by the Council or others.
Alterations to Existing Roads	Normally this would form part of works constructed by the developer although occasionally the Council may wish to take on construction, at a cost to the developer.	The developer will be required to undertake these works to a specification acceptable to the Roads Authority. The costs will vary significantly depending on the scale of works required. Dependant on circumstances, the developer may be required to contribute funds to improvements being constructed by the Council or others.

Transport Mitigation Measure	Applicability	Indicative Cost
Footway Crossings	This will be a requirement for any development that includes a driveway crossing over an existing footway or road verge. The Council will normally undertake this work, at a cost to the developer.	The approximate cost for a dropped kerb is £800-£1500.
Public Transport Priority	This may be a requirement for major retail, residential or commercial developments, dependant on the extent and nature of existing priority arrangements and how well this could address the impact of development.	It is not possible to provide costs. Where this is a requirement the cost will be determined by the work required.
Supported Bus Services	In principle this may be a requirement for major retail, residential or commercial developments.	<p>It is not possible to provide costs for the extension of existing bus services or the introduction of a new service as this will depend entirely on the service/area in question and the magnitude of change.</p> <p>A new bus shelter would cost approximately £3500.</p> <p>The installation of Real Time Information display would cost approximately £3500-£5000 per site.</p> <p>Upgrading existing infrastructure to include raised access kerbs costs approximately £2000 per site.</p> <p>Upgrading an existing site to include courtesy lighting costs approximately £500-£2000 per site, depending on the availability of electrical feed.</p>
Traffic Signals	This requirement will apply in principle to the majority of	The cost will vary depending on what is required. A single pedestrian crossing costs

Transport Mitigation Measure	Applicability	Indicative Cost
	developments.	approximately £30,000 whereas signalling a four arm junction costs approximately £100,000.
Lighting	This requirement will apply to any development which requires new roads or the upgrading of existing roads.	It is not possible to provide costs. Where this is a requirement the cost will be determined by the work required.
Traffic Calming Measures	The requirement to provide traffic calming on roads may be required where there is likely to be any increase in traffic movements on surrounding residential streets.	The developer will be required to provide these improvements. A road hump or set of cushions costs approximately £1000 per feature and they are required at 75m intervals. An entrance treatment for a 20mph zone costs approximately £1500 but can vary.
Cycle/Walking Routes (excluding those facilities already required through the Roads Improvement and Public Realm category)	This requirement will apply in principle to all new developments. The requirement to provide cycle/walking routes is set out in the Transport and Accessibility Supplementary Guidance. In addition, developers will be required to fund external links to connect with the wider cycle/walking network and this may include both onsite and offsite cycle parking infrastructure.	<p>The developer will normally be required to provide these improvements. Developers should refer to the 'Core Paths Network' section of this document for guidance on likely requirements. The approximate cost of a cycle parking stand (Sheffield standard) is £150.</p> <p>The approximate cost of a cycle locker is £400.</p> <p>The approximate cost of a covered cycle shelter is £2500.</p>
Safer Routes to Schools (excluding those facilities already required through the Roads Improvement and Public Realm category)	This requirement will apply in principle to all new residential developments. Developers may be required to make payments towards mapping of routes, cycle training and walking bus initiatives.	It is not possible to provide costs. Where this is a requirement the cost will be determined by the work required.

Transport Mitigation Measure	Applicability	Indicative Cost
Car Club	This requirement may apply to all city centre residential developments and other developments where full parking provision is limited.	<p>For residential developments:</p> <p>For the majority of residential developments a contribution of £400 per unit will be required. This contribution covers the cost of 2 years annual membership per unit. In certain circumstances a development may wish to make a contribution towards Car Club vehicles. Under these circumstances the overall membership contribution (£400 per unit) may be negotiated.</p> <p>For Non-residential developments:</p> <p>Each development will be dealt with on a case by case basis taking into account location, size and provision of parking.</p>
Bus Permits/Tickets	This requirement may apply to developments where full parking provision is limited.	The current cost of providing an annual bus permit for use with First Bus services is £660 and the approximate cost of providing an annual bus permit for use with Stagecoach services ranges from £510-£1790 (dependant on bus route).
Travel Plan	The thresholds for developments which require a Travel Plan are set out in the Transport and	To be provided by Developer. Through Masterplan process there will be a requirement to produce a Travel Plan Framework with individual

Transport Mitigation Measure	Applicability	Indicative Cost
	Accessibility Supplementary Guidance although all developments are encouraged to prepare Travel Plans in support of planning applications.	developments complying with the framework.
Traffic Regulation Orders/Stopping-Up Orders	This requirement may apply to all developments.	The cost per Order is approximately £1500 which must be paid regardless of whether the Order is successful or not. The developer would also be required to pay the costs of the work.

Note: Costs are correct as of May 2012.

- **Air Quality**

Local Development Plan Policy NE10 states that planning applications for development which have the potential to have a detrimental impact on air quality will not be permitted unless measures to mitigate the impact of air pollutants are included. Mitigation measures should ensure that the development ameliorates against any impact on local air quality, and where the mitigation measures proposed do not fully mitigate the impact of development on air quality, further contributions may be sought by the Planning Authority.

Further details can be sought from the Supplementary Guidance document on Air Quality.

- **Core Paths Network**

New development will be required to incorporate, enhance and link to the Core Paths Network. Infrastructure requirements relating to walking and cycling facilities, such as core paths, are set out under Policy I1 of the Local Development Plan, and section 3 of the LDP Action Programme. These new and improved paths will need to be incorporated into the corresponding Masterplan Zones identified.

The criteria for assessing whether a proposed development needs to contribute to the Core Paths Network is as follows:

- ➔ Development which incorporates and enhances existing core paths and provides links to the Core Paths Network will not require any financial contribution providing that the measures proposed are appropriate for the level of development proposed and are agreed with the City Council as Access Authority.

- ➔ Where there is no provision of core paths or links to the Core Paths Network, developers will be required to make a financial contribution at a rate of £371 per dwelling or per-house-equivalent for non-residential developments (see below).
- ➔ Where a developer proposes provision of, or improvements to, the Core Paths Network and the Council, as Access Authority, considers such measures to be inadequate, a financial contribution will be sought to facilitate and mitigate the level of development proposed.

The rate of £371 per-dwelling or per-dwelling equivalent is based on current costs for the provision of Core Paths in Aberdeen, taking account of the level of provision across a number of communities.

The formula for calculating per-house-equivalent is based on the gross floor area (GFA) of the commercial premises plus 50% of concrete/tarmac areas and 25% of hardcore areas (Gross External Area GEA) to give an equivalent number of house units at 10 units per acre that could have been erected on a similar area. Where the number of car parking spaces has been indicated the standard area required for a parking space of 24 m² will be used.

$(GFA + (GEA/2)) / 400 = \text{HUE (House Unit Equivalent) @ 10 per acre.}$

E.g. 2,000 m² food store + 4,000 m² car park = $(2,000 + 2,000) / 400 = 10 \text{ HUE.}$

An individual site usage weighting factor (WF) is then applied to reflect the probable occupation level of the site. These are as follows:

Bulky Goods- retail w/house	0.25
Fast food	0.75
Hotel	0.5
Leisure etc	0.25
Non Food retail	0.5
Office & other commercial	0.75
Petrol Station/garage	0.25
Restaurant	0.75
Retail food	1
Showroom	0.1
Warehouse	0.05
Workshops/engineering	0.2

Affordable Housing

All new developments of five housing units or more are required to contribute no less than 25% of the total number of units as affordable housing as stated in LDP Policy H5 Affordable Housing. Further detail on the policy is set out in the Supplementary Guidance document on Affordable Housing.

Schools

Officers from the Education Culture & Sport Service, Planning Gain Team and the Local Development Plan Team undertook a joint assessment of the impact of

proposed development on the provision of education services, and the need for new and extended schools. This work took account of the 2009 School Roll Forecasts, published in May 2010, which includes the most up to date information on current school capacities and the likely spare capacity available in the future. Collaborative work between all partners is ongoing. This will ensure that the impact upon educational capacity due to increased housing development is fully taken into account and will be achieved by continued dialogue with the development industry in order to determine likely start dates, build rates and phasing of construction.

In the future a key challenge will be to ensure that the Council has a reliable mechanism for securing appropriate payments from developers. In addition to this it will be important that the Council is prepared and ready to utilise any contributions received from the development industry to make necessary improvements to the City's education provision and to monitor any changes resulting from new development on the demographic mix in different areas of the City.

The actual impact on future development will be determined at the masterplanning and planning application stages and this will depend on:

- continued discussions with Aberdeenshire Council regarding cross-boundary developments and growth;
- update of the school roll forecasts;
- Revision of the school catchment areas; and
- any changes to the provision of educational services.

Infrastructure requirements for education provision is based on the anticipated number of pupils from a proposed development and their effect on the Primary and Secondary school rolls serving that development averaged out over a 5 year period from the anticipated development start date. Up to the point where development proposals will utilise capacity at existing schools, the impact will be calculated on the basis of the pupil-per-household (pph) ratio for the relevant catchment in the School Roll Forecasts. Where new facilities or extensions are required, the impact will be based on 0.25 pph for Primary and 0.175 for Secondary. It is assumed that these figures include an element of 1 bed housing and therefore 1 bed units should not be excluded from the calculations. The required level of contribution is then determined from the 'rate per pupil' required to provide the following:

Relocatable accommodation should be provided where the school roll is expected to, or already, exceeds the capacity of the school and is forecast to fall back to an under capacity position during the forecast period, using the following figures:

Primary – Temporary accommodation	= £7,000 per pupil generated
Secondary – Temporary accommodation	= £9,000 per pupil generated

OR

New build accommodation should be provided where the school roll forecast trend is for it to grow beyond its current capacity or it is already above capacity and the additional pupils from the development will add to this over capacity problem.

Primary – Permanent extension or new build school	= £23,000 per pupil generated
Secondary – Permanent extension or new build school	= £44,000 per pupil generated.

On larger residential developments the applicant may be required to provide a school site. For Primary provision this should be 3.25 hectares or thereby and for secondary schools this should be 10 hectares or thereby of serviced and where possible reasonably flat land. Where both primary and secondary school sites are required the applicant may wish to investigate the possibility of a shared school campus design layout.

Where community related facilities are provided within schools these are reflected in the rates charged. On occasion the requirements for other community facilities may be reduced where these are to be provided in whole or in part within a school campus.

Water

Scottish Water are the statutory agency for water related issues associated with new development and representatives from Scottish Water have provided the Council with a view on the Water and Drainage Infrastructure required to support new development.

Scottish Water can advise of any major infrastructure issues that are known in an area, for example a pump station which is at capacity. However, they cannot provide detailed information on the impact of a development without undertaking modelling investigations. In order for these investigations to be meaningful, detailed information will be required from developers, which is unlikely to be available when they first purchase the land. Regulatory guidelines stipulate that the cost of the modelling work must be met by the developer, however some costs may be reclaimed as part of their Reasonable Cost Contributions (under the Provision of Water and Sewerage Services (Reasonable Cost) (Scotland) Regulations 2006). Costs for upgrading the network would not be available without first undertaking these investigations.

Scottish Water requires developers to demonstrate that they have satisfied 5 essential criteria before a connection offer is made. The five criteria are outlined below.

1. The development is supported by the Local Development Plan and has outline or full planning permission.
2. The developer must confirm land ownership or control through a solicitor's letter.
3. The developer must confirm plans are in place to mitigate any network constraints that will be created by the development through a Minute of Agreement with Scottish Water or alternatively a letter showing commitment to mitigate network impact through Part 3 investment.
4. The developer must confirm any time remaining on current planning permissions with your local council.
5. The developer must be able to demonstrate reasonable proposals in terms of your development's annual build rate.

Upon completion of this feasibility stage the developer may proceed with submission of a formal application to Scottish Water. This will lead to the provision of Technical Approval for the designs and for the overall connection application.

Under current funding rules, which Scottish Water are governed by, the cost and programming of any work associated with the Part 4 (strategic) infrastructure, such as water treatment works, are the responsibility of Scottish Water. Parts 1, 2 and 3 infrastructure are the responsibility of the developer, where financial contributions for Parts 2 and 3 infrastructure can be claimed back from Scottish Water if applicable. This again is done as part of the Reasonable Cost Contributions (Reasonable Cost) (Scotland) Regulations 2006.

Scottish Water, the City Council and other relevant partners are exploring the opportunity to address the cumulative impact of development across the region. Therefore, the information contained in the infrastructure requirements tables may be subject to change.

Infrastructure requirements relating to the Masterplan Zones are identified under Policy I1 of the LDP and the LDP Action Programme. The precise need for infrastructure and the process for delivery will need to be discussed and agreed with Scottish Water at the earliest opportunity in the preparation of proposals for development. Masterplans and planning applications for development will need to reflect the infrastructure requirements identified as well as the means of delivering such infrastructure. Any financial contributions will need to be agreed with the Council, in consultation with Scottish Water, before an application can be determined.

The Council is currently exploring a mechanism for securing developer contributions towards the cumulative impact of development on water infrastructure and further details will be published when they are available.

Health

Infrastructure requirements have been calculated with NHS Grampian on the basis of national health standards and by estimating the likely number of new patients generated by each proposed development. Contributions will be calculated using nationally recognised space standards and build costs, based upon the population requirements for GP surgeries, dental chairs and community pharmacies.

Infrastructure requirements relating to the Masterplan Zones are identified under Policy I1 of the LDP and the LDP Action Programme. The precise need for infrastructure and the process for delivery will need to be discussed and agreed with NHS Grampian at the earliest opportunity in the preparation of proposals for development. Masterplans and planning applications for development will need to reflect the infrastructure requirements identified as well as the means of delivering such infrastructure. Any financial contributions will need to be agreed with the Council, in consultation with NHS Grampian, before an application can be determined.

Open Space and Green Space Network

In 2010, the City Council published its first Open Space Audit which has provided a detailed assessment of open spaces across the City, and has informed preparation of the Aberdeen Open Space Strategy, which provides a strategic framework for protecting, creating, connecting, and improving open spaces. This work has

provided the basis for determining open space standards and green infrastructure across the City.

Policy NE4 of the Local Development Plan sets out the open space requirements for residential development which states that 2.8 hectares of open space must be provided per 1000 people. This figure will be calculated using the number of bed spaces in the development. The categories of open space include Play space, Outdoor Sports Areas, Natural Greenspace and Green Corridors and Allotments.

The Open Space Supplementary Guidance and Open Space Audit will be used to identify the level of provision in the local area, using minimum quantity, quality and accessibility standards. Where the quantity standards have already been met within the surrounding area, it may be appropriate to make improvements to the quality of, and accessibility to, the existing provision.

It is important that open spaces are high quality and functional. If the size or viability of the development, such as brownfield development, means that the open space provided would be of limited function and usefulness, and where there is adequate quantity of provision in the surrounding area, contributions towards the improvement of quality and accessibility of surrounding open spaces may be appropriate instead. The level of contributions required will be based on cost estimates to be included in the emerging Supplementary Guidance on Open Space.

In addition, indoor and outdoor sports facilities which require works other than ground works for playing fields, for example, lighting, changing facilities, spectator areas, car and coach parking, attract contributions based on a cost per square metre basis for building works. The requirements are assessed and determined so as not to degrade the level of amenity already enjoyed by existing residents. Existing facilities are taken into account and adjustments to the overall rate will be made on a site by site basis.

All other types of development, including commercial, business and employment developments, will need to provide an appropriate level of open space in the context of the landscape setting and the nature and scale of development. Such provision will need to be agreed with the Council at the earliest opportunity in developing proposals for a site.

Green Space Network

The Open Space Strategy and Open Space Supplementary Guidance also include information on the rationale and delivery mechanisms for Green Space Network. Green Space Network is shown in the LDP Proposals Map as Policy NE1. Green Space Network is a recognised form of infrastructure; a strategic network of woodland and other habitats, active travel and recreation routes, open space and waterbodies, providing an enhanced setting for development, opportunities for adapting to climate change and a facility for the people living or working in the developments.

As stated in Policy NE1 of the Local Development Plan, development which has an impact on existing wildlife habitats, or connections between them, or other features of value to natural heritage, open space, landscape and recreation, must be mitigated either within or outside of the development. As Green Space Network defines the

strategic and priority green infrastructure, mitigation measures should be targeted towards the protection and enhancement of Green Space Network. Such mitigation measures could include the following:

- woodland expansion;
- the creation of a high quality landscape structure which supports the development plan spatial strategy;
- strategic routes for active travel and recreation;
- strategic habitat networks and habitat development projects;
- enhancement or creation of open space;
- the restoration of vacant and derelict land for green network purposes; and
- the integration of woodland, habitat, greenspace and access development with water catchment and coastal zone management.

Such provision will need to be agreed with the Council at the earliest opportunity in developing proposals for a site. The Open Space Strategy and Supplementary Guidance give more information on the rationale, priorities and delivery mechanisms of the Green Space Network.

Library Provision

Where there is deemed to be an impact on current provision from new development, the Council will seek contributions towards the creation of libraries. The guideline requirement for floor area in relation to population indicates that a building of at least 42 m² per 1,000 residents is required. As the population criteria are exceeded only by continued expansion of the settlement by developers the need for a contribution towards such facilities is therefore reasonable and justifiable. The Authority will plan for any contributions towards improvements to the service provision in the most effective manner.

Contributions are calculated assuming 2.3 persons per household, at a build cost of £1,175 per m², required by the population arising from the development.

Community Facilities

Where there is deemed to be an impact on current provision from new development, the Council will seek contributions towards the creation of community facilities. This is calculated on the requirement of 0.69 m² of community facility per dwelling unit as determined for small to medium size developments. This is to ensure that existing residents are not disadvantaged by an increase of usage from additional residents the proposed development would generate. The level of contribution is determined by the size of the existing facilities and current population served by the facilities together with the anticipated increase in the population served by the new development. In some instances there will be no contribution required if the facilities are of adequate size to cope with both existing and anticipated usage.

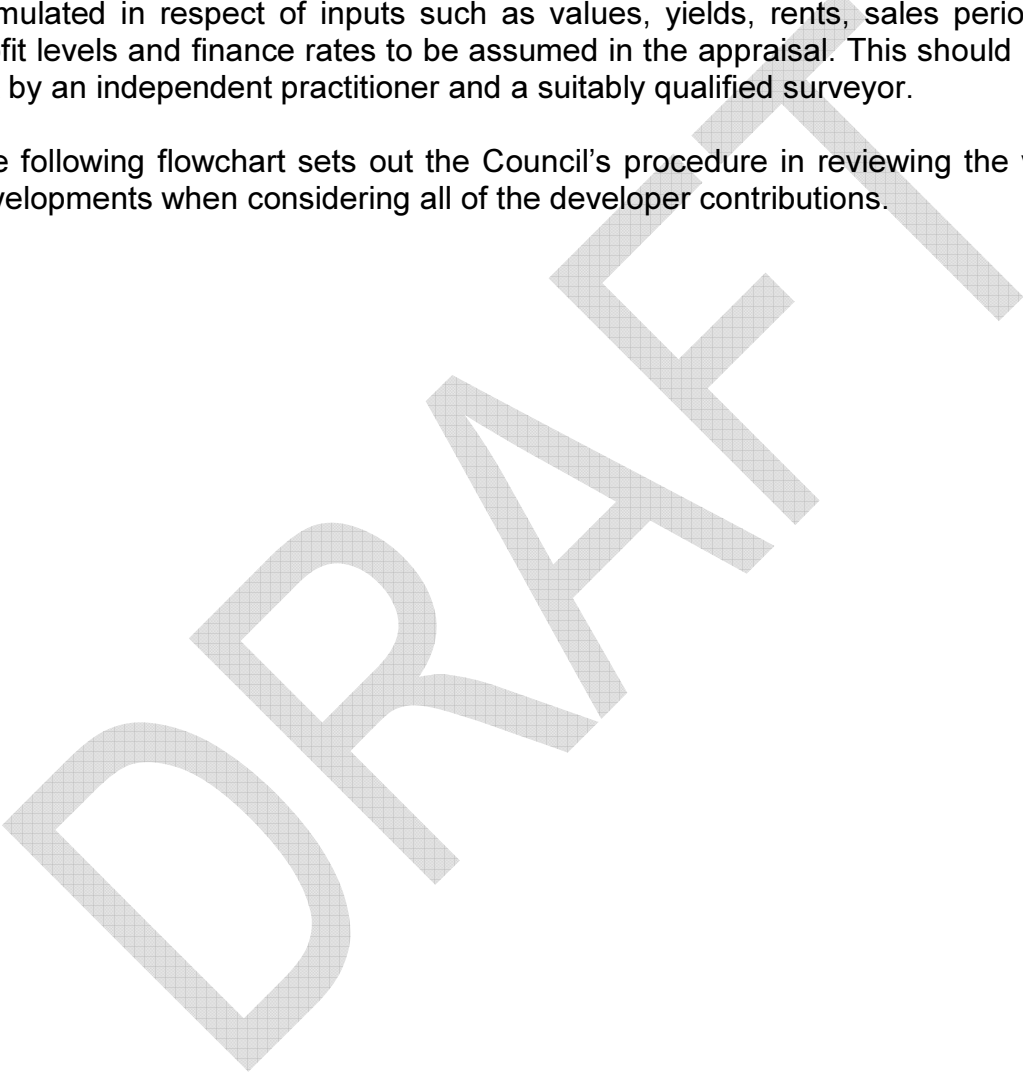
Contributions are calculated on the basis of the requirement for 0.69 m² of community facilities per household, using a build cost of £1,175 per m².

Development Viability

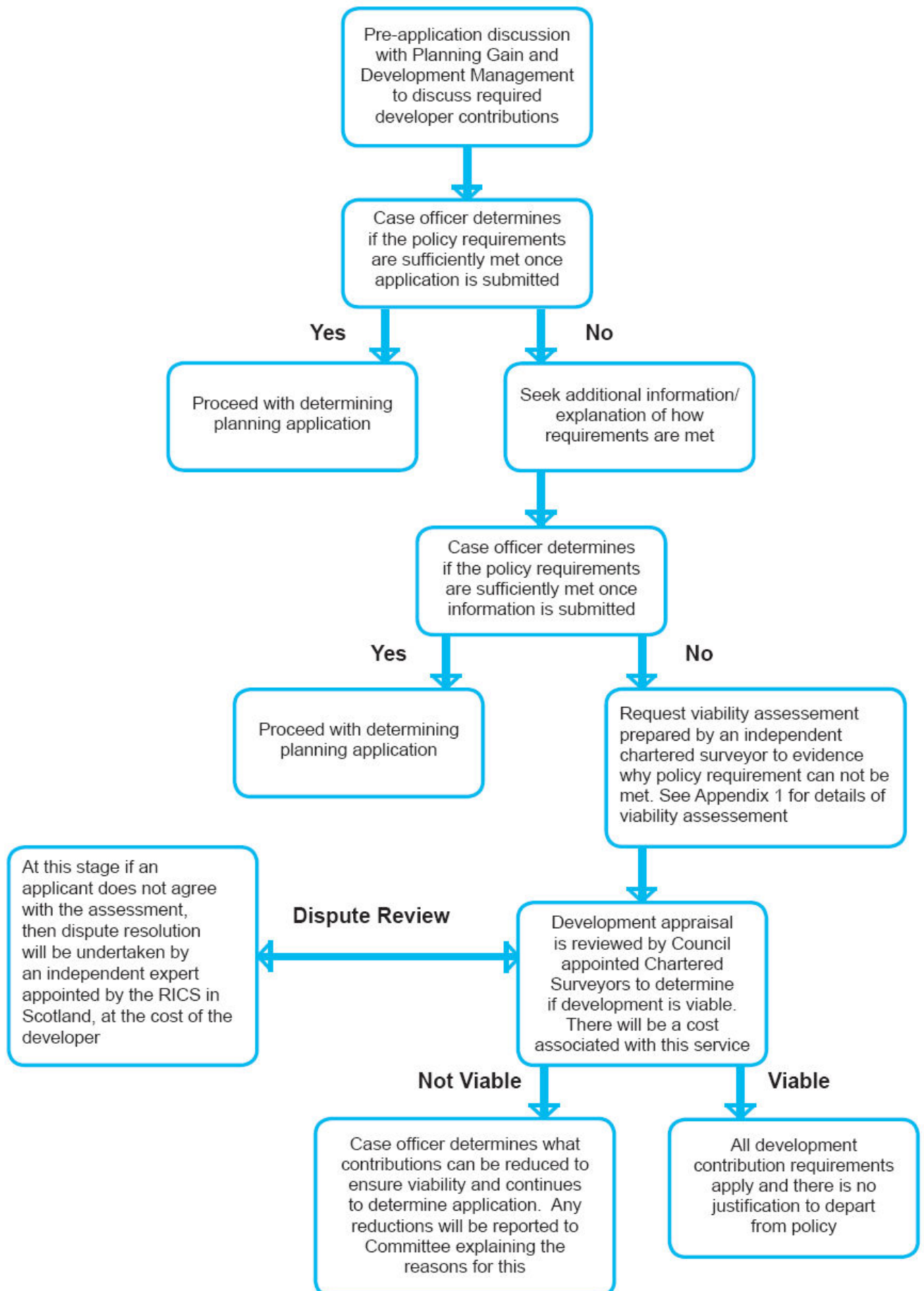
The consideration of financial viability is, in the application of planning policy and the negotiation of developer contributions, an essential element in the determination of planning applications. A certain degree of knowledge and understanding is needed by planners and decision-makers as to the viability implications of all of the requirements placed on development, and where difficulties arise in delivering all the requirements, independent expert viability input is required.

In these instances applications must be supported by viability assessments and It is important that these are supported by adequate comparable evidence. For this reason it is important that the appraisal is undertaken by a suitably qualified practitioner. This ensures that appropriate assumptions are adopted and judgment formulated in respect of inputs such as values, yields, rents, sales periods, costs, profit levels and finance rates to be assumed in the appraisal. This should be carried out by an independent practitioner and a suitably qualified surveyor.

The following flowchart sets out the Council's procedure in reviewing the viability of developments when considering all of the developer contributions.



Development Viability Flowchart



Appendix 1

Indicative Outline of what to include in a Viability Assessment

Proposed scheme details

- Floor areas:
 - commercial: gross internal area (GIA) and net internal area (NIA)
 - residential: GIA and NSA
- Residential unit numbers and habitable rooms including the split between private and affordable tenures

Gross development value (GDV)

- Any existing income that will continue to be received over the development period
- Anticipated residential sales values and ground rents (and supporting evidence including deductions for incentives)
- Anticipated rental values and supporting evidence
- Yields for the commercial elements of the scheme and supporting evidence
- Details of likely incentives, rent-free periods, voids
- Anticipated sales rates (per month)
- Anticipated grant funding for affordable housing
- Anticipated value of affordable units (with supporting evidence/explanation of how these have been valued and assumptions)
- Deductions from commercial GDV to reach NDC (Stamp Duty Land Tax (SDLT), agents, legal + VAT).

Costs

- Expected build cost (if required, a full QS cost report also showing how costs have been estimated)
- Demolition costs
- Historic costs (as reasonable and appropriate)
- Site preparation costs
- Vacant possession costs
- Planning costs
- Construction timescales, programme and phasing
- Any anticipated abnormal costs
- Rights of light payments / party walls / over sailing rights
- Details of expected funding and finance rates
- Professional fees, including:
 - architect
 - quantity surveyor
 - structural engineer
 - mechanical/electrical engineer
 - project manager
 - letting agent fee
 - letting legal fee
 - Site Value (see Section 3 of the guidance)
- Other costs

Additional details for projection based viability assessments

- Expected sales growth

- Expected rental growth
- Expected cost inflation
- Credit rate

Development programme

- Pre-build
- Construction period
- Marketing period

Viability cashflow

- Income/value/capital receipt
- Costs
- Phasing (where appropriate)

Benchmark viability proxies

- Profit on cost
- Profit on value
- Development yield
- Internal rate of return (IRR)

Planning application details

- Plans/sections/elevations (as relevant)
- Design and access statement

Sensitivity Analysis

- Two way sensitivity analysis
- Scenario analysis
- Simulation analysis

Accompanying Report (basic outline)

- Executive summary
- Contents outline
- Introduction and background
- Description of site location
- Planning policy context
- Description of scheme
- Market information summary
- Build cost and programme
- Methodology and approach
- Outputs and results
- Sensitivity analysis
- Concluding Statement