Runnymede A320 Impact and Longcross Garden Village Viability Study

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Runnymede A320 Impact and Longcross Garden Village Viability Study

Executive Summary

- S1 The main objective of this report is to respond to the Inspector's concern initially raised at examination (Stage 1 and 2 hearings), that the sites proposed in the Local Plan around the area of the A320, can facilitate on a viable basis, the necessary infrastructure as well as mitigate the on-site impacts.
- S2 The analysis revisits the High Level Testing carried out in 2017, and concludes as to whether generally there is scope or surplus for additional funding from the process of planning consent across the Borough generally. It looks at the key sites in the A320 area and related sub markets and concludes on individual scheme viability. The report looks in significant detail at the Longcross Garden Village site which is being promoted by Crest Nicholson, which by some margin, is the most significant of the housing allocations proposed in the Local Plan.
- S3 The report finds that development generally across the Borough is very viable, even where a brown field land value benchmark is considered. Much of the development comes from agricultural or green field and thus has a low existing use value.
- S4 The revised National Planning Policy Framework and associated guidance now favours local authorities in their policy stances by emphasising existing use value as the basis of viability negotiations. This asks the question 'by how much will the land value be raised should we, as a planning authority, decide to grant planning permission. This is very much different to the historic position, where applicants often cited land purchase price as the basis for negotiation and where this price sometimes did not reflect policy requirements.
- S5 The key sites around the A320 (and looked at in detail in Section 4) are viable, and deliver significant surplus to the land owners, whilst providing a competitive return to the developer, land owner and

whilst meeting the Council's Affordable Housing and other Section 106 requirements.

- S6 Longcross Garden Village, as a scheme (the south part of the site has been looked at here in detail) is viable to deliver Section 106 requirements as anticipated by the Council. In making my assessment of this site, the Council requested I liaise with the developer's Crest to understand their perspective on various factors (such as housing mix etc.) and assumptions, before I completed my report. My analysis suggests the site has significant viability, though whilst the developer also considers that whilst the scheme is viable, it does not entirely agree the extent of viability posited by myself. One key relates to construction costs and this remains a matter of ongoing discussion. Likewise there is scope to further narrow the debate on the issue of land value benchmark.
- S7 The general appearance of the scheme in terms of its mix and density would not appear to me to be an area where there is likely to be significant dispute.

1 Introduction and objectives

- 1.1 This Viability Study has been undertaken following the Stage 1 and Stage 2 hearing sessions of the examination into the Runnymede Local Plan. It is intended to further inform the examination in relation to the deliverability of mitigation on the A320 corridor and what this means for the delivery and viability of development sites associated with this highway.
- 1.2 The project brief for the Update Study advises that: 'ahead of further hearing sessions the Council is gathering additional highways modelling advice and preparing its bid for the Housing Infrastructure Fund (HIF) as one mechanism to fund A320 improvements. The HIF ask is some £44m to cover the cost of A320 mitigation in Runnymede'.
- 1.3 To help the Council demonstrate that funding mechanisms have a realistic and reasonable prospect of delivery the Council has commissioned this report to test the viability of development sites in the A320 corridor, including Longcross Garden Village, mindful of the funding sources available.

1.4 The Study tests viability in three ways. Firstly, the Study undertakes a review of the High Level Testing (HLT carried out in the Viability Baseline report (2017). Secondly, it reviews and updates the analysis of large sites taking into account updated information on development mix and infrastructure loading. Thirdly the Study includes an in-depth analysis of the viability of the Longcross Garden Village site, taking into account the Council's anticipated phasing programme.

2 Approach to viability assessment

Overview

- 2.1 It is important to understand how viability is assessed in the planning and development process. The assessment of viability is usually referred to as residual development appraisal approach. Our understanding is illustrated in the diagram below. This shows that the starting point for negotiations is the gross residual site value which is the difference between the scheme revenue and scheme costs, including a reasonable allowance for developer return.
- 2.2 Once CIL or Section 106 contributions have been deducted from the gross residual value, a 'net' residual value results. The question is then whether this net residual value is sufficient in terms of development value relative to the site in its current use.



2.3 Calculating what is likely to be the value of a site given a specific planning permission, is only one factor in deciding what is viable.

Land owner considerations

2.4 A site is extremely unlikely to proceed where the costs of a proposed scheme exceed the revenue. However, simply having a positive residual value does not guarantee in itself, that development happens. The existing use value (EUV) of the site, and a realistic alternative use value (AUV) for a site (e.g. commercial) will also play a role in the mind of the land owner in deciding whether to bring a site forward for new development.



2.5 The diagram above shows how this operates. The land owner will always be concerned to ensure that residual value clears the relevant land value benchmark, which is usually the existing use value for the site. In the case of green field site, the EUV will be agricultural land; in the case of a brown field site, usually industrial land or property.

The Revised NPPF (February 2019) and viability

2.6 Paragraph 57 of the NPPF states that all viability assessments including those undertaken at the plan-making stage, should reflect the recommended approach in national planning guidance, including standardised inputs. Updated national guidance in the NPPG (July

2018) on viability has been published since the baseline viability report of 2017 which sets out the standardised approach. Table 1 shows how this standardised approach has been followed in this Study. Paragraphs 013 & 014 of the revised NPPG are very clear that the land value benchmark should be based on existing use value (EUV). It states:

'EUV is the value of the land in its existing use together with the right to implement any development for which there are policy compliant extant planning consents, including realistic deemed consents, but without regard to alternative uses.'

2.7 The NPPG further states:

'Existing use value is not the price paid and should disregard hope value.'

This represents a key shift away from previous guidance (e.g. that of the RICS) which recommended a 'market value' approach.

2.8 The NPPG allows for a premium over and above EUV to incentivise the land owner to bring the site forward. It states in paragraph 016:

'The premium (or the 'plus' in EUV+) is the second component of benchmark land value. It is the amount above existing use value (EUV) that goes to the landowner. The premium should provide a reasonable incentive for a land owner to bring forward land for development while allowing a sufficient contribution to comply with policy requirements.'

Table 1 sets out the broad parameters of the NPPF/G with respect to viability.

<u>Table 1</u>

NPPG	Requirement	Addressed At								
Para										
001	Proportionate assessment of viability	Para 3.8, Sections								
	that takes into account all relevant	3, 4 & 5 and								
	policies, and local and national	Appendix 2								
	standards including cost implications									
	of CIL and S106.									

003	Plan makers can use site typologies to determine viability at the plan making stage.	Section 3
	In some circumstances more detailed assessments may be necessary for particular areas or key sites on which the delivery of the plan relies.	Sections 4 & 5
005	Important to consider the specific circumstances of strategic sites.	Sections 4 & 5
006	Plan makers should engage with landowners, developers and infrastructure and affordable housing providers.	Undertaken in 2017
011	Gross Development Value (GDV)For residential development may be total sales and/or capitalised net rental income. For commercial development broad assessment of value in line with industry practice.	Section 3
	For broad-area wide or site typology assessment at the plan making stage average figures can be used.	Section 3
	For specific sites or development, market evidence from the actual site or from existing developments can be used.	Section 4 & 5
012	Costs should be identified at plan making stage. Costs include	
	Build costs Infrastructure costs and costs for external works Abnormal costs Site specific infrastructure	
	roncy requirements	

	General finance costs	
	Professional, project management,	
	sales, marketing and legal	
	Contingency where scheme specific	
	assessment is necessary	
014	Benchmark land value should:	
	Be based on EUV	Sections 3, 4 & 5
	Allow for a premium	
	Reflect development costs	
	Be informed by market evidence	
015	EUV can be establishedby assessing	Sections 3,4 & 5
	the value of the specific site or type of	
	site using published sources of	
	information such as agricultural or	
	industrial land values or if	
	appropriate capitalised rental levels at	
	an appropriate yield.	
016	Plan makers should establish a	Sections 3, 4 & 5
	reasonable premium to the landowner	
	for the purpose of assessing viability	
018	For the purpose of plan making an	Sections 3, 4 & 5
	assumption of 15-20% of GDV may be	
	considered a suitable return to	
	developers. A lower figure may be	
	more appropriate for affordable	
	housing.	
020	An Executive Summary should be	Section 6
	used to set out key findings of a	
	viability assessment in a clear way.	

Significance of the revised NPPF for viability and planning for housing

2.9 The revised NPPF and NPPG represent a watershed in the approach to viability. With the revised basis now EUV, the government has shifted the approach squarely back to the roots of the planning system and to the heart of the Section 106 process itself.

- 2.10 This (the Section 106 process) was always intended to capture planning gain and the increase in land value that emanates from the grant of planning permission. Indeed, there are numerous government statements and studies now attempting to re-focus the purpose of planning to this end.
- 2.11 A recent example is from the Letwin Review:

https://www.planningresource.co.uk/article/1496790/letwinreview-to-recommend-land-value-capture-measures

3 High Level Testing (HLT)

- 3.1 The Baseline Viability Report (January 2017) undertook what is known as 'High Level Testing' to assess the viability of a notional one hectare site, across a range of sub markets in the Borough.
- 3.2 The sub markets are shown in Map 1 below with the main impacts being felt in the Chertsey and Ottershaw areas.

Map 1 Sub Market areas



- 3.3 The analysis set out in the Baseline Viability Report takes the revenue for the notional one hectare site and considers the costs of development to arrive at a residual value. The approach is set out in full in Section 3 of the baseline report of 2017.
- 3.4 This updated analysis included in this Study looks at two different densities of potential housebuilding on new development sites; 30 and 40 dwellings per hectare, two medium densities reflecting family type housing. It also takes into account updated indicative new build selling prices as well as increased construction costs, since 2017.

Over the period house prices across Runnymede have fallen by around 3%.

- 3.5 The full assumptions used in the Update Study are set out in Appendix 1. The results are set out in the Table 2 below.
- 3.6 As in the baseline report of January 2017, the residual values here are very significant. At the top end (Wentworth) the residual values per hectare range between £16 and £23 million per hectare. At the lower end (Staines border) residual values per hectare range between £2 and £3 million.

<u>Table 2</u>

	RV per Hectare
30 dph	
Wentworth	£16,378,000
Virginia Water	£6,831,000
Englefield Green	£4,727,000
Ottershaw	£4,166,000
Woodham	£3,476,000
Chertsey	£3,190,000
Egham	£3,174,000
Addlestone	£2,475,000
Staines	£2,417,000
40 dph	
Wentworth	£22,590,000
Virginia Water	£9,802,000
Englefield Green	£6,526,000
Ottershaw	£5,753,000
Woodham	£4,810,000
Chertsey	£4,421,000
Egham	£4,397,000
Addlestone	£3,442,000
Staines	£3,271,000

- 3.7 It is important to stress that the residual values shown take account of:
 - 35% Affordable Housing in line with the Council's policy;

- A Section 106 contribution over and above Affordable Housing of £25,000 per dwelling reflecting the full range of the Council's other policy requirements and in particular sustainable design and renewable energy costs at £10,000 per dwelling.
- An allowance of 15% on construction costs for servicing of sites with all necessary utilities and external works.
- 3.8 The question for the Study is whether there is the potential for development sites to contribute reasonably and proportionately towards the costs associated with the A320 mitigation works required in association with development being allocated in the Local Plan whilst also meeting the full range of affordable housing and Section 106 costs in the Council's policies.
- 3.9 Set out below in Table 3 is an indication of the surpluses that would be available to contribute towards the A320 mitigation works.
- 3.10 Table 3 below shows the existing use value (EUV) for commercial land which the Council believe to be a 'fair marker' for the Borough given that many sites are being developed from brown field land.

Table 3Surpluses per hectare and per dwelling

	RV per Hectare	Commercial land	Surplus	Surplus
		EUV (Per Hectare)	(RV - EUV)	(RV - EUV)
			Per Hectare	Per Dwelling
30 dph				
Wentworth	£16,378,000	£2,000,000	£14,378,000	£479,267
Virginia Water	£6,831,000	£2,000,000	£4,831,000	£161,033
Englefield Green	£4,727,000	£2,000,000	£2,727,000	£90,900
Ottershaw	£4,166,000	£2,000,000	£2,166,000	£72,200
Woodham	£3,476,000	£2,000,000	£1,476,000	£49,200
Chertsey	£3,190,000	£2,000,000	£1,190,000	£39,667
Egham	£3,174,000	£2,000,000	£1,174,000	£39,133
Addlestone	£2,475,000	£2,000,000	£475,000	£15,833
Staines	£2,417,000	£2,000,000	£417,000	£13,900
40 dph				
Wentworth	£22,590,000	£2,000,000	£20,590,000	£514,750
Virginia Water	£9,802,000	£2,000,000	£7,802,000	£195,050
Englefield Green	£6,526,000	£2,000,000	£4,526,000	£113,150
Ottershaw	£5,753,000	£2,000,000	£3,753,000	£93,825
Woodham	£4,810,000	£2,000,000	£2,810,000	£70,250
Chertsey	£4,421,000	£2,000,000	£2,421,000	£60,525
Egham	£4,397,000	£2,000,000	£2,397,000	£59,925
Addlestone	£3,442,000	£2,000,000	£1,442,000	£36,050
Staines	£3,271,000	£2,000,000	£1,271,000	£31,775

- 3.11 The surpluses for both a per hectare and a per dwelling basis are shown in the right hand columns of the table.
- 3.12 On a per dwelling basis, the surpluses range from circa £14,000 per dwelling to circa £480,000 per dwelling if sites are developed at 30 dph and from circa £32,000 per dwelling to circa £515,000 per dwelling if sites are developed at 40 dph.
- 3.13 These are all very substantial surpluses and the Study is therefore able to conclude that the Council could look to fund the road costs substantially from development.

Key sites analysis

- 3.14 In terms of assessing the potential for development to deliver additional infrastructure, it is important to look at the key strategic sites in the Plan.
- 3.15 The Council's A320 North HIF bid identifies 11 development sites which are principally linked with the road construction works. Two of these sites have already been granted permission and are not considered further in this Study, however the Council has requested

that the commercial sites at Byfleet Road and Addlestone West are also tested.

These are:

Pycroft Road, Chertsey (Policy SL6)	– 275 dwellings;
Vets Lab Parcel B (Policy SL11)	– 150 dwellings;
Ottershaw East (Policy SL12)	– 200 dwellings;
Chertsey Bittams A (Policy SL14)	– 175 dwellings;
Chertsey Bittams B (Policy SL15)	– 120 dwellings;
Chertsey Bittams C (Policy SL16)	– 9 dwellings;
Chertsey Bittams D (Policy SL17)	– 125 dwellings;
Chertsey Bittams E (Policy SL18)	– 75 dwellings;
Longcross Garden Village	- (Policy SD10) – see section

5:

Viability assumptions

- 3.16 The assumptions used for the site specific analysis are based principally on those set out in the high level testing including the BCIS construction costs (with related adjustments), indicative new build values, and site specific infrastructure loading as estimated by the Council in Appendices 1 & 2.
- 3.17 The Council has also provided specific anticipated development mixes for each of the sites tested. These are also set out in Appendix 2.

4 Site analyses

Pycroft Road Chertsey (Policy SL6)

4.1 This site is located on the western side of Chertsey and is formed from four parcels of land at Chilsey Green Farm, Grange Farm, Grange Farm Retirement Home and St Ann's Lodge. The land is bordered to the north by Pycroft Road, to the south and east by existing housing and to the north and west by commercial development.

TOTAL NUMBER OF UNITS]		DENSITY (per hectare)			AFFORDABLE	UNITS	
Dwellings 275	1		Dwellings 39.0				Quantity	% of All Units
% Wheelchair Units						Total	96.3	35%
						Social rent	19.3	7%
						Intermediate	77.0	28%
REVENUE AND COSTS			RESIDUAL VALUE					
Total scheme revenue	£	113,684,093	Whole scheme	£	34,154,093			
Total scheme costs	£	79,530,000	Per hectare	£	4,838,000			
			Per dwelling	£	124,000			
Contribution to revenue from:			Per market dwelling	£	191,000			
Market housing	£	95,293,000						
Affordable Housing	£	18,391,093					,	
- Social rent	£	1,540,000	PUBLIC SUBSIDY (GRANT)			-		
- New Build HomeBuy	£	3,844,000	Whole Scheme			£ -		Save Results
- Intermediate Rent	£	7,425,000	Per Social Rental dwelling			£ -		_
- Discount Market	£	3,519,000	Per New Build HomeBuy dwel	ling		£-		View Results
- Local Sale	£	2,063,000	Per Intermediate Rent dwelling			£-	_	
Capital Contribution	£	•					C	ost Components
Commercial Elements	£	•						
Contribution to costs from:			Alternative Site Values			Against residual	V	iew DCF Page
Market housing	£	55,200,000	Exisiting Use Value	£	-	£ -		
Affordable Housing	£	18,860,000	Acquisition Cost	£	-	£-		
- Social rent	£	3,568,000	Alternative Use Value 1	£	-	£-		
- New Build HomeBuy	£	2,039,000	Alternative Use Value 2	£	-	£ -		
- Intermediate Rent	£	9,176,000	Alternative Use Value 3	£	-	£ -		
- Discount Market	£	2,548,000						
- Local Sale	£	1,529,000						Drevious Dane
Land Finance	£	-						Ficelous Page
Planning Obligations	£	4,970,000						
Total Exceptional Costs	£	500,000						
Commercial Elements	£	-						

- 4.2 The scheme generates a residual value of circa £35 million at 35% Affordable Housing, and with a Section 106 requirement (over and above Affordable Housing) of £18,071 per dwelling.
- 4.3 The existing use value of the land is largely garden/agricultural has EUV of circa £130,000. There are also three residential properties within the area which will increase the EUV, probably in excess of £2 million. Nevertheless the uplift even including the residential properties is very significant and will generate very large surplus for local infrastructure.

Vets Lab Parcel B (Policy SL11)

4.4 This site forms part of the Veterinary Laboratory site adjacent to the urban area of Row Town. The site itself is owned by DEFRA and is undeveloped. To the east of the site lies a strip of trees protected by a Tree Preservation Order, and the western boundary is formed by open fields and houses on Old Road. The southern boundary

comprises open fields, which are associated with DEFRA owned land, and to the north are houses on Leigh Close.

TOTAL NUMBER OF UNITS			DENSITY (per hectare)	1		AFFORDABLE	UNITS	
Dwellings 1	50		Dwellings 41.0				Quantity	% of All Units
% Wheelchair Units						Total	52.5	35%
						Social rent	10.5	7%
						Intermediate	42.0	28%
REVENUE AND COSTS		40.570.700	RESIDUAL VALUE		0.000 700			
Total scheme revenue	£	48,578,700	Whole scheme	£	9,088,700			
Total scheme costs	L	39,490,000	Per hectare	L C	2,483,000			
Contribution to revenue from:			Per dwelling	L C	01,000			
Contribution to revenue from.	0	30 031 000	Per market dwelling	L	93,000			
Market nousing	¢.	9 3/7 700						
Allordable Housing Social root	۰ ۴	3,341,100 840,000		_	_		1	
- Social renit	~ f	1 884 000	Whole Scheme			f -		
- Intermediate Rent	~ £	4 050 000	Per Social Rental dwelling			ہ 1 -		Save Results
- Discourt Market	~ f	1 449 000	Per New Build HomeBuy dwell	ina		~ £ -		
- Local Sale	£	1,125,000	Per Intermediate Rent dwelling	<u>9</u>		£ -		View Results
Capital Contribution	£							
Commercial Elements	£	-					C	Cost Components
Contribution to costs from:			Alternative Site Values			Against residual	V	/iew DCFPace
Market housing	£	26,080,000	Exisiting Use Value	£	-	£ -	-	
Affordable Housing	£	10,540,000	Acquisition Cost	£	-	£-		
- Social rent	£	2,042,000	Alternative Use Value 1	£	-	£ -		
- New Build HomeBuy	£	1,167,000	Alternative Use Value 2	£	-	£ -		
- Intermediate Rent	£	5,252,000	Alternative Use Value 3	£	-	£ -		
- Discount Market	£	1,204,000						
- Local Sale	£	875,000						Dentions Dates
Land Finance	£	-						Frevious Page
Planning Obligations	£	2,669,000						
Total Exceptional Costs	£	200,000						
Commercial Elements	£	-						

4.5 The scheme includes two traveller pitches.

- 4.6 The scheme generates a residual value of circa £9 million at 35% Affordable Housing, and with a Section 106 requirement (over and above Affordable Housing) of £17,796 per dwelling.
- 4.7 The current use value of this site equates to agricultural at around £87,000 which with a x20 premium gives a BLV of £1.74m, well below RLV.

Ottershaw East (Policy SL12)

- 4.8 This is a site located to the south east of Ottershaw. The site is planned for 200 dwellings on green field land. The site is 6.6 hectares in total and a high quality development is proposed.
- 4.9 The scheme includes two traveller pitches.

						_			
TOTAL NUMBER OF UNITS	DENSITY (per hectare)			AFFORDAB	LE	UNITS			
Dwellings 200			Dwellings 33.5					Quantity	% of All Units
% Wheelchair Units						Total		70.0	35%
						Social rent		24.0	12%
						Intermediate	_	46.0	23%
REVENUE AND COSTS	6	70 111 040	RESIDUAL VALUE	0	20 572 0/0				
Total scheme revenue	÷ ¢	50 530 000	Whole scheme	¢.	4 786 000				
Total scheme costs	~	00,000,000	Per nectare	÷ ¢	143,000				
Contribution to revenue from:	_		Per uwening Per market dwolling	~ £	220 000				
Market housing	£	68.547.000	Fermarketowening	~	220,000	1			
Affordable Housing	£	10,564,849							
- Social rent	£	1,920,000	PUBLIC SUBSIDY (GRAN	D				1	
- New Build HomeBuy	£	1,410,000	Whole Scheme	.,		£ -			
- Intermediate Rent	£	3,750,000	Per Social Rental dwelling			£ -			Save Results
- Discount Market	£	1,735,000	Per New Build HomeBuy dw	elling		£ -			
- Local Sale	£	1,750,000	Per Intermediate Rent dwellin	q		£ -			View Results
Capital Contribution	£	-							
Commercial Elements	£	-							ost Com ponents
Contribution to costs from:			Alternative Site Values			Against resid	lual	1	
Market housing	£	37,030,000	Exisiting Use Value	£	•	£ -			ew bor r age
Affordable Housing	£	9,210,000	Acquisition Cost	£	-	£ -			
- Social rent	£	3,258,000	Alternative Use Value 1	£	-	£ -			
- New Build HomeBuy	£	762.000	Alternative Use Value 2	£		£ -			
- Intermediate Rent	£	3,183,000	Alternative Use Value 3	£	-	£ -			
- Discount Market	£	1.245.000							
- Local Sale	£	762,000							
Land Finance	£	-							Previous Page
Planning Obligations	£	4,099,000							
Total Exceptional Costs	£	200,000							
Commercial Elements	£	-							

- 4.10 The scheme generates a residual value of circa £29 million at 35% Affordable Housing, and with a Section 106 requirement (over and above Affordable Housing) of £20,495 per dwelling.
- 4.11 The current use value of this site equates to agricultural at around £122,000 with a x 20 premium giving a BLV of £2.44m, well below RLV

Chertsey Bittams (Policies SL14, SL15, SL16, SL17 and SL18)

4.12 The Bittams sites will deliver effective infill development between (to the south) St Peter's Way, to the east (the M25) and to the west (Guildford Road). All sites are predominantly green field and thus have a very low existing use value.

Chertsey Bittams A includes five traveller pitches;

Chertsey Bittams B includes two traveller pitches;

Chertsey Bittams C includes 11 traveller pitches;

Chertsey Bittams A (Policy SL14)

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	1		DENSITY (per bectare)	1				
Dwollings			Dwollings 20.4			APPORDABLE		94 of All Linits
0% Wheelchair Linits			Dwemitys 38.1			Total	Guanuty 61.0	2504
70 Writeeichair Ohits	J					Social rent	21.0	12%
						Intermediate	40.0	23%
REVENUE AND COSTS	_		RESIDUAL VALUE	_		momodulo	40.0	2070
Total scheme revenue	£	62,060,750	Whole scheme	£	19,774,750			
Total scheme costs	£	42,286,000	Per hectare	£	4,308,000			
			Per dwelling	£	113,000			
Contribution to revenue from:			Per market dwelling	£	173,000			
Market housing	£	53,123,000						
Affordable Housing	£	8,937,750						
- Social rent	£	1,680,000	PUBLIC SUBSIDY (GRANT)					
- New Build HomeBuy	£	1,102,000	Whole Scheme			£-		Save Results
- Intermediate Rent	£	3,300,000	Per Social Rental dwelling			£ -	-	
- Discount Market	£	1,356,000	Per New Build HomeBuy dwel	ling		£ -		View Results
- Local Sale	£	1,500,000	Per Intermediate Rent dwelling			£ -	_	TOT TOOMS
Capital Contribution	£	-					(Cost Components
Commercial Elements	£							
Contribution to costs from:			Alternative Oite Values			Against residual		_
Contribution to costs from.	0	20.024.000	Alternative Site values	0		Against residual	١	/iew DCF Page
Market nousing	£	30,834,000	Existing Use Value	ž.	-	£ -	-	
Affordable Housing	£	8,059,000	Acquisition Cost	£	-	£ -		
- Social rent	£	2,876,000	Alternative Use Value 1	£	-	£ -		
- New Build HomeBuy	£	668,000	Alternative Use Value 2	£	-	£-		
- Intermediate Rent	£	2,800,000	Alternative Use Value 3	£	-	£-		
- Discount Market	£	1,047,000						
- Local Sale	£	668,000						Previous Page
Land Finance	£	-						- to vious r uge
Planning Obligations	£	2,893,000						
Total Exceptional Costs	£	500,000						
Commercial Elements	£	-						

- 4.13 The scheme generates a residual value of circa £20 million at 35% Affordable Housing, and with a Section 106 requirement (over and above Affordable Housing) of £16,529 per dwelling.
- 4.14 The current use value of this site equates to agricultural at around £129,500. Assuming a 20 fold return this would give a LVB of £2.6 million, again generating a very large surplus between existing use and residential.

Chertsey Bittams B (Policy SL15)

TOTAL NUMBER OF UNITS	1		DENSITY (per hectare)			AFFORDABLE	UNITS	
Dwellings 120			Dwellings 35.0				Quantity	% of All Units
% Wheelchair Units			· · · ·			Total	42.0	35%
						Social rent	14.0	12%
						Intermediate	28.0	23%
REVENUE AND COSTS			RESIDUAL VALUE					
Total scheme revenue	£	42,619,125	Whole scheme	£	13,496,125			
Total scheme costs	£	29,123,000	Per hectare	£	3,935,000			
			Per dwelling	£	112,000			
Contribution to revenue from:			Per market dwelling	£	173,000			
Market housing	£	36,401,000						
Affordable Housing	£	6,218,125						
- Social rent	£	1,120,000	PUBLIC SUBSIDY (GRANT)					
- New Build HomeBuy	£	918,000	Whole Scheme			£ -		Save Results
- Intermediate Rent	£	2,250,000	Per Social Rental dwelling			£-	_	
- Discount Market	£	930,000	Per New Build HomeBuy dwel	ing		£ -		View Recults
- Local Sale	£	1,000,000	Per Intermediate Rent dwelling			£ -	_	VICTORICS
Capital Contribution	£	-						ost Components
Commercial Elements	£	-					_	ost componente
Contribution to costs from:			Alternative Site Values			Against residual	V	iew DCF Page
Market housing	£	21,133,000	Exisiting Use Value	£	-	£ -	_	
Affordable Housing	£	5,536,000	Acquisition Cost	£	-	£-		
- Social rent	£	1,876,000	Alternative Use Value 1	£	-	£-		
- New Build HomeBuy	£	574,000	Alternative Use Value 2	£	-	£-		
- Intermediate Rent	£	1,923,000	Alternative Use Value 3	£	-	£ -		
- Discount Market	£	711,000						
- Local Sale	£	452,000						Drevious Dane
Land Finance	£	-						Ficelous Page
Planning Obligations	£	1,954,000						
Total Exceptional Costs	£	500,000						
Commercial Elements	£	-						

- 4.15 The scheme generates a residual value of circa £20 million at 35% Affordable Housing, and with a Section 106 requirement (over and above Affordable Housing) of £16,283 per dwelling.
- 4.16 The current use value of this site equates to agricultural at around £72,000, and at a 20 fold return to land owner, £1.4 million. The RV is £13.5 million, well above the LVB.

Chertsey Bittams C (Policy SL16)

TOTAL NUMBER OF UNITS			DENSITY (per hectare)	1		AFFORD	ABLE L	JNITS	
Dwellings	9		Dwellings 9.8	5				Quantity	% of All Units
% Wheelchair Units				-		Total			
						Social ren	t		
						Intermedia	ate		
REVENUE AND COSTS			RESIDUAL VALUE						
Total scheme revenue	£	4,454,000	Whole scheme	£	627,000				
Total scheme costs	£	3,827,000	Per hectare	£	660,000				
Contribution to revenue from:			Per dwelling	£	70,000				
Contribution to revenue from:	0	4 454 000	Per market dwelling	£	70,000				
Market nousing	х. 0	4,404,000							
Attordable Housing	۲. ۵			-	_	_	_		
- Social rent	e -		PUBLIC SUBSIDIT (GRANT)		¢			_
- New Bully Homebuy	~ ¢		Por Social Pontal dwalling			¢			Save Results
- Internediate rveni	e e		Per New Ruild HomeRuy dwe	lina		<u>ہ</u>			
- Discount Market	÷ £	-	Per Intermediate Rent dwellin	ann y		£	-		View Results
Canital Contribution	e F	-	r er mennediale rrent dweilin	9		~			
Commercial Elements	£	-							Cost Components
Contribution to costs from:			Alternative Site Values	_		Against re	sidual		View DCE Page
Market housing	£	2,555,000	Exisiting Use Value	£	-	£	-	-	view bor rage
Affordable Housing	£	-	Acquisition Cost	£	-	£	-		
- Social rent	£	-	Alternative Use Value 1	£	-	£	-		
- New Build HomeBuy	£	-	Alternative Use Value 2	£	-	£	-		
- Intermediate Rent	£	-	Alternative Use Value 3	£	-	£	-		
- Discount Market	£	-							
- Local Sale	£	-							Denting Deep
Land Finance	£	-							Previous Page
Planning Obligations	£	173,000							
Total Exceptional Costs	£	1,100,000							
Commercial Elements	£	-							

- 4.17 The scheme generates a residual value of circa £0.6 million at 0% Affordable Housing, and with a Section 106 requirement (over and above Affordable Housing) of £19,200 per dwelling.
- 4.18 The current use value of this site equates to agricultural at around $\pounds 24,000$, which, with a 20 fold return to land owner, generates a LVB of some $\pounds 0.48$ million.

Chertsey Bittams D (Policy SL17)

LOTAL NUMER OF UNITS Devellings 125 Dwellings 125 9% Wheekchair Units Dwellings 47.3 Dwellings 47.3 Dwellings 47.3 Privation of the state					1					
Liveiings 120 Liveiings 47.3 Cuanty 96 (All Onls) 96 Wheelchair Unts International (Control (Contro) (C	TOTAL NUMBER OF UNITS			DENSITY (per hectare)			AFFORDA	SLE L	JNITS	04 -64811-2
Revenue £ 44.0 35% Social rent 15.0 12% Intermediate 29.0 23% Revenue £ 43,963,125 Total scheme costs £ 29,555,000 Per dealing £ 14,408,125 Per dealing £ 15,000 Per dealing £ 178,000 Affordable Housing £ 1,200,000 - New Build HomeBuy £ 1,200,000 - Intermediate Rent £ 2,400,000 - Local Sale £ 1,000,000 - Der New Build HomeBuy £ - Per Intermediate Rent £ 2,400,000 - Local Sale £ 1,000,000 - Contribution to costs from: A Market housing £ 2,1,785,000 - Revealis Rental	Dweilings 125			Dweiings 47.3	J		Total		Quantity	% OT All Units
REVENUE AND COSTS Itermediate 10.0 12.% Total scheme revenue £ 43,963,125 Intermediate 29.0 2396 Total scheme costs £ 29,555,000 Per hectare £ 5,458,000 Contribution to revenue from: Market housing £ 37,515,000 Per dwelling £ 178,000 Adtrdable Housing £ 6,448,125 - Save Results - - Social rent £ 1,200,000 - Per Social Rental dwelling £ - - Intermediate Rent £ 2,400,000 - Per New Build HomeBuy £ - - Local Sale £ 1,000,000 - Per New Build HomeBuy dwelling £ - - Commercial Elements £ - - - Cost Components Market housing £ 5,821,000 - Acquistion Cost £ - - Commercial Elements £ - Acquistion Cost £ - Acquistion Cost £ - <td>70 Wheelchair Units</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Social rent</td> <td></td> <td>44.0</td> <td>30%</td>	70 Wheelchair Units						Social rent		44.0	30%
REVENUE AND COSTS Intermediale 23.0 20.0							Intermediate		20.0	0206
Internetive Production # 43,963,125 Internetive Production # 14,408,125 Total scheme revenue £ 43,963,125 Per hectare £ 5,458,000 Contribution to revenue from: Per hectare £ 5,458,000 Per dwelling £ 115,000 Market housing £ 37,515,000 Per market dwelling £ 178,000 Aftordable Housing £ 918,000 Per social rent £ - - Social rent £ 1,200,000 Per New Build HomeBuy £ - - Intermediate Rent £ 2,400,000 Per New Build HomeBuy dwelling £ - - Local Sale £ 1,000,000 Per Intermediate Rent dwelling £ - - Local Sale £ 1,000,000 Per Intermediate Rent dwelling £ - Contribution to costs from: Cost Components Aternative Site Values Against residual View DCF Page Affordable Housing £ 5,821,000 Aternative Use Value £ £ -	REVENUE AND COSTS	_		RESIDUAL VALUE	_		Internetiate		23.0	2070
Total scheme costs £ 29,555,000 Per hectare £ 5,458,000 Per dwelling £ 115,000 Per dwelling £ 178,000 Arket housing £ 37,515,000 Affordable Housing £ 37,515,000 Affordable Housing £ 1,200,000 • New Build HomeBuy £ 918,000 • Intermediate Rent £ 2,400,000 • Local Sale £ 1,000,000 Contribution to costs from: Per Intermediate Rent dwelling £ Contribution to costs from: Atternative Site Values Against residual Market housing £ 2,1785,000 Atternative Site Values Against residual View DCF Page Atternative Use Value £ - Atternative Use Value £ • New Build HomeBuy £ 5,74,000 Atternative Use Value 2 £ - • New Build HomeBuy £ 711,000 - Atternative Use Value 3 £ - • Intermediate Rent £	Total scheme revenue	£	43,963,125	Whole scheme	£	14,408,125				
Contribution to revenue from: Per dwelling £ 115,000 Market housing £ 37,515,000 £ 178,000 Atfordable Housing £ 37,515,000 £ 178,000 Atfordable Housing £ 6,448,125 . . Social rent £ 1,200,000 - Intermediate Rent £ 2,400,000 - Local Sale £ 1,000,000 Contribution £ - Contribution £ - . </td <td>Total scheme costs</td> <td>£</td> <td>29,555,000</td> <td>Per hectare</td> <td>£</td> <td>5,458,000</td> <td></td> <td></td> <td></td> <td></td>	Total scheme costs	£	29,555,000	Per hectare	£	5,458,000				
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- Intermediate Rent £ 2,042,000 - Discount Market £ 711,000 - Local Sale £ 452,000 Land Finance £ -	- New Build HomeBuy	£	574,000	Alternative Use Value 2	£	-	£	-		
- Discount Market £ 711,000 - Local Sale £ 452,000 Land Finance £ -	- Intermediate Rent	£	2,042,000	Alternative Use Value 3	£	-	£	-		
- Local Sale £ 452,000 Land Finance £ -	- Discount Market	£	711,000							
Land Finance £ -	- Local Sale	£	452,000							Day days Days
	Land Finance	£	-							Previous Page
Planning Obligations £ 1,949,000	Planning Obligations	£	1,949,000							
Total Exceptional Costs £ -	Total Exceptional Costs	£	-							
Commercial Elements £ -	Commercial Elements	£	-							

- 4.19 The scheme generates a residual value of circa £14 million at 35% Affordable Housing, and with a Section 106 requirement (over and above Affordable Housing) of £16,595 per dwelling.
- 4.20 The current use value of this site equates to agricultural at around $\pounds 53,000$. Assuming a 20 fold return to land owner, the LVB will be circa £1 million.

TOTAL NUMBER OF UNITS			DENSITY (per hectare)			AFFORDABLE	UNITS	
Dwellings 78			Dwellings 42.6				Quantity	% of All Units
% Wheelchair Units						Total	26.0	35%
						Social rent	9.0	12%
						Intermediate	17.0	23%
REVENUE AND COSTS	0	26 202 275	RESIDUAL VALUE	¢	0.066.975			
Total scheme revenue	¢.	17 736 000	Por hostaro	۰ ۶	5 152 000			
Total scheme costs	~	11,100,000	Per riectare Por dwolling	ہ۔ ج	121 000			
Contribution to revenue from:	_		Per weiling Per market dwelling	~ £	185 000			
Market housing	£	23 006 000	Per market dwelling	~	100,000			
Affordable Housing	£	3,796,875						
- Social rent	£	720.000	PUBLIC SUBSIDY (GRANT				1	
- New Build HomeBuy	£	551,000	Whole Scheme			£-		
- Intermediate Rent	£	1.350.000	Per Social Rental dwelling			£-		Save Results
- Discount Market	£	426.000	Per New Build HomeBuy dwel	lina		£ -		
- Local Sale	£	750,000	Per Intermediate Rent dwelling			£ -		View Results
Capital Contribution	£	-						
Commercial Elements	£	-					C	Cost Components
Contribution to costs from:			Alternative Site Values			Against residual	l v	few DCE Page
Market housing	£	13,339,000	Exisiting Use Value	£	-	£-	1 -	icw bor ruge
Affordable Housing	£	3,339,000	Acquisition Cost	£	-	£-	1	
- Social rent	£	1,216,000	Alternative Use Value 1	£	-	£ -	1	
- New Build HomeBuy	£	311,000	Alternative Use Value 2	£	-	£ -		
- Intermediate Rent	£	1,165,000	Alternative Use Value 3	£	-	£ -		
- Discount Market	£	336,000					3	
- Local Sale	£	311,000						
Land Finance	£	-						Previous Page
Planning Obligations	£	1,059,000						
Total Exceptional Costs	£	-						
Commercial Elements	£	-						

Chertsey Bittams E (Policy SL18)

- 4.21 The scheme generates a residual value of circa £9 million at 35% Affordable Housing, and with a Section 106 requirement (over and above Affordable Housing) of £14,118 per dwelling.
- 4.22 The current use value of this site equates to agricultural at around £44,000, giving a LVB (20 fold agricultural) of circa £900,000.

Summary of results

4.27 Table 4 over page summarises the results of the updated analysis for key sites:

Table 4Results

	Residual Value	Affordable	S106	EUV	Multiple	Surplus	No of Dwellings	Surplus
		Housing	Other		Agricultural	(RV · EUV)		(RV · EUV)
		(%)	Contributions		(where applic)	Per Hectare		Per Dwelling
			(Per Dwelling)		(X20)			
Chilsey Farm	£34,154,000	35	£18,071	£2,100,000	£2,100,000	£32,054,000	275	£116,560
Vets Lab Site	£9,088,700	35	£17,796	£87,000	£1,740,000	£7,348,700	150	£48,991
Ottershaw East	£28,572,849	35	£20,495	£122,000	£2,440,000	£26,132,849	200	£130,664
CB A	£19,774,700	35	£16,529	£129,500	£2,590,000	£17,184,700	175	£98,198
CB B	£13,496,125	35	£16,283	£72,000	£1,440,000	£12,056,125	120	£100,468
CB C	£627,000	35	£19,200	£24,000	£480,000	£147,000	9	£16,333.33
CB D	£14,408,125	35	£16,595	£53,000	£1,060,000	£13,348,125	125	£106,785
CB E	£9,088,875	35	£14,118	£44,000	£880,000	£8,208,875	75	£109,451.67

- 4.28 The site specific analysis suggests, consistent with the high level testing, that significant surpluses are likely to be generated in association with development.
- 4.29 The level of surplus generated provides considerable scope for development to contribute reasonably and proportionately towards the costs of highway mitigation works proposed for the A320.

5 Longcross Garden Village

- 5.1 A key site in the delivery of the Council's housing development and associated commercial property is the Longcross Garden Village (LGV) site. This site is underway but the Council wishes to know, in the light of the potential additional works to the A320 whether there is scope for this site to make further contributions. This report reflects several stages of progress towards reaching agreement on viability including an initial analysis by AGA, updating of policy requirements by RBC (as of August 2019), a meeting between the viability consultants for Crest, AGA and the Council, and further exchanges of data and information between AGA and Crest. This report does not reflect a final viability outcome, but attempts to demonstrate at examination, the key issues affecting policy, delivery and competitive return.
- 5.2 The site is split into two areas, North and South Longcross, separated by the M3 Motorway:



5.3 The AECOM feasibility report (December 2017) states that the 'north site covers 40.5 ha and is masterplanned for approximately 200 homes and 79,000 sq.m of employment space plus a 36,000sq.m data centre. Planning permission was granted in 2014 for the first phase of 108 of the 200 homes, the construction of which has already Runnymede A320 Impact Viability Study Page 25|71

begun. This initial phase of the development began prior to Longcross's designation as a Garden Village. Applications for the second phase have now been approved for 88 homes, 16,765sqm of B1a office floorspace and a focal/'Discovery' building of 1,265 sqm comprising a mix of A1-A5, B1, D1 & D2 uses.

- 5.4 The larger, southern section of the site (82.5ha adjacent to the M3 motorway) has currently been masterplanned to the level of a site-wide development framework, which the developer published in 2012 (also prior to Garden Village designation). Crest, as the site promoter, are proposing some 1360 dwellings for this part of the site along with commercial units. The north and south sites will be linked over the motorway via two pedestrian-vehicle bridges.'
- 5.5 The indicative masterplan for the south part of the site is shown below:



5.6 The Council estimates that the site yields 72.3 hectares of net developable area.

5.7 The Council's Locally Led Garden Villages Expression of Interest bid document states that the site forming the village 'is the former Runnymede A320 Impact Viability Study Page 26|71 Defence Establishment Research Agency (DERA) site, now in use as film studios and which is a previously or partially previously developed site in the Green Belt. There are two distinct parcels of land which form the former DERA site which are bisected by the M3 motorway'.

The economics of the northern part of the site are not assessed here. It is understood that there is additional development for the private rented sector, with some 240 dwellings proposed. The precise viability will need to be dealt with separately. The NPPF makes provision for a separate analysis of private rented versus open market sales approach. However, at face value, I can't see why these units would necessarily generate a significantly different outcome in terms of the Section 106 contribution to that on the south site. This statement is of course subject to further analysis.

5.8 The Council has looked at a range of options for phasing the south part of the site with which this section of the report is concerned. . Initially two main options were considered:

Option 1:

Between 2023/4 to 2025/6 Between 2026/7 to 2028/9 Between 2029/30 and 2031/2.

Option 2:

Between 2023/4 to 2025/6 Between 2026/7 to 2028/9 2029/30.

5.9 It was subsequently agreed however that the trajectory for delivery should reflect Crest's expectations for the site as well as the Council's Local Plan period. The revisions ensure that all units are delivered within the Plan period to 2030, as follows:

Year	Longcross South
2021/2022	50
2022/2023	150
2023/2024	150
2024/2025	170
2025/2026	175
2026/2027	175
2027/2028	150
2028/2029	150
2029/2030	150
Total	1320

5.10 The planned phasing is shown below and reflects the Council's updated requirements from 27th August 2019:

Phase	Expected	Other floorspace	Infrastructure Costs
	Residential		
	Completions		
2021/22 to	350 dwellings	A1Foodstore – 500sqm	Off-site highway works £13.25m
2023/24	10 Travelling	A1-A5 Flexible –	Longcross Station Improvements
	Showperson plots	500sqm	£10m
		A4 (Pub) – 770sqm	Bus Service £0.88m
		B1 – 300sqm	M3 Bridge Improvements £1m
		C2 – 3,700sqm care	On-site 2FE Primary School @
		home (60 units of extra	£9.3m
		care)	Off-site secondary contribution
		C1 - 150 bed 4* hotel	@£2.09
			Health £412,655
			Community - £319k
			On-site SANG@£4.38m
			SAMM@£0.97m
			Sports/Playing Pitches - £1.91m
			Allotments - £89k
			Equipped Playspace - £1.35m
			Informal Playspace - £195k
2024/25 to	520 dwellings	None	Off-site secondary contribution
2026/27			@£1.39m
			Health £275,103
			Allotments - £89k
			Equipped Playspace - £0.89m

			Informal Playspace - £130k
2027/28 to 2029/30	450 dwellings	None	Off-site secondary contribution @£1.16m Health £229,253 Equipped Playspace - £0.75m Informal Playspace - £109k Stewardship of Community Assets £1m

- 5.11 Please note that the table above related initially to 1532 dwellings. I have brought forward the dates and dwelling trajectory to within the Plan period whilst maintaining the infrastructure planning as originally envisaged under the 1532 scheme. I don't believe that this makes a significant difference to the overall conclusions on viability although the figures are subject to further adjustment where agreed by all parties. The total contributions amount to £52.2 million.
- 5.12 The phasing assumes front loading of the commercial development on Longcross South, as well as a significant proportion of the infrastructure requirements on the site. The phasing of the dwellings is also highlighted.

Approach to viability assessment of the Longcross site

- 5.13 The approach to viability assessment here is in essence the same in principle to that for other sites. That is to say a residual development appraisal where costs are deducted from values and the residual then compared against the land value benchmark.
- 5.14 With sites that are to be phased, the NPPF allows for phasing to be taken into account, where 'front' or 'back' loading of development can be taken into account, alongside the possibility to make explicit assumptions about the development of values and costs over time. It is agreed with the applicants that the baseline appraisal should make the foundation for the viability appraisal, where values and costs are looked at in the current climate.
- 5.15 For the purposes of clarity I have used the GLA Toolkit which allows for both a 'static' or non-phased approach to be used, as well as the Discounting Function (DF), where the building programme is made explicit in the calculations.
- 5.16 The DF measures the flow of income and cost on a year by year basis and arrives, for each year, at an annual residual value. These

residuals are then discounted by a factor to reflect inflation or, for example the opportunity cost of money invested in a site. The DF then provides a net present value for the site which is the residual and hence what should be paid for the site.

- 5.17 If phasing is evened out on a year by year basis, and there are no cost or value inflation or deflation assumptions, then the DF provides the same residual as for the static model result.
- 5.18 By comparing the static result with the phased result it is possible to see how front loaded costs for example are impacting on overall viability. This is because the model adds finance costs where a particular year yields a deficit between values and costs, and adds interest to the finance where values exceed cost for any given year.
- 5.19 It is important to stress that the DF approach is sensitive to the assumptions made about changes in values and costs. Over the long run (since 1979), according to the Nationwide House Price index nationally, prices have risen at around 7% per annum, so while this is the historic position, this looks challenging in the current Brexit climate. Costs are more predictable and a 5% increase on an annual basis (RICS BCIS figures) looks a fair assumption.
- 5.20 The full approach using the DF is given in the GLA Toolkit Guidance Notes.

Key data input assumptions for the LGV site

Gross development value

- 5.21 The selling prices for the dwellings are subject to a number of factors including the location, the rate of sale and competition from other sites. This is difficult to assess precisely and the Council should monitor viability throughout the scheme. I have adopted the Ottershaw sub market indicative selling prices (as for the HLT). This is consistent with the AECOM approach in 2017. The site is not too far away from the Virginia Water sub market, where prices are significantly higher. However, this is a large site, and I can't see that prices will reach those being achieved in that (Virginia Water) location.
- 5.22 The table below summarises the prices on a per square metre basis from AGA's initial review, noting points raised by the developer.

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Dwelling Type	Prices	Sq M	Price per Sq M	Prices • Mid Point	Sq M	Price per Sq M	Difference
	Ottershaw Sub Market			LGV North Sold Prices	Projected LGV South		
1 Bed Flats	£249,000	50	£4,980	£295,000	53	£5,577	89
2 Bed Flats	£355,000	68	£5,259	£387,000	72	£5,360	98
2 Bed Houses	£463,000	78	£5,974	£477,500	78	£6,153	97
3 Bed Houses	£548,000	91	£6,055	£630,000	103	£6,105	99
4 Bed Houses	£724,000	120	£6,033	£882,000	146	£6,033	100

- 5.23 The information provided by Crest has been summarised by taking a mid-point selling price from the development in North Longcross and dividing that by the proposed unit sizes for the dwellings on the south part of the site.
- 5.24 With the single exception of one bed flats, this shows a very close correlation between the Council's own Local Plan analysis (Ottershaw as the sub market) and the sales prices achieved at Longcross.
- 5.25 The table below sets out prices which AGA considers to reflect a fair position between Crest and the Council in terms of projected GDP:

Dwelling Types	Price per Sq M	Sq M	Selling Price
		Crest Phase 2	
1 Bed Flats	£5,577	53	£295,000
2 Bed Flats	£5,259	72	£379,719
3 Bed Flats	Bed Flats £5,500		£1,015,300
2 Bed Houses	£5,974	78	£463,597
3 Bed Houses	£6,055	103	£625,507
4 Bed Houses	£6,033	146	£882,073
5 Bed Houses	£6,000	253	£1,518,600
	Estimates		

5.26 I have adopted these prices in my appraisal.

Affordable Housing revenue

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- 5.27 My current assessment of the value of Affordable Housing is around £2,420 per square metre. This takes into account considerable value by a large proportion of the Affordable element being Intermediate; Shared Ownership Housing here is likely to be valued at a high rate.
- 5.28 The information provided by Turner Morum on behalf of the developer suggests that Affordable Housing should be valued at £1,786 per square metre.
- 5.29 This difference is significant but falls far short of being significant to the overall conclusion on viability (it amounts to some £23 million).
- 5.30 It is accepted that Affordable Housing will be subject to housing association offers as well as to the final mix of development agreed upon.

Construction costs

5.31 The starting point for costs, in the absence of further information, should be BCIS. I have followed this approach, as it is consistent with the HLT and the assessment of other large sites. However in this case, I have adjusted costs using the BCIS Scale Factor. As follows:



5.32 This (above) allows an estimated contract sum to be adjusted for any given scheme. The chart above suggests that although there are

economies of scale, these tend to level out at contracts of around £20 million.

5.33 Given that this scheme will have a contract sum of circa £200 million I feel that it is not unreasonable to make a deduction of 15% to take account of economies of scale. The estimated (and updated to August 2019) costs) are shown below:

Q2 2019	Baseline - Median BCIS	Externals and Utilities	Sub Total (1)	Runnymede Factor	Sub Total (2)	Scale Factor	Working Cost (per Sq M)
2 Storey Houses	£1,204	£181	£1,385	£208	£1,592	0.85	£1,353
Low Rise Flats	£1,373	£206	£1,579	£237	£1,816	0.85	£1,543

5.34 The calculations for the Scale Factor are shown below:

	Units	Unit Size	Floor Areas	At (per Sq M)	Totals
1 Bed Flats	109	52.9	5766		
2 Bed Flats	331	72.2	23898		
3 Bed Flats	3	184.6	554		
			30218	1543	£46,626,528
2 Bed Houses	249	77.61	19325		
3 Bed Houses	427	103.28	44101		
4 Bed Houses	199	146.18	29090		
5 Bed Houses	42	253.05	10628		
	1360		103143	1353	£139,552,980
Total					£186,179,508

Infrastructure/Abnormal costs

5.35 The developer, via Turner Morum, have set out to AGA a list of what are termed 'Infrastructure/Abnormals'; as follows:

Item	Amount	Reason	Allow
Enabling Works (Decontam, Demo, earthwor	£21,000,000	83 Hectares - Amounts to £250,000 per Ha - Very High - Allow £100,000 per Ha	£8,300,000
Highways 278	£4,000,000	Covered in Section 106	
On Site Highways	£17,000,000	Covered in Externals Works	
On Site Cycle Routes	£850,000	Covered in Section 106	
Surface Water Drainage	£4,600,000	Covered in Externals Works	
Foul Water Drainage	£10,500,000	Covered in Externals Works	
Utilities	£6,100,000	Covered in Externals Works	
Ecological Mitigation	£1,500,000	Covered in Section 106	
Public Open Space	£9,500,000	Covered in Section 106	
Landscaping	£150,000	Covered in Section 106	
Community Facilities	£1,750,000	Covered in Section 106	
Highways	£4,000,000	Covered in Section 106	
Prelims	£2,700,000	Covered in BCIS Baseline	
Strategic Planning	£400,000	Covered in fees	
Site Investigations	£1,100,000	Covered in fees	
Site Supervision	£2,600,000	Covered in Prelims/BCIS	
Project Management	£2,100,000	Covered in fees	
Contingency	£4,500,000	Disallow (unless allow for Revenue)	
Total	£94,350,000		
			£8,300,000
Total Allowed			

- 5.36 I understand that the Council are prepared in principle to accept that these items are likely to be necessary to make the development work. However, many are also covered in the list of Section 106 requirements which are itemised separately.
- 5.37 I accept that there will be some enabling works for a site like this, although not, I believe, on the scale claimed in the Turner Morum list supplied on behalf of the developer.
- 5.38 I am aware however, that there are some uncertainties with respect to what the industry standard 15% covers and with larger sites infrastructure connections will not fully cover the whole area.
- 5.39 I have made an allowance of £10 million for this, calculated as follows:

Dwellings	DPH	
1360	35	38.857143
Infrastructure Costs per Ha		200000
Cost		£7,771,429

Allow	£10,000,000
-------	-------------

Ground rents for flats

- 5.40 There will be a ground rent on the flats included within the scheme. Calculated as follows:
 - 430 flats, at say £300 ground rent per annum = rental income of £129,000. Capitalised at 5%, giving a capital value of £2,580,000.
- 5.42 This assumption may need to be agreed still with Crest.

Development mix and tenure

- 5.43 The Council initially anticipated a policy compliant mix as follows:
 - 65% Market Housing

35% Affordable Housing split as: -

- 60% Affordable Rent;
- 10% Social Rent;
- 15% Shared Ownership;
- 15% Starter Homes.
- 5.44 The precise split which was initially anticipated is shown in the screenshot below housing mix for 1,500 units:
| ł | I | Tenure Mix | | Ľ | | | | | | | | Clear |
|---|------|--------------------------------------|------------|---|-------|------------------|--------------|---------------------|----------------------|--------------------|-------------|--------------------|
| ' | You | can distribute units across the tenu | res in two |) | | | | | | | | |
| | way | 5: [] Input by Percentages | | | | | _ | Affordat | le Units | _ | | |
| | | Input by Quantity | | | Sale | Low Cost
Sale | Equity Share | Shared
Ownership | Intermediate
Rent | Affordable
Rent | Social Rent | Units
allocated |
| | | Total units to enter: | 1532 | | 65% | 3% | 3% | 5% | | 21% | 4% | 100% |
| | | Total units entered: | 1532 | | 993.0 | 41.0 | 41.0 | 83.0 | | 318.0 | 56.0 | 1532.0 |
| | Ref. | Description | Units | | | | | | | | | |
| | 1 | One Bed Flats | 148 | | 50.0 | 21.0 | 22.0 | 41.0 | | | 14.0 | 148.0 |
| | 2 | Two Bed Flats | 309 | | 149.0 | 10.0 | 10.0 | 21.0 | | 106.0 | 13.0 | 309.0 |
| | 3 | 2 Bed Houses | 302 | | 148.0 | 10.0 | 9.0 | 21.0 | | 102.0 | 12.0 | 302.0 |
| | 4 | 3 Bed Houses | 573 | | 446.0 | | | | | 110.0 | 17.0 | 573.0 |
| | 5 | 4 Bed Houses | 200 | | 200.0 | | | | | | | 200.0 |

5.45 The developer has also supplied AGA with its current view of a preferred housing mix – as set out in the left half of the table:

	Cı	rest Proposed			RBC Preferre	ed	
	Units	TotalUnits	Percentages	Units	Total Units	Percentages	% Difference
1 Bed Flats	90	1360	6.62	148	1532	9.66	3.04
2 Bed Flats	391	1360	28.75	309	1532	20.17	- <mark>8.5</mark> 8
3 Bed Flats	5	1360	0.37	0	1532	0.00	-0.37
2 Bed Houses	231	1360	16.99	302	1532	19.71	2.73
3 Bed Houses	359	1360	26.40	573	1532	37.40	11.01
4 Bed Houses	196	1360	14.41	200	1532	13.05	-1.36
5 Bed Houses	88	1360	6.47	0	1532	0.00	-6.47
Total	1360		100.00	1532		100.00	

5.46 This shows a very close fits between the two expectations. The main difference is the greater percentage of two bed flats in the Crest mix and the greater percentage of three bed houses in the RBC mix. The

differences are also affected by the inclusion of five bed dwellings in the Crest mix which are not included in the Council's mix.

5.47 Running with one or the other mix in a rigid fashion at this stage is, I believe, an incorrect approach. It is more practical to see a sensible (mid-point) compromise which can be honed at final application stage. To this end, I suggest the following mix, at the policy compliant Affordable Housing position and is based in the 1320 units:

		Mid Point	Mix	Market		Af	fordable			
	Units	Total Units	Percentages		LCS	ES	SO	AR	SR	Total Check
1 Bed Flats	109	1360	8.01	34	16	16	29	0	11	106
2 Bed Flats	331	1360	24.34	154	10	10	19	111	17	321
3 Bed Flats	3	1360	0.22	3	0	0	0	0	0	3
2 Bed Houses	249	1360	18.31	116	9	9	19	80	9	242
3 Bed Houses	427	1360	31.40	319	0	0	0	82	13	414
4 Bed Houses	199	1360	14.63	193	0	0	0	0	0	193
5 Bed Houses	42	1360	3.09	41	0	0	0	0	0	41
Total	1360		100.00	860	35	35	67	273	50	1320
				860	35	35	67	273	50	
				1320	1320	1320	1320	1320	1320	
Percentages				65.15	2.65	2.65	5.08	20.68	3.79	100.00

Suggested mid point mix:

5.48 I have adopted the mix in the red data.

Unit sizes

5.49 I have adopted the unit sizes suggested by Turner Morum on behalf of the developer:

	Units	Unit Size
1 Bed Flats	109	52.9
2 Bed Flats	331	72.2
3 Bed Flats	3	184.6
2 Bed Houses	249	77.61
3 Bed Houses	427	103.28
4 Bed Houses	199	146.18
5 Bed Houses	42	253.05

Commercial property element

5.50 The applicants have confirmed the proposed areas for the south site, which are set out in the table below. As previously, it should be stressed that this element is intrinsically difficult to project viability for, not least because the current mix is uncertain in terms of its users, operators, nature and quality.

Use	Use Class	GIA	Residual Land
		ft2	Value
Food / convenience store	A1	5,382	108,546
Small retail units	A1, A2, A3, A4, A5	5,382	(304,189)
Pub	A4	8,288	500,000
Office units	B1	3,229	(101,353)
Care Home	C2	39,827	1,200,000
Health centre	D1	5,382	625,000
Nursery school	D1	5,382	400,000
Total Non-Residential		72,872	2,428,004

Longcross South Commercial District:

- 5.51 I have adopted a range of assumptions based on market reports, web based sources and local authority viability assessments. I have taken BCIS tender prices for typical end uses assumed here.
- 5.52 The table below (from the Toolkit) sets out the results

Contribution from Commercial Elements		•										C	Clea
This page allows the user to input data relati complete the white boxes relating to size of s need to be inputted	ing to schem	a commercial ne, rent, yield	pro and	operty element (d capital value.	ofa Ina	scheme. The iddition cost re	use lateo	r will need to d data will					
Revenues		Office		Industrial		Retail		Hotel	Leis it	sure/Commun y Services	0	her]
Net area in Sq. m		500		300		500				770			٦
Rent (£ per sq.m per annum)	£	200.00	£	200.00	£	300.00			£	250.00			
Yield (%)		6.0%		7.0%		5.0%				5.0%			
Capital value	£	1,666,667	£	857,143	£	3,000,000	£	-	£	3,850,000	£	-	
Costs													
Gross Internal Area in Sq. m		500		300		500				770			٦
Build costs (£ per GIA sq m)	£	2,000	£	2,000	£	1,750			£	2,250			
Professional fees (% of Build Costs)		12.00%		12.00%		12.00%				12.00%			
Interest Rate (% of Build Costs)		6%		6%		6%				6%			
Marketing fees (% of Capital Value)		3%		2%		2%				3%			
Return (% of Capital Value)		20%		15%		15%				20%			
Total build costs	£	1,000,000	£	600,000	£	875,000	£	-	£	1,732,500	£	-	
Professional, other fees and finance costs	£	230,000	£	125,143	£	217,500	£	-	£	427,350	£	-	
Return	£	333,333	£	128,571	£	450,000	£	-	£	770,000	£	-	
Total development costs	£	1,563,333	£	853,714	£	1,542,500	£	-	£	2,929,850	£	-	
Site value for commercial element	£	103,333	£	3,429	£	1,457,500	£		£	920,150	£	-	
Total site value for all commercial Elements	£	2.484.412											

5.53 Critically this latest submission from Crest does not include a hotel. This reduces the overall viability of the commercial element significantly. I agree with Turner Morum on behalf of the developer, that the residual values for offices and smaller retail may be marginal. However I think the valuation for the convenience store and the care home are too low.

5.54 My calculations for the care home are set out in the table l	below:
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https://content.knightfrank.com/resource	s/knightfrank.co.uk/co	mmercial/brochu	re/kf care-ho	omes-perf-r	eport-201	3.pdf
a						
Care Home						
Cross Income ner reem	626.000					
Gross income per room	E30,000					
EBITDARM AT 30%	£10,800					
	210,000					
Yield	6					
YP in Perp	16.66					
cv	£179,928					
See Old a se Unit	0100.000					
Say CV per Unit	£180,000					
Net Area - 25 So M per Poom	25					
Total Net Area (see below)	2405					
No of Rooms	962					
Sav 100	100					
54, 200						
Total CV	£18,000,000					
Costs						
Floor Area - Total - Sq M (GIA)	3700					
POID OL Landa (Para Calve)						
BCIS GIA costs (Per Sq M)	2000					
Total Construction Costs	£7.400.000					
Total Colisti ucuoli Costs	L7,400,000					
Fees at 12%	£888.000					
Finance at 6%	£497,280					
Marketing (3% GDV)	£540,000					
Developer Margin at 15% of GDV	£2,700,000					
Total Development Costs	£12,025,280					
Pecidual Value	£5.074.720					
Residual value	10,974,720					
Sav	£6,000,000					
Jay	20,000,000					

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- 5.55 The calculation is probably most sensitive to the nature of the care home developed. There are some 150 beds predicted and these will generate substantial value. The care home will also have significant value, although this will depend on the manner of disposal, and in particular, whether it is valued as an 'up and running' concern or whether it is marketed speculatively.
- 5.56 The commercial element overall is likely to have a positive impact on the overall scheme, although the precise timing will have an effect on the cash flow appraisal. That being said, I don't anticipate that the timing will be significant in the big picture of viability as the commercial floor space is a relatively small constituent of the overall scheme.

I agree the valuations on the health centre and the nursery school. The residual values for these elements and the care home have been entered as a capital contribution in the Toolkit appraisal.

Results

5.57 The results are presented in a similar form to previously, using the static viability approach, although also here with the additional discounting results.

Static approach

5.58 The screenshot below shows the result of the static appraisal for the 1320 units and associated commercial development.

Results										
Sito I	ongeroes Ge	rdon Villago 1220 Dwolli	nac		Sito Doforono	o Numbor	1			
Address T	Engligeross Ge	agrood E Mailk 20th Aug 2	nys - 2010 - Erom		Sile Reference				Save	Results
Address	agectory as	agreed L Maik 2301 Aug 2			Application N	umber				
Scriene	320 Dwelling	is with Range of Commerc	a		NEOD Rei. N					I
Description	Jevelopment				UPRN of Gr	d Ref.			View	Results
RESIDUAL hoforo lon	d financo	£100 378 000		ште		per ha	1		Disco	unting
RESIDUAL Debre lan	finance	£190,276,000	No. of Dwollin	110	1220	10			Fun	ction
Per hertare	indrice	£1,252,000 £1,916,000	No. of Habitable rooms		4727	65				
Per dwelling		21,010,000	No. of Podroomo		3460	40				
Per market dwelling		£153,000	Total foorsna	/m2)	129 472	40			Floor	Space
Per habitable room		£100,000	% Wheelchai	r Unite	120,112	1731	J		An	alysis
Per hedenace		£20,000	76 Wheelcha	r onits						
100000000000000000000000000000000000000								Costs	Analysis	
SCHEME REVENUE £661,984,000			LAND FINA	NCE						
Contribution to revenue from:		Total land finance			£58,9	86,000		Child O	ccupancy	
Aarket housing £557,369,000								& Be	drooms	
Affordable Housing £85,636,0		£85,636,000								
- Low Cost Sale		£8,750,000	AFFORDAB	LE UNITS						
- Equity Share		£8,995,000		Low Cost	Equity	Shared	Intermediate	Affordable	Social Rent	Total
- Shared Ownership)	£22,941,000								
- Intermediate Rent			Units	35	35	67		273	50	460
- Affordable Rent		£40,950,000	Units %	3%	3%	5%		21%	4%	35%
- Social Rent		£4,000,000	Hab rooms	2%	2%	4%		19%	3%	30%
Grant			Bedrooms							
Capital Contribution		£9,605,000	Persons	2%	2%	4%		19%	3%	30%
Commercial Elements		£9,374,000	Floorspace	2%	2%	3%		18%	3%	27%
SCHEME COSTS		6471 706 000						1		
Contribution to costs fro		2471,700,000	Whole scho		111)	¢				
Market housing	/11.	6312 944 000	Por Social Re	ant dwolling		~ ¢	-			
Affordable Housing		£81,404,000	Per Shared (Jwnershin du	vellina	÷.	-			
- Low Cost Salo		£7 700 000	Per Intermodi	isto Ront dwo	allings	e e				
- Equity Share		£7,709,000 £7,709,000	Per Affordabl	e Ront dwellig	na	÷.				
- Shared Ownershin		£1,705,000 £0,650,000	r er Allordabi	o neni uwelli	9	~				
- Intermediate Rent		23,003,000	Alternative	Site Values			Against resi	dual	1	
- Affordable Rent		£48.047.000	Existing Use	Value	£	60.000.000	£71.2	92.000		
- Social Rent		£8 280 000	Acquisition Co	ost	£			-,		
Planning Obligations		£52 168 000	Value for offic	es	£	-				
Community Infrastructu	relevy	202,100,000	Value for indu	ustrial	£					
Exceptional Developm	ent Costs	£18,300,000	Value as hote	el site	£	-				
Commercial Elements		£6,889,000	Value as othe	er alternative	£	-				

- 5.59 The appraisal reflects:
 - 35% Affordable Housing;
 - Developer profit margin of 20% on gross development value;
 - Affordable Housing profit margin of 6%;
 - £52,168,000 of additional Section 106 contributions;
 - Commercial development including foodstore flexible A use class floorspace, a pub, and a care home.
- 5.60 The residual value is £131,292,000 on a static basis.
- 5.61 As I understand it, the AECOM study estimated a site value of circa £100m.

Land value benchmark and viability

5.62 It is understood that the development proposal relates to the area south of the M3. This area is shown in the aerial picture below:



- 5.63 The area contains a mix of land and building which are mostly associated with the testing track and incorporate storage sheds, light industrial units and other ancillary buildings. There is no full schedule currently available from which to draw up a full rental list which can then be capitalised to a land value benchmark.
- 5.64 The lawful use currently is not housing, but can be gleaned from the Council's officer's report of 25th May 2005. In this, the officer sets out some of the historic problems associated with the site not least relating to the noise created by military as well as commercial vehicles using the track. The question of Crown Immunity is raised in relation to any nuisance emanating from the site. The conclusions of the officer's report are set out below:

From officers report 25th May 2005

Conclusion

- 5.55 It is therefore considered that in light of all the evidence, then on the balance of probability a Certificate of Lawfulness should be issued for the following uses:
 - The testing and evaluation of tracked and wheeled military vehicles.
 - (2) Driver training courses using military vehicles.
 - (3) Subject to (i) and (ii) below and between the hours of 08.00 to 12.00 (midnight) and for a maximum of four occasions between the hours of 12.00 (midnight) to 08.00 Monday to Friday for film and media work including the filming of television shows.
 - (4) Subject to (i) below and between the hours of 08.00 to 18.00 Monday to Friday for:
 - (A) Civilian commercial automotive vehicle testing and other specialist tasks relating to the testing of new and used motor vehicles, heavy goods vehicles, emergency service vehicles and motorcycles;
 - (B) Automotive club events including associated static exhibitions and shows of all makes and models of vehicle;
 - (C) Corporate driving events including recreation, entertainment and corporate hospitality events; and
 - (D) Driver training courses using civilian vehicles
 - (5) Subject to (i) below and between the hours of 08.00 to 18.00 for a maximum of ten motor rally events (such events to include Sprints and Trials) per annum to be held no more frequently than one event every four weeks and each event to last no longer than two days including setting up and testing the facilities.
 - (i) The qualifying level for vehicles not exceeding 100dB, measured in accordance with the standard RAC method of Stage Rallies, ie 0.5m and at 45° from the exhaust of a static vehicle with the engine running at 5,000 rpm; and 28
 - (ii) Any use of motor vehicles between the hours of 18.00 and 08.00 not to amount to a common law or statutory nuisance and any noise, vibration, light, smoke or fumes caused by any of the above events and the use of any motor vehicle to be limited to such emissions as are reasonably associated with the traffic of a normal urban carriageway between such hours.
- 5.65 From this it is clear that the Council wished to permit a mix of activities including military vehicle testing but with some 'leeway' to exploit the site for commercial purposes, not least driver training courses, rally activities and some filming.
- 5.66 The use is however restricted by hours, presumably to minimise the noise impact. The site is therefore not fully commercial but a hybrid between community or military use, and commercial, although it should be stated that there is no military use there at the moment (which potentially reduces its EUV). Without having a view of the relevant accounts, it is difficult to be precise about the EUV as it stands.

- 5.67 As the site falls between different uses, it would appropriate to capitalise it at a reduced commercial rate. Based on the previous assumptions, a value of £1 million per hectare in relation to the partial hard standing area within the track would seem to be appropriate. This amounts to around 59 hectares and with some additional value for the green area around some 13 hectares at woodland/agricultural value say £20,000 a hectare.
- 5.68 A full EUV would then be arrived at, at around £60 million. In response, Turner Morum have stated on behalf of Crest that they believe that income over the past 3 years has been on average £8.4 million, and on this basis, a LVB of £60 million 'looks pretty conservative'.
- 5.69 It is not clear what the trajectory of income here is whether it is diminishing in the most recent years or not. Assuming £8 million is a fair figure, it would be difficult to capitalise the income at anything less than 10%, and between 11% and 12% probably being more realistic meaning that an LVB of circa £60 million is broadly robust as the LVB.

Viability returns

5.70 The chart below shows the relative returns to the land owner, the local authority and the developer.



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- 5.71 The largest return is for the developer (£123 million).
- 5.72 The return to the local authority is around the same level as that to the land owner significantly less at £83 million. This (return to the local authority) is the difference in residual value between 100% Market Housing and at 35% Affordable Housing and the other Section 106 contributions.
- 5.73 The full static appraisal is shown at Appendix 3.

Phased development results

House Prices	Build Costs	Scenarios	RV	EUV	Surplus
7%	5%	Historic	£237,287,791	£60,000,000	£177,287,791
2%	7%	Pessimistic	£88,399,391	£60,000,000	£28,399,391
10%	4%	Optimistic	£245,088,918	£60,000,000	£185,088,918

5.74 The table below shows the residual values and the relevant surpluses over and above the land value benchmark:

- 5.75 These results show very significant surpluses based even on relatively pessimistic scenarios.
- 5.76 The results demonstrate clearly how important the performance of the housing market will be to the viability of the site.

6 Conclusions

- 6.1 This Viability Study has reviewed the viability of sites in the vicinity of the A320 highway.
- 6.2 The analysis has looked at High Level Testing across the Borough, at key sites and specifically at the large allocation at Longcross Garden Village.
- 6.3 Viability is dependent on the relationship between the residual value generated by new development and the land value benchmark of sites. A key piece of guidance (NPPG, 2018), has now shifted the viability debate in favour of an approach which is focused on existing use value (EUV), rather than hope value for residential development, which in the past has driven plans and scheme specific negotiations.
- 6.4 The sub markets involved in the A320 area are mid value for Runnymede Borough. That being said, they are very high value by national standards, whereas build costs vary relatively little from one part of the country to another. This means that very significant residual values are generated from development across the Borough.
- 6.5 This analysis undertaken in the Viability Update Study underlines the findings of the 2017 Viability Report; that ambitious Section 106 requirements are deliverable whilst still providing developers and land owners with very large returns.
- 6.6 The scale of the potential surpluses are significant. The conclusion is that in all cases, including the case of Longcross, which has a very low existing use value, road infrastructure could be viably delivered from land uplift.
- 6.7 The scale of any additional contributions in the case of Longcross (or indeed any other large site) will depend very much on the performance of the housing market over time. The analysis demonstrates how sensitive the residuals are to changes in prices and costs, and for this reason it will be important for the Council, wherever possible to conclude overage or similar agreements with the applicants.

AJ Golland

Dr Andrew Golland BSc (Hons) PhD MRICS

PCS	Sub Market		Detached			Semi Detache	d				Fla	ts/Maisonette	25	Bung	galows
		5 Bed	4 Bed	3 Bed	4 Bed	3 Bed	2 Bed	4 Bed	3 Bed	2 Bed	3 Bed	2 Bed	1 Bed	3 Bed	2 Bed
GU254	Wentworth	£2,115,000	£1,797,000	£1,439,000	£1,562,000	£1,360,000	£1,155,000	£1,445,000	£1,256,000	£1,150,000	£1,098,000	£880,000	£616,000	£1,631,000	£1,387,000
GU254	Virginia Water	£1,127,000	£959,000	£767,000	£833,000	£725,000	£615,000	£771,000	£670,000	£613,000	£586,000	£469,000	£328,000	£869,000	£740,000
TW200	Englefield Green	£910,000	£774,000	£619,000	£672,000	£585,000	£497,000	£622,000	£541,000	£495,000	£473,000	£378,000	£264,000	£702,000	£597,000
KT160	Ottershaw	£852,000	£724,000	£579,000	£630,000	£548,000	£465,000	£582,000	£506,000	£463,000	£442,000	£355,000	£249,000	£657,000	£558,000
KT153	Woodham	£784,000	£666,000	£533,000	£579,000	£503,000	£428,000	£536,000	£465,000	£426,000	£406,000	£326,000	£228,000	£603,000	£514,000
KT168	Chertsev	£754.000	£642.000	£513.000	£557.000	£485.000	£412.000	£516.000	£448.000	£410.000	£393.000	£314.000	£219.000	£582.000	£495.000
KT169		2/01/000	2012/000	2010,000	2007,000	2100,000		2010,000	2110,000		2070/000	2021/000	2227,000	2002/000	2170,000
TW209	Egham	£753,000	£641,000	£513,000	£556,000	£484,000	£411,000	£515,000	£447,000	£409,000	£392,000	£313,000	£218,000	£582,000	£494,000
KT151	Addlertene	£603 000	£501.000	EACA 000	4EVE 000	£470.000	6272 000	EACC 000	£405.000	6270 000	£3EE 000	£704 000	£100 000	2526.000	£440.000
KT152	Addiestone	2003,000	1001,000	1404,000	1000,000	2437,000	10/0,000	1400,000	1403,000	2370,000	1999,000	1204,000	177,000	1020,000	L++0,000
TW183	Stainer Dauden & North	6670.000	6540.000	CAEE 000	640E 000	6421.000	6745.000	EAE7 000	6200 000	6264 000	6240.000	6270 000	£105 000	6517.000	6440.000
TW208	Staines border & North	2070,000	1203,000	1400,000	1473,000	E431,000	1202,000	1437,000	1379,000	2304,000	1347,000	1279,000	175,000	1017,000	1440,000

Appendix 1 High Level Testing assumptions

HM Land Registry Source:

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Development mixes

		1	1	1	
30 DPH	1 Bed Flats	2 Bed Terrace	3 Bed Semi	4 Bed Detached	
Market Housing	1	6	8	4	
Affordable Rent	2	2	1	0	
Social Rent	1	1	1	0	
Shared Ownership	1	0	0	0	
Starter Homes	1	0	0	0	
Discount Market	1	0	0	0	
	7	9	10	4	30
40 DPH	1 Bed Flats	2 Bed Terrace	3 Bed Semi	4 Bed Detached	
Market Housing	1	8	12	5	
Affordable Rent	3	2	2	0	
Social Rent	1	1	1	0	
Shared Ownership	1	1	0	0	
Starter Homes	1	0	0	0	
Discount Market	1	0	0	0	
	8	12	15	5	40

Source: Runnymede BC Policy SL19

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Construction Costs

March of 2019					
	Baseline	Externals	Sub Total	Runnymede Factor	Total
2 Storey Houses	£1,134	£170	£1,304	£196	£1,500
Bungalows	£1,267	£190	£1,457	£219	£1,676
Low Rise Flats	£1,308	£196	£1,504	£226	£1,730

NB: The costs are adjusted by location to take into account costs which are higher/lower than the national average. Serviced plot costs for gypsies and travellers at £100,000.

Source: RICS BCIS

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Other development costs

Other Development Costs								
You can enter your own values in the white cells below. Enter 0% for non-applicable items. Where cells are left blank, the Toolkit value for that row will be used.								
	Toolkit	User						
	Values	Values						
Professional Fees %	12.00%		of build costs					
Internal Overheads	5.00%	0.00%	of build costs (Market and Discount Market units)					
Interest Rate (Market)	7.00%	6.75%	of build Costs (Market, Discount Market and Low Cost Sale units)					
Interest Rate (Affordable Housing)	7.00%	6.75%	of build costs (SR, HB, IR units)					
Marketing Fees	3.00%		of market value (Market and Discount Market units)					
Developers Return	15.00%	20.00%	of market value (Market and Discount Market units)					
Contractors Return	6.00%		of development costs (SR, HB, IR and LCS units)					

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Unit Sizes

	-	
March of 2019		
	Market	Affordable
1 Bed Flats	50	50
2 Bed Flats	70	65
2 Bed Terraces	79	75
3 Bed Terraces	84	84
3 Bed Semis	93	88
3 Bed Detached	108	102
4 Bed Detached	125	115
5 Bed Detached	145	135

Source: Runnymede BC

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Affordable Housing revenue

March of 2019		
Revenues		Notes
Social Rent	£80,000	Going Bate - AIG
Affordable Rent	£150,000	Workshon feedback
Shared Ownership	As per Table below - 65% OMV	workshop recuback
Shared Ownership		
•	1 Bed	SO at 65%
Wentworth	£616,000	£400,400
Virginia Water	£328,000	£213,200
Englefield Green	£264,000	£171,600
Ottershaw	£249,000	£161,850
Woodham	£228,000	£148,200
Chertsey	£219,000	£142,350
Egham	£218,000	£141,700
Addlestone	£199,000	£129,350
Staines Border & North	£195,000	£126,750
Starter Homes		
	1 Bed	
Wentworth	£250,000	
Virginia Water	£250,000	
Englefield Green	£250,000	
Ottershaw	£249,000	
Woodham	£228,000	
Chertsey	£219,000	
Egham	£218,000	
Addlestone	£199,000	
Staines Border & North	£195,000	
Discount Market		
	1 Bed	SO at 65%
Wentworth	£616,000	£492,800
Virginia Water	£328,000	£262,400
Englefield Green	£264,000	£211,200
Ottershaw	£249,000	£199,200
Woodham	£228,000	£182,400
Chertsey	£219,000	£175,200
Egham	£218,000	£174,400
Addlestone	£199,000	£159,200
Staines Border & North	£195.000	£156.000

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Appendix 2 Site specific analysis assumptions

Infrastructure requirements:

Policy SL6 - Chilsey	£1.12m	£185,089 (EY)	£168,550	Equipped play space	£560,000 for	£5.06m or
Green Farm (275				- £548,970	SANG	£18,071 per
dwellings + 5 Traveller		£854,980 (P)				dwelling
Pitches)				Informal play space	£176,400 for	
		£929,584 (S)		- £79,822	SAMM	
Gross Site Area – 8.95ha						
				Sports/Playing		
Net Developable Area –				pitches - £350,659		
7.06ha						
				Allotments -		
				£32,523		
Policy SL11 - Vet Labs	£608,000	£102,304 (EY)	£91,730	Equipped play space	£304,000 for	£2.7m or
Parcel B (150 dwellings				- £295,000	SANG	£17,796 per
+ 2 Traveller Pitches)		£459,888 (P)				dwelling
_				Informal play space	£95,760 for	-
Gross Site Area – 4.7ha		£498,095 (S)		- £43,010	SAMM	
Net Developable Area –				Sports/Playing		
3.66ha				pitches - £189,483		
				Allotments -		
				£17,656		

Policy SL12 - Ottershaw East (200 units + 2 Traveller pitches) Gross Site Area – 6.6ha Net Developable Area – 5.97ha	£808,000	£135,956 (EY) £615,426 (P) £669,160 (S)	New health centre on 0.1ha of land.	Equipped play space £394, 110 (0.113ha) Informal play space - £57,305 (0.25ha) Sports/Playing pitches - £252,459 (0.735ha)	Provide SANG on-site for 9.15ha @ £1.06m SAMM cost @ £127,260	£4.14mm or £20,495 per dwelling
				Allotments - £23,231 (0.1ha)		
Policy SL14 - Chertsey Bittams A (175 dwellings + 5 Traveller Pitches) Gross Ste Area – 7ha Net Developable Area –	£720,000	£121,149 (EY) £549,257 (P) £595,934 (S)	£108,984	Equipped play space - £354,960 Informal play space - £51,612	£360,000 for SANG £113,400 for SAMM	£2.98m or £16,529 per dwelling
Policy SL15 - Chertsey Bittams B (120 dwellings + 2 Traveller pitches) Gross Site Area – 3.9ha Net Developable Area – 3.43ha	£440,000	£82,112 (EY) £368,597 (P) £398,600 (S)	£72,923	Equipped play space - £237,510 Informal play space - £34,535 Contribution to community hub building ^{vi} at Parcel A, Chertsey Bittams of £31,373	£244,000 for SANG £76,860 for SAMM	£1.99m or £16,283 per dwelling

Policy SL16 - Chertsey Bittams C (9 dwellings + 11 Traveller pitches) Gross Site Area – 1.31ha Net Developable Area – 0.95ha	£80,000	£13,461 (EY) £77,288 (P) £78, 189(S)	£16,027	Equipped play space £52,200 Informal play space £7,590 Contribution to community hub building ^{vi} at Parcel A, Chertsey Bittams of £5,569	£40,000 for SANG £13,660 for SAMM	£384k or £19,200 per dwelling
Policy SL17 - Chertsey Bittams D (125 dwellings) Gross Site Area – 2.86ha Net Developable Area – 2.64ha	£500,000	£84,131 (EY) £373,127 (P) £405,219 (S)	£74,258	Equipped play space - £241,860 Informal play space - £35,167 Contribution to community hub building ^{vi} at Parcel A, Chertsey Bittams of £31,837	£250,000 for SANG £78,750 for SAMM	£2.07m or £16,595 per dwelling
Policy SL18 - Chertsey Bittams E (75 dwellings) Gross Site Area – 2.37ha Net Developable Area – 1.76ha	£300,000	£50,479 (EY) £222,943 (P) £242,635 (S)	£45,547	Equipped play space - £154,860 Informal play space - £22,517 Contribution to community hub building ^{vi} at Parcel A, Chertsey Bittams of £17,914	£150,000 for SANG £47,250 for SAMM	£1,06m or £14,118 per dwelling

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Policy IE1 – Byfleet	£634,678	N/A	N/A	N/A	N/A	£634,678 or
Road, New Haw	Based on total of					£31.7 per sqm.
Assume 5,000sqm B1c, 2,000sqm B2 and 13,000sqm of B8	374 workers					
Gross Site Area – 7.7ha						
Net Developable Area – 6ha						
Policy IE8 – Addlestone West	£304,666	£47,114 (EY)	To be re-provided	£242,473	£140,000 for	£907,248 or
West		£67, 267 (P)	on site		SANG	dwelling
Assume 70 flats, 500sqm					£47,810 for	U U
A1 & replace 1,500sqm of D2 health/day centre.		£57,918 (S)			SAMM	
Gross Site Area – 0.8ha						
Net Developable Area – 0.8ha						

Indicative development mixes

Site	Total	Market			Affordable					Total		
	Units		SR	AR	SO	ST	DM	1BF	2BF	2BH	3BH	4BH
SL11 – Vet Labs	150	5 x 1BF	6 x 1BF	7 x 1BF	2 x 1BF	2 x 1BF	2 x 1BF	24				
		14 x 2BF	3 x 2BF	3 x 2BF	2 x 2BF	2 x 2BF	2 x 2BF		26			
		15 x 2BH	3 x 2BH	2 x 2BH	2 x 2BH	1 x 2BH	1 x 2BH			24		
		44 x 3BH	6 x 3BH	5 x 3BH							55	
		19 x 4BH	2 x 4BH									21

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SL12 – Ottershaw East	200	6 x 1BF	8 x 1BF	9 x 1BF	4 x 1BF	4 x 1BF	4 x 1BF	35				
		20 x 2BF	4 x 2BF	5 x 2BF	2 x 2BF	2 x 2BF	2 x 2BF		35			
		19 x 2BH	3 x 2BH	4 x 2BH	1 x 2BH	1 x 2BH	1 x 2BH			29		
		59 x 3BH	7 x 3BH	7 x 3BH							73	
		26 x 4BH	2 x 4BH									28
SL14 – Bittams A	175	6 x 1BF	7 x 1BF	8 x 1BF	3 x 1BF	3 x 1BF	3 x 1BF	30				
		17 x 2BF	3 x 2BF	4 x 2BF	2 x 2BF	2 x 2BF	2 x 2BF		30			
		17 x 2BH	3 x 2BH	4 x 2BH	1 x 2BH	1 x 2BH	1 x 2BH			27		
		51 x 3BH	6 x 3BH	6 x 3BH							63	
		23 x 4BH	2 x 4BH									25
SL15 – Bittams B	120	4 x 1BF	5 x 1BF	5 x 1BF	2 x 1BF	2 x 1BF	2 x 1BF	20				
		12 x 2BF	2 x 2BF	3 x 2BF	2 x 2BF	1 x 2BF	1 x 2BF		21			
		11 x 2BH	2 x 2BH	3 x 2BH	1 x 2BH	1 x 2BH	1 x 2BH			19		
		35 x 3BH	4 x 3BH	4 x 3BH							43	
		16 x 4BH	1 x 4BH									17
SL16 – Bittams C	9	3 x 2BH								3		
		4 x 3BH									4	
		2 x 4BH										2
SL17 – Bittams D	125	5 x 1BF	5 x 1BF	6 x 1BF	2 x 1BF	2 x 1BF	2 x 1BF	22				
		12 x 2BF	2 x 2BF	3 x 2BF	2 x 2BF	1 x 2BF	1 x 2BF		21			
		12 x 2BH	2 x 2BH	2 x 2BH	1 x 2BH	1 x 2BH	1 x 2BH			19		

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36 x 3BH	5 x 3BH	5 x 3BH				46	
16 x 4BH	1 x 4BH						17

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Appendix 3 Longcross Static appraisal

Site De	etails Use these arrows to naviagate Toolkit pages. You should ensure there are no warning messages on a page before continuing.
Site Address	Longcross Garden Village - 1320 Dwellings - Trajectory as agreed E Mailk 29th Aug 2019 - From Katherine Jones
Site Reference Application Number NLUD Reference UPRN or Grid Reference	
Scheme Description	1320 Dwellings with Range of Commercial
Use of this software implie	Development
Development	Control Model - Greater London Authority - 2015
For queries on viability	, development schemes and the Toolkit generally, please
contact Dr Andrew Gold	land - Tel: 01162 701 772 and E-Mail:
drajg@btopenworld.co	m
For queries on spreads	heets and technical aspects of the Toolkit (including bug
reports and feature requ	uests), please contact
Dr Adam Watkins -	Tel: 07746 809 748, and E-Mail: Toolkits@Dread-IT.co.uk

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------ Unit Types & Details ------

Enter the details for each type of unit in the cells below. You can specify up to 40 types of unit, one per row. Each row must be either fully completed or left fully blank. Note: For wheelchair units; the Toolkit uses the size of the unit as entered by the user. Build costs for wheelchair and non-wheelchair units are the same.

	Description of Unit Type		Person Occupancy		Habitable Rooms		Wheel-	ls a	No. Of	Size in so
Ref.	(for the users reference only)	of Bed -	Bench -	User	Bench -	User	chair	Flat?	Storeys	m
	(rooms	mark	value	mark	value	Unit?		(1-99)	
1	One Bed Flats	1	2		2		NO	YES	2	52.9
2	Two Bed Flats	2	3		3		NO	YES	2	72.2
3	Three Bed Flats	3	4		4		NO	YES	2	184.6
4	Two Bed Houses	2	3		3		NO	NO	n/a	77.6
5	Three Bed Houses	3	4		4		NO	NO	n/a	103.3
6	Four Bed Houses	4	6		6		NO	NO	n/a	146.2
7	Five Bed Houses	5					NO	NO	n/a	253
8										
9										
10										

----- Tenure Mix ------

You can distribute units across the tenures in two

ways:

🔘 Input by Percentag

)es				Affordable Units									
		Sale	Low Cost	Equity Share	Shared	Intermediate	Affordable	Social Rent	Units				
			Sale		Ownership	Kent	Kent		allocated				
enter:	1320	65%	3%	3%	5%		21%	4%	100%				
tered:	1320	860.0	35.0	35.0	67.0		273.0	50.0	#REF!				
	Units												
	106	34.0	16.0	16.0	29.0			11.0	106.0				
	321	154.0	10.0	10.0	19.0		111.0	17.0	321.0				
	3	3.0											
	242	116.0	9.0	9.0	19.0		80.0	9.0	242.0				
	414	319.0					82.0	13.0	414.0				
	193	193.0							193.0				
	41	41.0							41.0				
									HDEEL				

#REF!

Clear

🖲 Input by Quantity

Total units to Total units en Ref. Description One Bed Flats Two Bed Flats 2 3 Three Bed Flats Two Bed Houses 4 5 Three Bed Houses Four Bed Houses 6 Five Bed Houses

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----- Market Values ------

Ensure you enter market values for all unit types in the scheme under the Sale Tenure.

Ref.	Description of Unit Type
1	One Bed Flats
2	Two Bed Flats
3	Three Bed Flats
4	Two Bed Houses
5	Three Bed Houses
6	Four Bed Houses
7	Five Bed Houses
8	
9	

Sale

You can adjust all market values by entering a percentage in the box to the right (this affects other tenures): 100% User Market Adjusted Market Total Units Value Value 34 £ 295,000 £ 295,000 379,719 £ £ 154 379,719 1,015,300 3 £ £ 1,015,300 £ 463,597 116 £ 463,597 £ 625,507 £ 319 625,507 193 £ 882,073 £ 882,073 £ 1,518,600 £ 41 1,518,600 £ £

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----- Development Costs ------

Toolkit values will be used unless you enter your own value in the white cells. The CSH level is for reference purposes only.

Build Costs per sq m									
Building Type	Toolkit Values	User Values							
Flats (40+ storeys)	£3,739								
Flats (16-40 storeys)	£3,001								
Flats (6-15 storeys)	£2,331								
Flats (5 & less storeys)	£1,713	£1,543.00							
Houses <= 75m2	£1,274	£1,353.00							
Houses > 75m2	£1,116	£1,353.00							
Code for Sustainable Hor	nes level (3-6)								

Other Development Costs										
	Toolkit	User								
Additional Cost	Values	Values								
Professional Fees %	12.0%		of build costs							
Interest rate (Market)	6.75%		of build costs (Sale, Equity Share and Low Cost Sale units)							
Interest Rate (Affordable Hou	6.75%		of build costs Rental tenures and Shared Ownership)							
Marketing Fees	3.0%		of market value							
Developers Return	20.0%		of market value applies to market housing							
Contractors Return	6.0%		of development costs (excl finance) (affordable housing)							
Construction Period (1+ Years)										

Exceptional Development Costs						
Total For Scheme						
Cost per dwelling						
Cost per hectare						
Cost per habitable room	No Info					

You may also enter SCHEME totals for other exceptional costs. Enter the name of the cost in the left hand cells and the SCHEME value in the right hand cell

Costs incurred for Sustainable homes level of 3,4, 5 or 6	£	-
Servicing Site - Estimate	£	10,000,000
Enabling Works	£	8,300,000
<enter cost="" description=""></enter>	£	-

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Clear

----- Planning Obligations -----

For each type of contribution you may either enter a total figure (for that row) or you may enter values per unit (for each tenure). If you choose the second option, the Toolkit will calculate the total obligation 'cost' for the scheme.

To enter one total value for a row, tick the	Inj	out by Total	Input by Unit							
corresponding box in the "Enter Total?"						Affor	dable			Total
column and enter a value in the "User Total"			Cala	Low Cost	Fauito	Charad	Interne dista	Afferdable		(Affordable
column : To enter the values by tenure leave	Enter		Sale	Low Cost	Equity	Snared	Intermediate	Allordable		and Sala)
the box un-ticked	Total?	User Total		Sale	Share	Ownership	Rent	Rent	Social Rent	anu sale)
Education Contribution	X	£13,940,000								£13,940,000
Highway works	Z	£14,250,000								£14,250,000
Contribution to public transport										£0
Contribution to community facilities	Y	£2,199,000								£2,199,000
Provision for open space	Z	£10,862,000								£10,862,000
Contribution to public art										£0
Environmental improvements										£0
Town centre improvements	Y	£10,000,000								£10,000,000
Waterfront improvements										£0
Support for employment development										£0
Employment related training										£0
Other	Þ	£917,011								£917,011

Does CIL apply on this scheme? No Please select Yes or No

Total for Scheme	£52,168,011
Total for Scheme per hectare	£721,549
Total for Scheme divided by total number of units	£39,521
Total for Scheme divided by number of sale units	£60,660

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Clear

----- Capital Contributions -----

For each type of contribution you may either enter a total figure (for that row) or you may enter values per unit (for each tenure). If you choose the second option, the Toolkit will calculate the total obligation 'cost' for the scheme.

		ul by Total	Input by Unit							
the "Enter Total?" column and enter a value in the "User Total"						Calculated Total				
column . To enter the values by tenure leave the box un-licked	Enter Total?	User Total	Sale	Low Cost Sale	Equity Share	Shared Ownership	Intermediate Rent	Affordable rent	Social Rent	(Affordable and Sale)
European Union funding										£0
Local Authority capital grant										£0
Other regeneration funding										£0
English Heritage grant										£0
Lotlery grant										£0
Contribution from Payment in Lieu fund										£0
Employer contribution										£0
Capitalised ground rent figure	×	£2,580,000								£2,580,000
Other (1)		£6,000,000								£6,000,000
Other (2)		£1,025,000								£1,025,000
Other (3)										£0

Total for Scheme	£9,605,000
Total for Scheme per hectare	£132,849
Total for Scheme divided by total number of units	£7,277
Total for Scheme divided by number of sale units	£11,169

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------ Known Payments for -------- Affordable Housing --

Enter the fixed payments for each tenure below.

			Affordable Housing Tenures									
		Low Cost Sale	Equity Share	Shared Ownership	Intermediate Rent	Affordable Rent	Social Rent	No. Of Affordable Units				
	Number of units	35.0	35.0	67.0	0.0	273.0	50.0	460				
F	Payment By Unit	£ 250000	£ 257000	£ 342397		£ 150000	£ 80000					
Or F	Payment By Tenure											
(Or Scheme Total	Enter a lump	sum payment	for all Afforda	ble Housing	Tenures						
	Tenure Total	£ 8750000	£ 8995000	£22940599	£	£40950000	£ 4000000					
Method by Ret	which Affordable Housing venue is calculated	By Unit	By Unit	By Unit	N/A	By Unit	By Unit					
Total Knov	wn Payment for Affordable Housing	£85635599										

Please select one of the below options;

 There is no grant, or it is included in the above values (in which case grant will not be shown separately on the results page)

Grant is included in the above value and I would like to show it separately on the

 Results page for information (Total revenue for the tenure will use figures in table above, grant shown on the next page will not be added) Clear

----- Contribution from -------- Commercial Elements --

This page allows the user to input data relating to a commercial property element of a scheme. The user will need to complete the white boxes relating to size of scheme, rent, yield and capital value. In addition cost related data will need to be inputted

Revenues		Office		Industrial		Retail	Hotel	Leis it	ure/Commun y Services	Othe	er
Net area in Sq. m		500		300		500			770		
Rent (£ per sq.m per annum)	£	200.00	£	200.00	£	300.00		£	250.00		
Yield (%)		6.0%		7.0%		5.0%			5.0%		
Capital value	£	1,666,667	£	857,143	£	3,000,000	£ -	£	3,850,000	£	-
Costs											
Gross Internal Area in Sq. m		500		300		500			770		
Build costs (£ per GIA sq m)	£	2,000	£	2,000	£	1,750		£	2,250		
Professional fees (% of Build Costs)		12.00%		12.00%		12.00%			12.00%		
Interest Rate (% of Build Costs)		6%		6%		6%			6%		
Marketing fees (% of Capital Value)		3%		2%		2%			3%		
Return (% of Capital Value)		20%		15%		15%			20%		
Total build costs	0	1 000 000	0	600.000	0	975.000	6	-	1 732 500	6	_
Professional other fees and finance costs	0	230,000	<u>ہ</u>	125 1/3	<u>ہ</u>	217 500	£ .	6	1,702,000	<u>ہ</u>	-
Return	£	333,333	£	128,571	£	450,000	£ -	£	770,000	£	-
Total development costs	£	1,563,333	£	853,714	£	1,542,500	£ -	£	2,929,850	£	-
Site value for commercial element	£	103,333	£	3,429	£	1,457,500	£ -	£	920,150	£	-
Total site value for all commercial Elements	£	2,484,412									

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Clear

& Site Value Comparisons					
a one value compar	130113				
Land Finance					
Reduction of Residual (%)	319	6 Guide	Values		
Values entered below will be shown on the results page compared to the scheme residual. These values cannot be					
Values entered below will be a compared to the scheme residuated	shown on al. These '	the results values car	s page mot be		
Values entered below will be a compared to the scheme residua calculated by the toolkit.	shown on al. These '	the results values car	s page mot be		
Values entered below will be a compared to the scheme residual calculated by the toolkit.	shown on al. These £	the results values car 60,0	s page not be		
Values entered below will be a compared to the scheme residua calculated by the toolkit. Existing use value Acquisition cost	shown on al. These £ £	the results values car 60,0	s page mot be 000,000 -		
Values entered below will be s compared to the scheme residua calculated by the toolkit. Existing use value Acquisition cost Value for offices	shown on al. These £ £ £	the results values car 60,0	5 page 1not be 100,000 - -		
Values entered below will be a compared to the scheme residua calculated by the toolkit. Existing use value Acquisition cost Value for offices Value for industrial	shown on al. These £ £ £ £ £	the results values car 60,0	5 page 1not be 100,000 - - -		
Values entered below will be a compared to the scheme residua calculated by the toolkit. Existing use value Acquisition cost Value for offices Value for industrial Value as hotel site	shown on al. These £ £ £ £ £ £	the results values car 60,0	000,000 - - - -		

Indicative reductions to apply to the final Site Residual value (shown on the Results Page)

Site Development Time (Years)	Reduction
1	10%
2	13%
3	16%
4	19%
5	22%
6	25%
7	28%
8	31%

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----- Results ------

Site	Longcross Garden Village - 1320 Dwellings -
Address	Trajectory as agreed E Mailk 29th Aug 2019 - From
Scheme	1320 Dwellings with Range of Commercial
Description	Development

RESIDUAL before land finance	£190,278,000
RESIDUAL after land finance	£131,292,000
Per hectare	£1,816,000
Per dwelling	£99,000
Per market dwelling	£153,000
Per habitable room	£28,000
Per bedspace	£38,000

Application Number	
NLUD Ref. Number	
UPRN or Grid Ref.	
DOT NO.	

Site Reference Number

SCHEME UNITS	per ha.	
No. of Dwellings	1320	18
No. of Habitable rooms	4727	65
No. of Bedrooms	3460	48
Total floorspace (m2)	129,472	1791
% Wheelchair Units		

LAND FINANCE	
Total land finance	£58,986,000

Floor Space Analysis
Costs Analysis
Child Occupancy & Bedrooms

Save Results

View Results

Discounting Function

SCHEME REVENUE	£001,984,000			
Contribution to revenue from:				
Market housing	£557,369,000			
Affordable Housing	£85,636,000			
- Low Cost Sale	£8,750,000			
- Equity Share	£8,995,000			
- Shared Ownership	£22,941,000			
 Intermediate Rent 				
- Affordable Rent	£40,950,000			
- Social Rent	£4,000,000			
Grant				
Capital Contribution	£9,605,000			
Commercial Elements	£9.374.000			

SCHEME COSTS	£471,706,000
Contribution to costs from:	
Market housing	£312,944,000
Affordable Housing	£81,404,000
- Low Cost Sale	£7,709,000
- Equity Share	£7,709,000
- Shared Ownership	£9,659,000
- Intermediate Rent	
- Affordable Rent	£48,047,000
- Social Rent	£8,280,000
Planning Obligations	£52,168,000
Community Infrastructure Levy	
Exceptional Development Costs	£18,300,000
Commercial Elements	£6,889,000

AFFORDABLE UNITS							
	Low Cost	Equity	Shared	Intermediate	Affordable	Social Rent	Total
Units	35	35	67		273	50	460
Units %	3%	3%	5%		21%	4%	35%
Hab rooms	2%	2%	4%		19%	3%	30%
Bedrooms							
Persons	2%	2%	4%		19%	3%	30%
Floorspace	2%	2%	3%		18%	3%	27%

PUBLIC SUBSIDY (GRANT)			
Whole scheme	£ -		
Per Social Rent dwelling	£ -		
Per Shared Ownership dwelling	£ -		
Per Intermediate Rent dwellings	£ -		
Per Affordable Rent dwelling	£ -		

Alternative Site Values		Against residual	
Existing Use Value	£	60,000,000	£71,292,000
Acquisition Cost	£	-	
Value for offices	£	-	
Value for industrial	£	-	
Value as hotel site	£	-	
Value as other alternative	£	-	

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