## <u>Wokingham LPU Strategic Masterplanning – High Level Viability Assessment</u> <u>Development appraisal assumptions for Grazeley:</u>

1 Assumed mix of unity types, sizes, values, density and site preparation costs:

Grazeley		Unit	t types	25% need	of 2 bed		% of 2 need				% of 4 I + need		% of 4 bed eed	Check	
split	Unit numbers	1 be	ed	2 bed	d F	2 be	ed H	3 be	ed H	4 b	ed	5 b	ed		
Total No	5,000,														
Private split	7,000, 10,000 and	9.10	)%	7.23%	%	21.6	68%	42.3	30%	14.	78%	4.9	%		
Private 65%	15,000 and														
Affordable split	scenarios	41.8	30%	8.58%	%	25.7	73%	22.0	00%	1.9	5%	0.7	%		
Affordable 35%	tested. Mix based on SHMA														
	West Berks.														
Social rented	70%														
Intermediate	30%														
Floorspace	GIA	50		70		79		93		115	;	12	5		
	Gross	59		82		83		98		121		132	2		
£/M2		£	4,500	£	4,285	£	4,620	£	4,570	£	4,650	£	4680	£	4,583
£/M2 affordable	50%	£	2,250	£	2,143	£	2,310	£	2,285	£	2,325	£	2,340	£	2,272
£/M2 affordable I	65% omv	£	2,925	£	2,785	£	3,003	£	2,970	£	3,023	£	3,042	£	2,953
Price market		£	225,000	£	300,000	£	365,000	£	425,000	£	535,000	£	585,000		
Price affordable S	70%	£ 112	,500	£ 149,9	975	£ 182	,490	£ 212	,505	£ 267	7,375	£ 292	2,500		
Price affordable	30%	£	146,250	£	195,000	£	237,250	£	276,250	£	347,750	£	380,250		

Ground rents for all flats assumed at £250 per annum, valued at 5% YP in perpetuity

Site preparation costs – earth moving, general site works, allowance of £500,000 per hectare of developed land. Based on density of 55 dph = £9100 per unit, applicable to 10,000 and 15,000 unit scenarios. For lower density scenarios (5,000,7,000) assumptions at 35 dph = £14,300 per unit.

### 2 Land acquisition Costs

- 4% stamp duty
- 1% agents fee
- 0.5% legal fee

#### 3 Planning and site survey costs

- Planning £1,250,000 for 5000 units, £1,750,000 for 10000 units, £2,250,000 for 15,000 units
- Site survey £250,000 for 5000 units, £275,000 for 10000 units, £325,000 for 15,000 units

#### 4 Construction costs – based on BCIS figures, average cost per M2 for various unit types

- Build costs £1,474 per M2
- Contingency 7.5%
- Developer's contingency 5%
- Open space layout:
  - o 5,000 unit scheme: 5 phases £1,250,000 each
  - o 7,000 unit scheme: 6 phases £1,250,000 each
  - o 10,000 unit scheme: 8 phases £1,250,000 each
  - o 15,000 unit scheme: 12 phases £1.250,000 each
- NHBC costs £1,000 per unit

#### 5 CIL - Indexed to March 2018

• £450 per M2 for private units

#### 6 Professional fees

- 5% for architect
- 5% for others including CDM etc

#### 7 Marketing

• 2.5% of build costs for private units

# 8 Sales and Legal fees

- Sales fees 1.25%
- Legal fees 0.25%

### 9 Finance

• 7% on debt, 0% on credit

## 10 Developer's return per phase

• 18.5%

#### Phasing, delivery and infrastructure assumptions – 5,000 unit option

The 5,000 unit option is assumed to be delivered as 5 strategic phases of 650, 1050, 1050, 1250 and 1000 units respectively delivered over a total circa 14.5 year period including lead in time. This is an ambitious timescale for a scheme of this magnitude, but reflects the approach that Wokingham takes to instigating the delivery of infrastructure.

The specific infrastructure which is **assumed to be a cost to the development** aside from that set out above amounts to some £80,536,867 and is as follows:

1.	Highways infrastructure (Costed by PBA)	Total	£33,500,000
•	Upgrade current A33 junction New A33 junction A33 upgrade Strategic Routes contained within the site New footways/cycleways	£2,000 £4,000 £5,000 £15,00 £7,500	0,000 0,000 00,000
2.	Utility costs/Other	Total	£25,220,200
•	Electricity – onsite and offsite  Gas – onsite and offsite  Water – onsite and infrastructure charges  Foul Water – onsite and infrastructure charges  Allowance for strategic flood alleviation modelling	£8,200 £3,752 £3,710 £8,556 £1,000	0,000 2,800 0,560 5,840
3.	Sustainable transport measures (Costed by PBA)	Total	£12,400,000
•	New Bus services Bus stop infrastructure My Journey Travel Plan contributions	£7,000 £400,0 £5,000	000
4.	Open space allowances	Total	£9,416,667
•	SANG Open space management Children's play Playing pitches	£2,400 £1,350 £4,666 £1,000	0,000 6,667

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Indoor leisure facilities		£2,250,000
Health facilities		£10,000,000
Community facilities		£4,500,000
<ul> <li>Construction costs for allotments (Land provided by developer)</li> </ul>		£400,000
<ul> <li>Educational facilities: 3 x Primary (1 x 3fe, 2 x 2fe)</li> </ul>		£24,000,000
New bridge over Kennet and Avon Canal		£6,000,000
<ul> <li>Pending technical studies, upgrade of westbound vehicular routes</li> </ul>		£1,000,000
<ul> <li>M4 improvements Junction 10 to Junction 12</li> </ul>		£18,333,333
<ul> <li>1000 space car park (assumed 3<sup>rd</sup> party cost)</li> </ul>		£7,500,000
MRT enhancements and upgrades		£22,000,000
Mereoak park and ride extension		£6,000,000
Bridge works across M4		£16,000,000
New linkages across the railway		£12,000,000
• Improved access to and upgrades of Mortimer Station and Green Park S	Station	£15,000,000

Total £144,983,333 say £145,000,000

Infrastructure Item	Comparables / Notes	Length of Road (m)	Estimated Cost	Estimated Cost per Dwelling
Strategic Transport				
Highway Infrastructure Look to Improve use and access and possible				
upgrades to Mortimer station or GreenPark New linkages across the railway	Green Park		£15,000,000	£3,000
,	South Wokingham SDL		£12,000,000	£2,400
New bridge across M4	SERR		£16,000,000	£3,200
New Park and Ride	Mereoak Extension		£6,000,000	£1,200
Mass Rapid Transit scheme enhancements and	RBC South Reading MRT		£44,000,000	£8,800
Upgrades New bus services	scheme Arborfield SDL			
Bus stop infrastructure	Arbonieid SDL		£7,000,000	£1,400
	Arborfield SDL		£400,000	£80
My Journey Travel Plan contribution	Current My Journey Travel Plan		£5,000,000	£1,000
Car parks 1000 spaces	Network Rail Figures	£2500 surface and £125000 per deck	£7,500,000	
M4 Junction Improvements (Jct 10 to 12)	(last up grade figure)		£18,333,333	£3,667
Uggrade Current A33 Junction	SERR		£2,000,000	£400
A33 Upgarde	- CLINIX			
			£5,000,000	£1,000
Pending technical studies, upgrade of westbound vehicular routes	Needs modelling and to locate suitable route		£1,000,000	£200
New bridge over Kennet and Avon canal			£6,000,000	£1,200
Site contained strategic routes. Estimated 8km.	7.3m wide carriageway	8000	£15,000,000	£3,000
New footways / cycleways (adj. and non-adj to			£7,500,000	£1,500
carriageway) Strategic Flood Alleviation			27,500,000	21,300
TBC (detailed flood modeling work required to			£1,000,000	£200
determine interventions) Waste				
Waste disposal Recycling			tbc tbc	
Utilities			ibc	
Electricity onsite	Assumed 50% upfront and rest over dev period		£3,700,000	
	Assumed 50% upfront and rest		£4,500,000	
Electricity offsite	over dev period Assumed 50% upfront and rest		£3,010,000	
Water onsite	over dev period Assumed 50% upfront and rest			
Water infrastructure charge	over dev period Assumed 50% upfront and rest		£700,560	
Water offsite	over dev period		£0	
Gas onsite	Assumed 50% upfront and rest over dev period		£3,502,800	
Gas offsite	Assumed 50% upfront and rest		£250,000	
Gas offsite	over dev period Assumed 50% upfront and rest		£0	
Telecoms onsite	over dev period Assumed 50% upfront and rest			
Telecoms offsite	over dev period		£0	
FW onsite	Assumed 50% upfront and rest over dev period		£7,506,000	
FW infrastructure charge	Assumed 50% upfront and rest over dev period		£1,050,840	
FW offsite	Assumed 50% upfront and rest over dev period		£0	
Education	over dev period			
Primary: 2x2FE and 1x3FE (including nursury class)			£24,000,000	£4,800
Secondary: 1x 6Fe			£32,000,000	£6,400
Further and Higher Education	Not provided or funded by WBC – no obvious infrastructure (even at a Berks level) to aim for. RU have consolidated activities onto the Whiteknights campus in recent years. The national agenda for FE is towards consolidation at the moment		ТВС	
Lifelong learning (Courses are delivered from a variety of venues – college sites, libraries and community use centres)			£100,000	£20
Special Education Needs Provision (Approximately 1% of the child population need education in a Special School and these serve discrete need groups. No strategic need.)			£150,000	£30

SANG  1.73-2.16ha / 1,000 people (416 dwellings @ 2.4 persons per dwelling). Schemes between 5-7km of Thames Heath Basin SPA (i.e. Grazeley) cost circa £1,500 per dwelling to mitigate.).  Assuming 10,000 dwellings, up to 52ha SANG required, to be delivered by developer through s106 obligation. Commuted sum for maintenance upto £4.8million	The site falls between 5 and 7KM of the SPA.	£2,400,000	
Public Open Space Allotments			
0.52ha /1000 people (416 dwellings @ 2.4 persons per dwelling). Assuming 5,000 dwellings, up to 6.25ha of land for allotments is required, although CIL receipt will cover construction costs.		£400,000	
Public Parks/Amenity Open Space 2.08ha /1000 people (416 dwellings @ 2.4 persons per dwelling). Assuming 5,000 dwellings, up to 25ha of Public Parks/Amenity Open Space are required, to be delivered by developer through s106 obligation.Commuted sum for maintenance at least £1.35million (depending on actual area of POS delivered)	Childrens' play to be incorporated within parks - Amenity greenspace and civic hard surfaced spaces to be provided within development areas on a site by site basis.	£1,350,000	
Children's Play 0.25ha /1000 people (416 dwellings @ 2.4 persons per dwelling). Assuming 5,000 dwellings, up to 3ha of Children's Play space is required, to be delivered by developer through s106 obligation. Commuted sum for maintenance at least £4.7million (depending on actual area and types of play facilities delivered)		£4,666,667	
Playing pitches 1.66ha /1000 people (416 dwellings @ 2.4 persons per dwelling). Assuming 5,000 dwellings, up to 20ha of land for playing pitches is required, although CIL receipt will cover construction costs ( the overall area can be reduced through the provision of high value ATPs.		£1,000,000	
Community			
Community buildings SONC suggests that facilities need to be delivered at 145m²/1000 people. Assuming 5,000 dwellings land for the delivery of a 3,335m² community building/s to be delivered by developer, although CIL receipt will cover construction costs.		-£4,500,000	
Health provision 1 GP surgery Health Hub	Wokingham Clinical Commissioning Group have recently indicated that a threshold of 30,000 people applies to development requiring a dedicated new surgery.	£10,000,000	
Indoor Leisure Facilities			
MDD DPD standard is 8.26m²/1000 people. Assuming 10,000 dwellings, land for the delivery of a 200m² pool space to be delivered by developer, although CIL receipt will cover construction costs. Possibly to be delivered at Arborfield Garrison site - USE COMMUNITY BUILDING ASSUMPTIONS		-£250,000	
MDD DPD standard is 65.43m²/1000 people. Assuming 15,000 dwellings, land for the delivery of a 1600m² Sports hall activity space to be delivered by developer, although CIL receipt will cover construction costs. Possibly to be delivered at Arborfield Garrison site - USE COMMUNITY BUILDING ASSUMPTIONS		-£2,000,000	
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- Electric vehicle infrastructure
- Flood alleviation costs provisional sum allowed only
- Waste/recycling costs
- Commercial development indicative quantum yet to be determined

#### Outcome of initial baseline viability assessment: 5,000 units

- 1. The required level of developer's profit
- 2. The required level of CIL
- 3. The required level and mix of affordable housing
- 4. A land value above existing use value but below benchmark land value, thus rendering the option at risk of non-delivery, or delivery only in part, even if external funding is provided. The level of infrastructure costs required to be met off site exceeds the level of CIL generated by the development, therefore without other funding the option is highly unlikely to be deliverable.

#### Phasing, delivery and infrastructure assumptions – 7,000 unit option

The 7,000 unit option is assumed to be delivered as 6 strategic phases of 850,1300,1350,1350, 1300 and 850 units respectively delivered over a total circa 17.5 year period including lead in time. As for the 5000 unit option, this is an ambitious timescale for a scheme of this magnitude, but reflects the approach that Wokingham takes to instigating the delivery of infrastructure. For a scheme of this size, the level of uncertainty in any viability appraisal carried out as a snapshot in time is necessarily increased.

The specific infrastructure which is **assumed to be a cost to the development** aside from that set out above amounts to some £113,458,633 and is as follows:

1.	Highways infrastructure (Costed by PBA)	Total	£47,000,000
•	Upgrade current A33 junction New A33 junction Additional new A33 junction A33 upgrade Strategic Routes contained within the site New footways/cycleways	£2,000 £4,000 £4,000 £10,00 £18,00 £9,000	0,000 0,000 0,000 0,000
2.	Utility costs/Other	Total	£33,030,300
• • • •	Electricity – onsite and offsite  Gas – onsite and offsite  Water – onsite and infrastructure charges  Foul Water – onsite and infrastructure charges  Allowance for strategic flood alleviation modelling  Sustainable transport measures (Costed by PBA)	£9,700 £5,154 £5,195 £11,98 £1,000	,200 ,840 0,260
•	New Bus services	£9,500	,000
•	Bus stop infrastructure	£800,0	
•	My Journey Travel Plan contributions	£10,12	25,000
4.	Open space allowances	Total	£13,183,333
•	SANG	£3,360	,000
•	Open space management	£1,890	
•	Children's play	£6,533	,533
•	Playing pitches	£1,400	,000

Improved access to and upgrades of Mortimer Station and Green Park Station	£15,000,000
<ul> <li>New Station, car park and public transport interchange (Assumed 3<sup>rd</sup> party cost)</li> </ul>	£20,000,000
New linkages across the railway	£24,000,000
Bridge works across M4	£16,000,000
Mereoak park and ride extension	£6,000,000
New southern Park & Ride	£10,000,000
MRT enhancements and upgrades	£44,000,000
1000 space car park (assumed 3 <sup>rd</sup> party cost)	£7,500,000
M4 improvements Junction 10 to Junction 12	£36,666,667
Pending technical studies, upgrade of westbound vehicular routes	£1,000,000
New bridge over Kennet and Avon Canal	£6,000,000
• Educational facilities, 3 x Primary schools (1 x 3fe, 3 x 2fe), 1 x 8fe Secondary school	£64,000,000
Construction costs for allotments (Land provided by developer)	£560,000
Community facilities	£6,300,000
Health facilities	£20,000,000
Indoor leisure facilities	£4,500,000
Total	£281,517,667

Infrastructure Item		Length of		Estimated Cost per
	Comparables / Notes	Road (m)	Estimated Cost	Dwelling
Strategic Transport Highway Infrastructure				
Look to Improve use and access and possible upgrades to Mortimer station or GreenPark	Green Park		£15,000,000	£2,143
New station car park & public transport interchange	Estimate based onTwyford station example		£20,000,000	£2,857
New linkages across the railway	South Wokingham SDL		£12,000,000	£1,714
New linkages across the railway	South Wokingham SDL		£12,000,000	£1,714
New bridge across M4	SERR		£16,000,000	£2,286
New Park and Ride	Mereoak Extension		£6,000,000	£857
New park and Ride	New Southern P&R		£10,000,000	£1,429
Mass Rapid Transit scheme enhancements and	RBC South Reading MRT		£44,000,000	£6,286
Upgrades New bus services	scheme Arborfield SDL		£9,500,000	£1,357
Bus stop infrastructure	Arborfield SDL		£800,000	£114
My Journey Travel Plan contribution	Current My Journey Travel Plan		£10,125,000	£1,446
Car parks 1000 spaces	Network Rail Figures	£2500 surface and £125000 per deck	£7,500,000	
M4 Junction Improvements (Jct 10 to 12)	(last up grade figure)		£36,666,667	£5,238
Uggrade Current A33 Junction	SERR		£2,000,000	£286
New A33 Jct			£4,000,000	£571
New A33 Jct			£4,000,000	£571
A33 Upgarde			£10,000,000	£1,429
Pending technical studies, upgrade of westbound vehicular routes	Needs modelling and to locate suitable route		£1,000,000	£143
New bridge over Kennet and Avon canal			£6,000,000	£857
Site contained strategic routes. Estimated 8km.	7.3m wide carriageway	8000	£18,000,000	£2,571
New footways / cycleways (adj. and non-adj to			£9,000,000	£1,286
carriageway) Strategic Flood Alleviation				
TBC (detailed flood modeling work required to determine interventions)			£1,000,000	£143
Waste disposal			tbc	
Utilities			tbc	
Electricity onsite	Assumed 50% upfront and rest over dev period		£5,200,000	
Electricity offsite	Assumed 50% upfront and rest over dev period		£4,500,000	
Water onsite	Assumed 50% upfront and rest over dev period		£4,215,000	
Water infrastructure charge	Assumed 50% upfront and rest over dev period		£980,840	
	Assumed 50% upfront and rest		£0	
Water offsite	over dev period Assumed 50% upfront and rest		£4,904,200	
Gas onsite	over dev period Assumed 50% upfront and rest		£250,000	
Gas offsite	over dev period Assumed 50% upfront and rest		£0	
Telecoms onsite	over dev period Assumed 50% upfront and rest			
Telecoms offsite	over dev period Assumed 50% upfront and rest		£0	
FW onsite	over dev period Assumed 50% upfront and rest		£10,509,000	
FW infrastructure charge	over dev period Assumed 50% upfront and rest		£1,471,260	
FW offsite	over dev period		£0	
Education Primary: 1x2FE and 3x3FE and 2x6Fe(including nursury class)			£27,000,000	£3,857
Secondary: 2x 6Fe			£64,000,000	£9,143
Further and Higher Education  Lifelong learning (Courses are delivered from a variety of venues – college sites, libraries and community use	Not provided or funded by WBC – no obvious infrastructure (even at a Berks level) to aim for. RU have consolidated activities onto the Whiteknights campus in recent years. The national agenda for FE is towards consolidation at the moment		TBC £140,000	£20
of venues – college sites, libraries and community use centres)  Special Education Needs Provision (Approximately			£ 14U,UUU	1.20
Special Education Needs Provision (Approximately 1% of the child population need education in a Special School and these serve discrete need groups. No strategic need.)			£210,000	£30

SANG				
1.73-2.16ha / 1,000 people (416 dwellings @ 2.4				
persons per dwelling). Schemes between 5-7km of				
Thames Heath Basin SPA (i.e. Grazeley) cost circa				
£1,500 per dwelling to mitigate.).				
A servering 40,000 devellings are to 50be CANO	The site falls between 5 and		£3,360,000	
Assuming 10,000 dwellings, up to 52ha SANG	7KM of the SPA.		23,300,000	
required, to be delivered by developer through s106				
obligation. Commuted sum for maintenance upto £4.8million				
£4.0111111011				
Public Open Space				
Allotments				
0.52ha /1000 people (416 dwellings @ 2.4 persons				
per dwelling). Assuming 10,000 dwellings, up to				
12.5ha of land for allotments is required, although CIL			0500 000	
receipt will cover construction costs.			£560,000	
Public Parks/Amenity Open Space				
2.08ha /1000 people (416 dwellings @ 2.4 persons				
per dwelling). Assuming 10,000 dwellings, up to 50ha	Childrens' play to be			
of Public Parks/Amenity Open Space are required, to	incorporated within parks			
be delivered by developer through s106 obligation.Commuted sum for maintenance at least	- Amenity greenspace and			
£2.7million (depending on actual area of POS	civic hard surfaced spaces to		£1,890,000	
delivered)	be provided within			
	development areas on a site			
	by site basis.			
Childrenia Blave				
Children's Play  0.25ha /1000 people (416 dwellings @ 2.4 persons				
per dwelling). Assuming 10,000 dwellings, up to 6ha of				
Children's Play space is required, to be delivered by				
developer through s106 obligation. Commuted sum				
for maintenance at least £9.33million (depending on			CC E22 222	
actual area and types of play facilities delivered)			£6,533,333	
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Playing pitches				
1.66ha /1000 people (416 dwellings @ 2.4 persons				
per dwelling). Assuming 10,000 dwellings, up to 40ha				
of land for playing pitches is required, although CIL				
receipt will cover construction costs ( the overall area				
can be reduced through the provision of high value			£1,400,000	
ATPs.				
Community				
Community buildings				
SONC suggests that facilities need to be delivered at 145m2/1000 people. Assuming 10,000 dwellings land				
for the delivery of a 3,335m2 community building/s to				
be delivered by developer, although CIL receipt will			00.000.000	
cover construction costs.			-£6,300,000	
Health provision				
1 GP surgery Health Hub (Allow for 1 extension)	Wokingham Clinical			
Tangary Manual I and Canada To Morbiolity	Commissioning Group have			
	recently indicated that a			
	threshold of 30,000 people		£20,000,000	
	applies to development			
	requiring a dedicated new			
La la constanti de la constant	surgery.			
Indoor Leisure Facilities  MDD DPD standard is 8.26m2/1000 people.				
Assuming 10,000 dwellings, land for the delivery of a				
200m2 pool space to be delivered by developer,				
although CIL receipt will cover construction costs.			-£500,000	
Possibly to be delivered at Arborfield Garrison site -			2000,000	
USE COMMUNITY BUILDING ASSUMPTIONS				
MDD DPD standard is 65.43m2/1000 people.				
Assuming 15,000 dwellings, land for the delivery of a				
1600m2 Sports hall activity space to be delivered by				
developer, although CIL receipt will cover construction				
costs. Possibly to be delivered at Arborfield Garrison			-£4,000,000	
site - USE COMMUNITY BUILDING ASSUMPTIONS				
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- Electric vehicle infrastructure
- Flood alleviation costs provisional sum allowed only
- Waste/recycling costs
- Commercial development indicative quantum yet to be determined

#### Outcome of initial baseline viability assessment: 7,000 units

- 1. The required level of developer's profit
- 2. The required level of CIL
- 3. The required level and mix of affordable housing
- 4. A land value above existing use value but below benchmark land value, indicating that this scenario is at risk of non-delivery even if external funding is provided.
- 5. Where the 7,000 unit option forms the Wokingham District Council part of a larger 10,000 unit option, then it benefits from economies of scale and the impact of a higher density on the initial site preparation costs. In this scenario, the land value generated is improved, and appears viable but marginal, however the level of infrastructure costs required to be met off site exceeds the level of CIL generated by the development, therefore without other funding the option is unlikely to be deliverable.

#### Phasing, delivery and infrastructure assumptions – 10,000 unit option

The 10,000 unit option is assumed to be delivered as 8 strategic phases of 850, 1300, 1350, 1350, 1350, 1350 and 1150 units respectively delivered over a total circa 23 year period including lead in time. As for the 5,000 and 7,000 unit options, this is an ambitious timescale for a scheme of this magnitude, but reflects the approach that Wokingham takes to instigating the delivery of infrastructure.

At this level of development and over this timescale, there can be little certainty over the rate of delivery or overall viability as this crosses a number of property cycles during which the market could and most probably will change significantly.

The specific infrastructure which is **assumed to be a cost to the development** aside from that set out above amounts to some £142,648,733 and is as follows:

1.	Highways infrastructure (Costed by PBA)	Total	£56,000,000		
•	Upgrade current A33 junction	£2,000,000			
•	New A33 junction	£4,000	,000		
•	Additional new A33 junction	£4,000	,000		
•	A33 upgrade	£10,00	0,000		
•	Strategic Routes contained within the site	£24,00			
•	New footways/cycleways	£12,00	0,000		
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2.	Utility costs/Other	Total	£44,690,400		
	Floatricity, analta and effaits	C11 00	0.000		
•	Electricity – onsite and offsite	£11,900,000			
•	Gas – onsite and offsite	£7,255,600			
•	Water – onsite and infrastructure charges	£7,421,120			
•	Foul Water – onsite and infrastructure charges	£17,113,680			
•	Allowance for strategic flood alleviation modelling	£1,000	,000		
3.	Sustainable transport measures (Costed by PBA)	Total	£23,125,000		
	New Pue convince	C12 00	0.000		
•	New Bus services	£12,00	•		
•	Bus stop infrastructure	£1,000			
•	My Journey Travel Plan contributions	£10,12	5,000		

4.	Open space allowances	Total	£18,833,333		
		04.000			
•	SANG	£4,800,000			
•	Open space management	ace management £2,700,000			
•	Children's play	£9,333,333			
•	Playing pitches	£2,000	,000		

•	Improved access to and upgrades of Mortimer Station and Green Park Station New Station, car park and public transport interchange (Assumed 3 <sup>rd</sup> party cost)		£15,000,000 £20,000,000
•	New linkages across the railway		£24,000,000
•	Bridge works across M4		£16.000.000
•	Mereoak park and ride extension		£6,000,000
•	New southern Park & Ride		£10.000.000
•	MRT enhancements and upgrades		£55,000,000
•	1000 space car park (assumed 3 <sup>rd</sup> party cost)		£7,500,000
•	M4 improvements Junction 10 to Junction 12		£36,666,667
•	Pending technical studies, upgrade of westbound vehicular routes		£1,000,000
•	New bridge over Kennet and Avon Canal		£6,000,000
•	Educational facilities, 5 x Primary schools (3 x 3fe, 2 x 2fe); 2 x Secondary schools (1 x 6	fe; 1 x 8	Bfe)
			£116,000,000
•	Construction costs for allotments (Land provided by developer)		£800,000
•	Community facilities		£9,000,000
•	Health facilities		£20,000,000
•	Indoor leisure facilities		£4,500,000
		Total	£347,466,667

Infrastructure Item	Comparables / Notes	Length of Road (m)	Estimated Cost	Estimated Cost per Dwelling
Strategic Transport				
Highway Infrastructure  Look to Improve use and access and possible	0 5 1		045 000 000	04.500
upgrades to Mortimer station or GreenPark  New station car park & public transport interchange	Green Park		£15,000,000	£1,500
<u> </u>	Estimate based onTwyford station example		£20,000,000	£2,000
New linkages across the railway	South Wokingham SDL		£12,000,000	£1,200
New linkages across the railway	South Wokingham SDL		£12,000,000	£1,200
New bridge across M4	SERR		£16,000,000	£1,600
New Park and Ride	Mereoak Extension		£6,000,000	£600
New park and Ride	New Southern P&R		£10,000,000	£1,000
Mass Rapid Transit scheme enhancements and	RBC South Reading MRT		£55,000,000	£5,500
Upgrades New bus services	scheme Arborfield SDL			
Bus stop infrastructure			£12,000,000	£1,200
My Journey Travel Plan contribution	Arborfield SDL  Current My Journey Travel Plan		£1,000,000 £10,125,000	£100 £1.013
	Caroni my Courney Traver Tian			21,010
Car parks 1000 spaces	Network Rail Figures	£2500 surface and £125000 per deck	£7,500,000	
M4 Junction Improvements (Jct 10 to 12)	(last up grade figure)		£36,666,667	£3,667
Uggrade Current A33 Junction	SERR		£2,000,000	£200
New A33 Jct			£4,000,000	£400
New A33 Jct			£4,000,000	£400
A33 Upgarde			£10,000,000	£1,000
Pending technical studies, upgrade of westbound vehicular routes	Needs modelling and to locate suitable route		£1,000,000	£100
New bridge over Kennet and Avon canal			£6,000,000	£600
Site contained strategic routes. Estimated 8km.	7.3m wide carriageway	8000		
New footways / cycleways (adj. and non-adj to		8000	£24,000,000	£2,400
carriageway) Strategic Flood Alleviation			£12,000,000	£1,200
TBC (detailed flood modeling work required to determine interventions)			£1,000,000	£100
Waste			tbc	
Waste disposal Recycling			tbc	
Utilities	Assumed 50% upfront and rest		£7,400,000	
Electricity onsite	over dev period Assumed 50% upfront and rest			
Electricity offsite	over dev period Assumed 50% upfront and rest		£4,500,000	
Water onsite	over dev period Assumed 50% upfront and rest		£6,020,000	
Water infrastructure charge	over dev period		£1,401,120	
Water offsite	Assumed 50% upfront and rest over dev period		£0	
Gas onsite	Assumed 50% upfront and rest over dev period		£7,005,600	
Gas offsite	Assumed 50% upfront and rest over dev period		£250,000	
Telecoms onsite	Assumed 50% upfront and rest over dev period		£0	
Telecoms offsite	Assumed 50% upfront and rest over dev period		£0	
	Assumed 50% upfront and rest		£15,012,000	
FW onsite	over dev period Assumed 50% upfront and rest		£2,101,680	
FW infrastructure charge	over dev period Assumed 50% upfront and rest		£0	
FW offsite Education	over dev period		20	
Primary: 2x2FE and 2x3FE (including nursury class)			£44,000,000	£4,400
Secondary: 1x 6Fe and 1x8Fe			£72,000,000	£7,200
Further and Higher Education	Not provided or funded by WBC – no obvious infrastructure (even at a Berks level) to aim for. RU have consolidated activities onto the Whiteknights campus in recent years. The national agenda for FE is towards consolidation at the moment		твс	
Lifelong learning (Courses are delivered from a variety of venues – college sites, libraries and community use centres)			£200,000	£20
Special Education Needs Provision (Approximately 1% of the child population need education in a Special School and these serve discrete need groups. No strategic need.)			£300,000	£30

SANG 1.73-2.16ha / 1,000 people (416 dwellings @ 2.4 persons per dwelling). Schemes between 5-7km of Thames Heath Basin SPA (i.e. Grazeley) cost circa £1,500 per dwelling to mitigate.).  Assuming 10,000 dwellings, up to 52ha SANG required, to be delivered by developer through s106 obligation. Commuted sum for maintenance upto £4.8million	The site falls between 5 and 7KM of the SPA.	£4,800,000	
Public Open Space			
Allotments  0.52ha /1000 people (416 dwellings @ 2.4 persons per dwelling). Assuming 10,000 dwellings, up to 12.5ha of land for allotments is required, although CIL receipt will cover construction costs.		£800,000	
Public Parks/Amenity Open Space 2.08ha /1000 people (416 dwellings @ 2.4 persons per dwelling). Assuming 10,000 dwellings, up to 50ha of Public Parks/Amenity Open Space are required, to be delivered by developer through s106 obligation.Commuted sum for maintenance at least £2.7million (depending on actual area of POS delivered)	Childrens' play to be incorporated within parks - Amenity greenspace and civic hard surfaced spaces to be provided within development areas on a site by site basis.	£2,700,000	
Children's Play  0.25ha /1000 people (416 dwellings @ 2.4 persons per dwelling). Assuming 10,000 dwellings, up to 6ha of Children's Play space is required, to be delivered by developer through s106 obligation. Commuted sum for maintenance at least £9.33million (depending on actual area and types of play facilities delivered)		£9,333,333	
Playing pitches  1.66ha /1000 people (416 dwellings @ 2.4 persons per dwelling). Assuming 10,000 dwellings, up to 40ha of land for playing pitches is required, although CIL receipt will cover construction costs ( the overall area can be reduced through the provision of high value ATPs.		£2,000,000	
Community			
Community buildings SONC suggests that facilities need to be delivered at 145m²/1000 people. Assuming 10,000 dwellings land for the delivery of a 3,335m² community building/s to be delivered by developer, although CIL receipt will cover construction costs.		-£9,000,000	
Health provision 1 GP surgery Health Hub (Allow for 1 extension)	Wokingham Clinical Commissioning Group have recently indicated that a threshold of 30,000 people applies to development requiring a dedicated new surgery.	£20,000,000	
Indoor Leisure Facilities			
MDD DPD standard is 8.26m²/1000 people. Assuming 10,000 dwellings, land for the delivery of a 200m² pool space to be delivered by developer, although Cl. receipt will cover construction costs. Possibly to be delivered at Arborfield Garrison site - USE COMMUNITY BUILDING ASSUMPTIONS		-£500,000	
MDD DPD standard is 65.43m²/1000 people. Assuming 10,000 dwellings, land for the delivery of a 1600m² Sports hall activity space to be delivered by developer, although CIL receipt will cover construction costs. Possibly to be delivered at Arborfield Garrison site - USE COMMUNITY BUILDING ASSUMPTIONS		-£4,000,000	

- Electric vehicle infrastructure
- Flood alleviation costs provisional sum allowed only
- Waste/recycling costs
- Commercial development indicative quantum yet to be determined

#### Outcome of initial baseline viability assessment: 10,000 units

- 1. The required level of developer's profit
- 2. The required level of CIL
- 3. The required level and mix of affordable housing
- 4. A land value assuming third party funding in excess of existing use value but marginal in terms of benchmark land value. A more detailed examination of the appraisal indicates that the initial phase still makes a significant loss, largely due to the up-front utilities costs, and that the level of infrastructure costs required to be met off site exceeds the level of CIL generated by the development, therefore without other funding the option is unlikely to be deliverable.

#### Phasing, delivery and infrastructure assumptions – 15,000 unit option

The 15,000 unit option is assumed to be delivered as 12 strategic phases of 850, 1300, 135

At this level of development and over this timescale, there can be no certainty over the rate of delivery or overall viability as this crosses a number of property cycles during which the market could and will change significantly.

The specific infrastructure which is **assumed to be a cost to the development** aside from that set out above amounts to some £170,535,600 and is as follows:

1.	Highways infrastructure (Costed by PBA)	Total	£56,000,000
	Upgrade current A33 junction	£3 000	000
•	,	£2,000,000	
•	New A33 junction	£4,000,000	
•	Additional new A33 junction	£4,000,000	
•	A33 upgrade	£10,000,000	
•	Strategic Routes contained within the site	£24,000,000	
•	New footways/cycleways	£12,00	0,000
2.	Utility costs/Other	Total	£63,160,600
•	Electricity – onsite and offsite	£14,60	0,000
•	Gas – onsite and offsite	£10,758,400	
•	Water – onsite and infrastructure charges	£11,131,680	
•	Foul Water – onsite and infrastructure charges	£25,670,520	
•	Allowance for strategic flood alleviation modelling	£1,000	
3.	Sustainable transport measures (Costed by PBA)	Total	£23,125,000
•	New Bus services	£12,00	0,000
•	Bus stop infrastructure	-	-
•	·	£10,125,000	
•	New Bus services Bus stop infrastructure My Journey Travel Plan contributions	£1,000	,000

4.	Open space allowances	Total £28,250,000
•	SANG	£7,200,000
•	Open space management	£4,050,000
•	Children's play	£14,000,000
•	Playing pitches	£3,000,000

Total £407,950,000

Infrastructure Item	Comparables / Notes	Length of Road (m)	Estimated Cost	Estimated C Dwellin
Strategic Transport				
Highway Infrastructure  Look to Improve use and access and possible				
upgrades to Mortimer station or GreenPark	Green Park		£15,000,000	£1,000
New station car park & public transport interchange	Estimate based onTwyford station example		£20,000,000	£1,333
New linkages across the railway	South Wokingham SDL		£12,000,000	£800
New linkages across the railway				
New bridge across M4	South Wokingham SDL		£12,000,000	£800
New Dridge across WH	SERR		£16,000,000	£1,067
New Park and Ride	Mereoak Extension		£6,000,000	£400
New park and Ride	New Southern P&R		£10,000,000	£667
Mass Rapid Transit scheme enhancements and	RBC South Reading MRT			
Upgrades	scheme		£55,000,000	£3,667
New bus services	Arborfield SDL		£12,000,000	£800
Bus stop infrastructure	Arborfield SDL		£1,000,000	£67
My Journey Travel Plan contribution	Current My Journey Travel Plan		£10,125,000	£675
Car parks 1000 spaces	Network Rail Figures	£2500 surface and £125000 per deck	£7,500,000	£500
M4 Junction Improvements (Jct 10 to 12)	(last up grade figure)		£55,000,000	£3,667
Uggrade Current A33 Junction	SERR		£2,000,000	£133
New A33 Jct				
New A33 Jct			£4,000,000	£267
			£4,000,000	£267
A33 Upgarde			£10,000,000	£667
Pending technical studies, upgrade of westbound vehicular routes	Needs modelling and to locate suitable route		£1,000,000	£67
New bridge over Kennet and Avon canal			£6,000,000	£400
Site contained strategic routes. Estimated 8km.	7.3m wide carriageway			
New footways / cycleways (adj. and non-adj to		8000	£24,000,000	£1,600
rvew rootways / cycleways (auj. and non-auj to				
carriageway)			£12,000,000	£800
Strategic Flood Alleviation TBC (detailed flood modeling work required to			£12,000,000 £1,000,000	£800 £67
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste			£1,000,000	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions)			£1,000,000	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste			£1,000,000	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling	Assumed 50% upfront and rest over dev period		£1,000,000	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities Electricity onsite	over dev period Assumed 50% upfront and rest		£1,000,000 tbc tbc	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities Electricity onsite	over dev period Assumed 50% upfront and rest over dev period Assumed 50% upfront and rest		£1,000,000 tbc tbc £11,100,000 £4,500,000	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities  Electricity onsite	over dev period Assumed 50% upfront and rest over dev period Assumed 50% upfront and rest over dev period		£1,000,000  tbc tbc  £11,100,000 £4,500,000 £9,030,000	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities Electricity onsite Electricity offsite	over dev period Assumed 50% upfront and rest over dev period Assumed 50% upfront and rest over dev period Assumed 50% upfront and rest over dev period over dev period		£1,000,000 tbc tbc £11,100,000 £4,500,000	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities Electricity onsite Electricity offsite Water onsite	over dev period Assumed 50% upfront and rest over dev period		£1,000,000  tbc tbc  £11,100,000 £4,500,000 £9,030,000	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities  Electricity onsite  Electricity offsite  Water onsite  Water offsite  Water offsite	over dev period Assumed 50% upfront and rest		£1,000,000 tbc tbc £11,100,000 £4,500,000 £9,030,000 £2,101,680	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities Electricity onsite Electricity offsite Water onsite Water offsite Water offsite Gas onsite	over dev period Assumed 50% upfront and rest over dev 50% upfront and rest		£1,000,000 tbc tbc £11,100,000 £4,500,000 £9,030,000 £2,101,680 £0	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities  Electricity onsite  Electricity offsite  Water onsite  Water offsite  Water offsite	over dev period Assumed 50% upfront and rest over dev period		£1,000,000  tbc tbc  £11,100,000  £4,500,000  £9,030,000  £2,101,680  £0  £10,508,400  £250,000	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities Electricity onsite Electricity offsite Water onsite Water offsite Water offsite Gas onsite	over dev period Assumed 50% upfront and rest over dev period		£1,000,000  tbc tbc  £11,100,000  £4,500,000  £9,030,000  £2,101,680  £0  £10,508,400  £250,000  £0	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities Electricity onsite Electricity onsite Water onsite Water offsite Water offsite Gas onsite Gas offsite	over dev period Assumed 50% upfront and rest over dev period		£1,000,000  tbc tbc  £11,100,000  £4,500,000  £9,030,000  £2,101,680  £0  £10,508,400  £250,000	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities Electricity onsite Electricity offsite Water onsite Water offsite  Water offsite Gas onsite Gas offsite Telecoms onsite Telecoms offsite	over dev period Assumed 50% upfront and rest over dev period		£1,000,000  tbc tbc  £11,100,000  £4,500,000  £9,030,000  £2,101,680  £0  £10,508,400  £250,000  £0	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities Electricity onsite Electricity onsite Water onsite Water offsite  Water offsite Gas onsite Gas offsite Telecoms onsite Telecoms offsite FW onsite	over dev period Assumed 50% upfront and rest over dev period		£1,000,000  tbc tbc  £11,100,000  £4,500,000  £9,030,000  £2,101,680  £0  £10,508,400  £250,000  £0  £0	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities Electricity onsite Electricity onsite Water onsite Water offsite  Water offsite Gas onsite Gas offsite Telecoms onsite FW onsite FW onsite FW onsite FW onsite FW onsite	over dev period Assumed 50% upfront and rest over dev period		£1,000,000  tbc tbc  £11,100,000  £4,500,000  £9,030,000  £2,101,680  £0  £10,508,400  £250,000  £0  £0  £22,518,000  £3,152,520	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities  Electricity onsite  Electricity onsite  Water onsite  Water offsite  Gas offsite  Telecoms onsite  Telecoms offsite  FW onsite  Ew onsite  FW onsite  FW offsite	over dev period Assumed 50% upfront and rest over dev period		£1,000,000  tbc tbc  £11,100,000  £4,500,000  £9,030,000  £2,101,680  £0  £10,508,400  £250,000  £0  £0  £22,518,000	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Recycling Utilities Electricity onsite Electricity offsite Water onsite Water offsite Gas onsite Gas offsite Telecoms onsite Telecoms offsite FW onsite FW onsite FW onsite FW onsite	over dev period Assumed 50% upfront and rest over dev period		£1,000,000  tbc tbc  £11,100,000  £4,500,000  £9,030,000  £2,101,680  £0  £10,508,400  £250,000  £0  £0  £22,518,000  £3,152,520	
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste Waste disposal Recycling Utilities Electricity onsite Electricity offsite Water onsite Water onsite Water infrastructure charge Water offsite Gas offsite Telecoms onsite Telecoms onsite FW onsite FW onsite FW onsite FW onsite FW offsite Education FW offsite Education FW offsite Education FW onsite FW onsite FW offsite Education FW onsite	over dev period Assumed 50% upfront and rest over dev period		£1,000,000  tbc tbc  £11,100,000  £4,500,000  £9,030,000  £2,101,680  £0  £10,508,400  £250,000  £0  £0  £20,518,000  £3,152,520  £0	£4,06
Strategic Flood Alleviation TBC (detailed flood modeling work required to determine interventions) Waste Waste disposal Becycling Utilities Electricity onsite Electricity onsite Electricity offsite Water onsite Water offsite Gas onsite Gas onsite Telecoms onsite Telecoms offsite FW onsite FW onsite FW onsite FW onsite SW onsite FW ons	over dev period Assumed 50% upfront and rest over dev period		£1,000,000  tbc tbc  £11,100,000 £4,500,000 £9,030,000 £2,101,680 £0 £10,508,400 £250,000 £0 £0 £0 £0 £22,518,000 £3,152,520 £0	£67
Strategic Flood Alleviation IBC (detailed flood modeling work required to determine interventions) Waste Waste Waste disposal Recycling Utilities  Electricity onsite  Electricity onsite  Water onsite  Water offsite  Gas onsite  Gas offsite  Telecoms onsite  Telecoms offsite  FW onsite  FW onsite  FW onsite  FW onsite  FW offsite  Education Primary: 3x2FE and 3x3FE (including nursury class) £15,000,000 per school  Secondary: 2x 8Fe	over dev period Assumed 50% upfront and rest over dev period  Not provided or funded by WBC – no obvious infrastructure (even at a Berks level) to aim for. RU have consolidated activities onto the Whiteknights campus in recent years. The national agenda for		£1,000,000  tbc tbc  £11,100,000  £4,500,000  £9,030,000  £2,101,680  £0  £10,508,400  £250,000  £0  £0  £22,518,000  £3,152,520  £0  £61,000,000	£4,067

SANG  1.73-2.16ha / 1,000 people (416 dwellings @ 2.4 persons per dwelling). Schemes between 5-7km of Thames Heath Basin SPA (i.e. Grazeley) cost circa £1,500 per dwelling to mitigate.).  Assuming 10,000 dwellings, up to 52ha SANG required, to be delivered by developer through s106 obligation. Commuted sum for maintenance upto £4.8million	The site falls between 5 and 7KM of the SPA.	£7,200,000	
Public Open Space			
Allotments  0.52ha /1000 people (416 dwellings @ 2.4 persons per dwelling). Assuming 15,000 dwellings, up to 18.75ha of land for allotments is required, although ClL receipt will cover construction costs.		£1,200,000	
Public Parks/Amenity Open Space 2.08ha /1000 people (416 dwellings @ 2.4 persons per dwelling). Assuming 15,000 dwellings, up to 75ha of Public Parks/Amenity Open Space are required, to be delivered by developer through s106 obligation.Commuted sum for maintenance at least £4.05 million (depending on actual area of POS delivered)	Childrens' play to be incorporated within parks - Amenity greenspace and civic hard surfaced spaces to be provided within development areas on a site by site basis.	£4,050,000	
Children's Play  0.25ha /1000 people (416 dwellings @ 2.4 persons per dwelling). Assuming 15,000 dwellings, up to 9ha of Children's Play space is required, to be delivered by developer through s106 obligation. Commuted sum for maintenance at least £14million (depending on actual area and types of play facilities delivered)		£14,000,000	
Playing pitches			
1.66ha /1000 people (416 dwellings @ 2.4 persons per dwelling). Assuming 15,000 dwellings, up to 60ha of land for playing pitches is required, although CIL receipt will cover construction costs ( the overall area can be reduced through the provision of high value ATPs.		£3,000,000	
Community			
Community buildings			
SONC suggests that facilities need to be delivered at $145\text{m}^2/1000$ people. Assuming 15,000 dwellings land for the delivery of a 3,335m² community building/s to be delivered by developer, although CIL receipt will cover construction costs.		£13,500,000	
Health provision  1 GP surgery Health Hub (Allow for 2 extension)	Wokingham Clinical Commissioning Group have recently indicated that a threshold of 30,000 people applies to development requiring a dedicated new surgery.	£30,000,000	
Indoor Leisure Facilities			
MDD DPD standard is 8.26m²/1000 people. Assuming 15,000 dwellings, land for the delivery of a 300m² pool space to be delivered by developer, although CIL receipt will cover construction costs. Possibly to be delivered at Arborfield Garrison site - USE COMMUNITY BUILDING ASSUMPTIONS		-£750,000	
MDD DPD standard is 65.43m²/1000 people. Assuming 15,000 dwellings, land for the delivery of a 2400m² Sports hall activity space to be delivered by developer, although CIL receipt will cover construction costs. Possibly to be delivered at Arborfield Garrison site - USE COMMUNITY BUILDING ASSUMPTIONS		-£6,000,000	

- Electric vehicle infrastructure
- Flood alleviation costs provisional sum allowed only
- Waste/recycling costs
- Commercial development indicative quantum yet to be determined

#### Outcome of initial baseline viability assessment: 15,000 units

- 1. The required level of developer's profit
- 2. The required level of CIL
- 3. The required level and mix of affordable housing
- 4. A land value in excess of existing use value and benchmark land value is generated where it is assumed that offsite costs will be met through CIL or third-party funding, therefore indicating viability, but a more detailed examination of the appraisal indicates that the initial phase makes a loss. Overall the proposal indicates that with the required up front infrastructure support, the location has the potential to be viable for a very significant housing development, however the level of infrastructure costs required to be met off site exceeds the level of CIL generated by the development, therefore without other funding the option is only likely to be deliverable on the basis of an optimistic view of value growth.