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VIABILITY & FEASIBILITY IN PLANNING

MITCHELL MCDERMOTT

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IRISH PLANNING
INSTITUTE

Institiúid Pleanála Na hÉireann



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COMPANY INFORMATION

INTRODUCTION

60 Personnel in Dublin

DIRECTORS

Paul Mitchell
Anthony McDermott
Michael Gallagher

SERVICES

Quantity Surveying

Project Management

Pre-Acquisition Technical Due

Diligence

Recovery

Financial Modelling

Expert Witness

SECTORS

Healthcare (Nursing Homes & Primary Care Centres)

Residential (Housing & Apartments)

Student Accommodation

Hotels

Retail (Development & Fit Out)

Data Centres

Culture (Arts, Entertainment)

Offices (New Build & Fit Out)

Pharmaceuticals

OUR TEAM



Paul Mitchell
Director

Anthony McDermott
Director

Michael Gallagher
Director



Fergal Beacon
Divisional
Director

Ronan Tynan
Divisional
Director

Fearghal Rooney
Divisional
Director

Rory Carter
Associate

Alan Maguire
Associate

Conor Dempsey
Associate

Dean Elcock
Associate

Paul McAteer
Associate

Adrian Lynch
Associate

Martin Andrews
M&E Consultant

Ian Kilcoyne
Capital
Allowances

Ciara Mulholland
Senior Project
Manager

Kevin Culhane
Senior Project
Manager

Paul Conlon
Senior Project
Manager

Jannes Van
Rensburg
Senior QS

Patrick
Blennerhassett
Senior QS

Neil O'Loughlin
Senior Quantity
Surveyor

Aaron O'Hara
Senior Quantity
Surveyor

Riain O'Connell
Senior Quantity
Surveyor

Conor
McBrearty
Senior QS

Bronagh Duggan
Senior Quantity
Surveyor

Lisa Cleary
Project Manager

Amandy Jap
Quantity
Surveyor

Kieran O'Leary
Project Manager

Charlie Myles
Project Manager

Adam Roche
Project Manager

Robert
McNamara
Senior QS

Mark McElhinney
Quantity Surveyor

Andrew Baldwin
Quantity Surveyor

Dean Gallagher
Quantity Surveyor

Noel Kane
Quantity Surveyor

June Koay
Quantity Surveyor

Terry O'Rourke
Quantity Surveyor

Jeff Hughes
Quantity Surveyor

Tommy Murphy
Quantity Surveyor

Patrick Darcy
Quantity Surveyor

Imane Hachadi
Ass. Project
Manager

Kristyan Murray
Quantity
Surveyor

Niall McLarnon
Ass. Quantity
Surveyor

Orla Cahill
Ass. Quantity
Surveyor

Jack Cronin
Ass. Quantity
Surveyor

Tom Molony
Ass. Quantity
Surveyor

Orna Daly
Ass. Quantity
Surveyor

Andrew Doohan
Ass. Quantity
Surveyor

Peter Hammond
Ass. Quantity
Surveyor

Jessica Harris
Ass. Quantity
Surveyor

Martin McGettigan
Ass. Quantity
Surveyor

Megan O'Brien
Ass. Quantity
Surveyor

Wai Kee Chan
Ass. Quantity
Surveyor

Cally Loi
Ass. Quantity
Surveyor

Marie-Claire Kerrin
PM & Office Admin

Joy Hall
Office Manager

Christina Van Aesch
Finance Manager

Birute Maskyte
HR Manager

COMPANY INFORMATION

INTRODUCTION

Paul Mitchell

- 25 years in industry
- QS
- PM
- Development Advisory





1. DEVELOPMENT APPRAISAL

WHAT IS IT?

- It is a financial calculation to see if a development returns the required profit from Sales after all costs are met

Total Revenue

- Total Costs

Profit

WHAT IS IT?

REVENUE – **COSTS** =/≠ **PROFIT**

- Sales
- Rent

- Site
- Development Contributions
- Statutory Fees
- Construction Costs
- Professional Fees
- Sales and Letting Fees
- Legal costs
- Accounting
- Finance (Debt/Equity/Mezz)
- Inflation
- Contingency

DEVELOPMENT APPRAISAL

Worked example..

- Greenfield site
- 12 Houses + 49 Apartments
- Dublin
- Planning granted
- Willing Lender and Developer



DEVELOPMENT APPRAISAL



1. Sales Values (avg. €355k ea.)	€19.07m
2. Development Costs	
a. Site Cost	€3.10m
b. Statutory Fees and Contributions	€1.81m
c. Construction Costs	€14.06m
d. Design Team Fees	€0.48m
e. Legals and Accounting	€0.20m
f. Sales & Letting Costs	€0.49m
g. Funding Costs	€0.31m
Sub-total	€20.45m
3. Loss	-€1.38m

DEVELOPMENT APPRAISAL



1. Sales Values (avg. €355k ea.)	€19.07m
2. Development Costs	
a. Site Cost	€3.10m
b. Statutory Fees and Contributions	€1.81m
c. Construction Costs	€12.29m (-€1.77m)
d. Design Team Fees	€0.48m
e. Legals and Accounting	€0.20m
f. Sales & Letting Costs	€0.49m
g. Funding Costs	€0.25m
Sub-total	€18.62m
3. Profit (2.4%)	€0.45m
4. Enough?	

DEVELOPMENT APPRAISAL

What's the difference
between a
Development
Appraisal and a
Residual Appraisal?



RESIDUAL APPRAISAL



1. Sales Values (avg. €355k ea.)		€19.07m
2. Development Costs		
a. Statutory Fees and Contributions	€1.81m	
b. Construction Costs	€12.29m	-€1.77m
c. Design Team Fees	€0.48m	
d. Legals and Accounting	€0.20m	
e. Sales & Letting Costs	€0.49m	
f. Funding Costs	€0.31m	
Sub-total		€15.52m
3. Total available for Site and Profit		€3.55m
4. Deduct required profit/risk (15%)		-€2.33m
5. Available for site purchase:		€1.22m
6. Site on sale is guiding at €3.1m....		

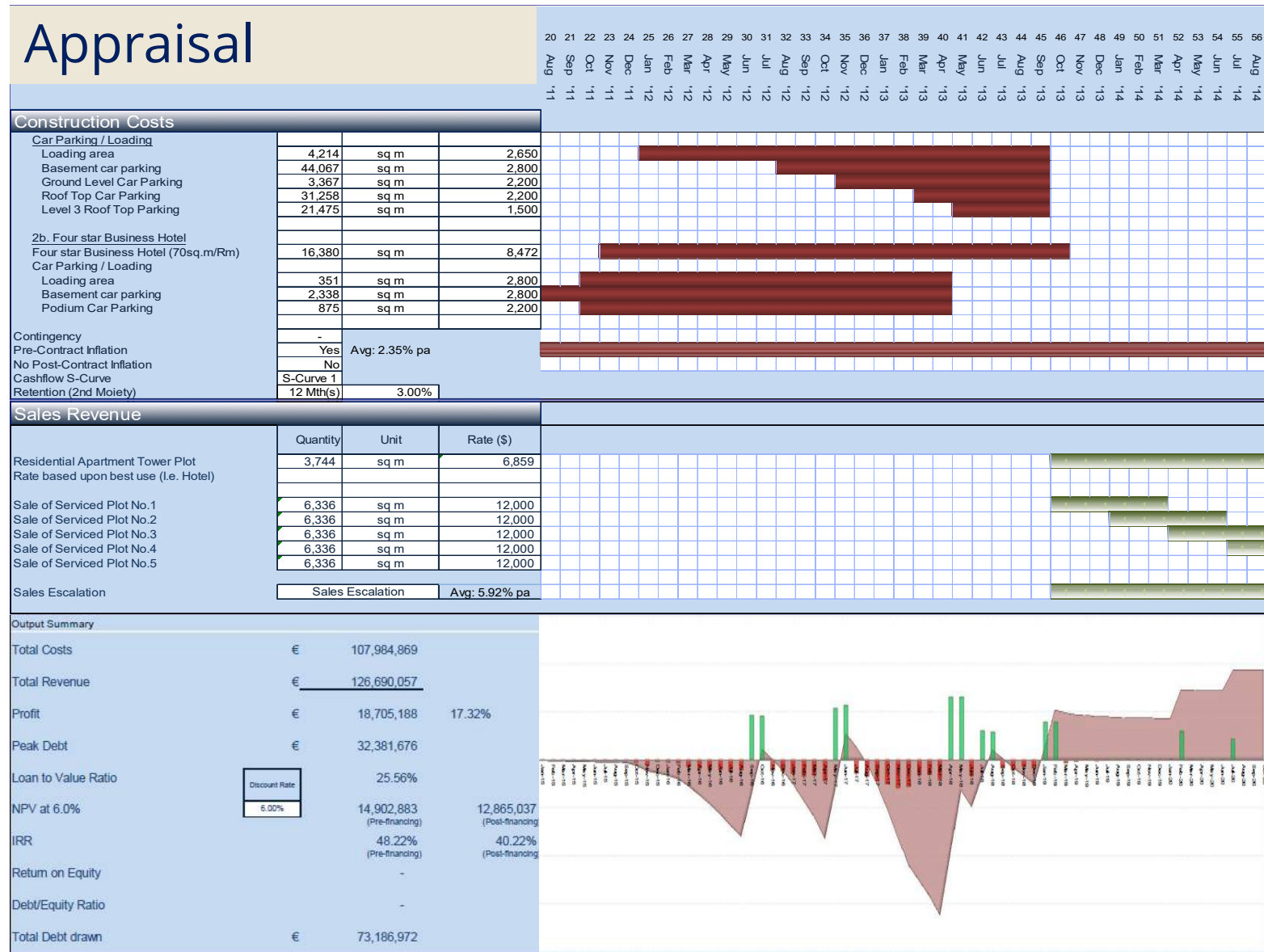
RESIDUAL APPRAISAL

How much have I left
after all projected
costs to pay for the
land?



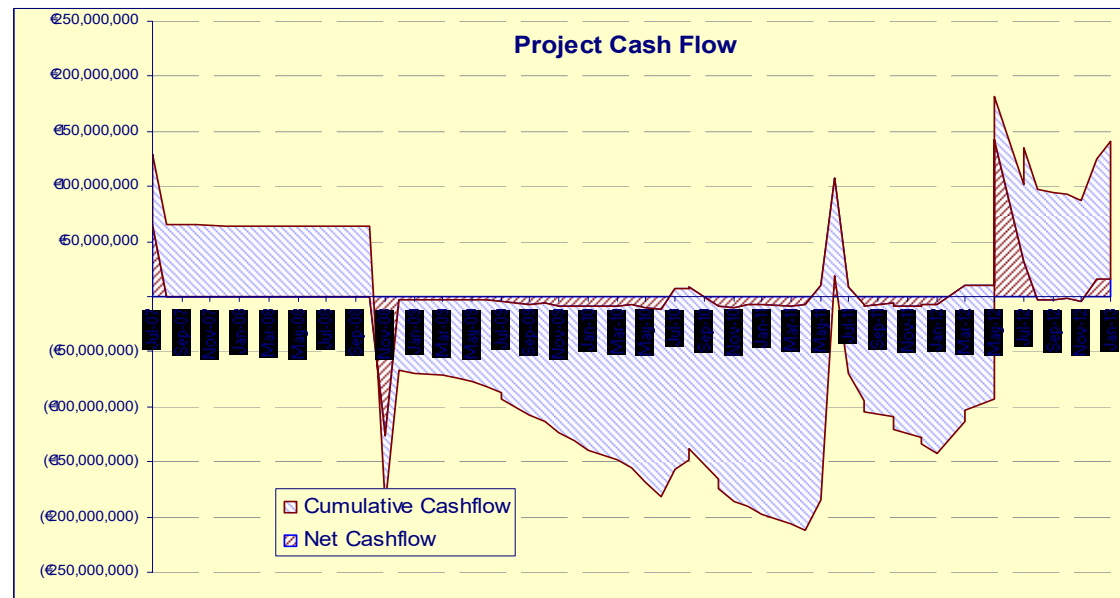
DEVELOPMENT APPRAISAL

- The initial appraisal can be quite simple but more complex developments require more detailed financial models.



Development Model KPI's

- NPV, IRR
- Peak Debt
- LTV
- Debt / Equity
- Cashflow smoothing

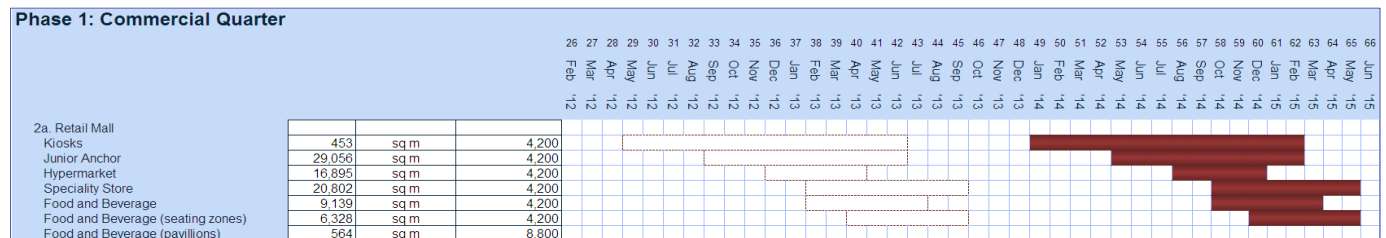


Inflation

- Inflation modelling

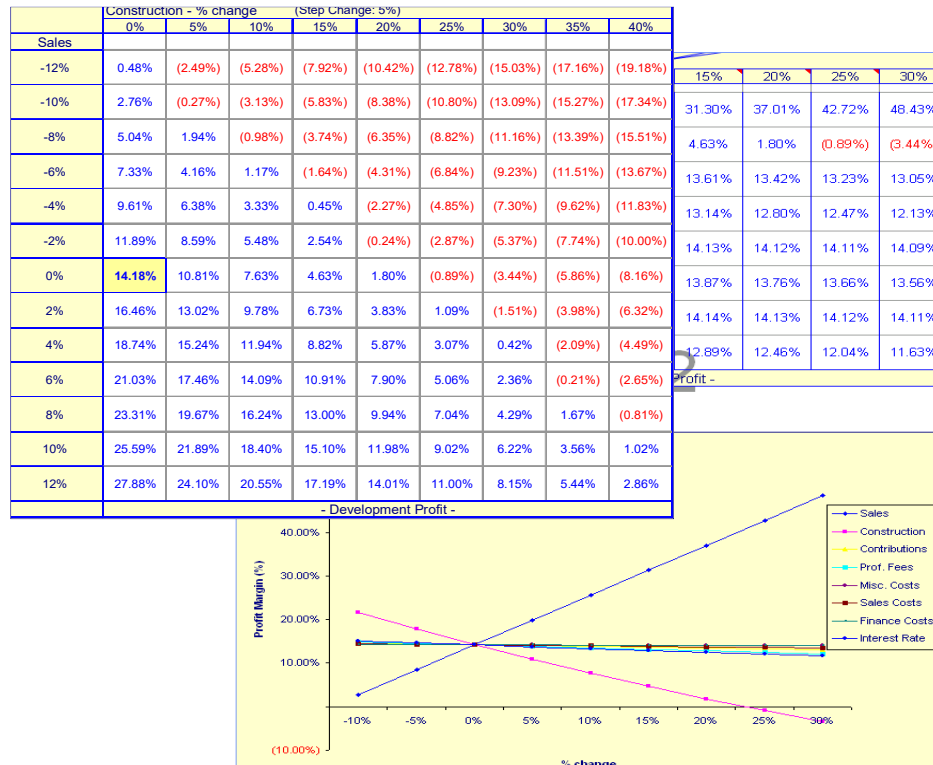
Macroeconomics						
Inflation / Cost Escalation						
Construction Cost Escalation						
Construction Cost Escalation						
	Yr 2010	Yr 2011	Yr 2012	Yr 2013	Yr 2014	Yr 2015
Pre-Contract Inflation	4.50%	5.60%	6.00%	6.00%	6.00%	6.00%
Post-Contract Inflation	3.00%	4.00%	6.00%	6.00%	6.00%	6.00%
Other Cost Escalations						
	Yr 2010	Yr 2011	Yr 2012	Yr 2013	Yr 2014	Yr 2015
No Escalation	-	-	-	-	-	-
Prof. Escalation	3.00%	4.00%	4.00%	4.00%	4.00%	
Misc. Escalation						
Sales Cost Escalation						
Sales Escalation	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Leases Escalation	2.50%	5.00%	5.00%	5.00%	5.00%	5.00%
Rental Escalation	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%

- Impact of programme delays



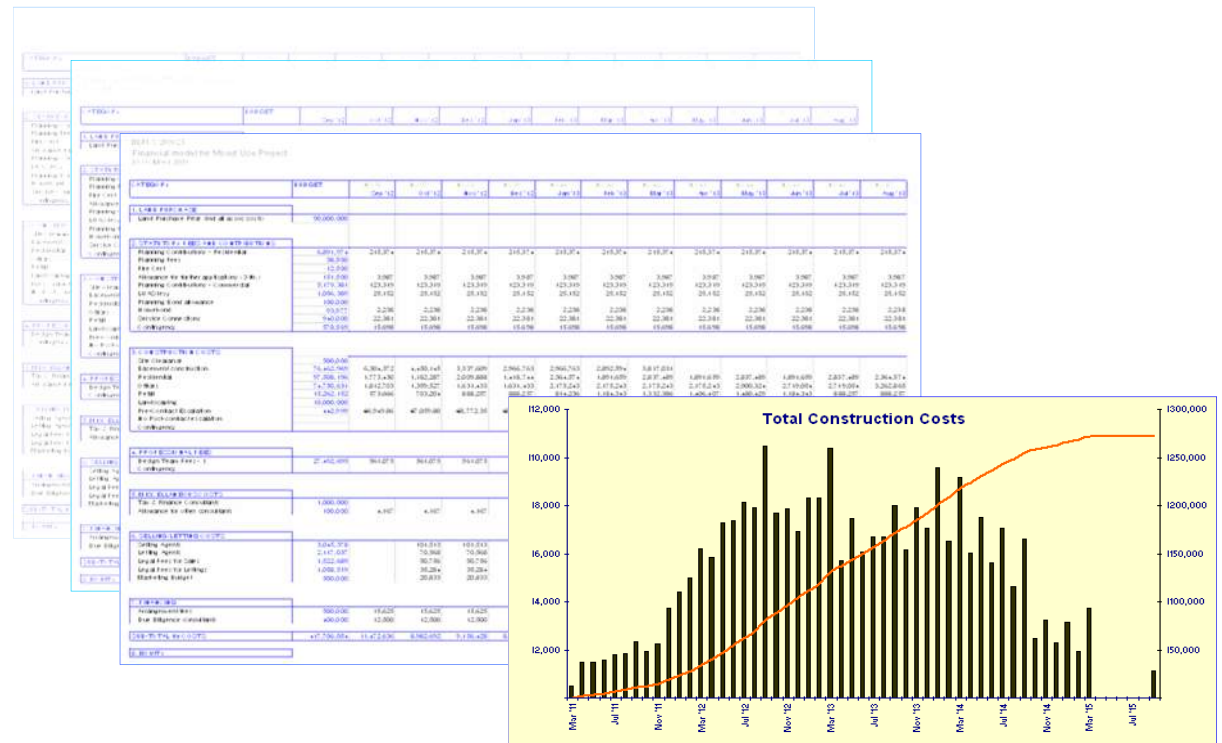
Sensitivity Analysis

- Map main drivers
- Programme sensitivity analysis
- Test phasing of upfront Infrastructure
- Determine appropriate time for 3rd party funding e.g. public grants, investor funds etc
- Pre-empt Funder's due diligence



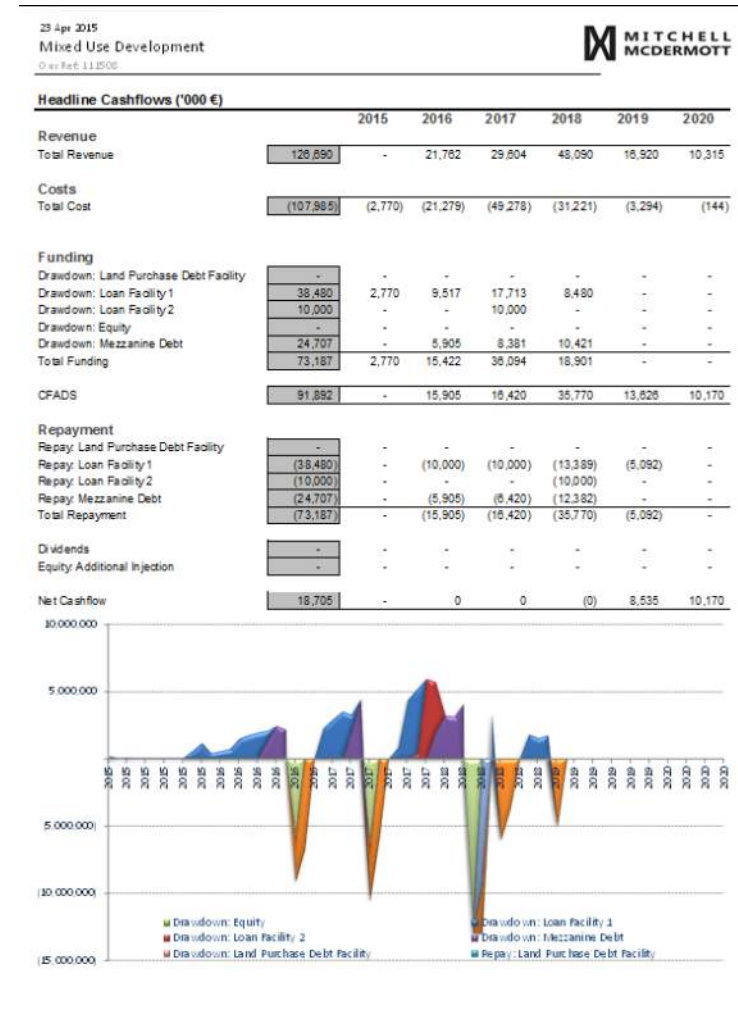
DEVELOPMENT APPRAISAL Cashflows

- Automatic 'S-curve' cashflowing
- Detailed cashflow reports
- Revenue
- Construction



Funding

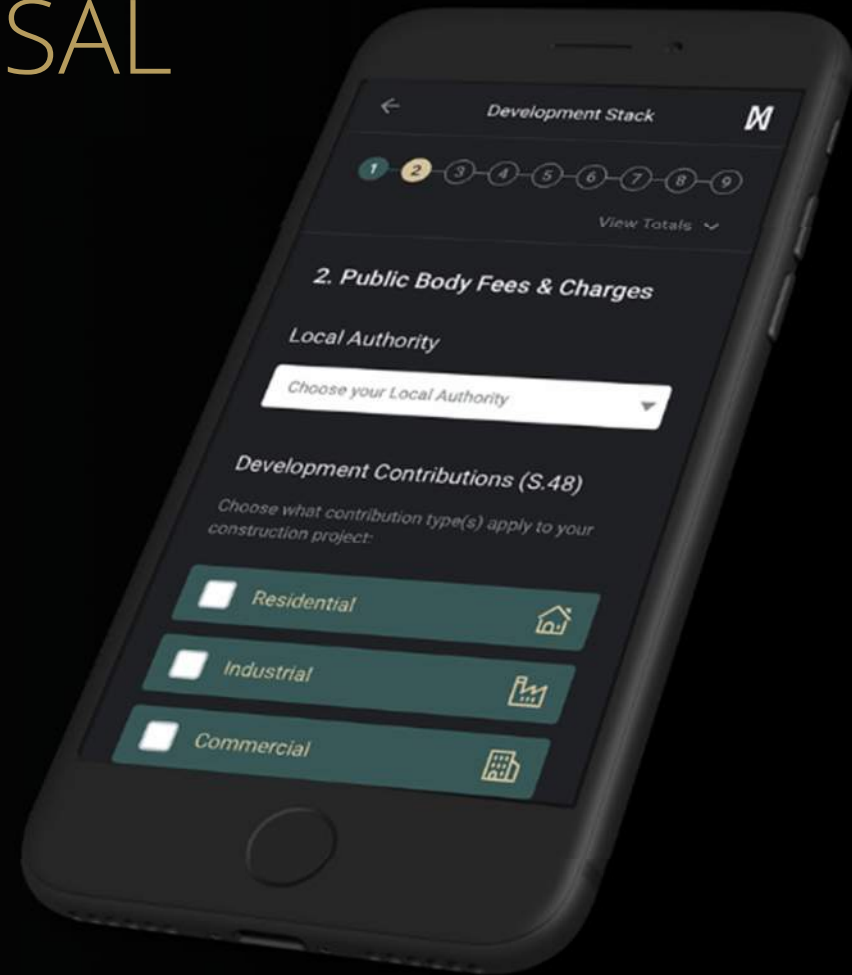
- Senior Debt
- Junior Debt
- Equity
- Mezzanine
- Cashflow is critical



DEVELOPMENT APPRAISAL

DOWNLOAD OUR APP

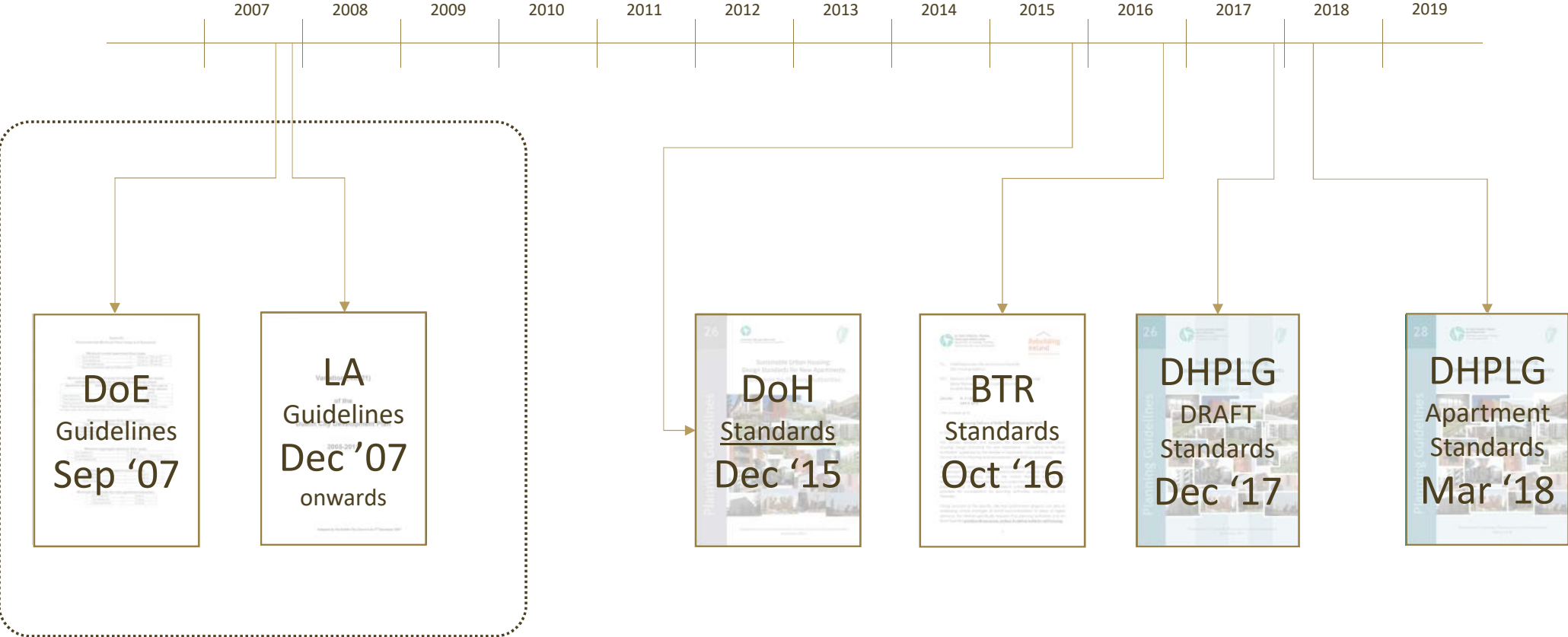
Take-in our in-depth Spotlight briefings,
research reports and news on the go.



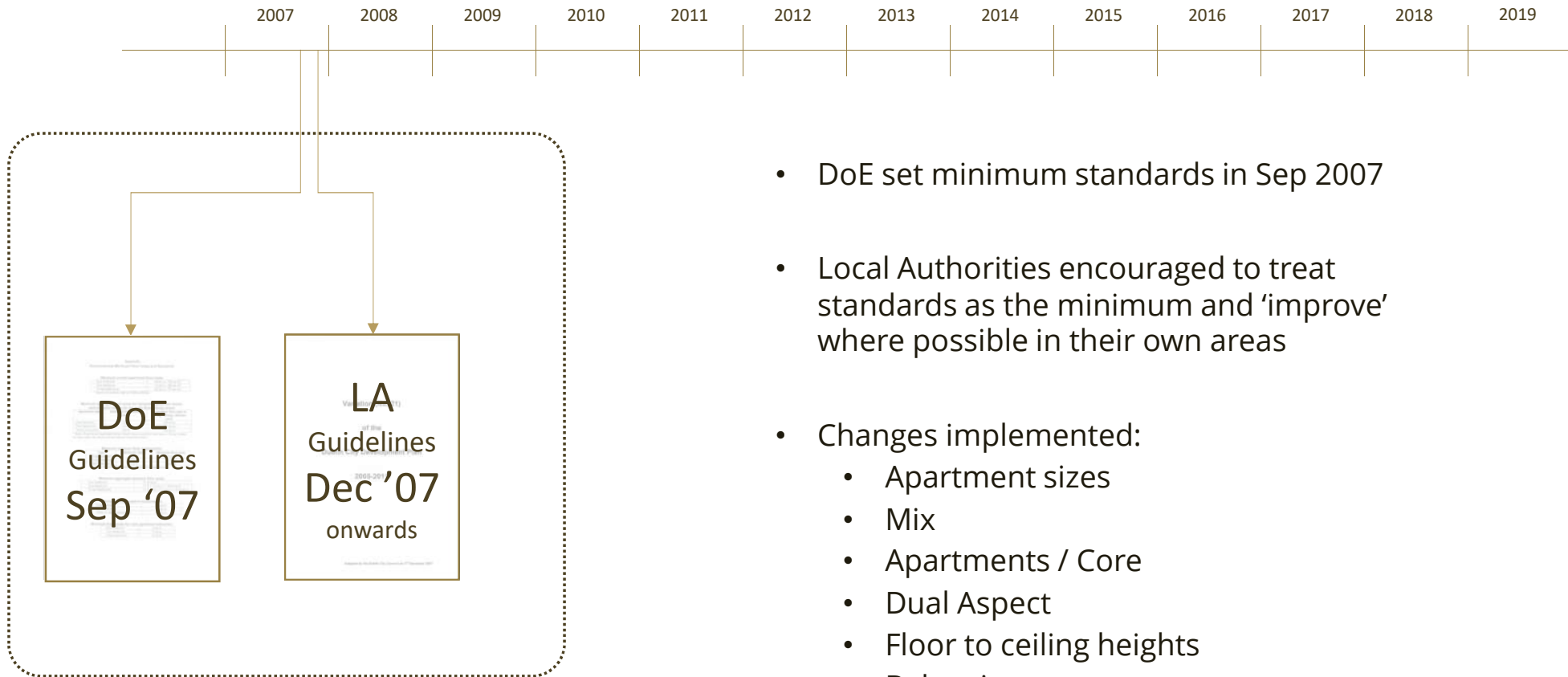
What impact does Planning have on Appraisals?



APARTMENT DESIGN GUIDELINES / STANDARDS

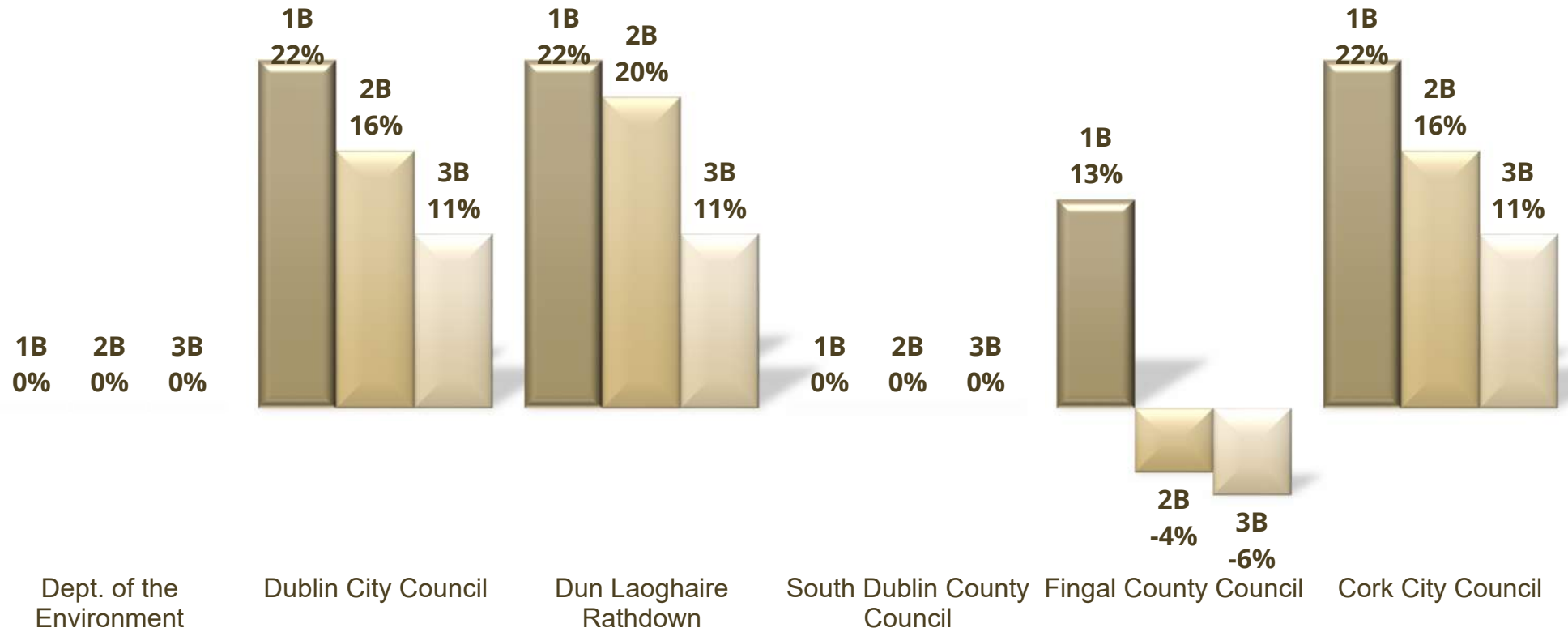


APARTMENT DESIGN GUIDELINES / STANDARDS

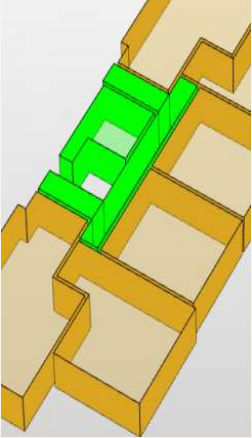
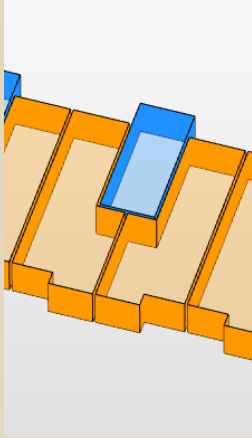
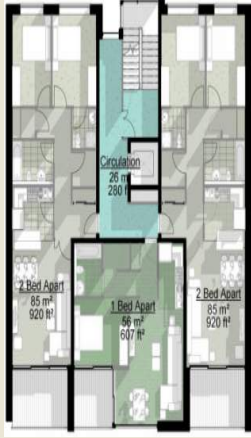
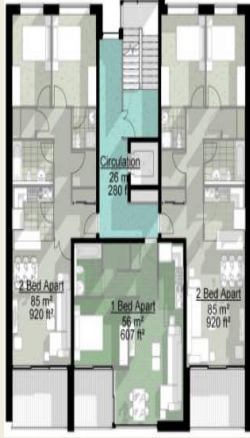
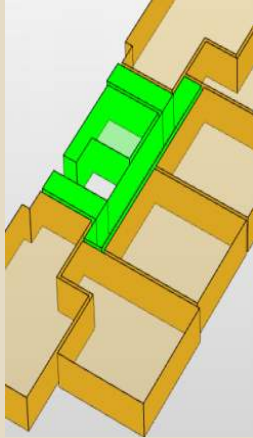
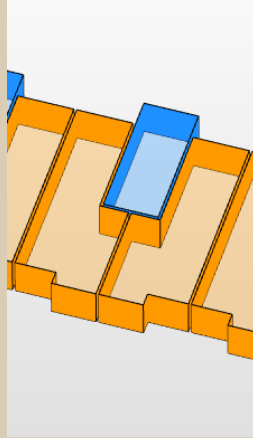


- DoE set minimum standards in Sep 2007
- Local Authorities encouraged to treat standards as the minimum and 'improve' where possible in their own areas
- Changes implemented:
 - Apartment sizes
 - Mix
 - Apartments / Core
 - Dual Aspect
 - Floor to ceiling heights
 - Balconies

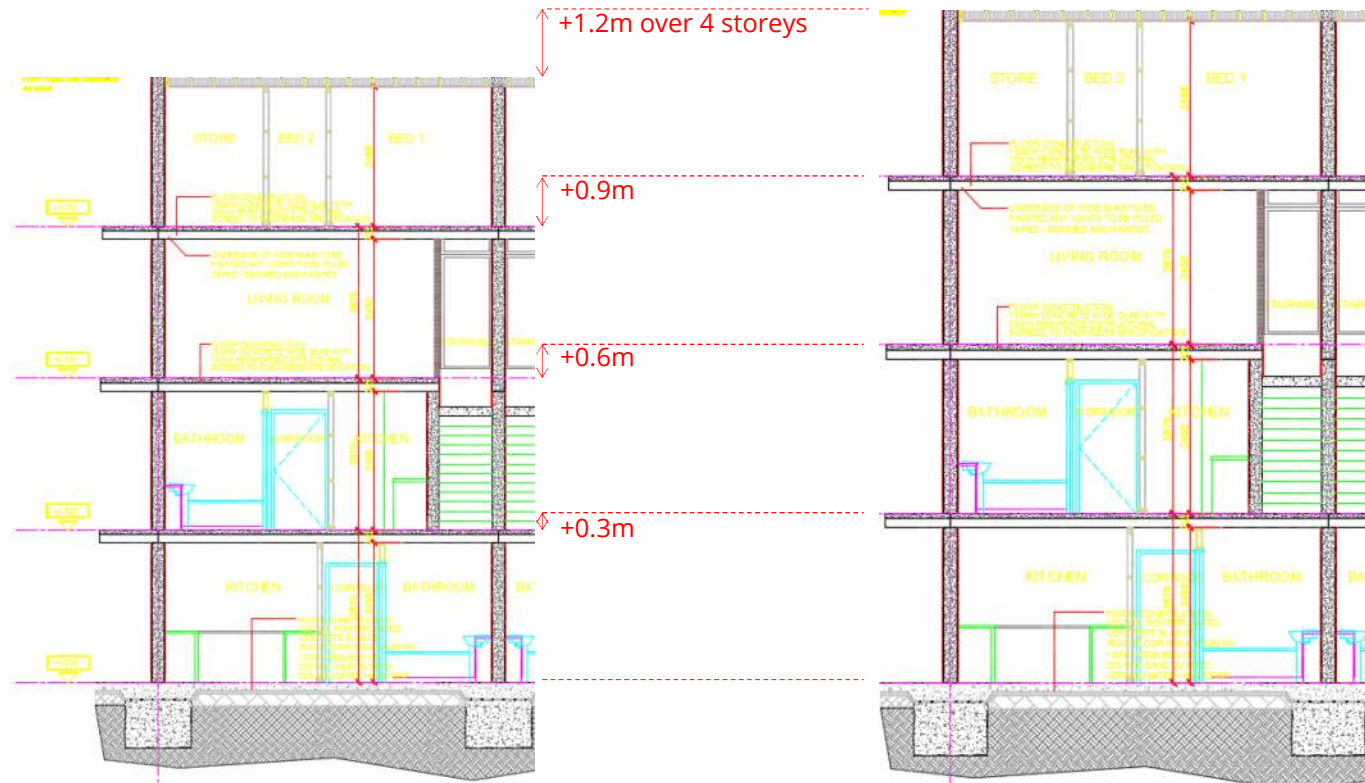
MINIMUM APARTMENT SIZES



DUAL ASPECT

DoE	DCC	DLRCC	SDCC	FCC	CCC
Not Prescriptive	85% Dual Aspect / 2-6 Apts / Core	70% Dual Aspect	3 Apts / Core	Not Prescriptive	90% Dual Aspect / 2-4 Apts / Core
					

FLOOR TO CEILING HEIGHT

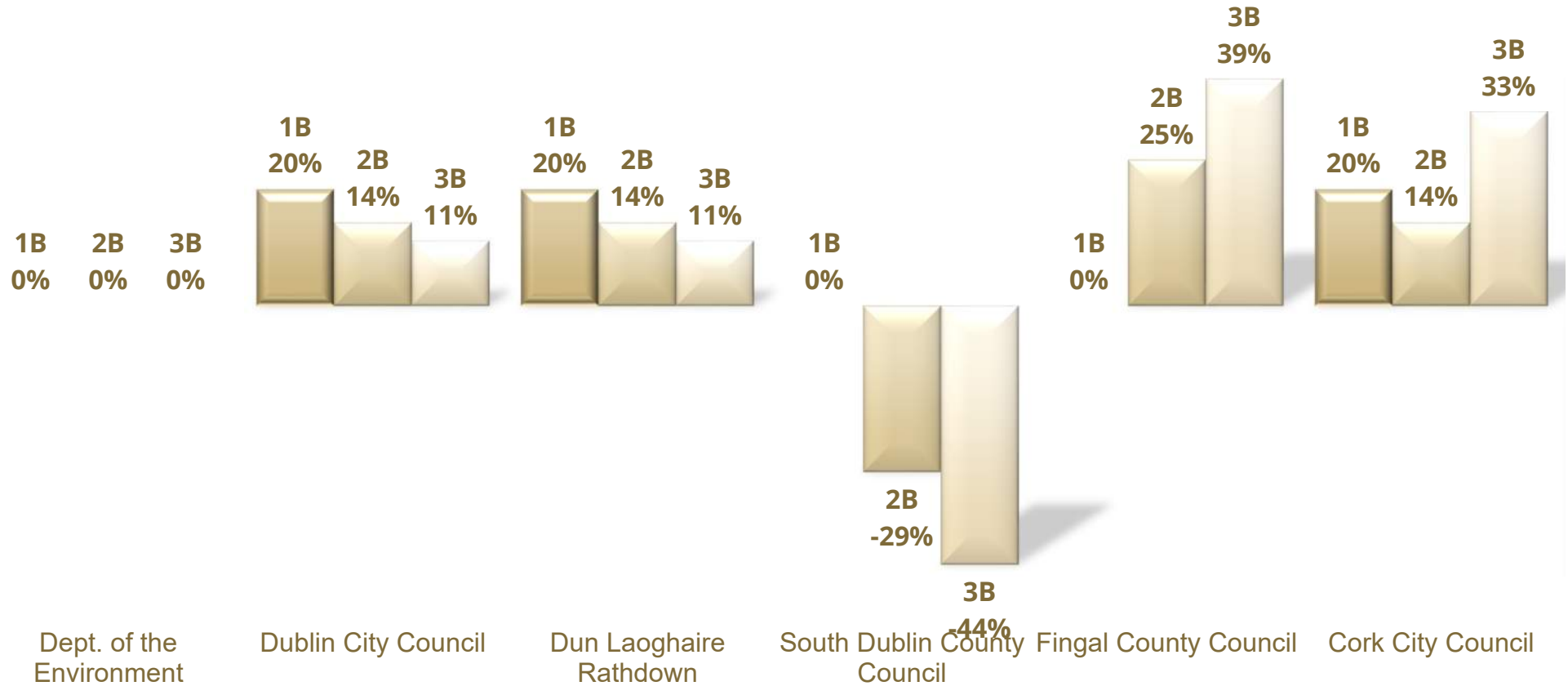


DoE 2.4m floor to ceiling

DCC/FCC/CCC 2.7m floor to ceiling

- Heights raised by 300mm from 2.4m to 2.7m;
- A second means of escape is required over 11m high

BALCONY SIZE



WORKED EXAMPLE

Assumptions:

1. 100 apartments in both DoE and other LA schemes
2. Mix in accordance with LA Guidelines
3. DoE apartment sizes are set to minimum requirements
4. Average minimum size used where stipulated
5. 6 Storeys high with one level of basement
6. Net to Gross, 80%
7. Site coverage: 50%
8. DoE Model is 3.5 apts/core; Other LAs as per requirements
9. Larger units can be accommodated on same size site



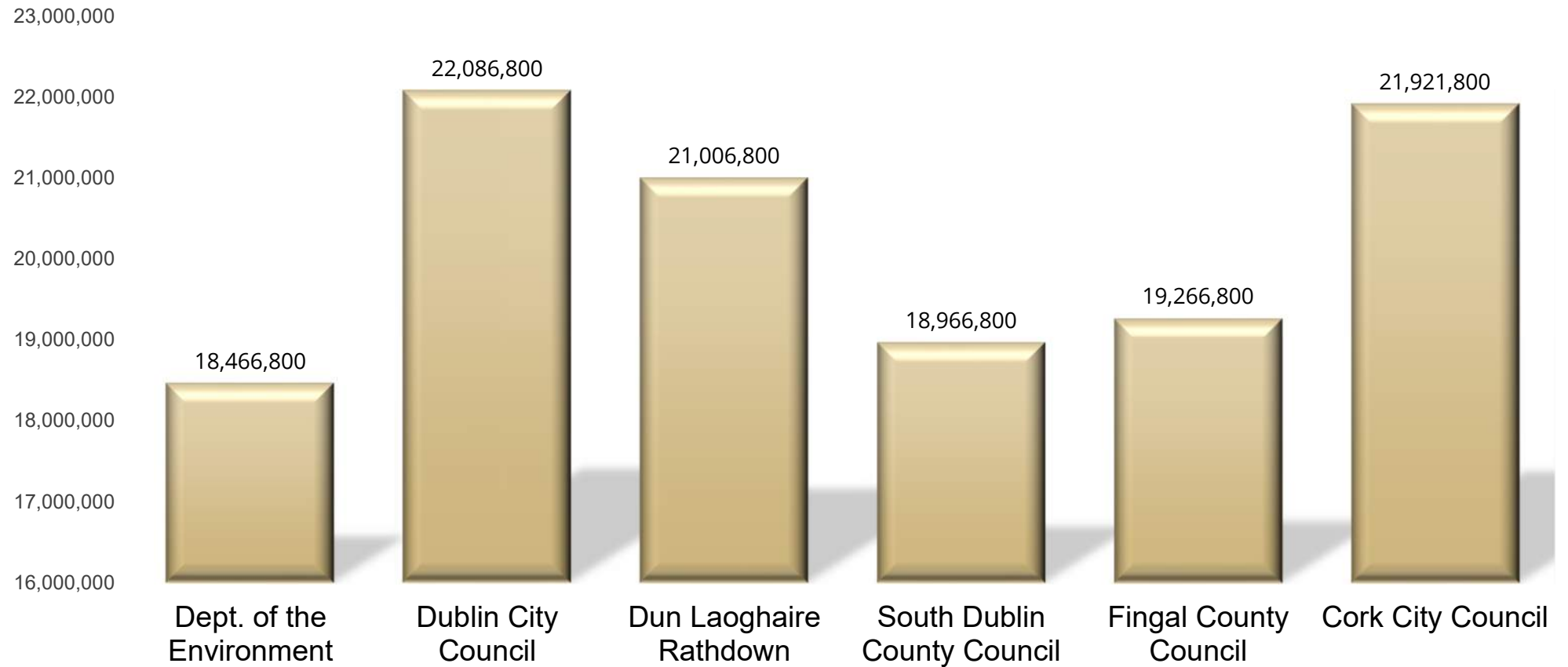
COST IMPACT

Local Authority	DoE			DCC			DLRCC			SDCC			FCC			CCC		
	1B	2B	3B	1B	2B	3B	1B	2B	3B	1B	2B	3B	1B	2B	3B	1B	2B	3B
Floor Area:	-	-	-	€8k	€13k	€10k	€7k	€13k	€7k	-	-	-	€4k	- €2k	- €4k	€7k	€9k	€7k
Dual Aspect:	-	-	-	€16k	€16k	€16k	€13k	€13k	€13k	€5k	€5k	€5k	-	-	-	€17k	€17k	€17k
Floor to Ceiling Height:	-	-	-	€4k	€6k	€7k	-	-	-	-	-	-	€4k	€6k	€7k	€4k	€6k	€7k
Balconies:	-	-	-	€4k	€3k	€1k	€4k	€3k	€1k	-	-*	-*	-	€4k	€5k	€4k	€3k	€4k
TOTAL (per unit):	-	-	-	€32k	€38k	€34k	€24k	€29k	€21k	€5k	€5k	€5k	€8k	€8k	€8k	€32k	€35k	€35k
TOTAL (for 100 Bed Scheme):	-			€3.62m			€2.54m			€0.50m			€0.80m			€3.45m		
				20%			14%			3%			4%			19%		

NOTE: Costs relate to construction costs only and do not include any indirect costs such as VAT, Fees, Development contributions, Finance, Site costs, Marketing, Accounting & Legal fees etc.

This exercise is based on a notional 100 Bed scheme in the Dublin area. Costs will vary naturally between different schemes depending on design.

CONSTRUCTION COST



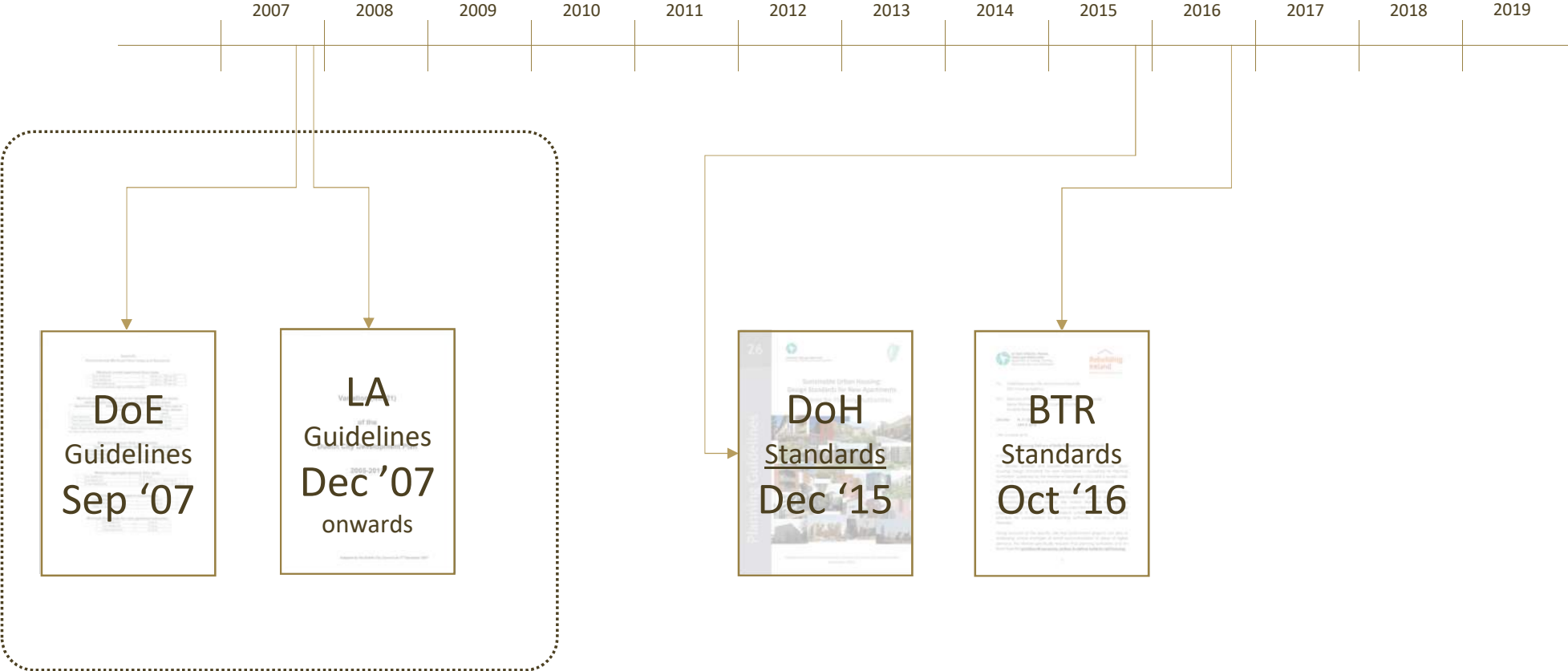
2007 APARTMENT GUIDELINES TOO COSTLY...

So what happened?

- New Department of Housing standards (2015) introduced:
 - Sizes brought back to 2007 levels
 - Dual Aspect requirements relaxed
 - Apartment / Core restrictions relaxed
 - Floor to ceiling heights brought back to 2007 levels
- Additional new regulations issued in 2016 for Build to Rent



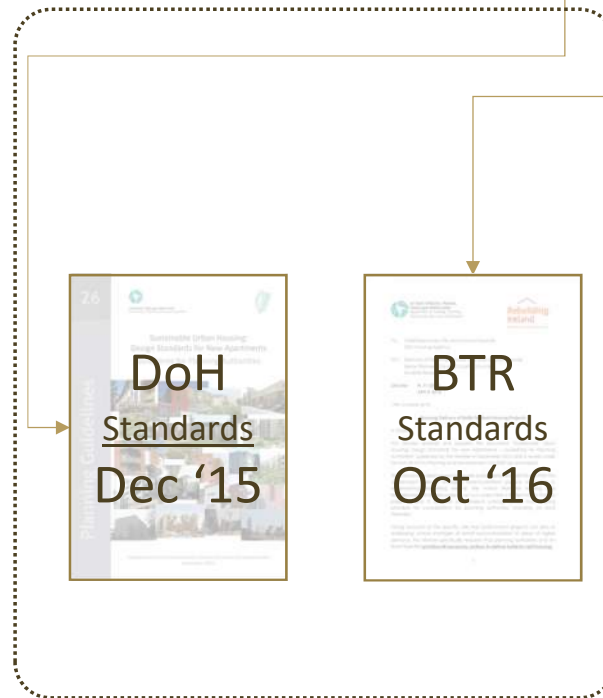
APARTMENT DESIGN GUIDELINES / STANDARDS



APARTMENT DESIGN GUIDELINES / STANDARDS

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

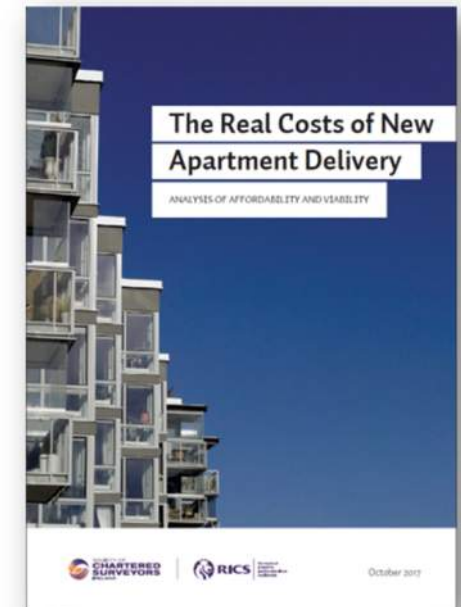
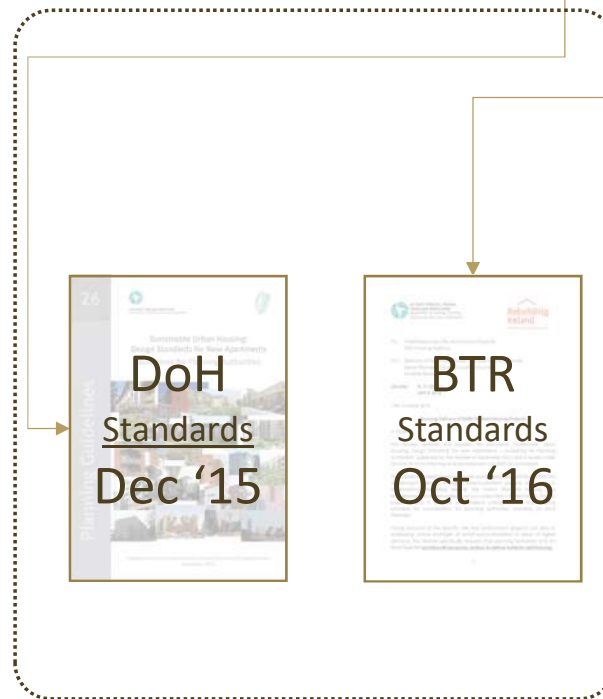
- However....
 - 2014/15 – economy on way back
 - Rising rents
 - Lack of housing stock
 - Viability issues with apartments
 - Pressure to change 2015/16 apartment standards



APARTMENT DESIGN GUIDELINES / STANDARDS

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

- Department of Housing Study in conjunction with RIAI/CIF/SCSI/IEI on apartment affordability
- SCSI report on the affordability and viability of apartment development



SCSI REAL COSTS OF NEW APRTMENT DELIVERY

Highlights..

- Evidence based study on c.2,000 apartments
- Examined Viability and Affordability
- Highlighted viability and affordability issues across 3 categories
- Stressed difference between Density and Height
- Building taller = more expensive
- Examined a number of 'what-if' scenarios, including;
 - Parking; Design standards; Contribution rebate; S.49; Finance; VAT rebate etc



Category 1: Suburban (Low Rise)



- Typ. 3 Storeys
- Domestic construction (sim. to housing)
- Blockwork with plastered walls and some brick
- Steel balconies
- PVC windows
- Fixtures & fittings – lower end of scale
- Domestic mech. system e.g. gas boiler
- Surface car parking
- Tarmac & Grass externally

Category 2: Suburban (Medium Rise)



- 3-6 Storeys
- Concrete framed structure and cores
- More brick / precast panels to external facades
- Recessed balconies
- Aluclad windows or similar
- Fixtures & fittings – medium spec
- More complex mech. system
- Partial basement / undercroft parking
- Hard landscaping

Category 3: Urban (Medium Rise)



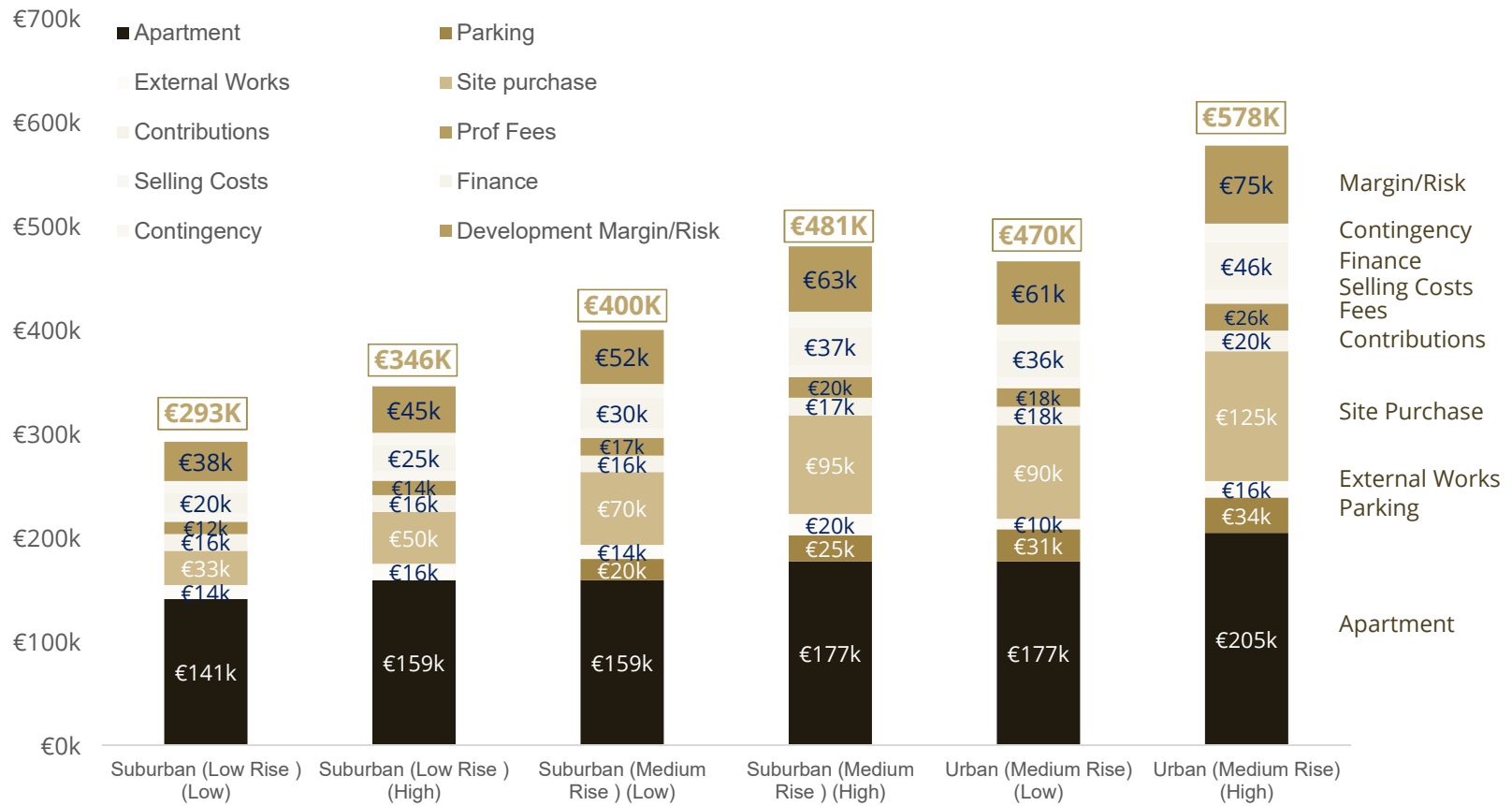
- 5-8 Storeys
- Concrete framed structure and cores
- Facades – more expensive precast/brick/stone
- Recessed balconies/Wintergardens
- Full façade glazing in places
- Fixtures & fittings – higher spec
- More complex mech. system
- Full basement for parking
- Hard landscaping

SCSI REPORT

- Construction Costs applied to the GFA (91 sq.m) of a two-bed apartment
- Costs broken down elementally in each category (as shown below)
- Low to High range shown in each category



SCSI REPORT

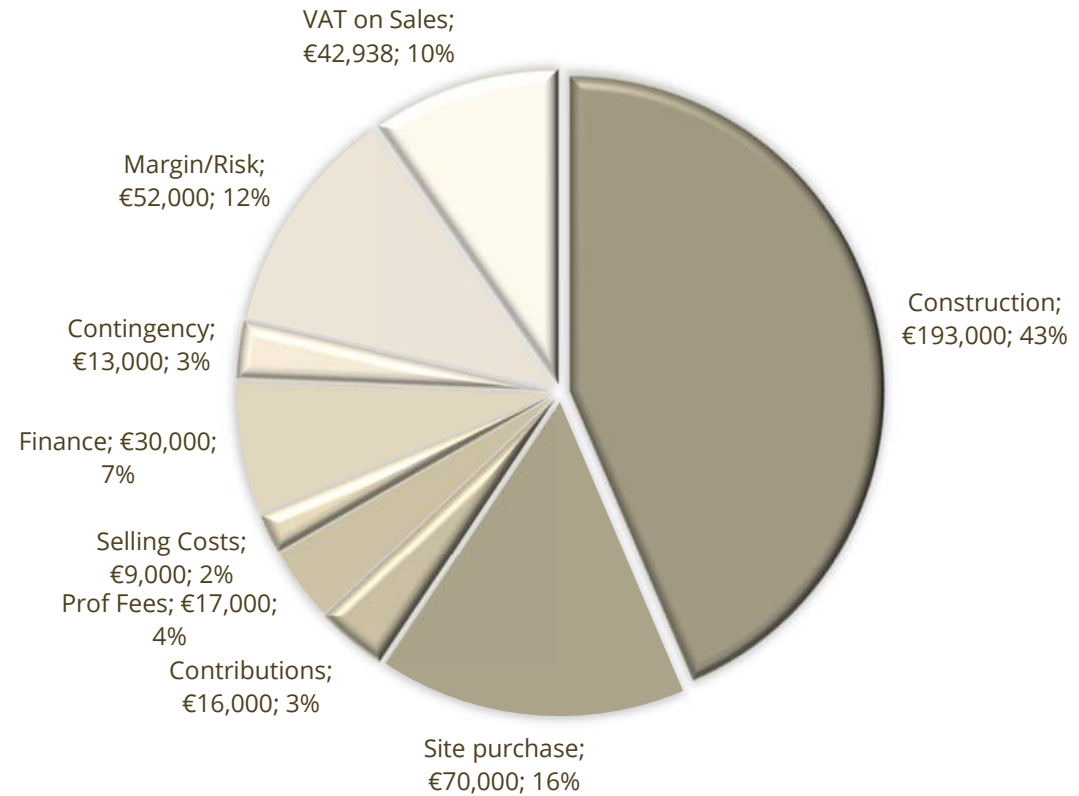


Category 2: Suburban (Medium Rise)



(Appraisal for Lower Range)




% Breakdown of Total Development Costs for Two Bed Apartment (incl. VAT on Sales)



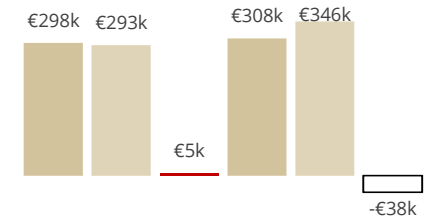
SCSI REPORT

Category 1: Suburban (Low Rise)



	Sales Price (exc VAT)	€298k	-	€308k
	Total Cost (exc VAT)	€293k	-	€346k
	Viabile / Viability Gap	€5k	-	-€38k
		2%	-	-11%

Range		
Lower	->	Higher
€298k	-	€308k
€293k	-	€346k
€5k	-	-€38k
2%	-	-11%

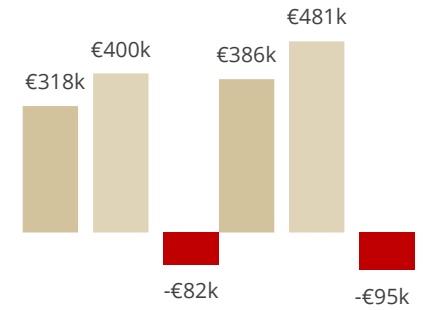


Category 2: Suburban (Medium Rise)



	Sales Price (exc VAT)	€318k	-	€386k
	Total Cost (exc VAT)	€400k	-	€481k
	Viabile / Viability Gap	-€82k	-	-€95k
		-20%	-	-20%

€318k	-	€386k
€400k	-	€481k
-€82k	-	-€95k
-20%	-	-20%

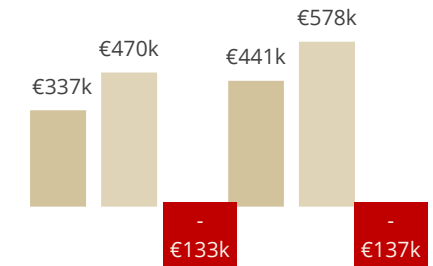


Category 3: Urban (Medium Rise)



	Sales Price (exc VAT)	€337k	-	€441k
	Total Cost (exc VAT)	€470k	-	€578k
	Viabile / Viability Gap	-€133k	-	-€137k
		-28%	-	-24%

€337k	-	€441k
€470k	-	€578k
-€133k	-	-€137k
-28%	-	-24%



SCSI REAL COSTS OF NEW APRTMENT DELIVERY

Not Viable in most scenarios..

What about affordability?



Affordability

- The sales price of the two-bed apartment reviewed ranges from €338k to €500k. (Category 1,2 & 3)
- A first-time buyer couple would require a 10% deposit of €34-€50k and a combined salary range of €87-€129k to afford these.
- A couple both working earning the average national salary (CSO 2016) earn €90,090 a year.
- The current Central Bank lending rules currently have a Loan to Value (LTV) restriction on mortgages to First-Time buyers of 90% and a Loan to Income (LTI) cap of 3.5 times the salary of the applicant(s).

First Time Buyers

 +  = **2 x €45k Salaries = €90k**

x 3.5 = Available Mortgage = €315k

EXAMPLE 1: Couple both earning Average Salary of €90,090.			
	Cat 1	Cat 2	Cat 3
Sales Price of 2 Bed Apartment (Lower Range)	€338,000	€361,000	€383,000
Deposit Required (10%) (First time buyer)	€33,800	€36,100	€38,300
Mortgage Required	€304,200	€324,900	€344,700
Mortgage available (based on LTI of 3.5)	€315,315	€315,315	€315,315
	€11,115 ✓	-€9,585 ✗	-€29,385 ✗

SCSI REAL COSTS OF NEW APRTMENT DELIVERY

So, only the cheaper
suburban apartment blocks
affordable



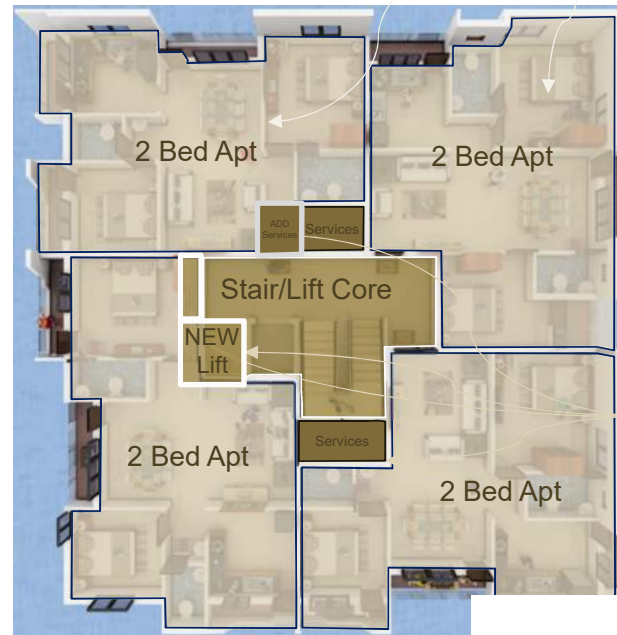
SCSI REPORT



Is building tall cheaper?

- Buildings get **less** efficient the higher you go; net space gets eroded by stairs, lifts etc
- The buildings become **more complex** and **more expensive** to build
 - Stiffer **structures** to withstand wind loading
 - Slenderness ratio dictated by **planners**
 - Modular/Unitised **façade** installation
 - More & faster **lifts**
 - Construction **logistics** more expensive
 - 'Boosted' **mechanical services**
 - **Wintergardens**
 - Add **sprinklers** over 30m (c.10 storeys)
- These costs become much more pronounced after 15 storeys
- **Certain fixed costs get diluted**, or cheaper overall, with the more floors you build e.g. site decontamination, roof etc
- Each site is different e.g. a bigger footprint means more apts/core and more efficient shape

The Sales or Rental you get for your building is based on the Net Internal Area.



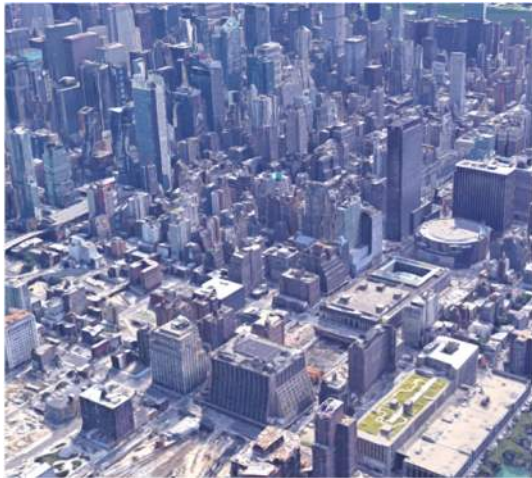
The stair/lift core gets bigger the higher you go – additional lifts, stair widths, service risers.

This is an illustrative example only.

The key to high rise construction is obtaining the right mix of building shape, net floor area and increased revenue per floor to compensate for less net internal area

Does High Rise = High Density?¹

Manhattan



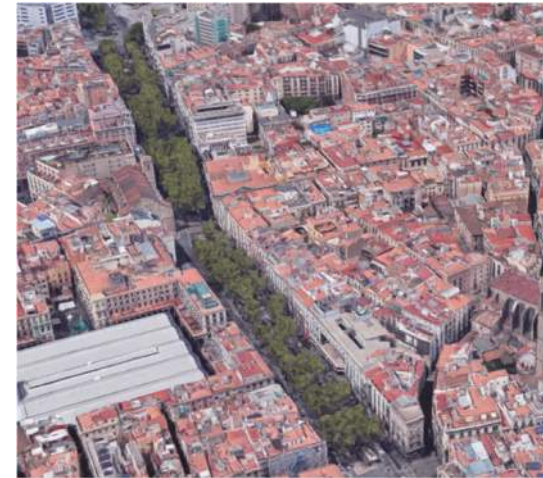
27,000 people / sq.km.

Paris



26,000 people / sq.km.

Barcelona



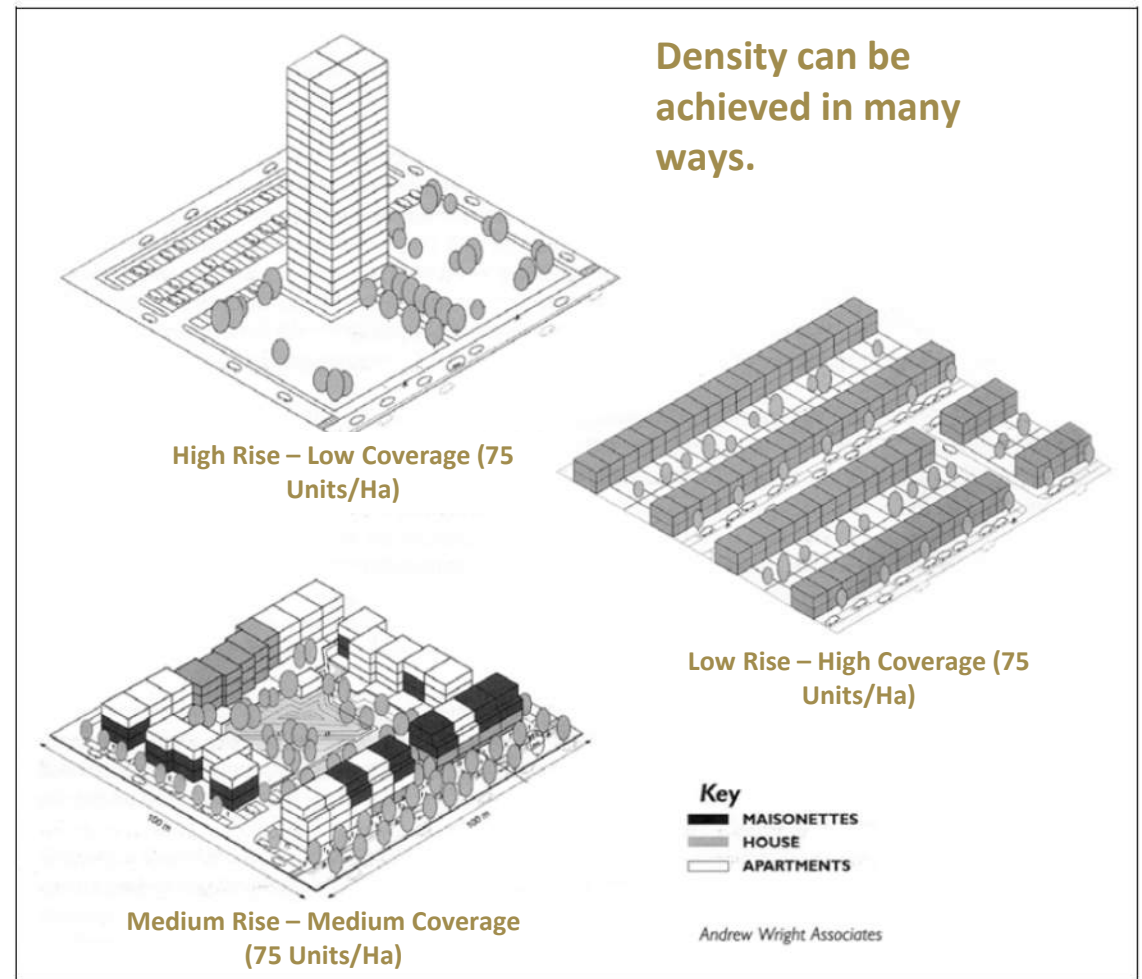
36,000 people / sq.km.

- Dublin City and Suburbs has a density of 3,677 people / sq. km. (Census 2016)

¹ Building Magazine (Feb 2015) *Ike Ijeh*

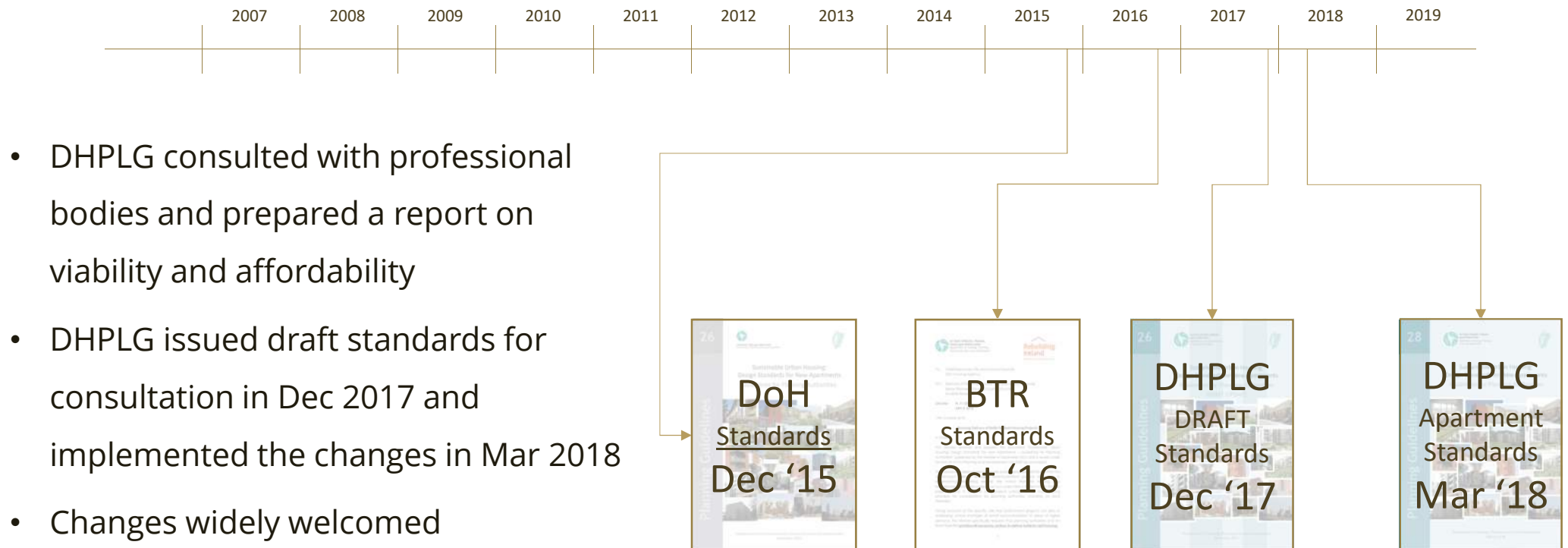
SCSI REPORT

- Relationship between Density and Coverage important
- The key to unit delivery is density at a lower cost per unit
- Ideally, Developers need to know what the density is before they purchase the site
- If the unit cost for delivery is higher, under any changed planning environment, and there isn't a corresponding increase in revenue the scheme won't be viable and development will stall



Source: Cope, 2003, p.23

APARTMENT DESIGN GUIDELINES / STANDARDS



NEW APARTMENT STANDARDS (MAR' 2018)

- Changes to traditional Build to Sell apartments
- New and enhanced Build to Rent Apartments
- New category for 'Shared Accommodation / Co-Living'



NEW APARTMENT STANDARDS (MAR' 2018)

- Changes welcomed
- More flexibility
- Positive impact on viability
- New models to address urban demand
- Responding to changing demographic
- New Tenure models catered for

APARTMENTS DESIGN STANDARDS INFOCARD JANUARY 2020										MITCHELL MCDERMOTT Professionalism, integrity and innovation			
	BUILD TO SELL					BUILD TO RENT (BTR)					SHARED ACCOMMODATION		
Dual Aspect	> 33% Urban > 50% Suburban					> 33% Urban > 50% Suburban					> 33% Urban > 50% Suburban		
Apartments Core	≤12					No Restriction					No Restriction		
	Urban: Minimal Suburban: 1 Car/Unit + 1 Space/3-4 Units (Visitor)					Minimal					Minimal		
	1 per Bed + 1 per 2 Units (Visitor)					1 per Bed + 1 per 2 Units (Visitor)					1 per Bed + 1 per 2 Units (Visitor)		
Floor To Ceiling	>2.70m (Ground)		>2.40m (Upper)			>2.70m (Ground)		>2.40m (Upper)			>2.70m (Ground) >2.40m (Upper)		
	Studio	1 Bed	2 Bed (3P)	2 Bed (4P)	3 Bed	Studio	1 Bed	2 Bed (3P)	2 Bed (4P)	3 Bed	Flexible		
	3m ²	3m ²	5m ²	6m ²	9m ²	3m ²	3m ²	5m ²	6m ²	9m ²	Flexible		
	4m ²	5m ²	6m ²	7m ²	9m ²	4m ²	5m ²	6m ²	7m ²	9m ²	Flexible		
Minimum Apartment Sizes													
Mix						No Restriction							
Width of living/dining room**	Studio	1 Bed	2 Bed (3P)	2 Bed (4P)	3 Bed	Studio	1 Bed	2 Bed (3P)	2 Bed (4P)	3 Bed	Flexible		
	4m	3.3m	3.6m	3.6m	3.8m	4m	3.3m	3.6m	3.6m	3.8m	Flexible		
Aggregate floor area of living/dining/kitchen area**	30m ²	23m ²	28m ²	30m ²	34m ²	30m ²	23m ²	28m ²	30m ²	34m ²	Flexible		
Bedroom Min Width**	Studio	Single	Double	Twin	Studio	Single	Double	Twin	Studio	Single	Double	Twin	Flexible
	4m	2.1m	2.8m	2.8m	4m	2.1m	2.8m	2.8m	4m	2.1m	2.8m	2.8m	Flexible
Bedroom Min Floor Area**	30m ²	7.1m ²	11.4m ²	13m ²	30m ²	7.1m ²	11.4m ²	13m ²	30m ²	7.1m ²	11.4m ²	13m ²	Flexible

**Variation of up to 5% can be applied to room areas and widths subject to overall compliance with required minimum overall apartment floor areas

BUILD TO RENT

Why do Build to Rent schemes seem to work where Build to Sell doesn't?



BUILD TO RENT VS. BUILD TO SELL

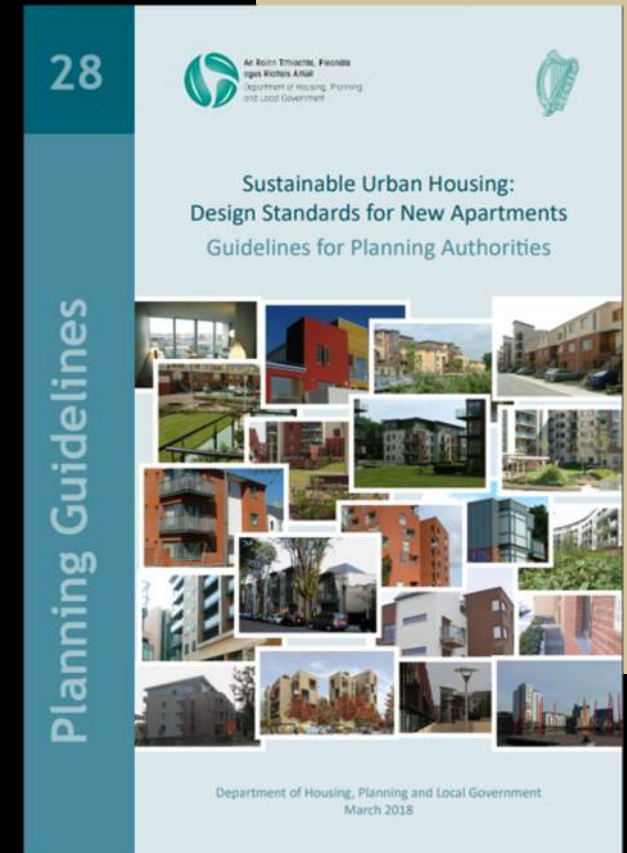
- Build to Rent (BTR) costs largely the same as Build to Sell (BTS) except for Amenity and FF&E
- Different standards if a BTR application (15 yr. cov.)
- Revenue for BTS is based on what you can **sell** an apartment for in that area
- Revenue for BTR is based on what you can **rent** an apartment for in that area and the investment yield
- Someone may not be able to raise a mortgage to pay the required purchase price but can pay the required rent

Rent p.m.	€1,975
Annual Rent (x12)	€23,700
Occupancy (95%)	€22,515
OPEX (17%)	(€3,828)
	€18,687
Gross Value (4% yield))	€467,186
Deduct VAT (purchase)	(€55,568)
	€411,618
Deduct Purchasers costs	(€17,574)
Capitalised net amount	€394,044

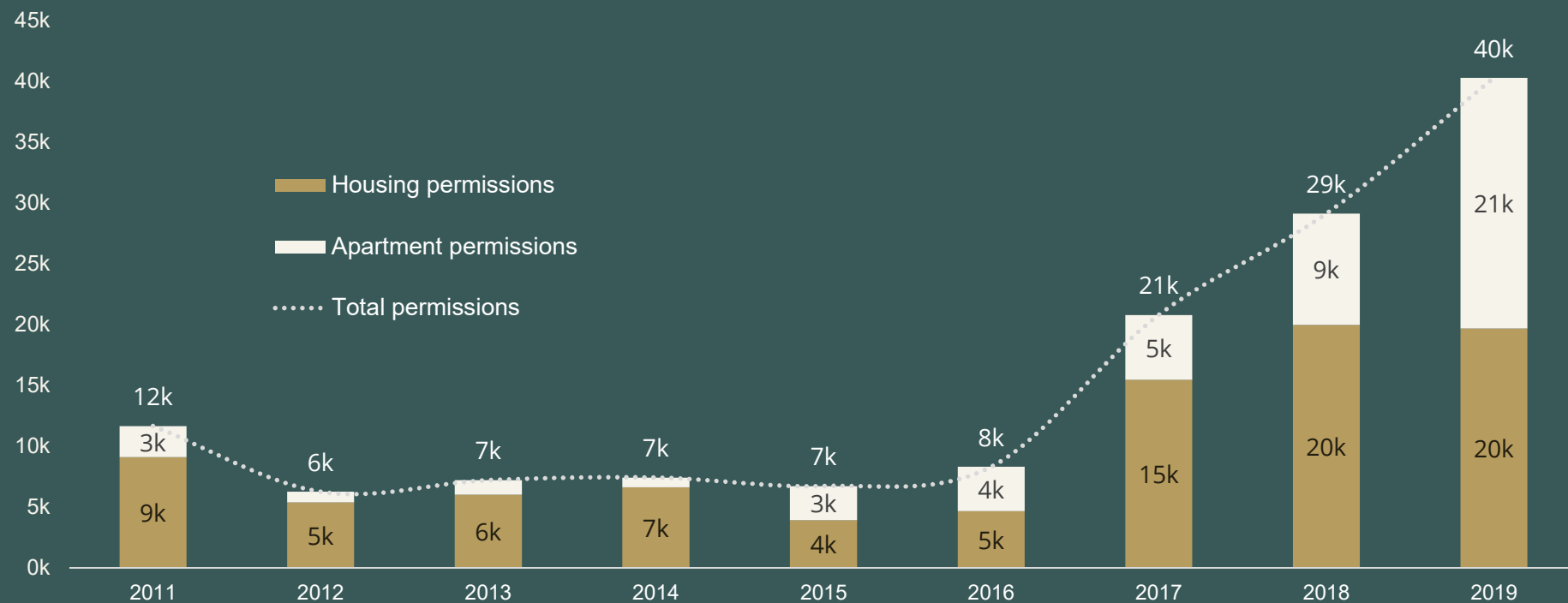
2 bed apartment			
	Build to Sell	Build to Rent	Comments
Site	€70,000		
Construction	€193,000		
Amenity / FF&E	excl.		
Contributions	€16,000		
Professional Fees	€17,000		
Selling Costs	€9,000		
Finance	€30,000		
Contingency	€13,000		
Total Cost (exc VAT)	<u>€348,000</u>		
Sales Value	€360,000		
less VAT	(€42,819)		
	<u>€317,181</u>		
Profit/Loss		(€30,819)	(9%)
Notional figures only			

NEW APARTMENT STANDARDS

What impact have they had so far on planning / viability?

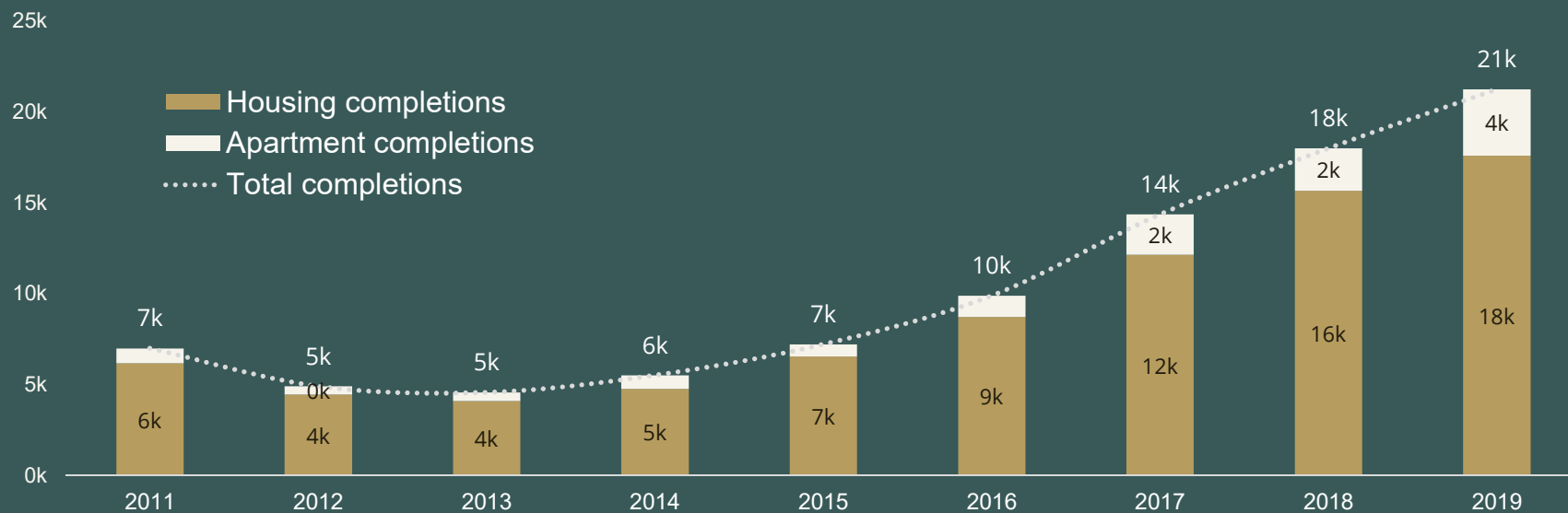


Permissions for apartments increased by 130% in 2019



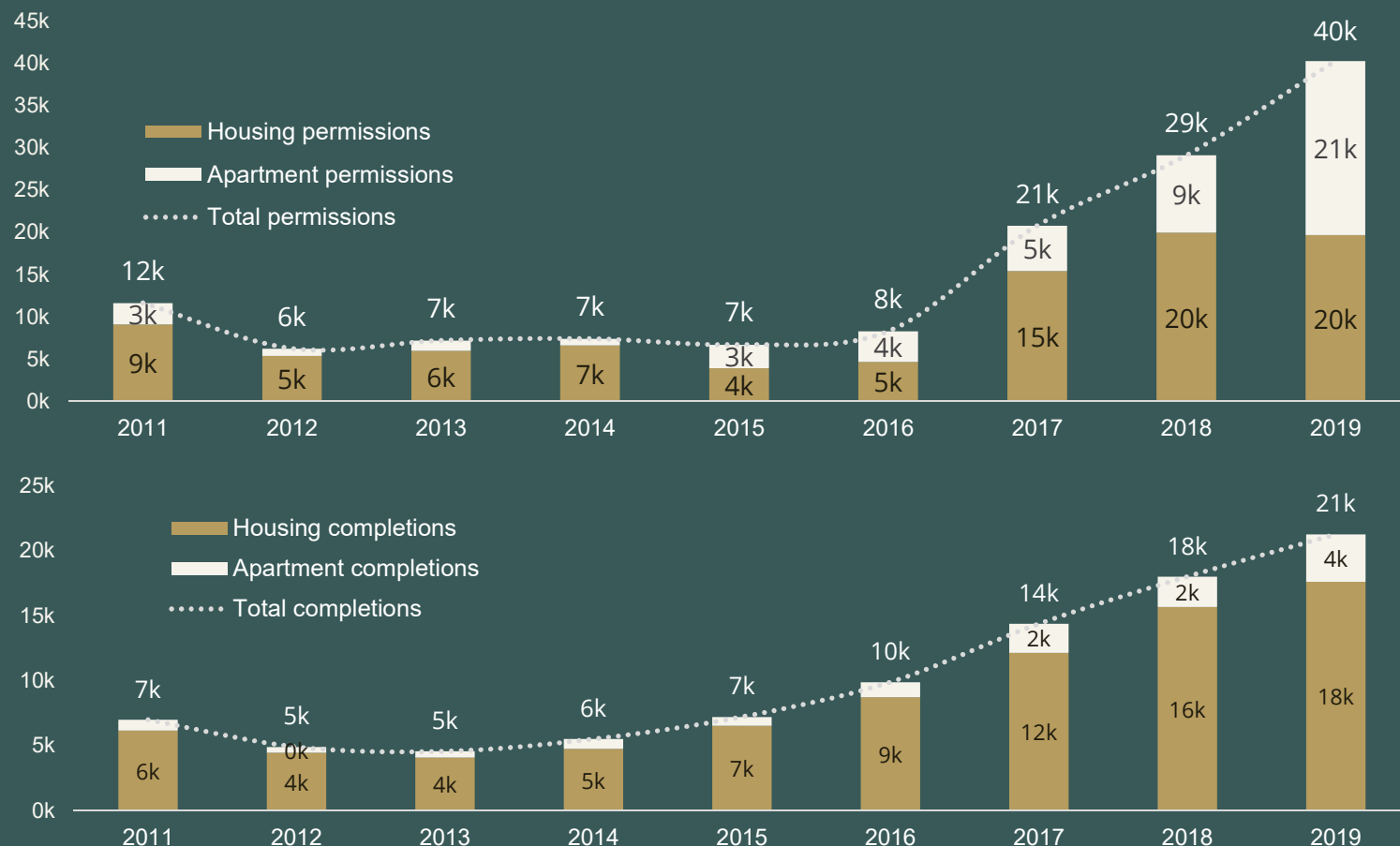
More permissions but still a shortfall – why?

- Development period – takes anywhere from 12-36 months
- Build to Sell still facing viability issues in areas with lower sales values
- Macro Prudential Rules (x 3.5 salary) puts a ceiling on what people can afford to pay
- Build to Rent providers having a very positive effect on the provision of units



Planning considerations

- Caution around any future changes
- Consideration given to viability in lower Sales areas
- Any future changes should have external viability checks carried out before anything is implemented
- Developers buy land based on the likely planning to be achieved. If the rules change (e.g. 3B semi-D's to Duplexes) it can affect viability and stall development
- Build to Rent is fuelling current apartment development
- Certainty around planning is key. Carefully thought out Masterplans, LAP's, SDZ's etc work really well and give rise to more units



DEVELOPMENT APPRAISAL



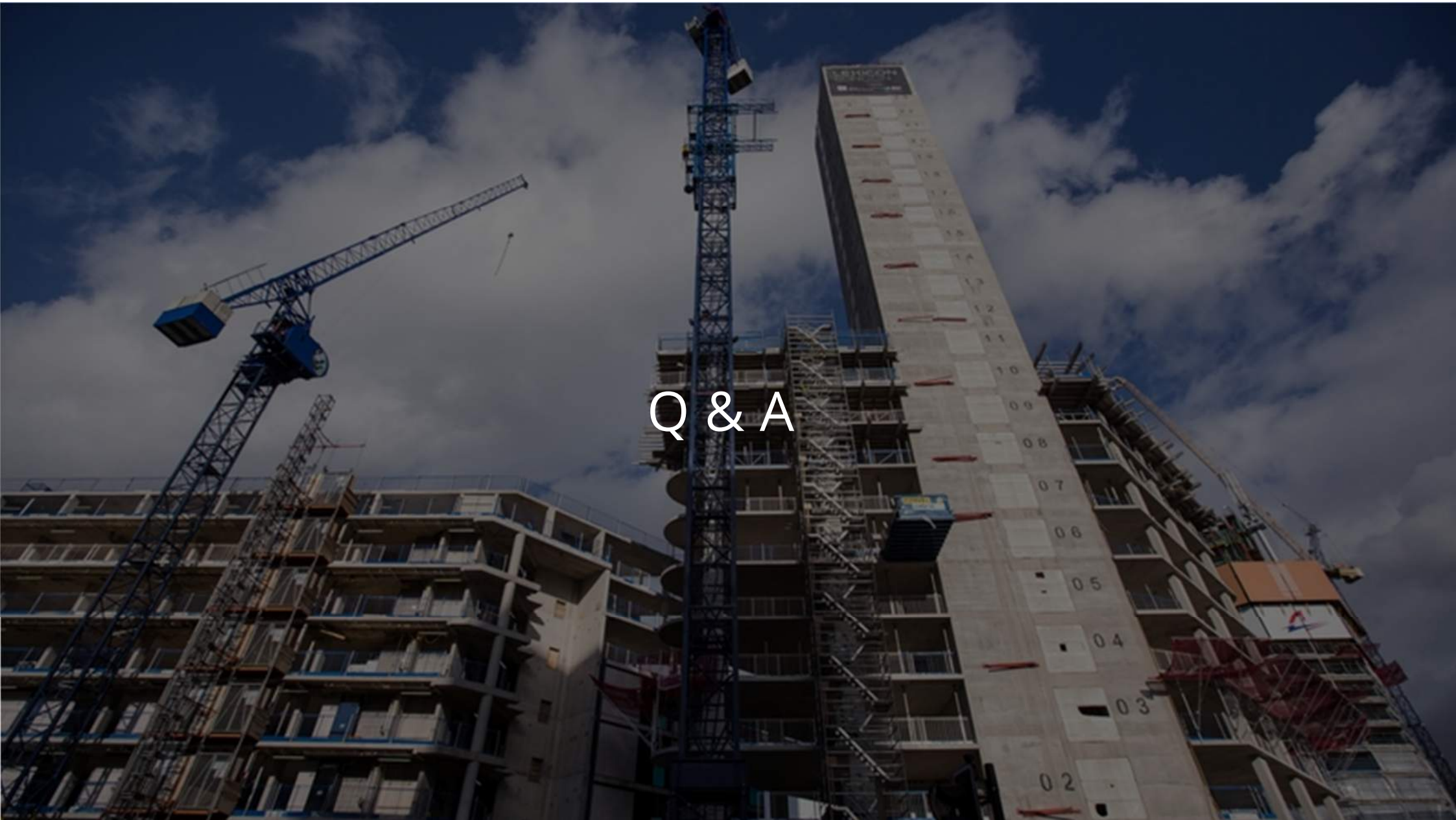
1. Sales Values (avg. €355k ea.)		€19.07m
2. Development Costs		
a. Site Cost		€3.10m
b. Statutory Fees and Contributions		€1.81m
c. Construction Costs		€12.29m (-€1.77m)
d. Design Team Fees		€0.48m
e. Legals and Accounting		€0.20m
f. Sales & Letting Costs		€0.49m
g. Funding Costs		€0.25m
Sub-total	12 Houses 49 Apartments	€18.62m
3. Profit (2.4%)		€0.45m
4. Enough?		



SUMMARY

Summary

- Appraisals:
 - **Development Appraisals** take the Total Cost from the Total Revenue to show the **gross profit** on a scheme
 - **Residual Appraisals** take the Total cost (excl Land) from the Total Revenue to show how much the **site** is worth
 - Appraisals are very **sensitive** to changes in input costs, especially construction
 - Construction costs are based on the **likely planning permission** that can be achieved
 - If the planning rules or guidelines change and result in lesser units or higher costs, there is a **chance development can stall**
 - **Building tall** is more **expensive**
 - A key part of any appraisal is when the **Land** was bought and what the planning framework was at that time
 - The **supply/demand side of Land** is key to Viability and Affordability
- Regulations/Standards:
 - Apartment standard changes can have a **sudden impact** on development, either positive or negative
 - The **2007** Apartment Guidelines **negatively** affected development (happened at same time as crash though too..)
 - The **2018** Apartment Standards have had a **positive effect** on development
 - Schemes at design stage tend to '**stop and wait**' when regulation changes are mooted, which can **negatively impact supply**
 - **Planners play a critical role**, outside their normal planning role, in the delivery of homes
 - Viability is critical but **Affordability** is critical too



Q & A