Leyton Bus Depot

Feasibility Studies

Submission Date: 19.06.20

For and on behalf of: London Borough of Waltham Forest





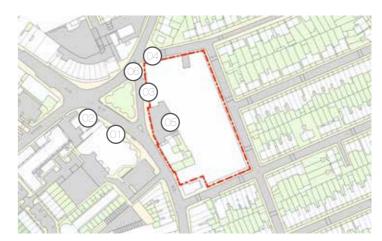










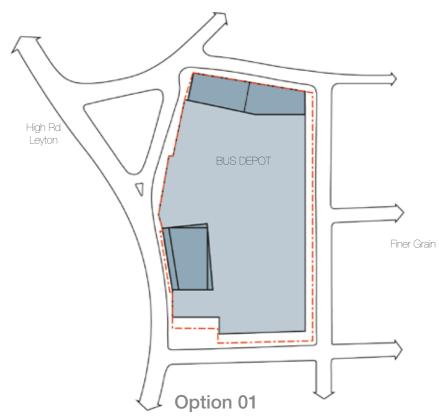




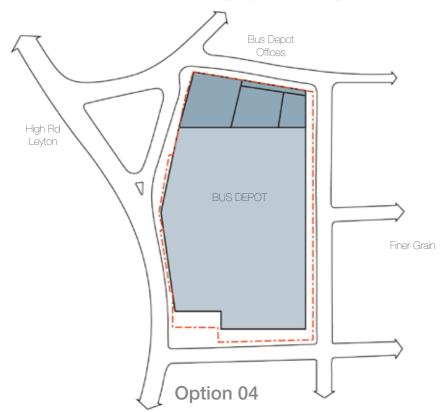




Bus Station Retained



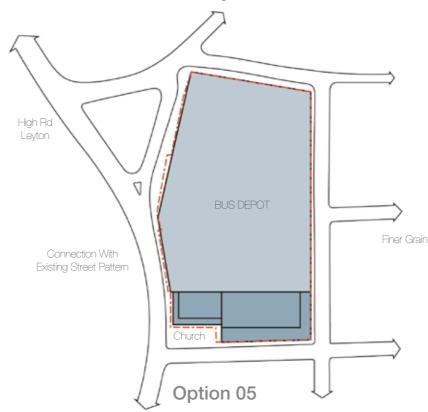
Bus station retained in current configuration. Proposed development focused on church/nursery site and location where bus depot offices are currently located along northern boundary. These could be re-located in the lower floors of one of the proposed development.



Bus station rebuilt and reconfigured, development focused along north of site, with no development over bus depot. Development at north of site presents opportunity for increased height due to closer proximity to town centre.



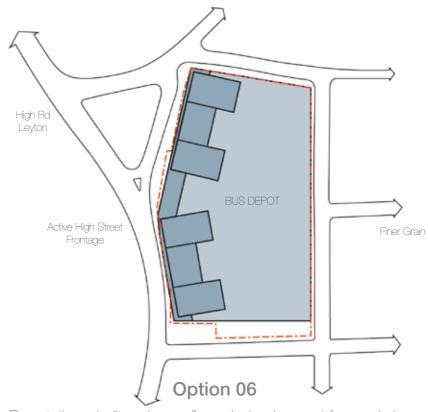
Bus depot rebuilt and reconfigured, with development over new bus depot - may cause viability issues due to requirement for clear spans in bus depot. Massing focused at edges of site to allow residential blocks to come to ground.



Bus station rebuilt and reconfigured, development focused along south of site, with no development over bus depot. Development at south of site would need to be lower density to respond to neighbouring development.



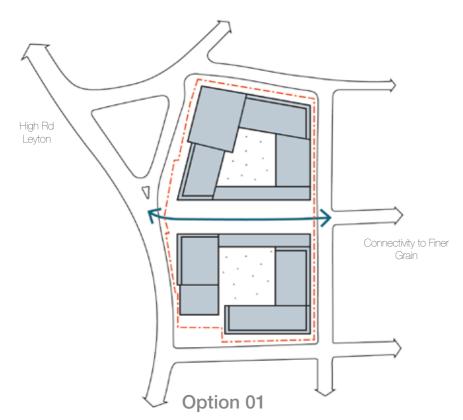
Approach as per option 02, with finer grain introduced to south to respond to context.



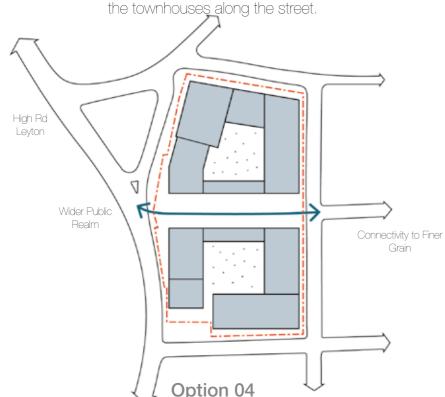
Bus station rebuilt and reconfigured, development focused along west of site. Small amount of development extends over bus station. Development at west of site presents opportunity to incorporate high street uses.



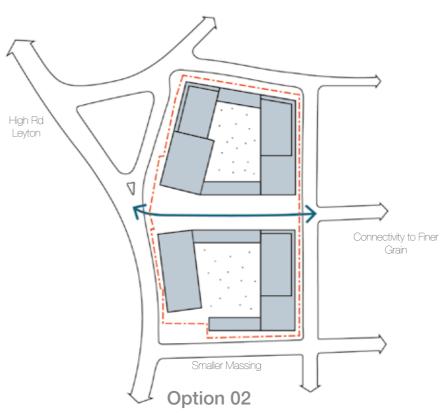
Bus Station Relocated



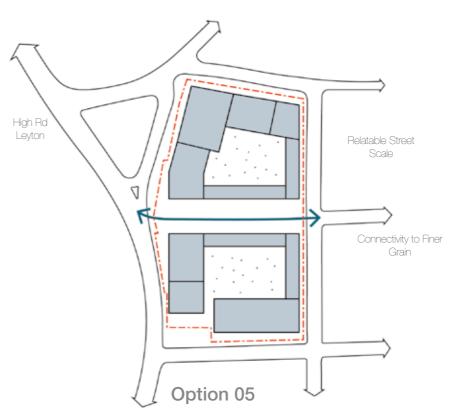
A new central road is established in the centre of the site, with two courtyard blocks either side. This new road aligns with the adjacent street pattern, and allows improved east to west connectivity towards town centre. It will be a shared surface / play street, with access only to service the townhouses along the street



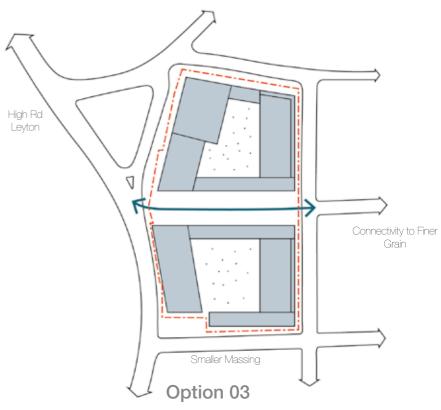
Larger scale perimeter blocks, small scale developement at centre of site.



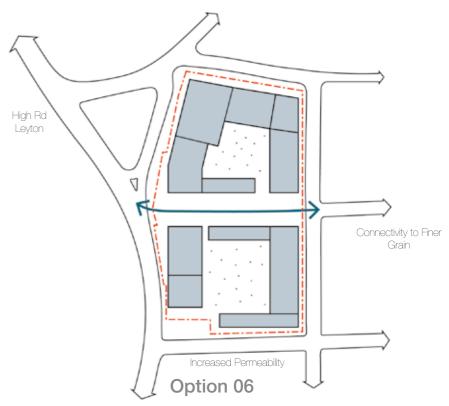
New street as per option 01, height focused to north of this street.



Townhouse units along the east of the site create a street scale relatable to the finer grain over the road.



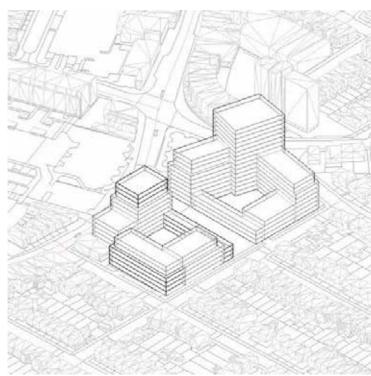
Finer scale along north and south of site, in response to surrounding development.



Finer grain docused at the centre and south of site in response to surrounding context.



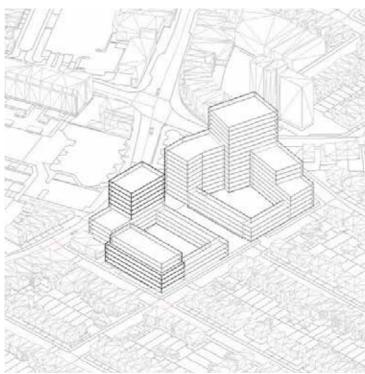
Bus Station Relocated - Height on North West Corner



Study A - c. 38,000 sqm GEA (all uses)

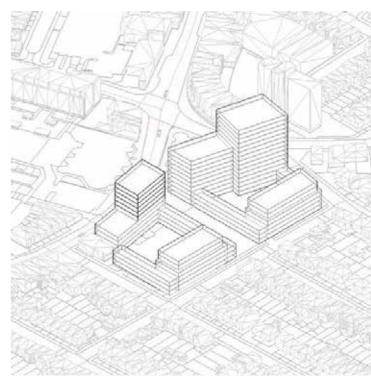
Height concentrated along edges of site, stepping down in the centre.

Height along north and south of site may be detrimental to adjacent residential development.



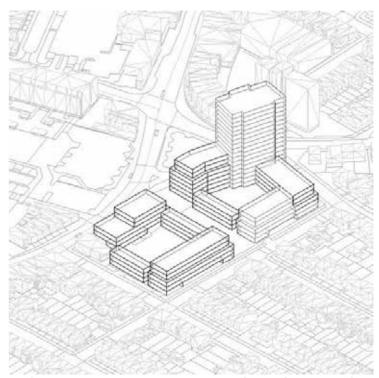
Study C - c. 34,000 sqm GEA (all uses)

Townhouses along central street, and wrap along south of site. Studies with lower height along south more successful. Development along High Road would benefit from lower shoulder height.



Study B - c. 32,500 sqm GEA (all uses)

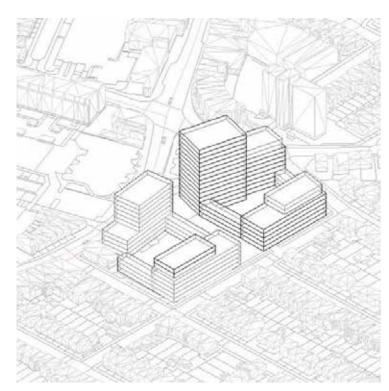
Lower massing along north and south in response to neighbouring development. Development along High Road would benefit from lower shoulder height.



Study D - c. 30,000 sqm GEA (all uses)

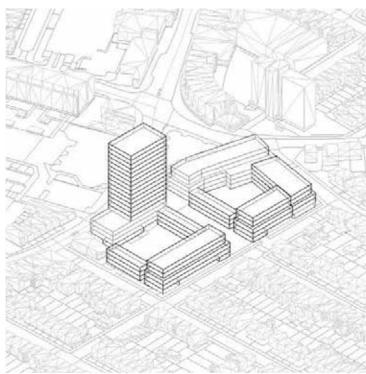
Townhouses along central street and south of site. Lower shoulder heights introduced along the east, north and west of site, with taller tower on NW corner. Massing steps down in south west corner in response to existing two-storey house on the corner.

Bus Station Relocated - Height Adjacent to New Street



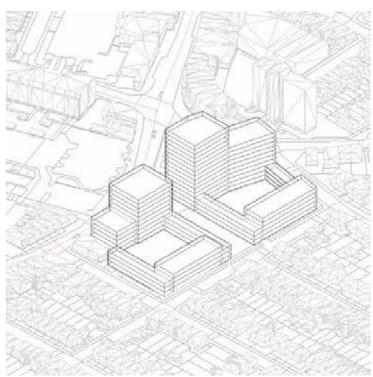
Study E - c. 35,000 sqm GEA (all uses)

Height concentrated on north west side of new street, with apartment blocks along the east and townhouses along the north and south of the site. Proposed height along the east and west edges of the site likely to have detrimental impact on central courtyards.



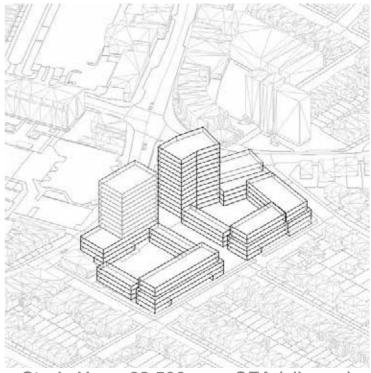
Study G - c. 25,000 sqm GEA (all uses)

Height concentrated on south west side of new street, with apartment blocks along the north and east of the site, with townhouses along the south. Tower in this location likely to have detrimental impact on existing two storey house on the corner of Canterbury Road and Leyton High



Study F - c. 32,000 sqm GEA (all uses)

Arrangement of height as per Study E, but with smaller tower footprint and reduced height along south of site. Tower in this location likely to have detrimental effect on townhouses along central street.

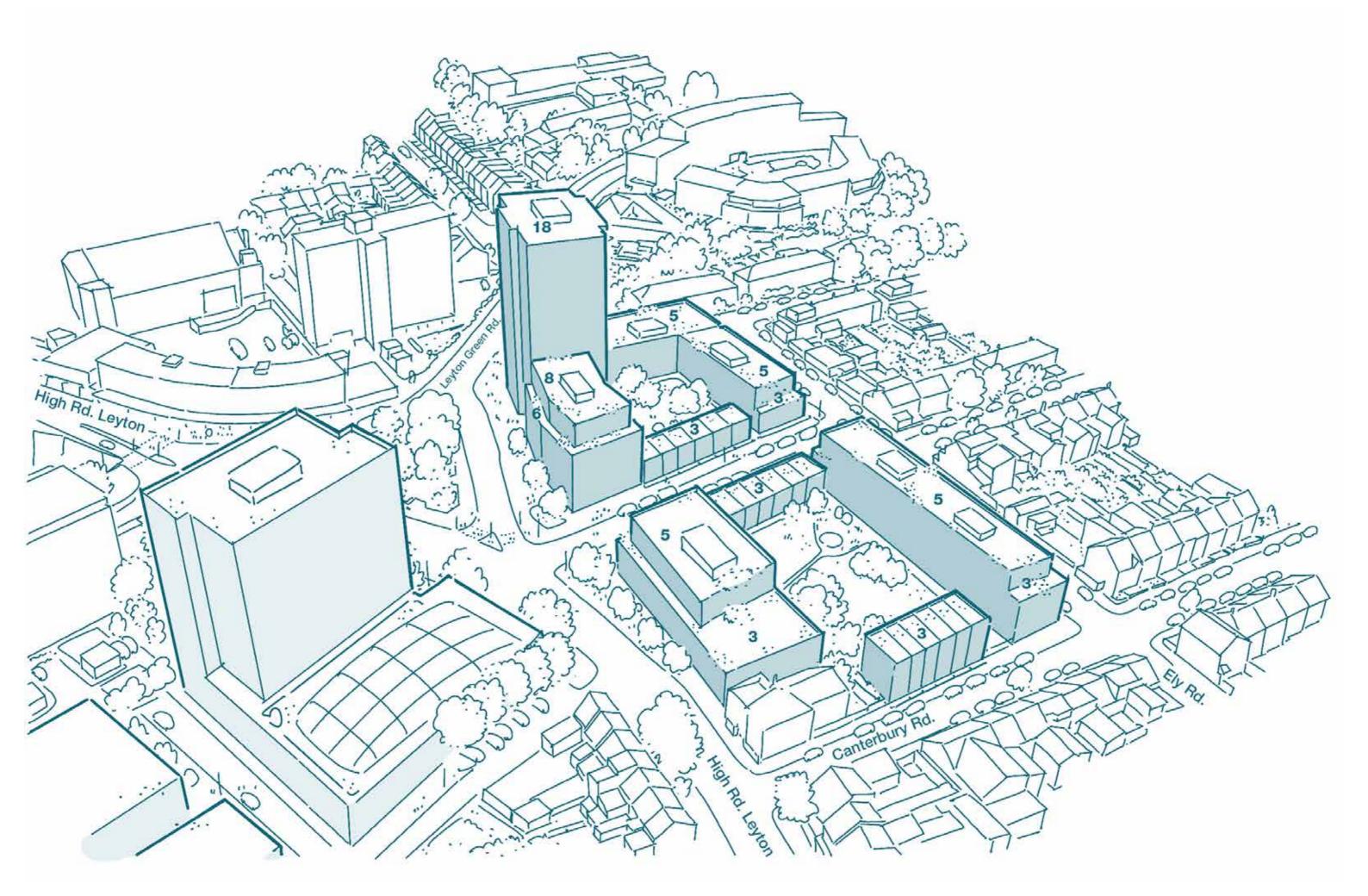


Study H - c. 28,500 sqm GEA (all uses)

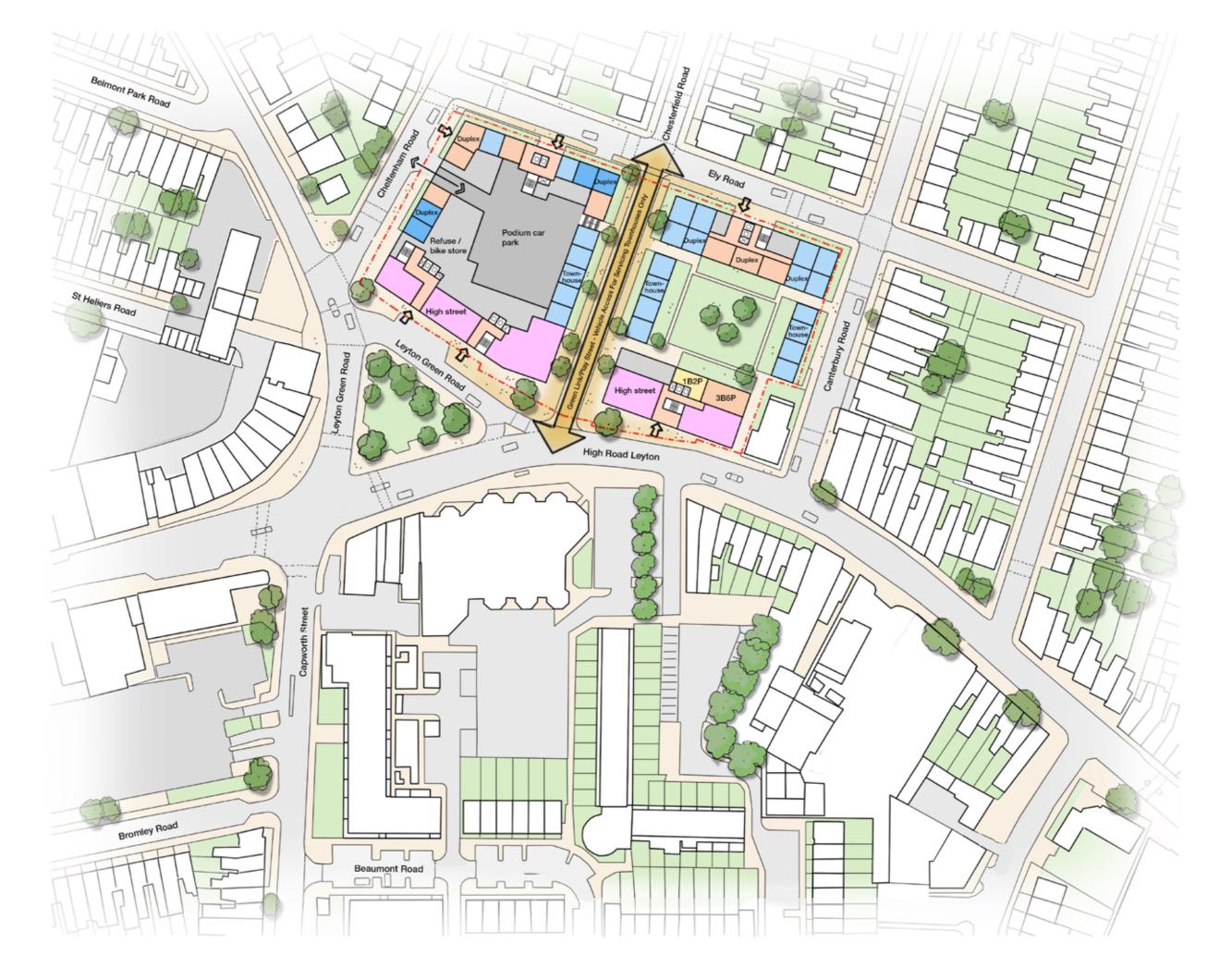
Two mid-rise elements either side of central road - minimising impact on existing development to the south, and creating a marker at either side of the street.

Study 01

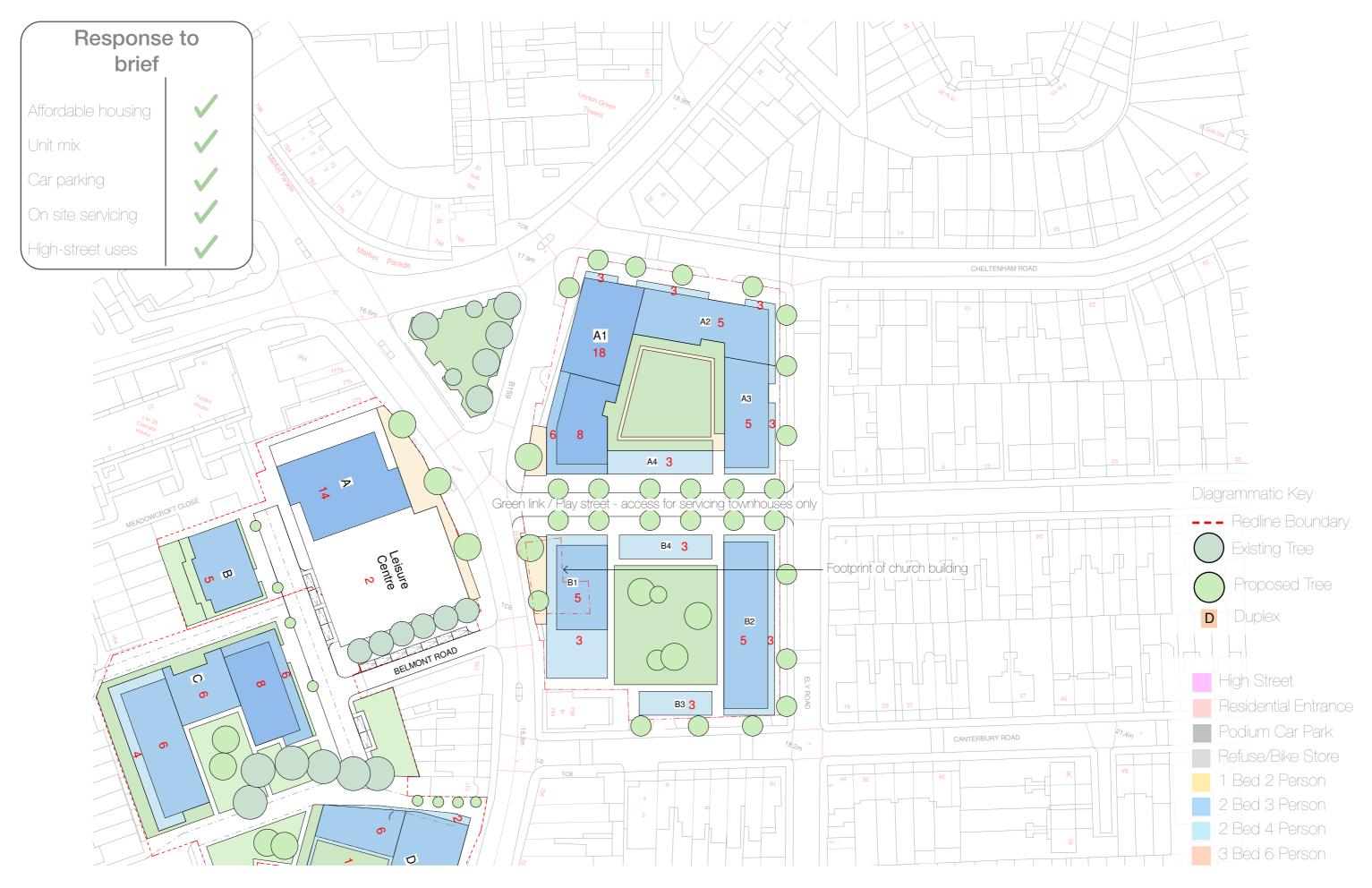
Key brief points						
Affordable housing	50% affordable housing					
Unit mix	Market: 20% 1B, 30% 2B, 50% 3B+ Affordable: 20% 1B, 40% 2B, 40% 3B+					
Car parking	Accessible parking only					
On site servicing	Sufficient access for refuse collection and deliveries					
High-street uses	Suitable mix of non-residential uses to complement and enhance existing Bakers Arms District Centre					









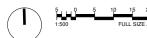




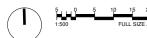












Bus Depot Relocated

Leyton Bus Depot Site

Site area 9,073 sqm	1.87 ha

Assumed Mix - market sale								
unit type	1b2p	2b3p	2b4p	3b5p	Townh			
area sq ft	545	740	800	950	1,275			
area m2	51	69	74	88	118			
mix %	20%	15%	15%	50%				
factor m2	10.13	10.31	11.15	44.13				

100% 75.71 conversion 814.98

Total	mix - market sale	

TOTAL IIIX	ct saic					
Residential NSA/sqft	1b2p	2b3p	2b4p	3b5p	Townh	Units
91,386	22	17	17	56		112
	0	0	0	0	-	-
	45	50	50	280	0	426
91,386	22	17	17	56	1	112

IR Totals		45	50	50	280	0	
Jnit Totals	91,386	22	17	17	56	1	

Final Mix including Townhouses							
	Townh	3b5p	2b4p	2b3p	1b2p		
100%	0%	50%	15%	15%	20%		

TOTAL UNITS	227
FAR	2.53

Car Parking

ar Park	king	spaces
---------	------	--------

Podium parking	23	*As
Street parking		Spc
TOTAL	23	
Ratio	0.10	

Assumed 26sqm per space to allow for circulation and accessible spaces paces located on site A - all accessible units in blocks A1-A3

Town Centre Uses	931	sqm	

Assumed Mix - affordable

unit type	1b2p	2b3p	2b4p	3b5p	Townh
area sq ft	545	740	800	950	1,275
area m2	51	69	74	88	118
mix %	20%	20%	20%	40%	
factor m2	10.13	13.75	14.86	35.30	

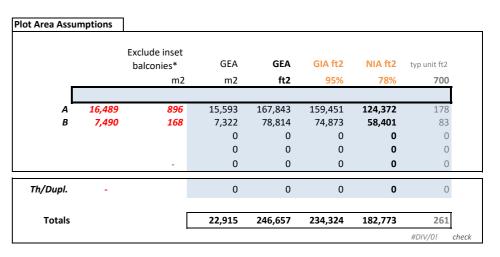
100% 74.04 conversion 796.98

Total mix - affordable

Residential NSA/sqft	1b2p	2b3p	2b4p	3b5p	Townh	Units
91,386	23	23	23	46		115
	0	0	0	0	-	-

HR Totals		46	69	69	229	0	413
Unit Totals	91,386	23	23	23	46	-	115

				nouses	ng rown	Finai iviix inciud
	Townh	3b5p	2b4p	2b3p	1b2p	
100%	0%	40%	20%	20%	20%	



^{*}Inset balconies, as indicated on typical floor plans, are excluded from GEA. Assumed average of 7sqm per balcony

Residential Area Assumptions

Unit mix based on areas extracted from Revit model highlighted in red above

Sqm to sqft	10.7639
GEA to GIA	95%
GIA to NIA	78%



Bus Depot Retained

Leyton Bus Depot Site

Site area	1,705 sqm	0.1705 ha
-----------	-----------	-----------

Assumed Mix - m	narket s	ale			
unit type	1b2p	2b3p	2b4p	3b5p	Townh
area sq ft	545	740	800	950	1,275
area m2	51	69	74	88	118
mix %	20%	15%	15%	50%	
factor m2	10.13	10.31	11.15	44.13	

100%

75.71	conve
314.98	

Total	mix	-	market sale	

Residential NSA/sqft	1b2p	2b3p	2b4p	3b5p	Townh	Units
43,869	11	8	8	27		54
	0	0	0	0	-	-
	22	24	24	135	0	205

HR Totals
Unit Tota

Final Mix including	g Town	houses				
	1b2p	2b3p	2b4p	3b5p	Townh	
	20%	15%	15%	50%	0%	100%

109		

Car Parking

FAR

TOTAL UNITS

HR Totals Unit Totals

ar	Parking	spaces

6.45

Accessible parking		*Assumed 26sqm per space to allow for circulation and accessible spaces Location TBC
TOTAL	11	
Ratio	0.10	

Town Centre Uses	750	sqm	

^{*}Located on Church/Nursey Site

Areas based on massing model from Revit - layouts have not been developed

Assumed Mix - affordable

unit type	1b2p	2b3p	2b4p	3b5p	Townh				
area sq ft	545	740	800	950	1,275				
area m2	51	69	74	88	118				
mix %	20%	20%	20%	40%					
factor m2	10.13	13.75	14.86	35.30					

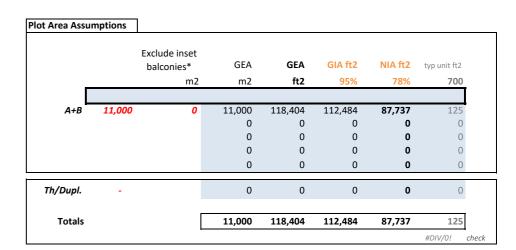
100% 74.04 conversion 796.98

Total mix - affordable

Residential NSA/sqft	1b2p	2b3p	2b4p	3b5p	Townh	Units
43,869	11	11	11	22		55
	0	0	0	0	-	-

HR Totals		22	33	33	110	0	198
Unit Totals	43,869	11	11	11	22	-	55

-inal Mix including Townhouses						
	Townh	3b5p	2b4p	2b3p	1b2p	
100%	0%	40%	20%	20%	20%	



^{*}Inset balconies, as indicated on typical floor plans, are excluded from GEA. Assumed average of 7sqm per balcony

Residential Area Assumptions

Unit mix based on areas extracted from Revit model highlighted in red above

Sqm to sqft	10.763
GEA to GIA	95%
GIA to NIA	789