

Arboricultural Technical Note

May 2022

21 Didsbury Park
Didsbury
Manchester
M20 5LH

U R B A N
G R E E N



QUALITY MANAGEMENT

Project:	21 Didsbury Park			
Location:	21 Didsbury Park, Didsbury, Manchester, M20 5LH			
Title:	Arboricultural Technical Note			
Date:	22/12/2021			
Prepared By:	Andy Bagshaw			
Checked By:	Gemma King			
Approved By:	Andy Bagshaw			
Revision Status:				
Rev:	Date:	Issue/Purpose/ Comment:	Prepared:	Checked:
01	27/05/2022	Change to required pruning specification	AB	GK

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1. Date of visit:

17/12/2021

2. Attendees:

Andy Bagshaw (Urban Green).

Kieran Hedges (Client), Site Manager.

3. Scope

- 3.1.1. Urban Green have been instructed by Kieran Hedges to conduct an Arboricultural Survey of eight trees at 21 Didsbury Park and produce our findings in a report.
- 3.1.2. An email enquiry to Manchester City Council's planning dept confirmed that 21 Didsbury Park, Manchester falls within the Didsbury, St James Conservation Area. Trees standing within the curtilage of the property are not protected by a Tree Preservation Order.
- 3.1.3. Urban Green Ltd have been requested by Mr Hedges to visit the site to provide advice regarding pruning of the trees at 21 Didsbury Park to suitable pruning points to facilitate delivery of site materials and provide adequate clearance for the crane lift.
- 3.1.4. Planning application Number 123880/FO/2019 (Erection of two, three storey detached dwelling houses (six bedrooms) with associated landscaping and car parking following demolition) was approved in August 2019. Condition 6 states '(a) No retained tree shall be cut down, uprooted or destroyed, nor shall any retained tree be topped or lopped other than in accordance with the approved plans and particulars, without the written approval of the local planning authority. Any topping or lopping approved shall be carried out in accordance with British Standard 5387 (Trees in relation to construction). No pruning operations along Didsbury Park frontage were recommended in submitted Urban Green Arboricultural Impact Assessment (UG11551) with 123880/FO/2019.
- 3.1.5. Application 130934/TCA/2021 Works to trees - proposed pruning works to T4 and T5 to suitable pruning points to obtain 2 metres minimum clearance above onsite temporary cabins to facilitate adequate clearance for removal by crane and boom swing | 21 Didsbury Park Manchester M20 5LH was approved in August 2021.

4. Findings and Recommendations

- 4.1.1. I set out below my findings and management recommendations. I have considered the health and structural condition of the trees fronting 21 Didsbury Park.
- 4.1.2. Trees T3 to T6 were initially surveyed in August 2017. Four trees within the curtilage of 19 Didsbury Park located to the south of no. 21 were broadly surveyed on 17th December 2021 and baseline tree survey date for these trees can be found at appendix 1.

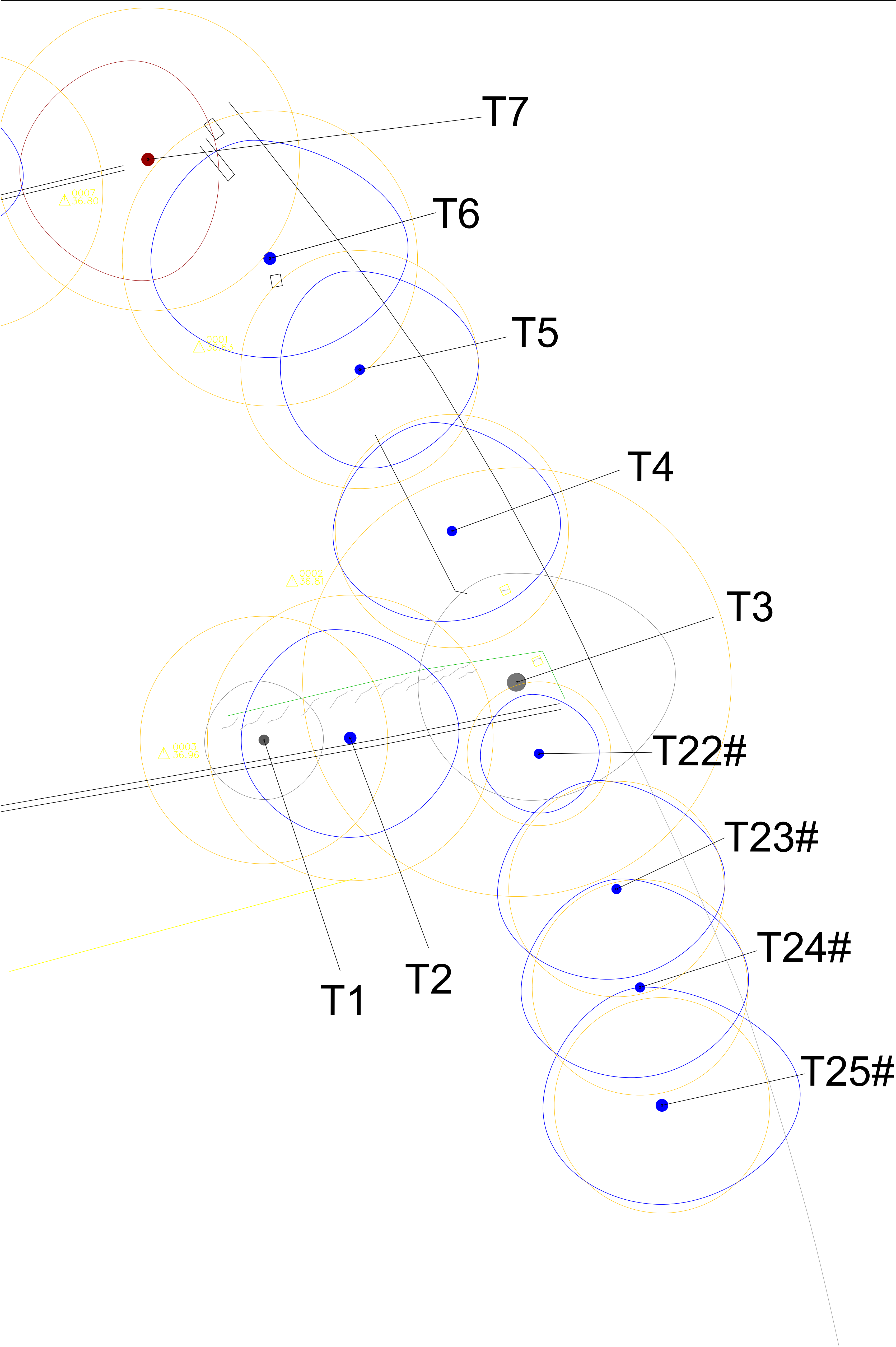
- 4.1.3. Pruning of trees T4 and T5 has been requested by our client following consultation with the site manager to facilitate delivery of site materials. 5 metres clearance is required between T4 and T5 to facilitate crane lifting into the site. Trees T4 and T5 will therefore require pruning to their northern and southern canopies respectfully, to reduce lateral spread by up to 2.5 metres.
- 4.1.4. Trees T4 and T5 are early mature Lime trees exhibiting good vitality and structural condition.
- 4.1.5. All the lime trees fronting 21 Didsbury Park have been previously 'topped' at 6 to 7 metres above ground level approximately 10 years ago and are exhibiting maturing regrowth.
- 4.1.6. 'Amenity Pollarding' is a management option which lime trees can tolerate better than many other species. While not best practice, it is often the only option available for trees that have been badly managed in the past and unless essential for safety reasons, it should not be carried out to trees except as formative pruning to young trees.
- 4.1.7. At the time of the site visit all the trees were exhibiting good structural and physiological condition except the ash tree (T3), as detailed in the tree survey schedule at appendix 1. T4 and T5 should respond well to the pruning to reduce lateral spread as detailed in 4.1.3 above.
- 4.1.8. All tree pruning works should be carried in accordance with the requirements of British Standard 3998:2010 Tree work – Recommendations.

Appendix 1: Tree Survey Schedule

Reference G = Group H = Hedge	Age & Species	Height (m)	Crown Ht (m)	Diameter (mm)	Crown Spread (m) N W E S	Notes	Recommendations		Physiological Condition	Life Expectancy (yrs)
							Priority	Inspect Freq (yrs)	Structural Condition	Retention Category
T3	Early-Mature Ash Fraxinus excelsior	13	3	900	5.5 5 8 6	1: In a moribund state. 2: Dense ivy prevented a detailed inspection. 3: Deadwood throughout crown.	Remove ivy and re-inspect for defects, monitor, deadwood.		Fair	10-20
	High						1	Fair	C	
T4	Early-Mature Lime Tilia sp	14	4	490	av 5.5 6 5.5 4.5 each	1: Previously topped. 2: No significant defects.	No action required.		Good	40+
	n/a						3	Good	B	
T5	Early-Mature Lime Tilia sp	15	4	500	5 4 6 5	1: Dense ivy and vegetation prevented a detailed inspection. 2: Previously topped.	No action required.		Good	40+
	n/a						3	Good	B	
T6	Early-Mature Lime Tilia sp	15	4	620	6 6 7 5	1: Previously topped. 2: No significant defects observed.	No action required.		Good	40+
	n/a						3	Good	B	
T22	Early-Mature Holly Acer pseudoplatanus	9	1.7	300	2 2 2 2	1: No significant defects.	No action required.		Good	40+
	n/a						3	Good	B	
T23	Early-Mature Lime Tilia sp	15	2	450	av 5.5 6 5.5 4.5 each	1: Previously topped. 2: No significant defects.	No action required.		Good	40+
	n/a						3	Good	B	
T24	Early-Mature Lime Tilia sp	15	2	450	av 3.5 6 5.5 3.5 each	1: Previously topped. 2: No significant defects.	No action required.		Good	40+
	n/a						3	Good	B	

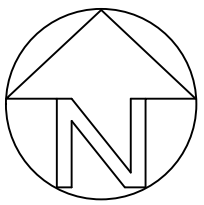
Reference G = Group H = Hedge	Age & Species	Height (m)	Crown Ht (m)	Diameter (mm)	Crown Spread (m) N W E S	Notes	Recommendations		Physiological Condition	Life Expectancy (yrs)
							Priority	Inspect Freq (yrs)	Structural Condition	Retention Category
T25	Early-Mature Lime Tilia sp	16	2	450	av 5.5 6 5.5 4.5 each	1: Previously topped. 2: No significant defects.	No action required.		Good	40+
							n/a	3	Good	B

Appendix 2: Tree Constraints Plan



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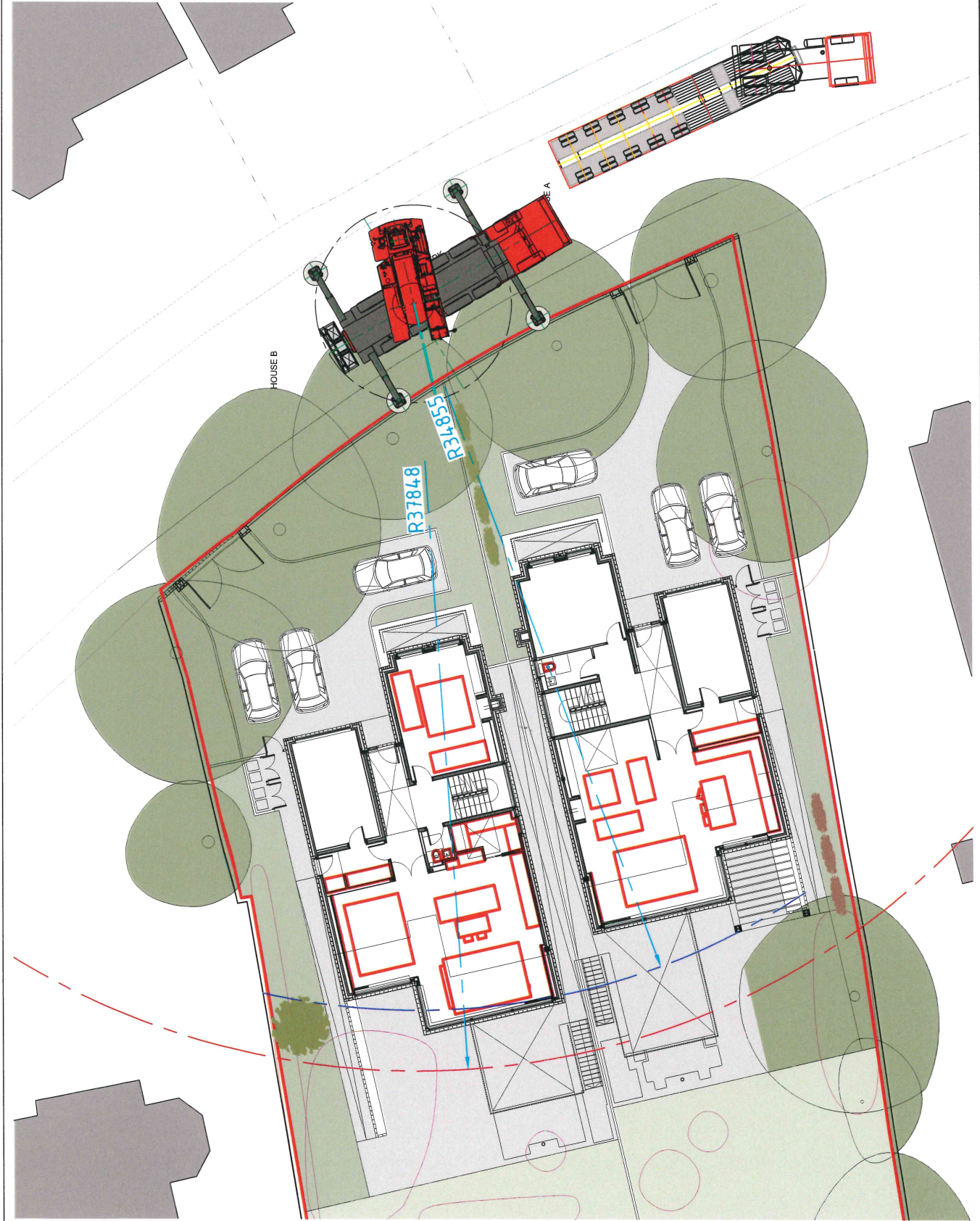
Notes:-



	Category A tree, group or hedge
	Category B tree, group or hedge
	Category C tree, group or hedge
	Category U tree, group or hedge
	Root Protection Area (RPA)
	Position estimated on site

Client:	Project:	Drawn:	Checked:	Approved:	Date:	
KIERAN HEDGES	UG11551: 21 DIDSBURY PARK	AB	GK	AB	23/12/21	
Issue:	Title:	Dwg No:	Scale @ A1:	Revision:		
PLANNING	TREE CONSTRAINTS PLAN	UG_11551_ARB_TCP_02	1:100	00		
						URBAN GREEN A: Ground Floor, The Tower, Deva City Office Park, Trinity Way, Manchester M3 7BF T: +44 (0) 161 312 3131 weareurbangreen.co.uk

Appendix 3: 21 Didsbury Park: Lifting Plan



MAIN CRANE DATA. (DIN ISO 75%)	
Crane:	Liebherr LTM130-5.1
Configuration:	T
Main Boom Extended:	50.5m
Telescopic Sections:	0, 100, 100, 100, 100
Standard Counterweights:	29.3t
Outrigger Base Centres:	8.10m x 7.50m
Hook Block:	26.1t
Max. Outrigger Point Load:	34t
Standard Outrigger Mat Size:	1.2m Diameter
Additional Mats - Base Area:	3m x 1m
Effective Bearing Area:	3m²
Avr. Ground Bearing Pressure:	11.33kN/m²
Max. Working Wind Speed:	11.06m/s
Capacity:	5.2t@35m
LOAD DETAILS - Worst Case	
Item Weight:	3000kgs
Lifting Tackle:	30kgs
Lifting Beam:	N/A
Reduction For Fly:	500kgs
Reduction For Guyed Mast:	N/A
Hook Load:	450kgs
Total Load:	3980kgs
Capacity @ 35m Rad:	5200kgs
% Capacity Used:	76.53%

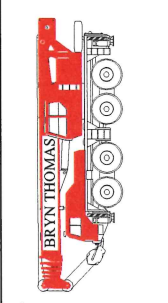
General Notes:

1. Client to ensure that the access and working area is cleared sufficiently to accommodate the crane and transport.
2. Client to ensure a suitable hardstanding and level area to be provided to support all crane and transport loads imposed.

LIEBHERR LTM130-5.1

NEWCO CONCRETE.

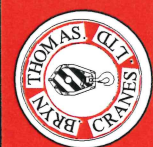
Do not scale drawing
Client to provide safe access to rigging area
Client to provide crane base hardstanding
No crane movements to be unaccompanied
No persons not involved with lift allowed into the segregated area

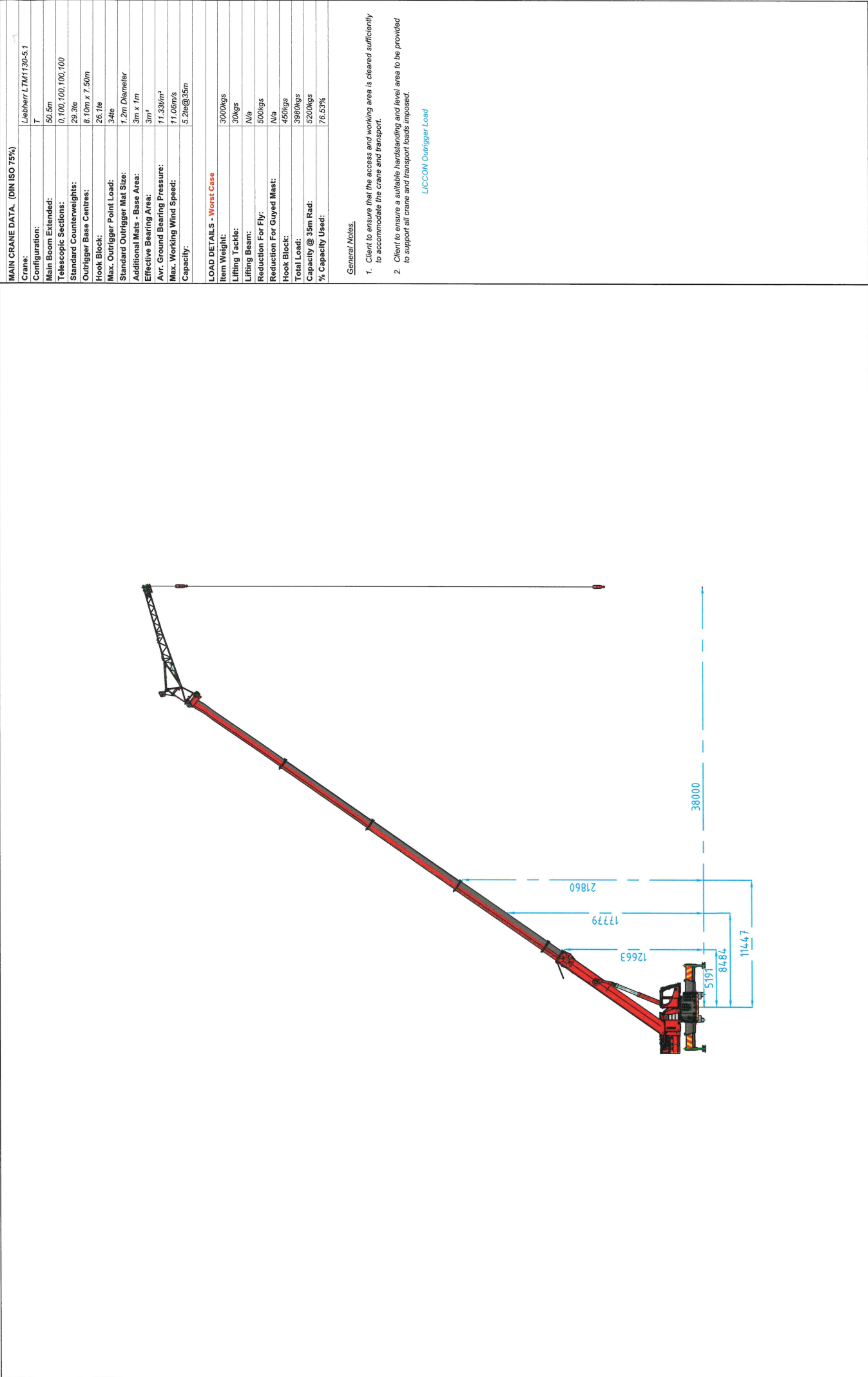


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HEAD OFFICE
421 CHESTER ROAD
OAKENHOLT, FLINT
FLINTSHIRE, CH6 5SE
Tel. 01352 733984 / 733527
www.brynthomascranes.com

Client Name:	Keiran Hughes
Site Address:	21 Didsbury Park M20 5LH
Title / Description:	Building Material Lifts
Scale of Dwg:	DNS
Dwg Status:	Approved for Lifting
LD Number:	Drawn By: Paul Hill
	Date Drawn: 26th January 2022
	Revision Number: 0

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Client Name: Keiran Hughes

Site Address: 21 Didsbury Park M20 5LH

Title / Description: Building Material Lifts

Scale of Dwg: DNS

Dwg Status: Approved for Lifting

ID Number: Drawn By: Paul Hill
Date Drawn: 26th January 2022
Revision Number: 0

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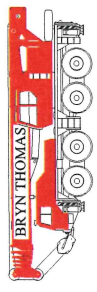
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Do not scale drawing

Client to provide safe access to rigging area

Client to provide crane base hardstanding

No crane movements to be unaccompanied

No persons not involved with lift allowed into the segregated area

Traglasten

Lifting capacities

Forces de levage • Portate

Tablas de carga • Грузоподъемность

TK

		 12,7 – 60 m			 10,8 m						 360°			 42 t			 EN			
 m	12,7 m			30,1 m			34,4 m			38,8 m			43,1 m			47,5 m			 m	
	10,8 m			10,8 m			10,8 m			10,8 m			10,8 m			10,8 m				
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
4	17,5																		4	
4,5	17,1				17,5														4,5	
5	16,6	15,5			17,5														5	
6	15,6	14,8			17,5			17,4											6	
7	14,7	14			17,5			17,3			15,3								7	
8	13,7	13,1	10,7		17,5			17			15,3			13,1					8	
9	12,7	12,4	10,3		17,3	13,5		16,6	13,4		15			13,1			10,9		9	
10	11,7	11,6	9,8		16,7	13		16,1	13		14,7			12,9			10,9		10	
11	10,7	11	9,4		16,2	12,5	10	15,6	12,5		14,4	12,2		12,7			10,8		11	
12	9,7	10,3	9,1		15,6	12,1	9,7	15,2	12,1	9,7	14	11,8		12,5	11,2		10,7		12	
14	8,3	8,6	7,9		14,5	11,3	9,3	14,3	11,4	9,3	13,4	11,2	9,2	12,1	10,7	9	10,5	9,9	14	
16	7,2	7,7	7,4		13,4	10,6	8,9	13,5	10,7	9	12,8	10,6	8,9	11,6	10,2	8,8	10,2	9,6	8,5	16
18	6,3	7,1	7		12,3	10	8,5	12,6	10,2	8,6	12,2	10,1	8,6	11,2	9,8	8,5	10	9,2	8,3	18
20	5,6	6,7	2,4		11,1	9,5	8,2	11,8	9,7	8,3	11,6	9,7	8,3	10,8	9,4	8,3	9,6	8,9	8,1	20
22					9,9	9	8	10,9	9,2	8,1	11	9,2	8,1	10,4	9	8,1	9,2	8,6	7,9	22
24					9,1	8,5	7,7	10	8,8	7,8	10,4	8,9	7,9	9,8	8,7	7,9	8,7	8,4	7,7	24
26					8,3	8,1	7,5	9,1	8,4	7,6	9,7	8,5	7,7	9,2	8,4	7,7	8,2	8	7,6	26
28					7,6	7,7	7,2	8,4	8	7,4	8,9	8,2	7,5	8,6	8,1	7,5	7,6	7,5	7,3	28
30					7	7,4	7,1	7,8	7,7	7,2	8,3	7,9	7,3	8	7,8	7,3	7	7,1	7	30
32					6,5	7,1	7	7,3	7,4	7,1	7,7	7,6	7,2	7,4	7,4	7,1	6,6	6,6	6,6	32
34					6,1	6,9		6,8	7,2	7	7,1	7,2	7	6,6	6,9	6,9	6,1	6,1	6,2	34
36					5,7	6,7		6,3	6,8	6,8	6,3	6,6	6,7	5,8	6,2	6,4	5,6	5,7	5,7	36
38					5,4			5,9	6,1		5,6	5,9	6	5,4	5,5	5,7	5,1	5,3	5,3	38
40								5,4	5,6		5	5,3	5,3	5	5,1	5,1	4,5	4,8	5	40
42								4,8	4,8		4,5	4,7		4,4	4,7	4,8	4,2	4,2	4,5	42
44											4	4,1		3,9	4,1	4,3	3,9	4	4	44
46											3,6	3,6		3,5	3,6		3,6	3,7	3,8	46
48														3,3	3,3		3,2	3,3	3,4	48
50														3,2	3,2		2,9	2,9		50
52																	2,7	2,7		52
54																	2,6	2,6		54

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		 12,7 – 60 m			 10,8 m			 360°			 42 t			 EN		
 m	50,5 m			51,9 m			54,9 m			56,2 m			60 m			 m
	10,8 m			10,8 m			10,8 m			10,8 m			10,8 m			
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
10	7,6			8,4												10
11	7,6			8,4			6,7			6,8						11
12	7,6			8,4			6,7			6,8			5,7			12
14	7,6			8,3			6,7			6,8			5,7			14
16	7,5	7,4		8,3	8,4		6,7	6,6		6,8	6,7		5,7			16
18	7,2	7	6,7	8,2	8,3	7,7	6,7	6,6		6,8	6,7		5,7	5,6		18
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52	2,4	2,5		2,7	2,8		2,6	2,7	2,7	2,3	2,5	2,5	2,2	2,4	2,5	52
54	2,3	2,3		2,4	2,5		2,4	2,5	2,5	1,9	2,1	2,2	1,9	2,1	2,2	54
56	2,2	2,2		2,1	2,2		2,1	2,2		1,7	1,8		1,6	1,8	1,8	56
58	2			1,8	1,9		1,8	1,9		1,4	1,5		1,3	1,5	1,5	58
60				1,3			1,6	1,6		1,1	1,2		1,1	1,2		60
62							1,3			0,9	1		0,9	1		62

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