

Our Ref: - 1226-01 Collyhurst Village Housing

Planning Ref: 129393/VO/21

15 June 2021

Collyhurst Housing - Refuse Strategy Clarification

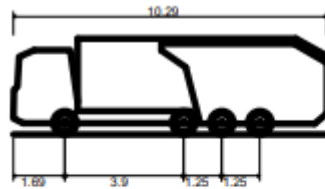
Further to consultation feedback from MCC and the meeting held on 14 June between Avison Young, Civic Engineers, FEC, MCC Planning and MCC Highways, we would like to clarify the proposed refuse strategy as follows:

1. MCC Waste Storage and Collection Guidance for New Development GD04 states that developments should be designed to accommodate maneuvering of a refuse vehicle to the following dimensions:

Length	11.5 metres
Length when loading	13.1 metres
Width	3 metres
Width when loading	4.1 metres
Height	4 metres
Height when loading	6 metres
Turning circle (between kerbs)	17.88 metres
Turning circle (between walls)	19.39 metres

The 11.5m x 3m vehicle ('MCC Vehicle') has been tracked utilising Autotrack software and maneuvers are shown on Civic Engineers drawing 1226-01-CIV-XX-VIL-DR-HI-0300, 1226-01-CIV-XX-VIL-DR-HI-0302, 1226-01-CIV-XX-VIL-DR-HI-0304, 1226-01-CIV-XX-VIL-DR-HI-0306. Tracking has shown that the maneuvers could not be accommodated within all of the Living Streets and as such 6 No. centralised refuse collection points would be required.

2. .Due to the impact that tracking such a large vehicle around the development would have on the streetscape Civic Engineers made contact with Biffa (MCC's refuse provider) who provided a data sheet for the largest vehicle in their fleet. The correspondence with Biffa is attached for reference. The largest specification provided is attached for ease of reference and is the Olympus OL-27W 8x4MS. The dimensional specification of this vehicle ('Olympus Vehicle') is as shown below. The dimensions of the MCC Vehicle as shown above therefore do not reflect the vehicles currently in operation.



OLYMPUS OL-27W 8x4MS	
Overall Length	10.290m
Overall Width	2.530m
Overall Body Height	3.153m
Min Body Ground Clearance	0.358m
Track Width	2.200m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	11.200m

Tracking the proposals with the Olympus Vehicle showed that the living streets would be more accessible, in particular the living street accessed from Paget Street and that this would enable bins from the properties on this living street to be collected from the property itself. Based on this tracking 4No. centralised collection points would be required. This scenario is shown on Civic Engineers drawings 1226-01-CIV-XX-ZZ-SK-C-0020 and 1226-01-CIV-XX-ZZ-SK-C-0022.

- It is proposed that the centralised collection points would be identified through signage and that residents would wheel their bins to the collection point on collection day and return the bins to their homes once collection has taken place. Details of this strategy would be included in the homeowner pack when residents move into the development.

Each centralised collection point would provide for a maximum of 4No. homes. Based on information found online (extract as included below) refuse collection day in Collyhurst is Monday and every other week a maximum of 3No. bins per household could be collected. This would mean a maximum of 12No. bins per collection point. However, as the collection points only serve the 2 bed, back to back houses the maximum number of wheely bins these houses will have is two each along with a food caddy. Therefore the space provided will be sufficient to cater for 8 wheely bins and 4 food caddies.

Working
on what
you value

Your collection day is **MONDAY**

Grey bins

Blue bins

Brown bins

Green bins At the time of printing, green bins are collected every TWO WEEKS - on the same day as your grey bin. If this changes, we will notify you at www.manchester.gov.uk/bincollections

2020

August	3rd	10th	17th	24th	31st
September	7th	14th	21st	28th	
October	5th	12th	19th	26th	
November	2nd	9th	16th	23rd	30th
December	7th	14th	21st	28th	

2021

January	4th	11th	18th	25th	
February	1st	8th	15th	22nd	
March	1st	8th	15th	22nd	29th
April	5th	12th	19th	26th	
May	3rd	10th	17th	24th	31st
June	7th	14th	21st	28th	
July	5th	12th	19th	26th	
August	2nd	9th	16th	23rd	30th

 MANCHESTER
CITY COUNCIL

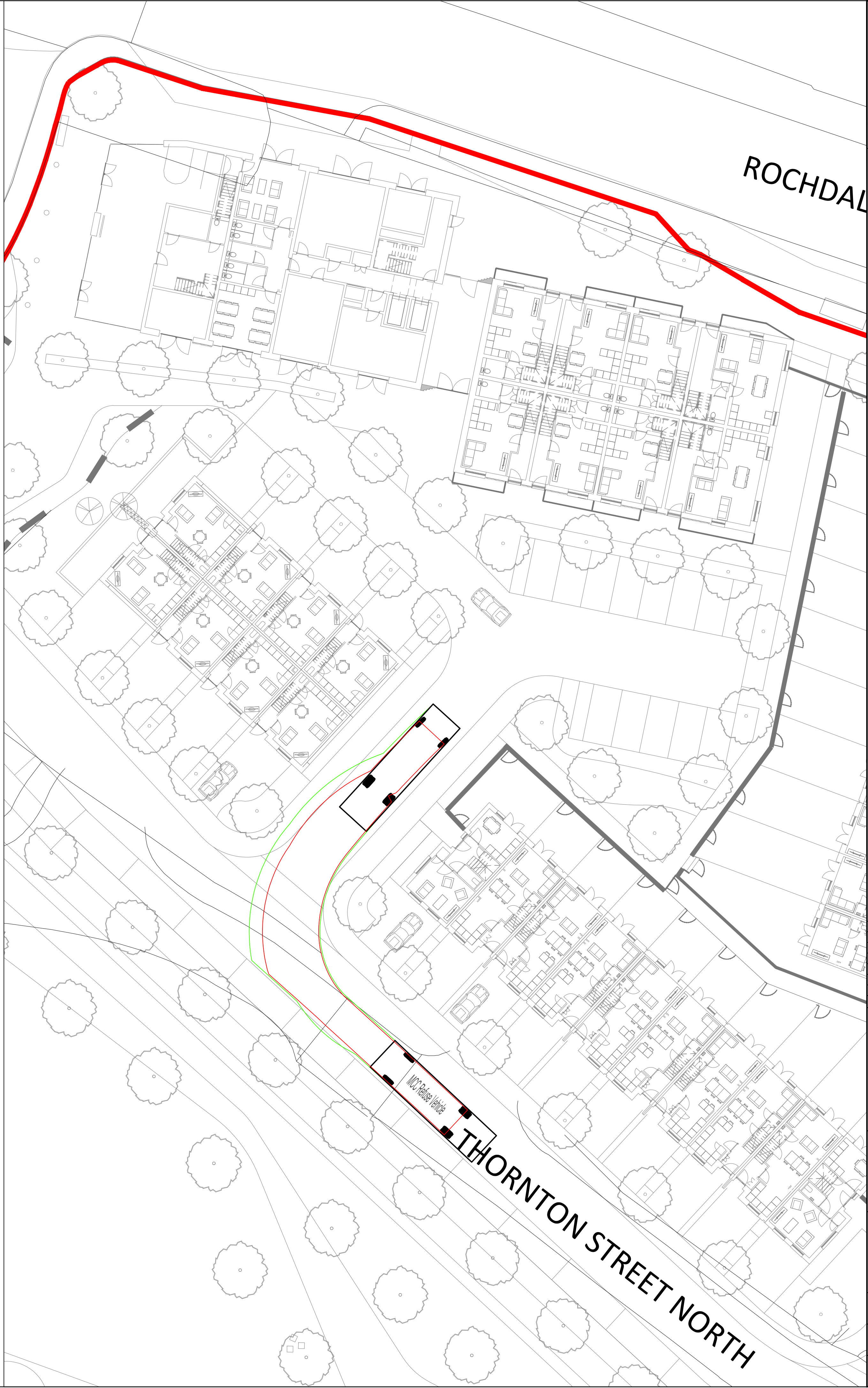
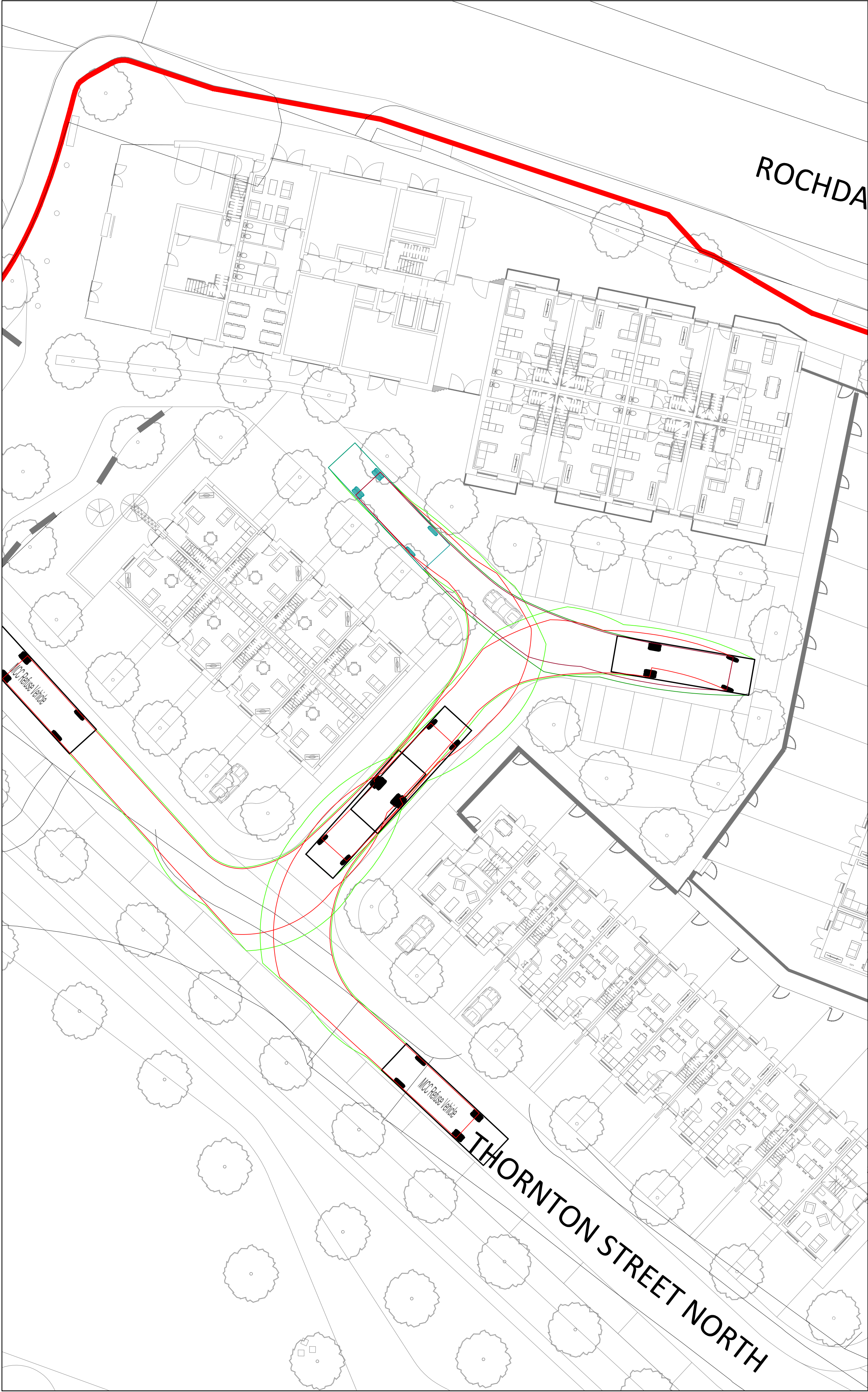
manchester.gov.uk/recycling

 recycle for Manchester

The footway at collection points would be widened locally where required to maintain a 2m clear width when bins are positioned at the back of footway.

The following drawings are attached and should be read in conjunction with this note:

1226-01-CIV-XX-VIL-DR-HI-0300
1226-01-CIV-XX-VIL-DR-HI-0302
1226-01-CIV-XX-VIL-DR-HI-0304
1226-01-CIV-XX-VIL-DR-HI-0306
1226-01-CIV-XX-ZZ-SK-C-0020
1226-01-CIV-XX-ZZ-SK-C-0022.



Standard Notes

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2. This drawing should not be scaled.

3. All dimensions are to be verified by the contractor on site.

4. All discrepancies should be reported to the C.A. prior to the commencement of the works.

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Notes and Keys

A. TOPOGRAPHICAL SURVEY CONDUCTED BY SURVEY OPERATIONS TITLED "TOPOGRAPHICAL SURVEY OF LAND AT: LAND OFF ROCHDALE ROAD COLLYHURST MANCHESTER" DRAWING NUMBER 19K190/003 DATED DECEMBER 2019.

B. SITE LAYOUT PROVIDED BY EXTERIOR LANDSCAPE ARCHITECTS, RECEIVED 11.05.2021

C. AUTODESK VEHICLE TRACKING SOFTWARE AND ARE INDICATIVE ONLY. THE ENVELOPES SHOWN DO NOT MAKE ALLOWANCE FOR DRIVER ABILITY, GRADIENTS AND ALTERNATIVE VEHICLE SPECIFICATIONS.

11.52

1.82

6.5

MCC Refuse Vehicle

Overall Length 11.520m

Overall Width 3.000m

Overall Body Height 3.804m

Min Body Ground Clearance 0.356m

Track Width 2.800m

Lock to lock time 6.00s

Kerb to Kerb Turning Radius 8.940m

KEY

CHASSIS ENVELOPE

BODY ENVELOPE

15m RADIUS

25m RADIUS

11.05.21	P07	UPDATED TO PLANNING COMMENTS	RSH	CFK
26.01.21	P06	LATEST LANDSCAPE ARCHITECT SITE LAYOUT	ZG	CFK
16.12.20	P05	ISSUED FOR PLANNING	RSH	PM
21.10.20	P04	REVISED TRACKING TO UPDATED LAYOUT	RSH	PM
08.04.20	P03	REMOVAL OF D832 REFUSE VEHICLE	RSH	-
23.03.20	P02	ISSUED FOR INFORMATION	RSH	-
28.02.20	P01	ISSUED FOR INFORMATION	RSH	PM
Date	Rev	Description	Drawn	Chkd

Civic Engineers

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LONDON
LEEDS
GLASGOW

Carver's Warehouse, 77 Dale Street, Manchester, M1 2HG. Tel: 0161 228 6700

Peck's Wharf, 28 Mill Street, London SE1 3AA. Tel: 020 7253 2977

Traverse Works, 200-201, Collier Street, Leeds LS1 3JG. Tel: 0113 2025 1203

Crutcher's Chambers, 45 West Nile St, Glasgow, G1 2PP. Tel: 0141 570 1809

www.civiceengineers.com

Project

COLLYHURST HOUSING
MANCHESTER

Title

COLLYHURST VILLAGE (NORTH SITE)
VEHICLE TRACKING
PLOT A
REFUSE VEHICLE

Status

INFORMATION

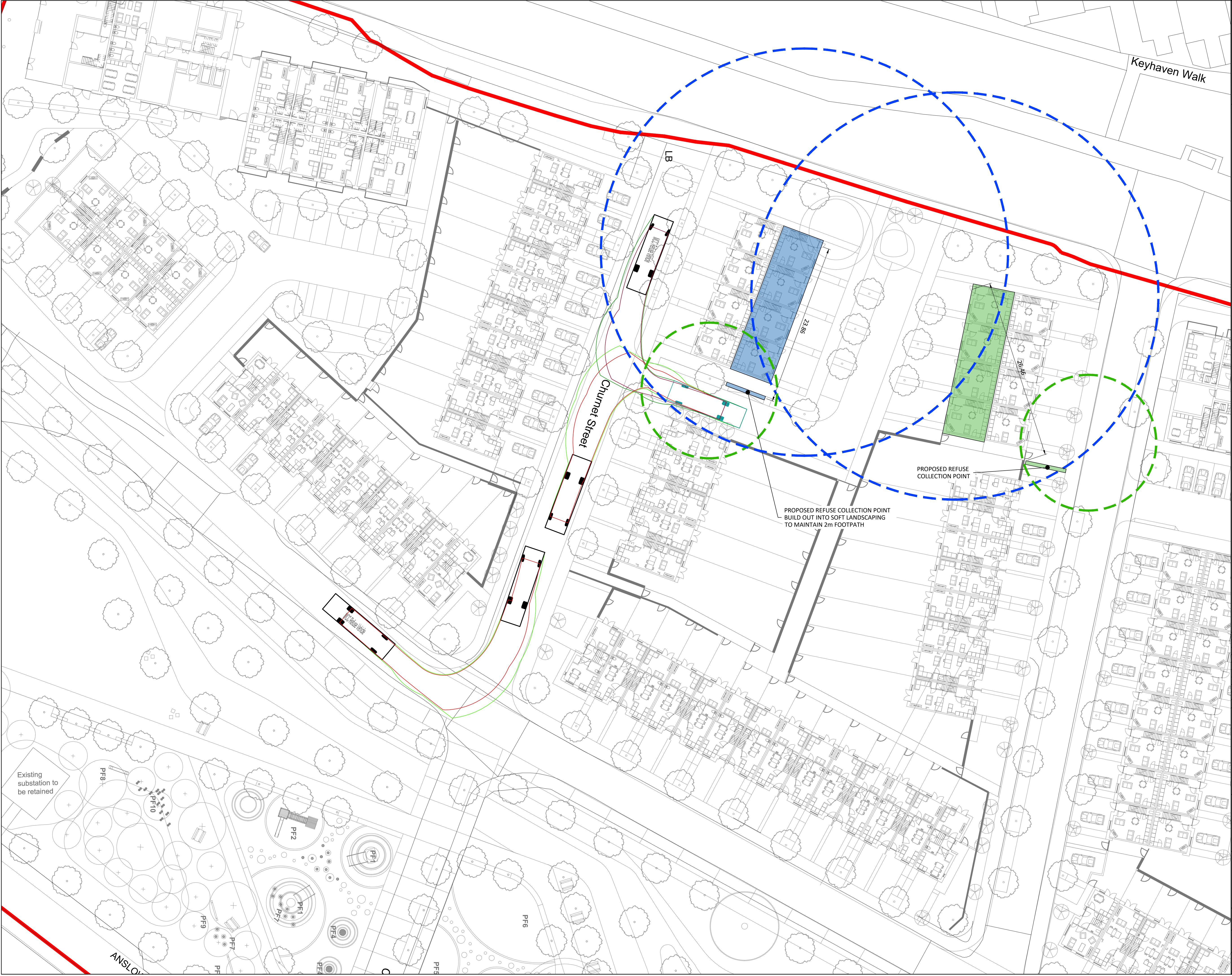
Project Number	Scale @ A1	Date Created	Drawn	Checked	Suitability
1226-01	1:250	26.02.20	RSH	PM	--

Drawing Number

1226-01-CIV-XX-VIL-DR-HI-0300

Revision

P07



Standard Notes

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Notes and Keys

A. TOPOGRAPHICAL SURVEY CONDUCTED BY SURVEY OPERATIONS TITLED "TOPOGRAPHICAL SURVEY OF LAND AT: LAND OFF ROCHDALE ROAD COLLYHURST MANCHESTER" DRAWING NUMBER 19K190/003 DATED DECEMBER 2019.

B. SITE LAYOUT PROVIDED BY EXTERIOR LANDSCAPE ARCHITECTS, RECEIVED 11.05.2021

C. AUTODESK VEHICLE TRACKING SOFTWARE AND ARE INDICATIVE ONLY. THE ENVELOPES SHOWN DO NOT MAKE ALLOWANCE FOR DRIVER ABILITY, GRADIENTS AND ALTERNATIVE VEHICLE SPECIFICATIONS.

11.92

1.82

0.5

MCC Refuse Vehicle

Overall Length

Overall Width

Overall Body Height

Min Body Ground Clearance

Track Width

Lock to lock time

Kerb to Kerb Turning Radius

11.520m

3.000m

3.840m

0.356m

2.500m

6.00s

8.940m

KEY

CHASSIS ENVELOPE

BODY ENVELOPE

10m RADIUS

30m RADIUS

HOUSES SERVING REFUSE COLLECTION POINT 1

HOUSES SERVING REFUSE COLLECTION POINT 2

HOUSES SERVING REFUSE COLLECTION POINT 3

HOUSES SERVING REFUSE COLLECTION POINT 4

HOUSES SERVING REFUSE COLLECTION POINT 5

HOUSES SERVING REFUSE COLLECTION POINT 6

15.06.21

P09

REVISED COLLECTION POINTS

RSH

PM

28.05.21

P08

REVISED INDICATIVE COLLECTION POINTS

RSH

PM

11.05.21

P07

UPDATED TO PLANNING COMMENTS

RSH

CFK

26.01.21

P06

LATEST LANDSCAPE ARCHITECT SITE LAYOUT

ZG

CK

16.12.20

P05

ISSUED FOR PLANNING

RSH

PM

11.11.20

P04

MCC WASTE VEHICLE SPEC

RSH

PM

09.04.20

P03

DB32 REFUSE VEHICLE REMOVED

RSH

-

23.03.20

P02

ISSUED FOR INFORMATION

RSH

-

28.02.20

P01

ISSUED FOR INFORMATION

RSH

PM

Date

Rev

Description

Drawn

Chkd

C

Civic Engineers

MANCHESTER

LEEDS

GLASGOW

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Crestum Chambers, 45 West Nile St, Glasgow, G1 2NP. Tel: 0141 570 1809

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Project

COLLYHURST HOUSING MANCHESTER

Title

COLLYHURST VILLAGE (NORTH SITE)
VEHICLE TRACKING
PLOT B
REFUSE VEHICLE

Status

INFORMATION

Project Number

Scale @ A1

Date Created

Drawn

Checked

Suitability

1226-01

1:200

26.02.20

RSH

PM

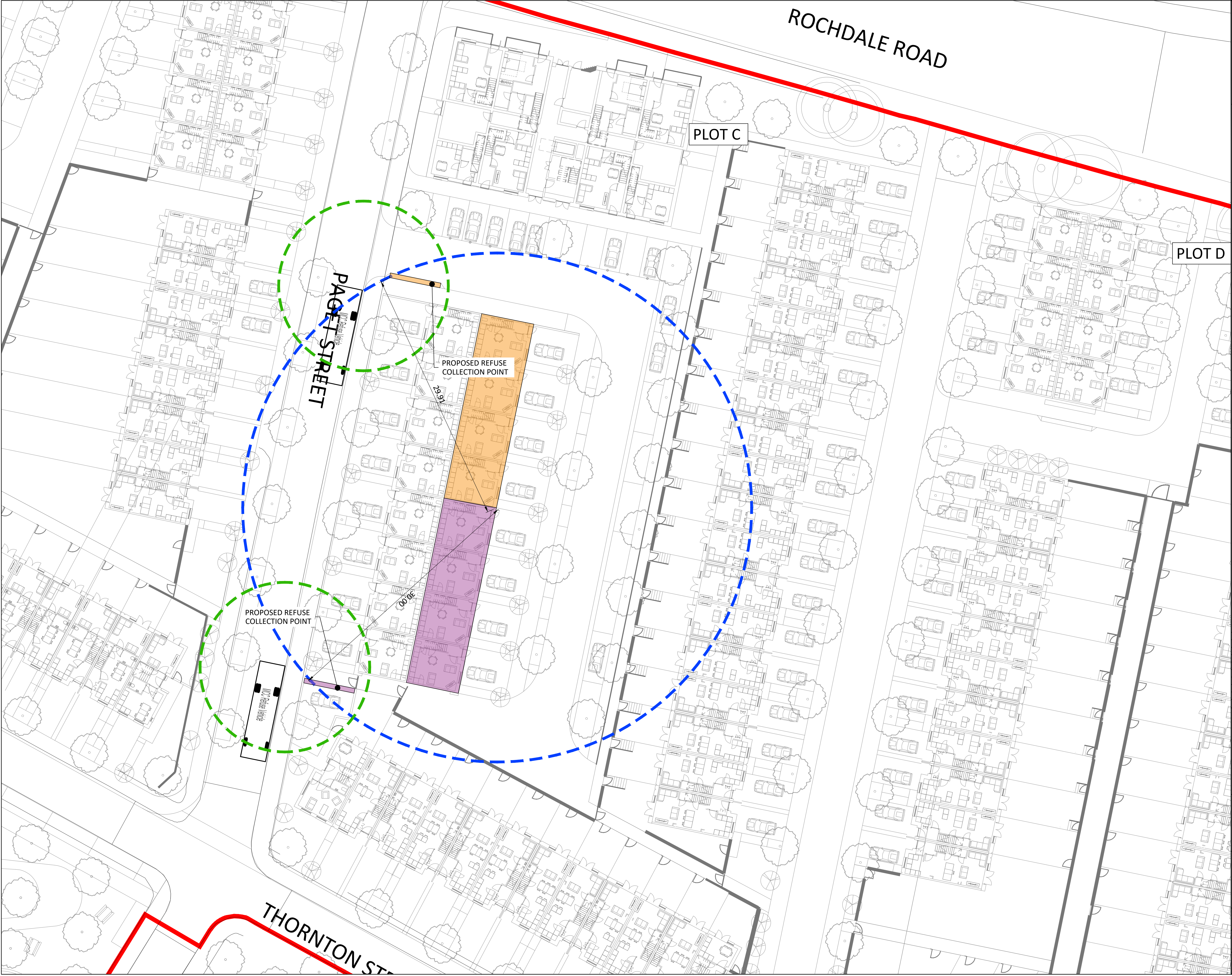
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Drawing Number

Revision

1226-01-CIV-XX-VIL-DR-HI-0302

P09



Standard Notes

1. This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and the specification.
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A. TOPOGRAPHICAL SURVEY CONDUCTED BY SURVEY OPERATIONS TITLED "TOPOGRAPHICAL SURVEY OF LAND AT: LAND OFF ROCHDALE ROAD COLLYHURST MANCHESTER" DRAWING NUMBER 19K190/003 DATED DECEMBER 2019.

B. SITE LAYOUT PROVIDED BY EXTERIOR LANDSCAPE ARCHITECTS, RECEIVED 11.05.2021

C. AUTODESK VEHICLE TRACKING SOFTWARE AND ARE INDICATIVE ONLY. THE ENVELOPES SHOWN DO NOT MAKE ALLOWANCE FOR DRIVER ABILITY, GRADIENTS AND ALTERNATIVE VEHICLE SPECIFICATIONS.

MCC Refuse Vehicle
Overall Length 11.52m
Overall Width 3.000m
Overall Body Height 3.804m
Min Body Ground Clearance 0.356m
Track Width 2.800m
Lock to lock time 6.00s
Kerb to Kerb Turning Radius 8.940m

KEY

- CHASSIS ENVELOPE
- BODY ENVELOPE
- 10m RADIUS
- 30m RADIUS
- HOUSES SERVING REFUSE COLLECTION POINT 1
- HOUSES SERVING REFUSE COLLECTION POINT 2
- HOUSES SERVING REFUSE COLLECTION POINT 3
- HOUSES SERVING REFUSE COLLECTION POINT 4
- HOUSES SERVING REFUSE COLLECTION POINT 5
- HOUSES SERVING REFUSE COLLECTION POINT 6

15.06.21	P09	REVISED COLLECTION POINTS	RSH	PM
28.05.21	P08	REVISED INDICATIVE COLLECTION POINTS	RSH	PM
11.05.21	P07	UPDATED TO PLANNING COMMENTS	RSH	CFK
26.01.21	P06	LATEST LANDSCAPE ARCHITECT SITE LAYOUT	ZG	CFK
16.12.20	P05	ISSUED FOR PLANNING	RSH	PM
21.10.20	P04	REVISED TRACKING TO UPDATED LAYOUT	RSH	PM
08.04.20	P03	DB32 VEHICLE REMOVED	RSH	-
23.03.20	P02	ISSUED FOR INFORMATION	RSH	-
28.02.20	P01	ISSUED FOR INFORMATION	RSH	PM
Date	Rev	Description	Drawn	Chkd

Civic Engineers

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LEEDS
GLASGOW

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Trower Works, 2001-02, Clifton Road, Leeds, LS2 1JG, Tel: 0113 2025 1203
Gresham Chambers, 45 West Nile St, Glasgow, G1 2PP, Tel: 0141 570 1829

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Project

COLLYHURST HOUSING
MANCHESTER

Title

COLLYHURST VILLAGE (NORTH SITE)
VEHICLE TRACKING
PLOT C
REFUSE VEHICLE

Status

INFORMATION

Project Number	Scale @ A1	Date Created	Drawn	Checked	Suitability
1226-01	1:200	26.02.20	RSH	PM	--
Drawing Number					Revision
1226-01-CIV-XX-VII-DR-HI-0304					P09



Standard Notes

1. This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and the specification.

2. This drawing should not be scaled.

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Notes and Keys

A. TOPOGRAPHICAL SURVEY CONDUCTED BY SURVEY OPERATIONS TITLED "TOPOGRAPHICAL SURVEY OF LAND AT: LAND OFF ROCHDALE ROAD COLLYHURST MANCHESTER" DRAWING NUMBER 19K190/003 DATED DECEMBER 2019.

B. SITE LAYOUT PROVIDED BY EXTERIOR LANDSCAPE ARCHITECTS, RECEIVED 11.05.2021

C. AUTODESK VEHICLE TRACKING SOFTWARE AND ARE INDICATIVE ONLY. THE ENVELOPES SHOWN DO NOT MAKE ALLOWANCE FOR DRIVER ABILITY, GRADIENTS AND ALTERNATIVE VEHICLE SPECIFICATIONS.

11.52

1.82

6.5

MCC Refuse Vehicle

Overall Length11.520m

Overall Width3.000m

Overall Body Height3.804m

Min Body Ground Clearance0.356m

Track Width2.800m

Lock to lock time6.00s

Kerb to Kerb Turning Radius8.940m

KEY

CHASSIS ENVELOPE

BODY ENVELOPE

10m RADIUS

30m RADIUS

HOUSES SERVING REFUSE COLLECTION POINT 1

HOUSES SERVING REFUSE COLLECTION POINT 2

HOUSES SERVING REFUSE COLLECTION POINT 3

HOUSES SERVING REFUSE COLLECTION POINT 4

HOUSES SERVING REFUSE COLLECTION POINT 5

HOUSES SERVING REFUSE COLLECTION POINT 6

15.06.21

P09

REVISED COLLECTION POINTS

RSH

PM

28.05.21

P08

REVISED INDICATIVE COLLECTION POINTS

RSH

PM

11.05.21

P07

UPDATED TO PLANNING COMMENTS

RSH

CFK

26.01.21

P06

LATEST LANDSCAPE ARCHITECT SITE LAYOUT

ZG

CK

16.12.20

P05

ISSUED FOR PLANNING

RSH

PM

21.10.20

P04

TRACKING REVISED TO UPDATED LAYOUT

RSH

PM

09.04.20

P03

DB32 REFUSE TRACKING REMOVED

RSH

RSH

23.03.20

P02

ISSUED FOR INFORMATION

RSH

RSH

28.02.20

P01

ISSUED FOR INFORMATION

RSH

PM

Date

Rev

Description

Drawn

Chkd

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LONDON

Reeds Wharf, 28 Mill Street, London SE13 3AG, Tel: 020 7253 2977

LEEDS

Truvel Works, 20th Floor, 100th Street, Leeds LS1 1JG, Tel: 0113 2025 1203

GLASGOW

Graham Chambers, 45 West Nile St, Glasgow, G1 2PP, Tel: 0141 201 5829

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Project

COLLYHURST HOUSING
MANCHESTER

Title

COLLYHURST VILLAGE (NORTH SITE)
VEHICLE TRACKING
PLOT D
REFUSE VEHICLE

Status

INFORMATION

Project Number

Scale @ A1

Date Created

Drawn

Checked

Suitability

1226-01

1:200

26.02.20

RSH

PM

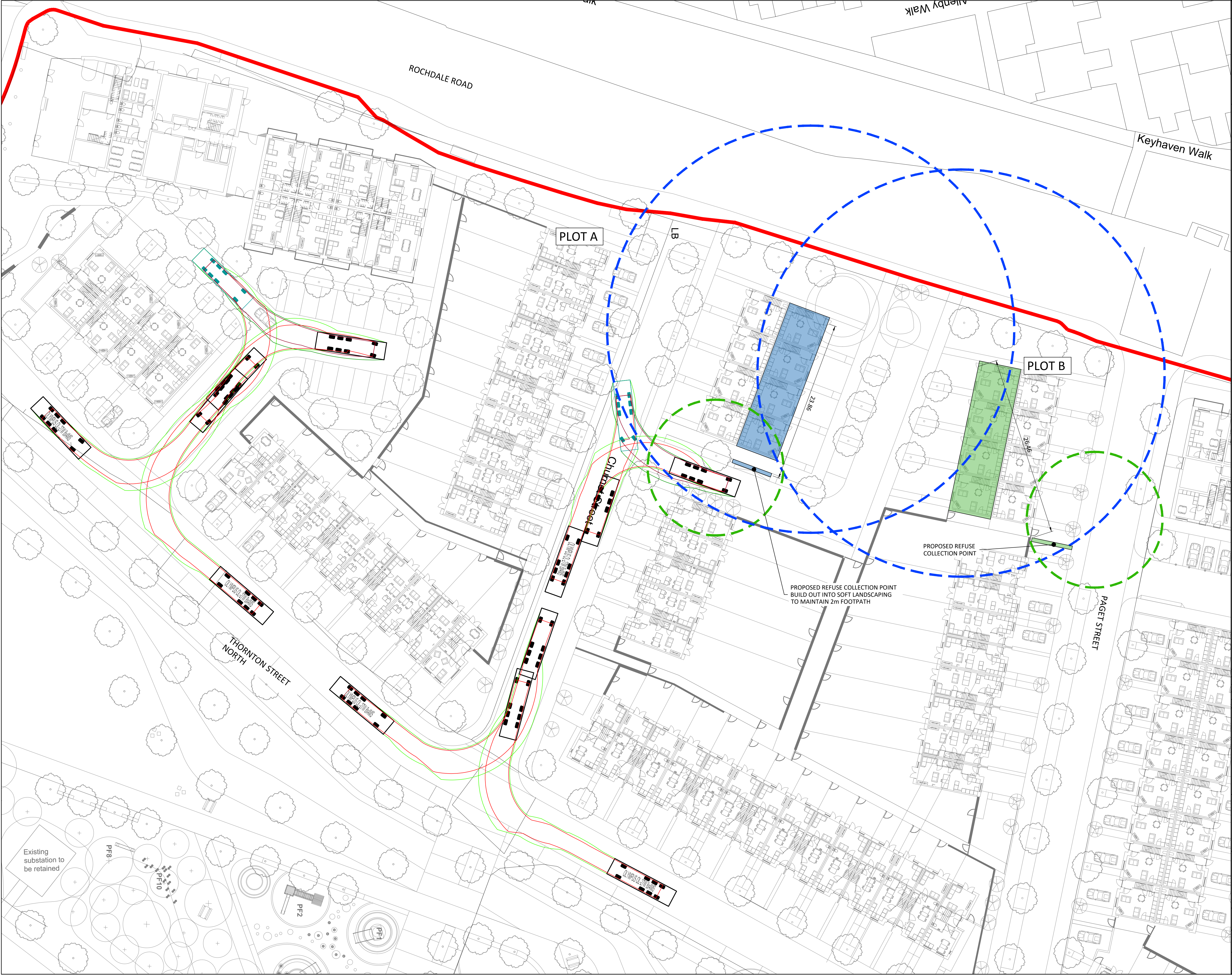
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Drawing Number

Revision

1226-01-CIV-XX-VIL-DR-HI-0306

P09



Standard Notes

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Notes and Keys

A. TOPOGRAPHICAL SURVEY CONDUCTED BY SURVEY OPERATIONS TITLED "TOPOGRAPHICAL SURVEY OF LAND AT: LAND OFF ROCHDALE ROAD COLLYHURST MANCHESTER" DRAWING NUMBER 19K190/003 DATED DECEMBER 2019.

B. SITE LAYOUT PROVIDED BY EXTERIOR LANDSCAPE ARCHITECTS, RECEIVED 11.05.2021

C. AUTODESK VEHICLE TRACKING SOFTWARE AND ARE INDICATIVE ONLY. THE ENVELOPES SHOWN DO NOT MAKE ALLOWANCE FOR DRIVER ABILITY, GRADIENTS AND ALTERNATIVE VEHICLE SPECIFICATIONS.

10.00

1.00 3.00 1.25 1.25

OLYMPUS OL-27W 8x4MS

Overall Length

Overall Width

Overall Body Height

Min Body Ground Clearance

Track Width

Lock to lock time

Kerb to Kerb Turning Radius

10.290m

2.530m

3.153m

0.358m

2.200m

4.00s

11.200m

KEY

CHASSIS ENVELOPE

BODY ENVELOPE

10m RADIUS

30m RADIUS

HOUSES SERVING REFUSE COLLECTION POINT 1

HOUSES SERVING REFUSE COLLECTION POINT 2

HOUSES SERVING REFUSE COLLECTION POINT 3

HOUSES SERVING REFUSE COLLECTION POINT 4

HOUSES SERVING REFUSE COLLECTION POINT 5

HOUSES SERVING REFUSE COLLECTION POINT 6

15.06.21

P04

REVISED COLLECTION POINTS

RSH

PM

10.06.21

P03

ISSUED FOR INFORMATION

RSH

PM

28.10.20

P02

ISSUED FOR INFORMATION

RSH

PM

09.04.20

P01

ISSUED FOR INFORMATION

RSH

PM

Date

Rev

Description

Drawn

Chkd

MANCHESTER

LEEDS

GLASGOW

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Traverse Works, 200-201, Clifton Road, Leeds, LS2 1 2JG, Tel: 0113 2025 1202

Greenham Chambers, 45 West Nile St, Glasgow, G1 2PP, Tel: 0141 570 1809

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Project

COLLYHURST HOUSING MANCHESTER

Title

COLLYHURST VILLAGE (NORTH SITE) VEHICLE TRACKING PLOT A REFUSE VEHICLE

Status

INFORMATION

Project Number

Scale @ A1

Date Created

Drawn

Checked

Suitability

1226-01

1:250

26.02.20

RSH

PM

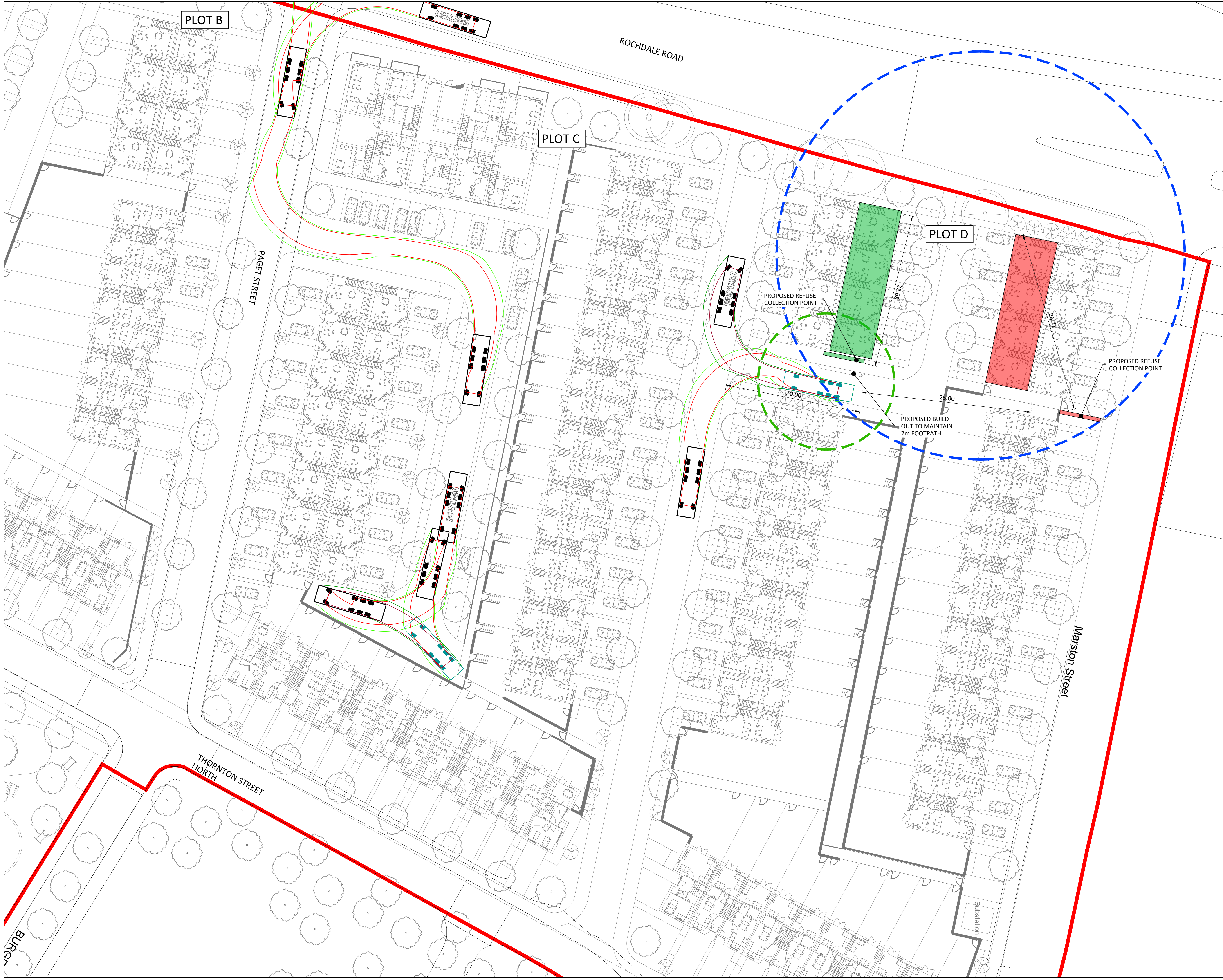
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Drawing Number

1226-01-CIV-XX-ZZ-SK-C-0020

Revision

P04



Standard Notes

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Notes and Keys

A. TOPOGRAPHICAL SURVEY CONDUCTED BY SURVEY OPERATIONS TITLED "TOPOGRAPHICAL SURVEY OF LAND AT: LAND OFF ROCHDALE ROAD COLLYHURST MANCHESTER" DRAWING NUMBER 19K190/003 DATED DECEMBER 2019.

B. SITE LAYOUT PROVIDED BY EXTERIOR LANDSCAPE ARCHITECTS, RECEIVED 11.05.2021

C. AUTODESK VEHICLE TRACKING SOFTWARE AND ARE INDICATIVE ONLY. THE ENVELOPES SHOWN DO NOT MAKE ALLOWANCE FOR DRIVER ABILITY, GRADIENTS AND ALTERNATIVE VEHICLE SPECIFICATIONS.

10.26

1:100

3.0

25

1.25

OLYMPUS OL-27W 8x4MS

Overall Length 10.200m

Overall Width 2.330m

Overall Body Height 3.153m

Min Body Ground Clearance 0.358m

Track Width 2.200m

Lock to lock time 4.00s

Kerb to Kerb Turning Radius 11.200m

KEY

CHASSIS ENVELOPE

BODY ENVELOPE

10m RADIUS

30m RADIUS

HOUSES SERVING REFUSE COLLECTION POINT 1

HOUSES SERVING REFUSE COLLECTION POINT 2

HOUSES SERVING REFUSE COLLECTION POINT 3

HOUSES SERVING REFUSE COLLECTION POINT 4

HOUSES SERVING REFUSE COLLECTION POINT 5

HOUSES SERVING REFUSE COLLECTION POINT 6

15.06.21

P04

REVISED COLLECTION POINTS

RSH

PM

10.06.21

P03

ISSUED FOR INFORMATION

RSH

PM

28.10.20

P02

ISSUED FOR INFORMATION

RSH

PM

28.02.20

P01

ISSUED FOR INFORMATION

RSH

PM

Date

Rev

Description

Drawn

Chkd

Civic Engineers

MANCHESTER
LONDON
LEEDS
GLASGOW

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Riverside Wharf, 28 Mill Street, London SE13 3AA, Tel: 020 7263 2977
Trower Works, 2001-01, Clifton Road, Leeds LS2 2BQ, Tel: 0113 2025 1202
Crestview Chambers, 45 West Nile St, Glasgow, G1 2PP, Tel: 0141 570 1829

www.civicengineers.com

Project

COLLYHURST HOUSING MANCHESTER

Title

COLLYHURST VILLAGE (NORTH SITE)
VEHICLE TRACKING
PLOT C
REFUSE VEHICLE

Status

INFORMATION

Project Number

Scale @ A1

Date Created

Drawn

Checked

Suitability

1226-01

1:250

26.02.20

RSH

PM

--

Drawing Number

Revision

1226-01-CIV-XX-ZZ-SK-C-0022

P04

Carver's Warehouse, 77 Dale Street, Manchester, M1 2HG

Tel: 0161 228 6757

Web: CivicEngineers.com



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In the interests of the environment, please do not print this email unless necessary

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Registered address Carver's Warehouse, 77 Dale Street, Manchester, M1 2HG.



From: Gale Anderson [<mailto:gale.anderson@biffa.co.uk>]

Sent: 13 December 2016 15:12

To: Eleanor Swire <e.swire@stephenson-studio.com>

Cc: Chris Shaw <ChrisShaw@urbansplash.co.uk>; Giovanni Smanio <giovanni@civicengineers.com>; Roger Stephenson <r.stephenson@stephenson-studio.com>; Yuchen Mei <Y.Mei@stephenson-studio.com>

Subject: RE: New development Great Ancoats street refuse collection

Hi

I've attached specs for some of our most common vehicles in the fleet.

Regards

Gale

From: Eleanor Swire [<mailto:e.swire@stephenson-studio.com>]

Sent: 13 December 2016 15:00

To: Gale Anderson

Cc: Chris Shaw; Giovanni Smanio; Roger Stephenson; Yuchen Mei

Subject: RE: New development Great Ancoats street refuse collection

Thank Gale

What is the maximum size of vehicle we need to accommodate?

Kind regards

Eleanor

eleanor swire

for stephenson STUDIO



stephenson STUDIO ltd
3 riverside mews

4 commercial street
manchester, M15 4RQ
(registered office)

www.stephenson-studio.com

e.swire@stephenson-studio.com

+44 (0)161 832 0244

e-mail disclaimer available at www.stephenson-studio.com

**stephenson STUDIO will be closed from Friday 23rd December 2016 and will re-open on Tuesday 3rd January 2017.
Wishing you all a very Merry Christmas and a Happy New Year**

From: Gale Anderson [<mailto:gale.anderson@biffa.co.uk>]
Sent: 13 December 2016 14:57
To: Eleanor Swire <e.swire@stephenson-studio.com>
Subject: RE: New development Great Ancoats street refuse collection

Hi Eleanor

Due to the nature of this type of call we only use the larger size vehicles. It is possible that the vehicle attending may be longer than the 11.2m you have allowed for.

Regards
Gale

www.stephenson-studio.com
e.swire@stephenson-studio.com
+44 (0)161 832 0244

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