

To	LBH Highways	Date: 28th June 2022
cc	Billy Palmer – Bidwells, Tim Martin - LBH, Mark Clarke - CDC	Ref: 3249/007/007

Introduction

1. Robert West were appointed by the London Borough of Hillingdon (LBH) in February 2022 to provide transport planning advice in relation to the expansion of Meadow High School at Harefield Academy.
2. The development proposals comprise change of use of former residential school (Use Class C2) to education facility (Use Class F.1), two storey extension to provide additional teaching space, construction of a Multi-Use Games Area, revised vehicular access, landscaping, car and cycle parking, and associated works.
3. The scheme has been the subject of a planning application (reference 17709/APP/2022/1387) and is currently in the consultation period. The planning application is expected to be heard at planning committee on 26th July 2022.
4. This addendum has been provided to address comments and feedback from the LBH Highways Officer dated the 8th June 2022 and address any potential impacts resulting from the proposed amendments. In summary, the proposed amendments would have no material impact on the results and recommendations of the assessment as submitted with the original application.
5. This Transport Addendum has been prepared to outline the changes with regard to transport. These comprise:
 - i. Removal of footway to the east of the proposed site access to be dedicated to vehicles.
 - ii. Removal of the proposed pedestrian crossing at the proposed site access.
 - iii. Removal of the proposed 20mph zone on Northwood Road.
6. It also seeks to ensure that consultation feedback from LBH has been addressed as follows:
 - i. The confirmation on if out of hours community use will occur at Meadow High School.
 - ii. Confirmation if extracurricular community activities are scheduled to take place and provide an estimate of how many users are expected.

7. The LBH Highways team have requested the following items to be conditioned and the applicant accepts these conditions:
 - i. Further details regarding Electric Vehicle Charging Points to be provided and secured by planning condition.
 - ii. Motorcycle parking provision to be provided in line with The Local Plan: Part 2 DMT 6 policy and parking standard at a rate of one motorcycle parking space per 20 car parking spaces.
 - iii. Parking Design and Management Plan to be secured by planning condition.
 - iv. A full School Travel Plan covering both Meadow High School and Harefield Academy to be secured by planning condition.
 - v. A detailed Construction Logistics Plan and Phasing Regime is to be secured by planning condition.
8. This Transport Addendum should be read in conjunction with the following documents which formed part of the planning application (reference: 17709/APP/2022/1387):
 - i. Transport Assessment (3249/007/001B)
 - ii. School Travel Plan (3249/007/003B).
 - iii. Delivery and Servicing Plan (3249/007/004A).
 - iv. Outline Construction Logistics Plan (3249/007/005A).

Footway at proposed site access and pedestrian crossing

9. Changes to the proposed development scheme include the removal of the footway for pedestrians at the site access and the pedestrian crossing on Northwood Road at the site access. The proposed site access is proposed to be dedicated vehicular access. Cyclists can also use this access. This approach was recommended by LBH Highways Officer. The updated Site Access General Arrangement drawing and vehicle tracking is attached at Appendix A. No geometric changes to the site access are required subsequent to the removal of the footway at the site access.
10. Pedestrians accessing Meadow High School are now proposed to use the Harefield Academy pedestrian entrance from Northwood Way. Pedestrians will follow the footpath to the automatic pedestrian gate to the west of the minibus drop-off area. A total of 36 daily two-way pedestrian trips expected to be produced by Meadow High School due transport requirements of pupils and remote location of the school requiring staff to drive. Therefore, the increase in low volumes of pedestrian trips at the Harefield Academy pedestrian

access will have no material impact on existing operations.

20mph zone

11. Changes to the proposed development scheme include the removal of the proposed 20mph zone on Northwood Road within the vicinity of the site as advised by the LBH Highways Officer.
12. Visibility splays at the site access is now proposed to be provided at 2.4m x 60m in accordance with 85th percentile speeds recorded (35.7mph westbound and 35.3mph eastbound) by ATC surveys undertaken from Monday 21st February 2022. The updated Visibility Splay drawing at the site access is attached at Appendix B.
13. It is acknowledged that a larger area of vegetation and trimming/removal is required to achieve visibility in line with 85th percentile speeds. Appropriate screening will be provided within the site boundary at locations where vegetation trimming/removal is required. This approach was discussed with and accepted by the LBH.
14. It is noted that with the removal of the 20mph zone from the development proposals, high vehicle speeds and pedestrian safety concerns on Northwood Way are no longer addressed. To mitigate pedestrian safety concerns, pedestrian access is now proposed from the Harefield Academy access on Northwood Way moving proposed pedestrian movements from Northwood Road. The proposed site access on Northwood Road will be dedicated for vehicles and cyclists only.
15. This approach was suggested by the LBH Highways Officer and is considered to be acceptable given the low volumes of total daily vehicle movements at the proposed site access (118 vehicle movements).

Out of hours community use

16. No community use or extracurricular activities are proposed to occur at Meadow High School outside of school hours.
17. If any one-off events were to occur at Meadow High School outside of school hours, users would be expected to park within the Meadow High School car park accessed from Northwood Road.
18. It is understood that there is existing capacity for extracurricular activities and community use that demand cannot meet and therefore Meadow High School would not be required for out of hours use.

Conclusions

19. Robert West were appointed by the LBH in February 2022 to provide transport planning advice in relation to the expansion of Meadow High School at Harefield Academy.
20. The scheme has been the subject of a planning application (reference 17709/APP/2022/1387) and is

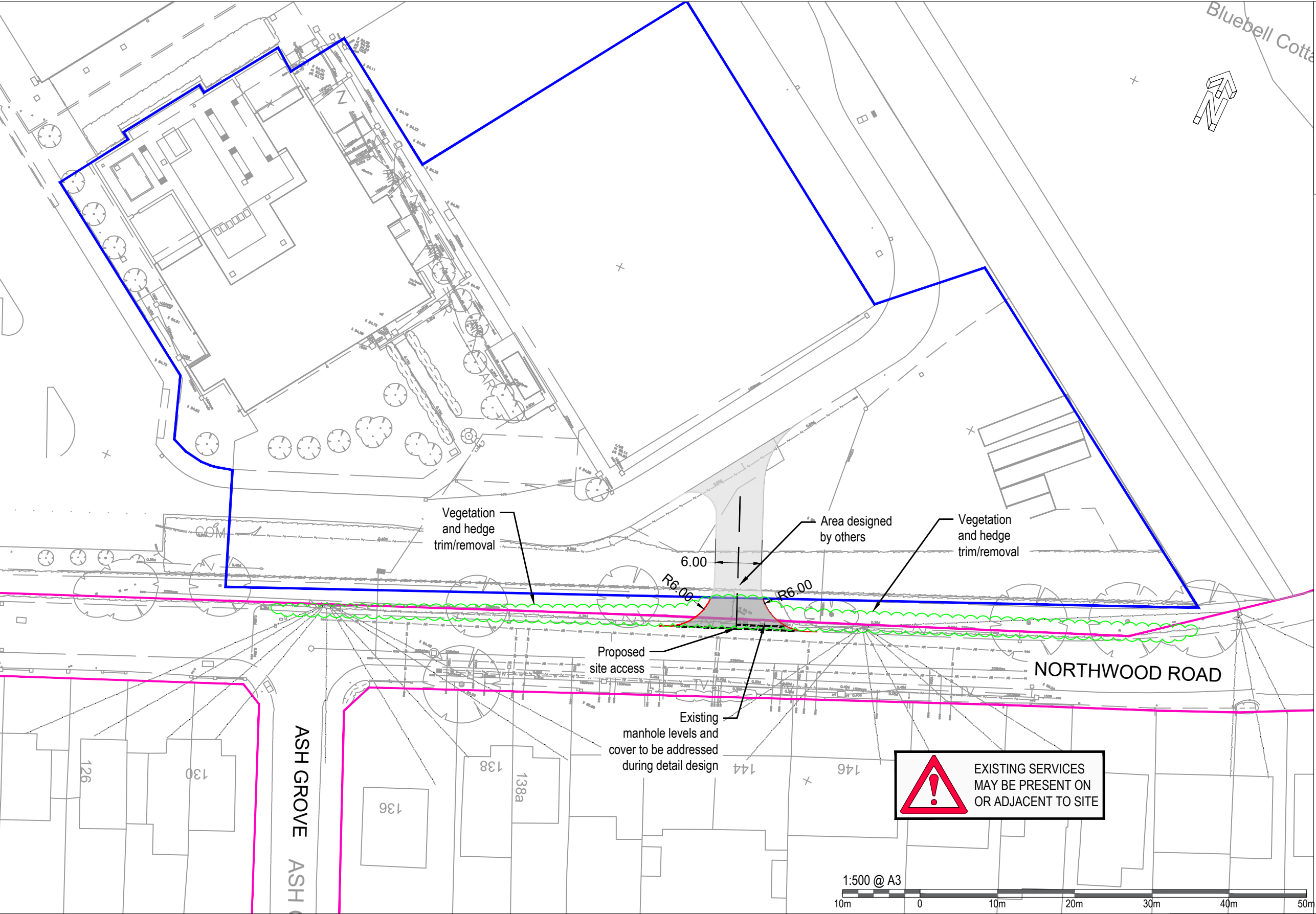
currently in the consultation period. The planning application is expected to be heard at planning committee on 26th July 2022.

21. This Transport Addendum has been provided to address feedback from the LBH Highways Officer any potential impacts resulting from the proposed amendments. A summary of the Transport Addendum follows:

- i. The proposed amendments would have no material impact on the results and recommendations of our assessment as submitted with the original application.
- ii. The planning conditions put forward by the LBH Highways Officers are accepted by the applicant.

Appendix A – Revised Site Access General Arrangement

Two thin, light gray curved lines originate from the left edge of the page and sweep downwards and to the right, framing the right side of the page.



- Notes:
- 1. The contractor is responsible for verifying all site & setting out dimensions before commencing work.
 - 2. This drawing is to be read in conjunction with all relevant Architectural and M & E drawings.
 - 3. All dimensions in meters unless stated otherwise.

- Key :
- Property Boundary
 - Proposed access pavement
 - Proposed kerbing
 - Highway Boundary
 - Vegetation and hedge trim/removal

PRELIMINARY

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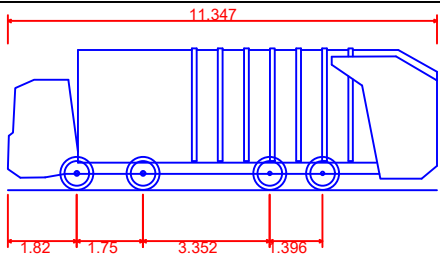
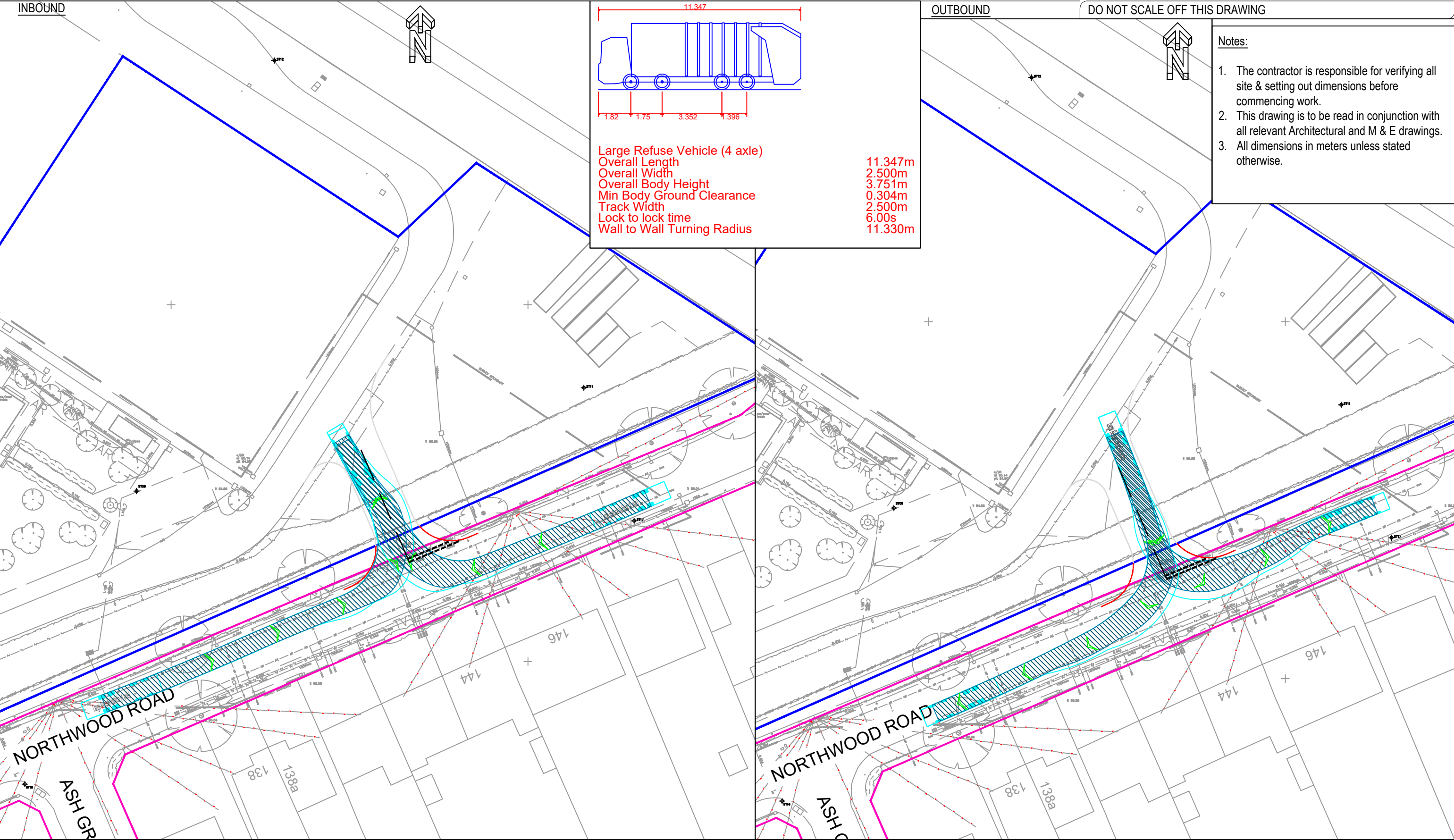
Project
Meadow High School and Harefield Academy

Drawing Title
GENERAL ARRANGEMENT
PROPOSED SITE ACCESS
Sheet 01 of 01

RWCL Internal Register reference: 3249-007 Scales @ A3
3249-007-T-006-P01

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Revision History					
Rev	Comment	By	Chkd	Appr	Date
Current Revision					
P01	Changes requested by Highways Authority	CP	SB	AMI	28/06/2022



Large Refuse Vehicle (4 axle)
Overall Length 11.347m
Overall Width 2.500m
Overall Body Height 3.751m
Min Body Ground Clearance 0.304m
Track Width 2.500m
Lock to lock time 6.00s
Wall to Wall Turning Radius 11.330m

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1:500 @ A3

10m 0 10m 20m 30m 40m 50m

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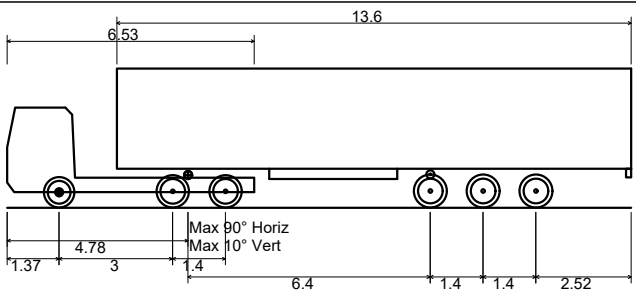
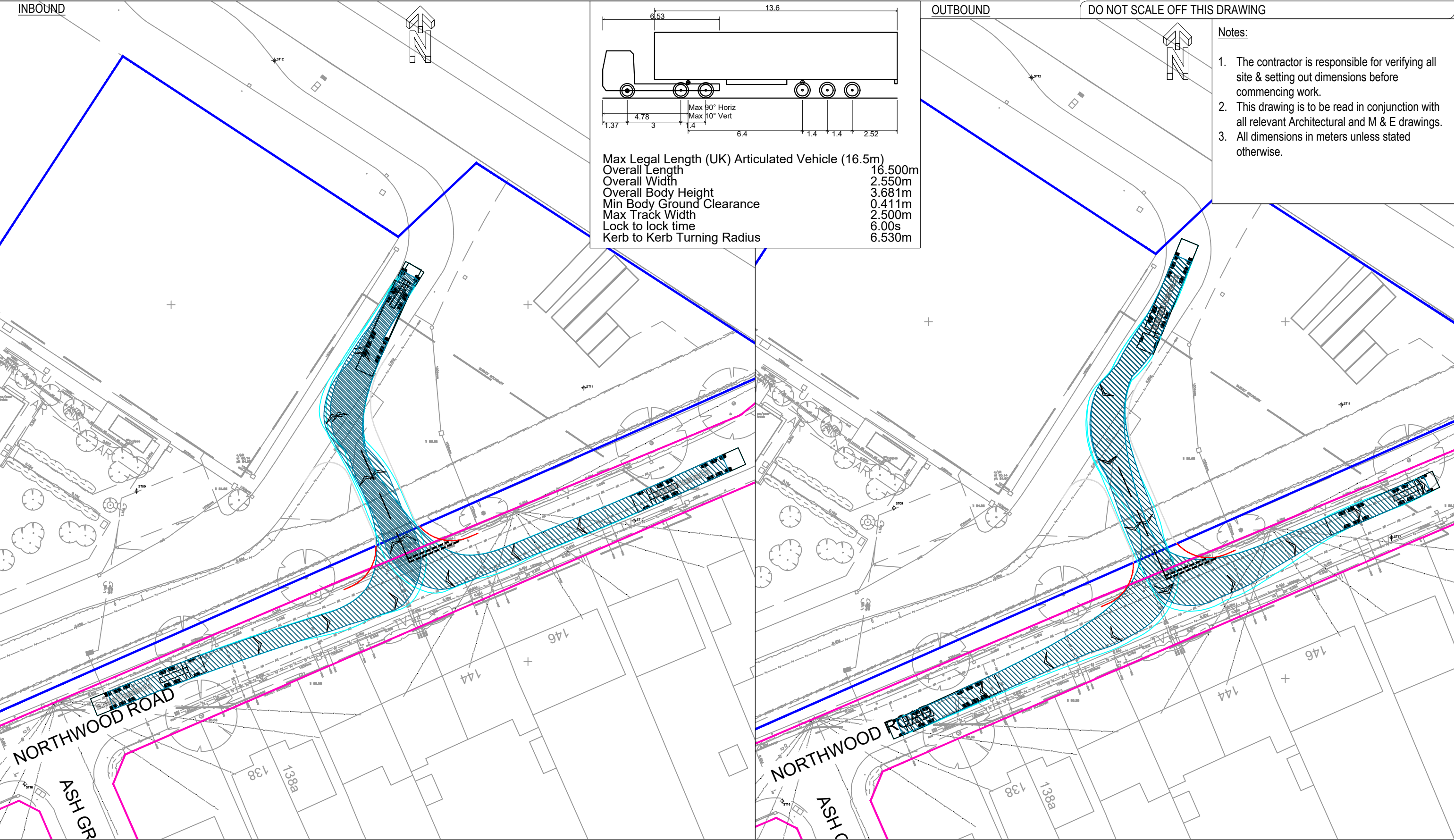
Project
Meadow High School and Harefield Academy

Drawing Title
SWEPT PATH ANALYSIS
REFUSE VEHICLE
Sheet 01 of 01

RWCL Internal Register reference: 3249-007 Scales @ A3
3249-007-T-008-P01

- Key :
- Property Boundary
 - Highway Boundary
 - Wheel track (forward manoeuvre) Shows outer limits of wheel entirely within the carriageway. Not encroaching on any kerbs.
 - Body track- Shows outer limit of the body generally within carriageway. May overhang on verge when turning necessary.

Revision History					
Rev	Comment	By	Chkd	Appr	Date
Current Revision					
P01	Changes requested by Highways Authority	CP	SB	AMI	27/06/2022



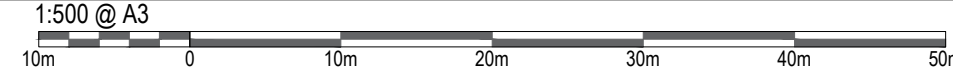
Max Legal Length (UK) Articulated Vehicle (16.5m)
Overall Length 16.500m
Overall Width 2.550m
Overall Body Height 3.681m
Min Body Ground Clearance 0.411m
Max Track Width 2.500m
Lock to lock time 6.00s
Kerb to Kerb Turning Radius 6.530m

OUTBOUND

DO NOT SCALE OFF THIS DRAWING

Notes:

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Project
Meadow High School and Harefield Academy

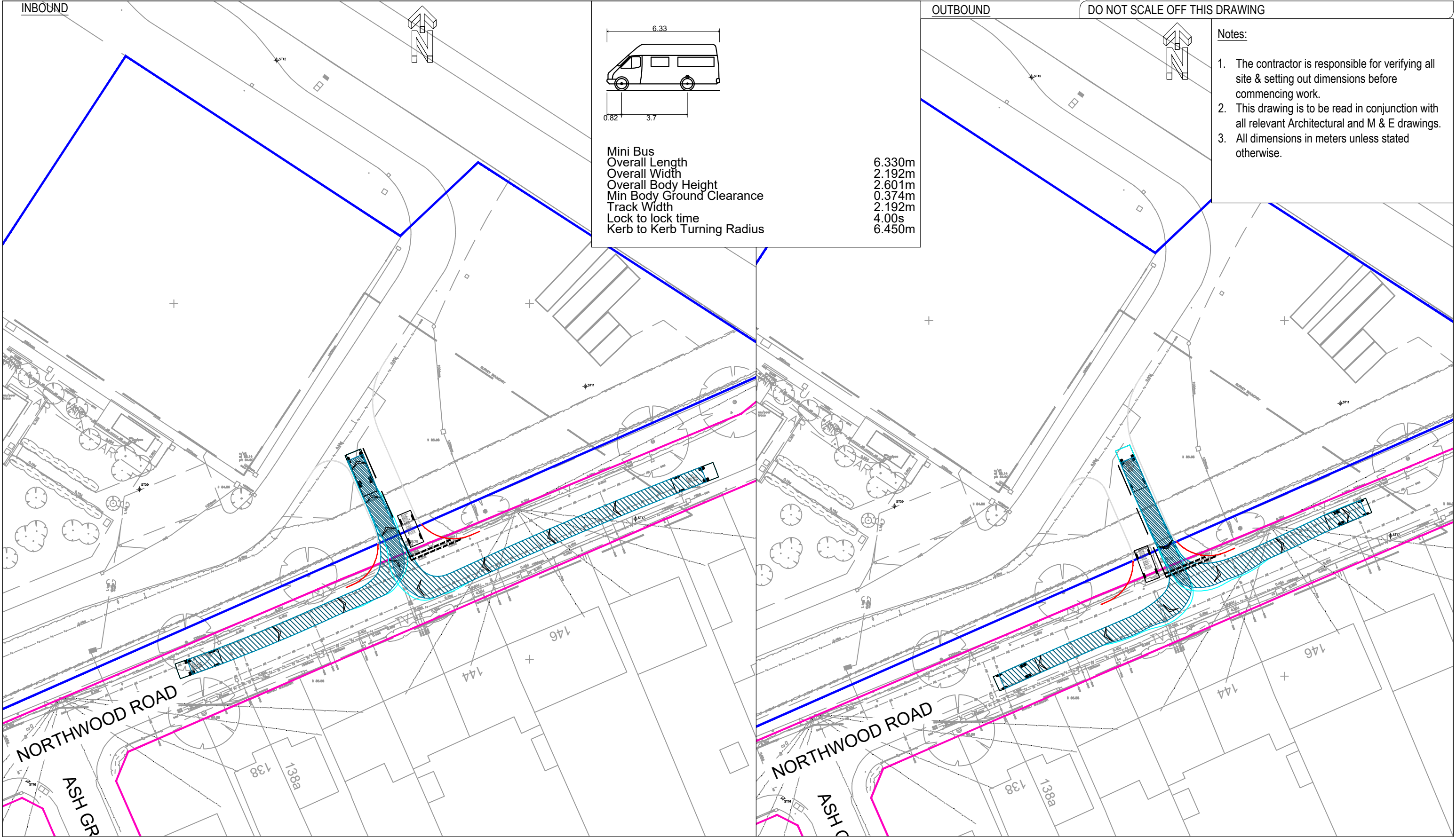
Drawing Title
SWEPT PATH ANALYSIS
16.5m ARTIC. VEHICLE
Sheet 01 of 01

RWCL Internal Register reference: 3249-007 Scales @ A3
3249-007-T-009-P01

Key :

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Revision History					
Rev	Comment	By	Chkd	Appr	Date
Current Revision					
P01	Changes requested by Highways Authority	CP	SB	AMI	27/06/2022



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- Key :
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 - Wheel track (forward manoeuvre) Shows outer limits of wheel entirely within the carriageway. Not encroaching on any kerbs.
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Revision History					
Rev	Comment	By	Chkd	Appr	Date
Current Revision					
P01	Changes requested by Highways Authority	CP	SB	AMI	27/06/2022

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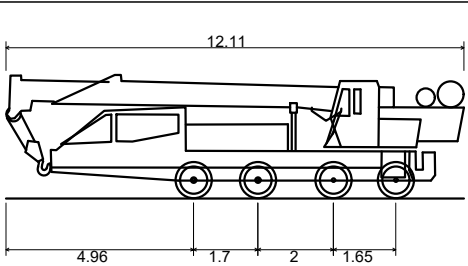
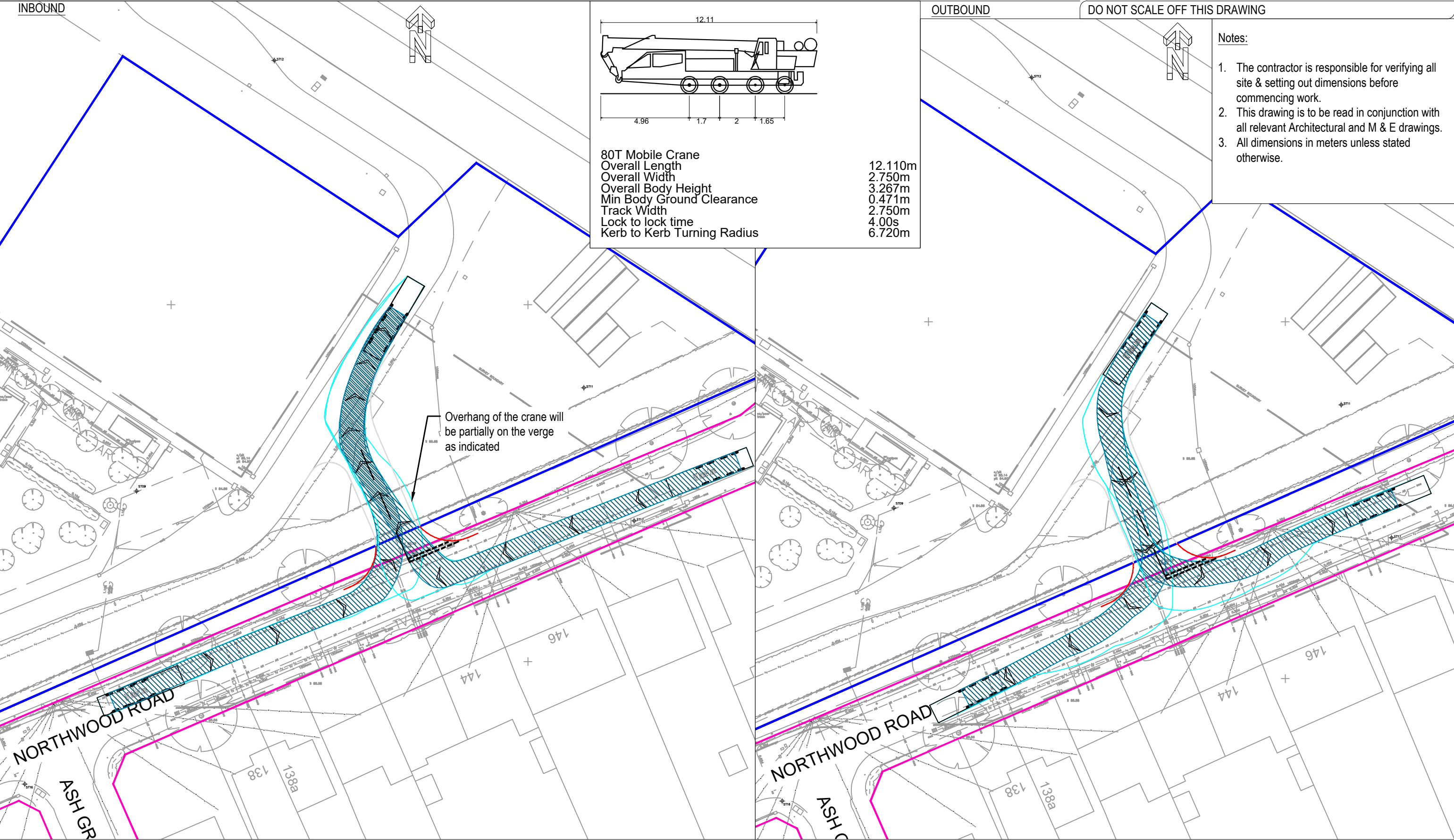
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Project
Meadow High School and Harefield Academy

Drawing Title
SWEEP PATH ANALYSIS
MINIBUS
Sheet 01 of 01

RWCL Internal Register reference: 3249-007 Scales @ A3
3249-007-T-010-P01

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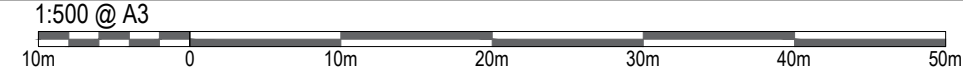
80T Mobile Crane
Overall Length 12.110m
Overall Width 2.750m
Overall Body Height 3.267m
Min Body Ground Clearance 0.471m
Track Width 2.750m
Lock to lock time 4.00s
Kerb to Kerb Turning Radius 6.720m

OUTBOUND

DO NOT SCALE OFF THIS DRAWING

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Project
Meadow High School and Harefield Academy

Drawing Title
SWEPT PATH ANALYSIS
80T MOBILE CRANE
Sheet 01 of 01

RWCL Internal Register reference: 3249-007 Scales @ A3
3249-007-T-011-P01

Key :

- Property Boundary
- Highway Boundary
- Wheel track (forward manoeuvre) Shows outer limits of wheel entirely within the carriageway. Not encroaching on any kerbs.
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Revision History					
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Appendix B – Revised Visibility Splay drawing

Harefield Academy



- Notes:
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 3. All dimensions in meters unless stated otherwise.
 4. The visibility splay is partially outside the highway boundary for measured speeds

2.4m x 60m Visibility splay based on the westbound speed of 35.7mph (85 percentile of speed survey)

Vegetation and hedge trim/removal for visibility envelope

2.4m x 60m Visibility splay based on the eastbound speed of 35.3mph (85 percentile of speed survey)

Vegetation and hedge trim/removal for visibility envelope

Proposed site access

Existing bus stop

NORTHWOOD ROAD

ASH GROVE

EXISTING SERVICES MAY BE PRESENT ON OR ADJACENT TO SITE



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Project
Meadow High School and Harefield Academy

Drawing Title
PRPOSED SITE ACCESS
VISIBILITY SPLAY
Sheet 01 of 01

RWCL Internal Register reference: 3249-007 Scales @ A3
3249-007-T-007 -P01

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- Key :
- Property Boundary
 - Highway Boundary
 - Proposed access pavement
 - Proposed kerbing
 - Visibility splays (see plan for speeds)
 - Vegetation and hedge trim/removal

Revision History					
Rev	Comment	By	Chkd	Appr	Date
Current Revision					
P01	Changes requested by Highways Authority	CP	SB	AMI	28/06/2022