

## Wombwell / WATI and Doveside sites – vehicle tracking

Public roads will be used during the construction works. Access to WATI will be by Everill Gate Lane. Access to Doveside will be via Mary Lane / Springfield Crescent. Apart from a slight increase in traffic due to construction, disruption is expected to be limited.

In order to investigate the safe access and egress of vehicle movements to the Wombwell and Doveside sites a Swept Path Analysis has been carried out, using the vehicle tracking software in AutoCAD. This demonstrates the vehicle body path taken during the turning manoeuvres.

### Wombwell / WATI site

The Wombwell / WATI site will be accessed via the track off Evergill Gate Lane, through land owned by the Garganey Trust.

The swept path analysis demonstrates that the largest vehicle envisaged, namely a 16.154m long low loader, can safely manoeuvre in and out of the junction within the confines of the road. Given that this is the largest vehicle envisaged other small vehicles have not been modelled. The drawing 2016s3855-WT20-Vehicle Tracking Wombwell, as attached, demonstrates safe and suitable access for this large construction vehicle.

### Doveside site

Access to the Doveside site will be gained from the A635 /B6096/School Street roundabout. The vehicles will travel down School Street, Vicar Lane, Springfield Close and then Springfield Crescent which in turn leads into the recreational area and Doveside site.

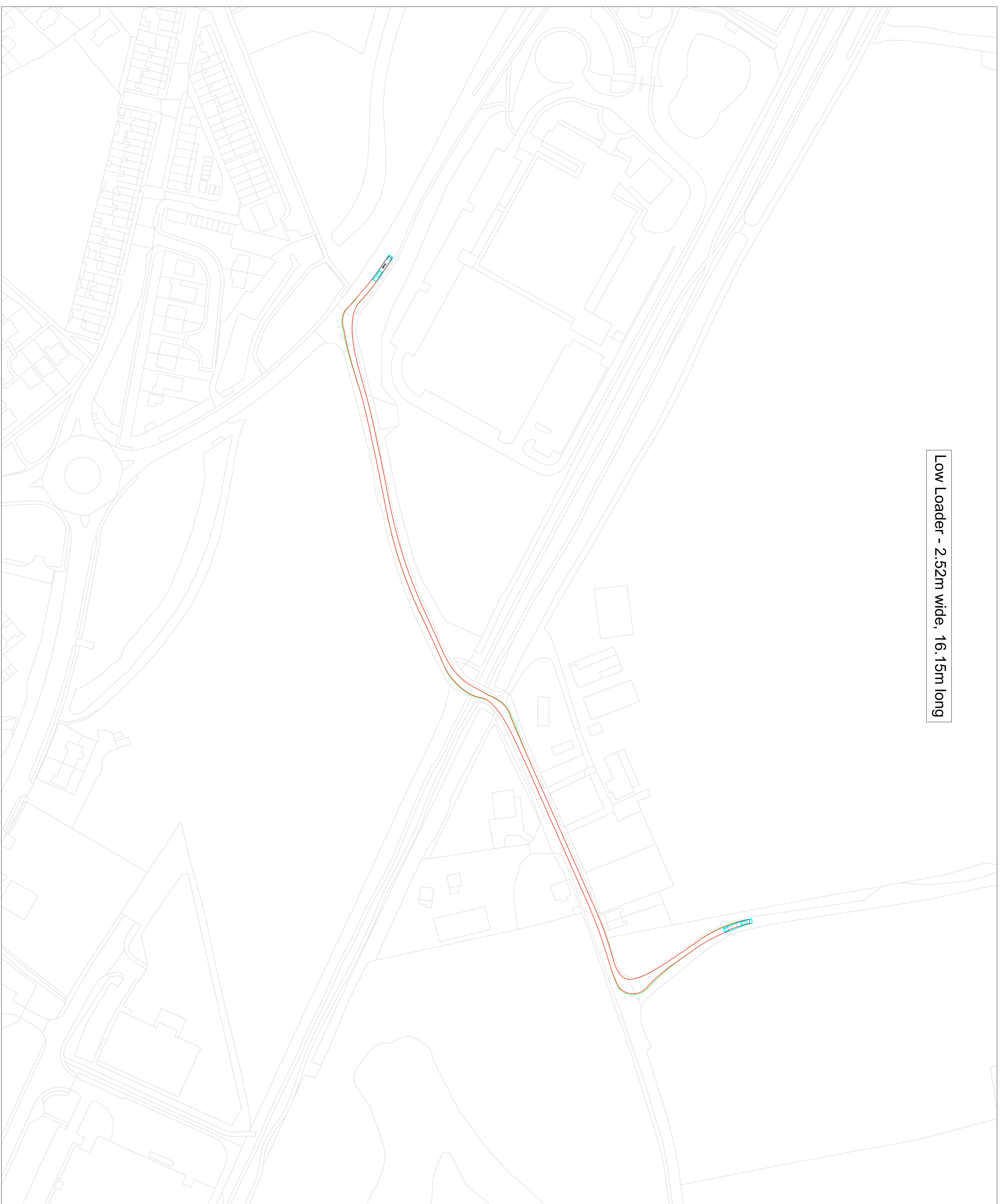
The swept path analysis demonstrates that, due to the size, the 16.154m long low loader cannot safely negotiate the estate roads noted above.

Looking at the viability of smaller vehicles the swept path analysis demonstrates that a JCB wheeled type of excavator can safely get in and out of the site without leaving the confines of the road, this is shown on drawing 2016s3855-WT21.

Other construction vehicles assessed include a concrete mixer and flat bed truck. The swept path analysis for these vehicles is shown on drawing 2016s3855-WT24 and 2016s3855-WT23 respectively. The analysis shows safe and suitable access to the site.

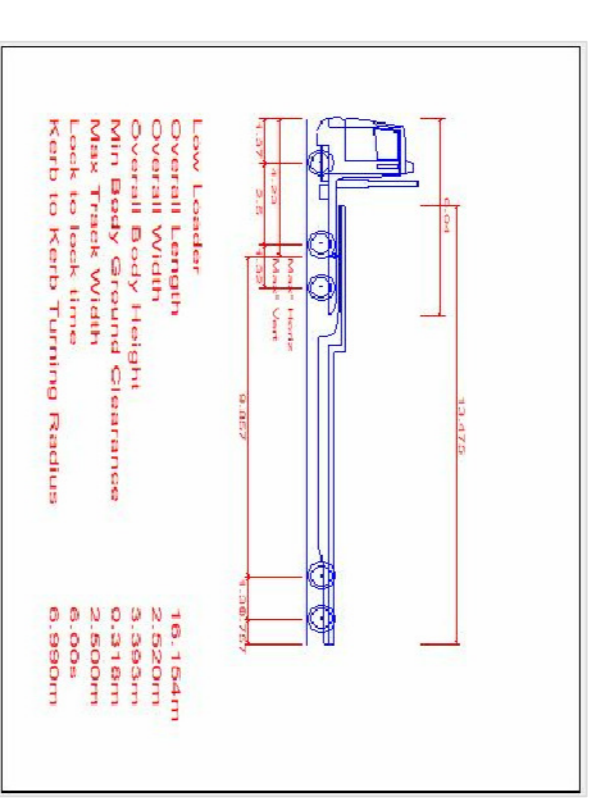
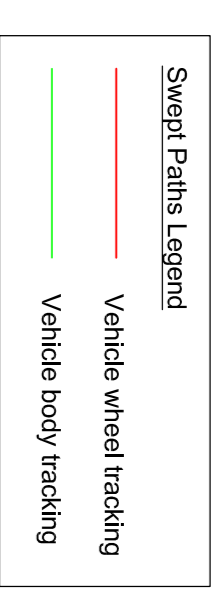
The swept path analysis has been supplemented by having a Contractor visit the site and look at the access / egress to Doveside and the Contractor concluded the best plant for undertaking the works would be a JCB wheeled type of excavator. Contractors will also comply with best practice in terms of site management and maintenance of plant and equipment.

Low Loader - 2.52m wide, 16.15m long



**General Notes**

1. All dimensions shown are in metres unless otherwise stated and levels in metres to Ordnance Datum.
2. Do not scale from this drawing. All dimensions must be checked/verified on site.
3. Any discrepancies noted on site are to be reported to the Engineer immediately.
4. The electronic model of this drawing is not to be used for setting out.



Rev	Modifications	Date	Drawn	Designed	Checked	Approved

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for

**The Garganey Trust**  
**Wombwell Wetlands Extension Scheme**  
Wings Across The Ings  
Vehicle Tracking Wombwell

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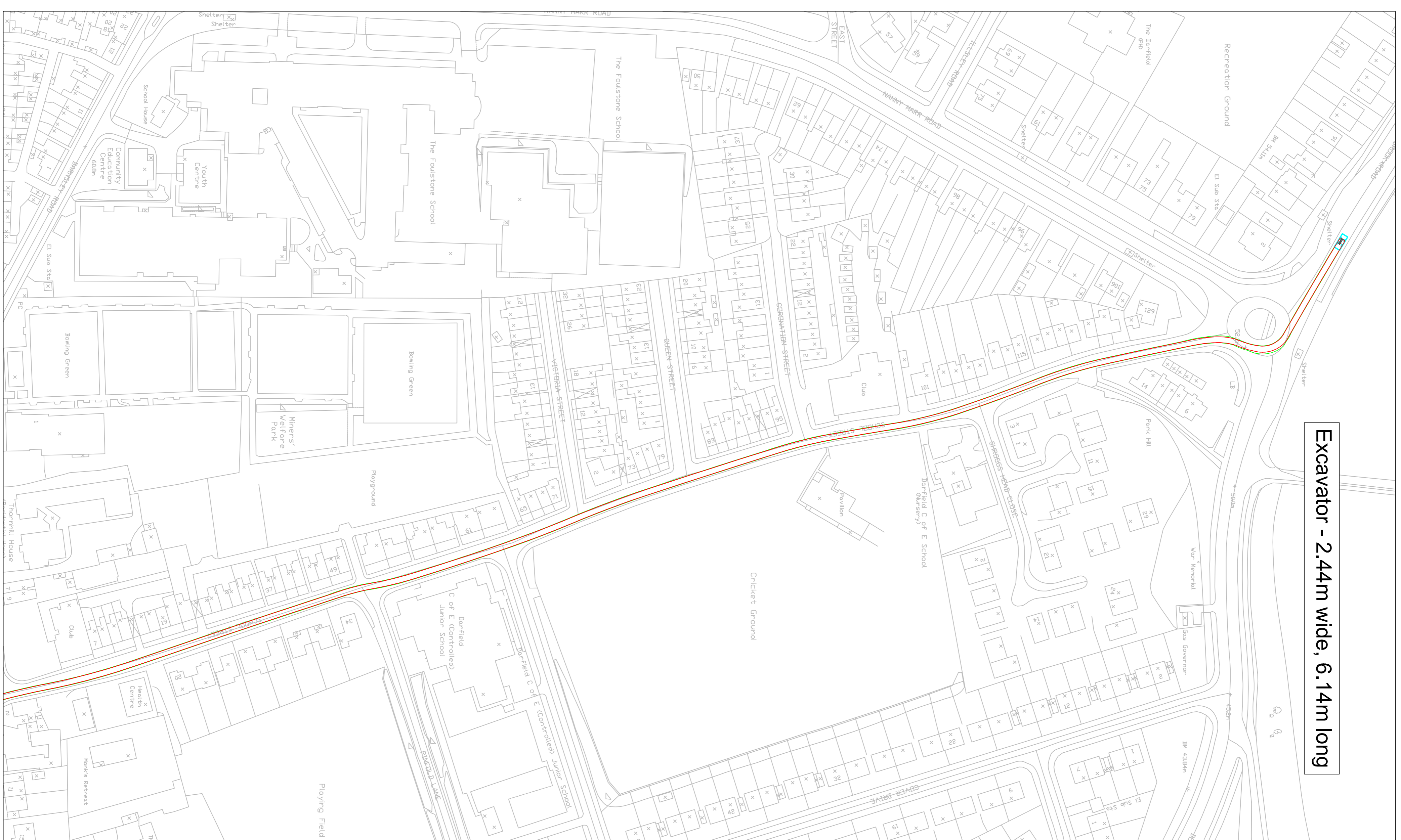
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Digital File Name: 2016s3858-WT20-Vehicle Tracking Wombwell

Drawing Number: 2016s3858-WT20

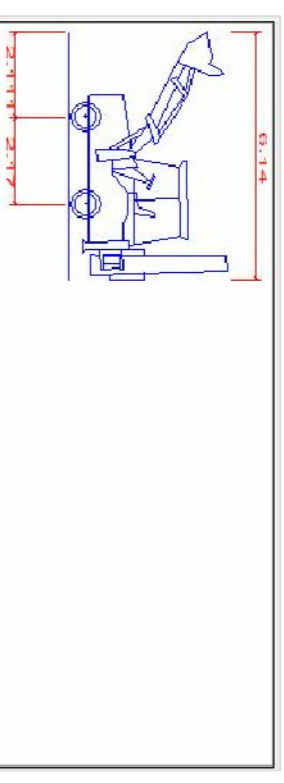
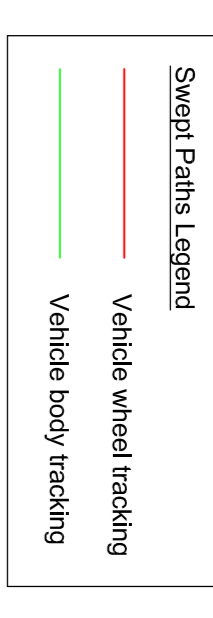
Drawn: Peter Wilkinson 24/11/2017  
Designed: Gregory Parkinson 24/11/2017  
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Excavator - 2.44m wide, 6.14m long



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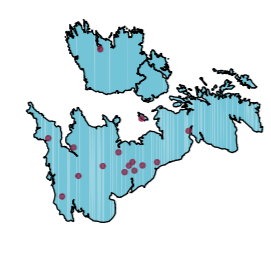
<b>Excavator</b>	<b>6.140m</b>
Overall Length	2.440m
Overall Width	2.689m
Overall Body Height	2.200m
Track Width	4.220m
Leads to kerb turning Radius	

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 Vehicle Tracking Doveside

Scale: **1:1000 @ A1**

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Drawing Number: 2016s3858-WT21

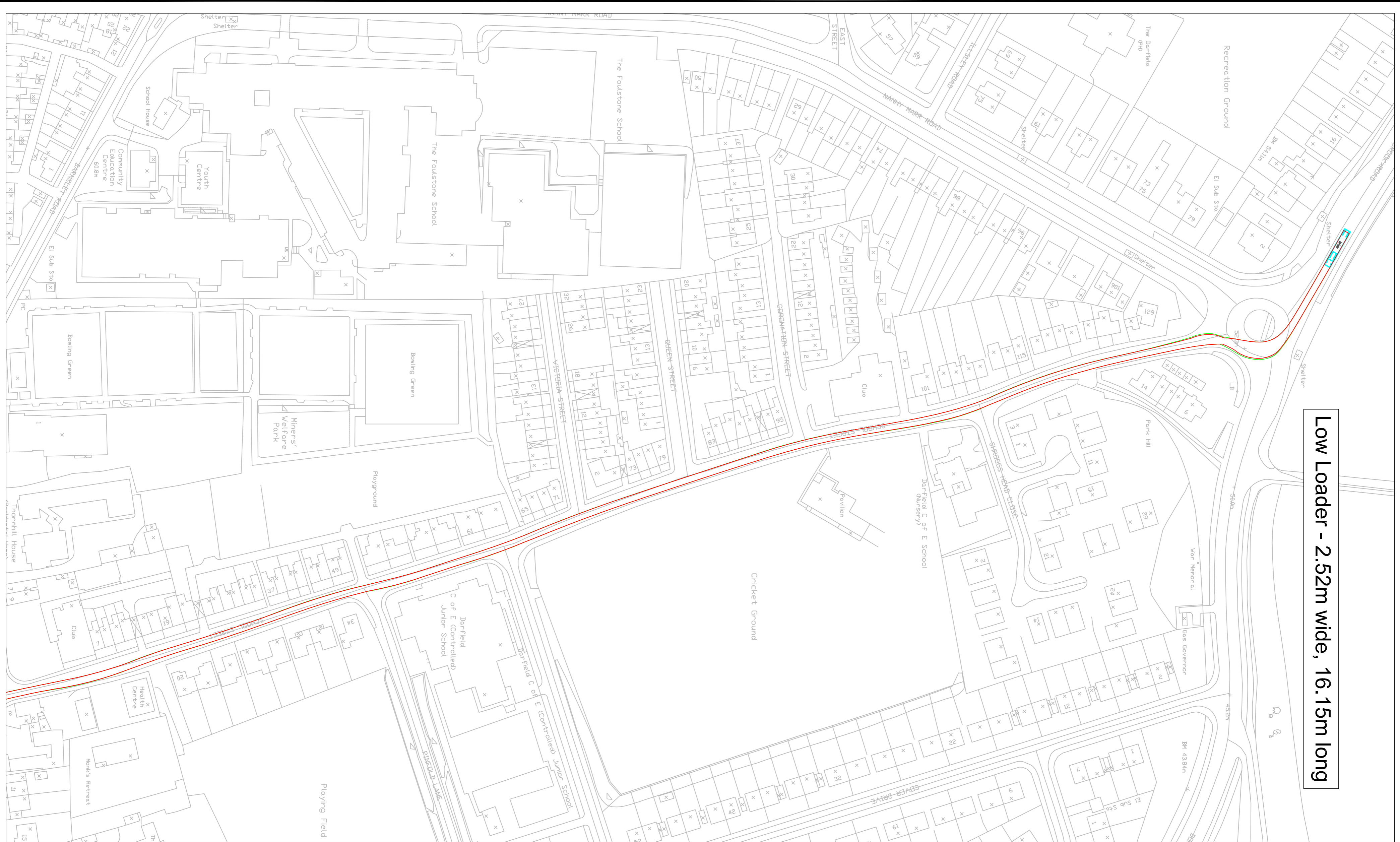
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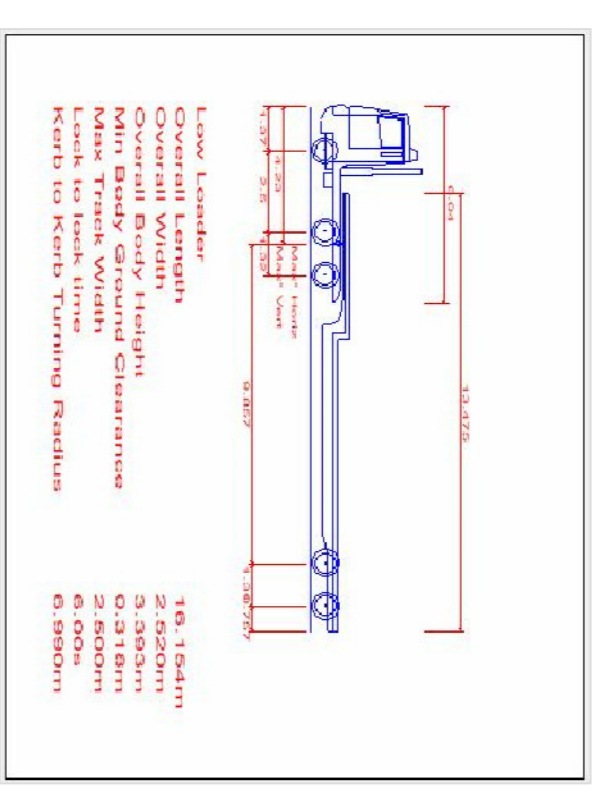
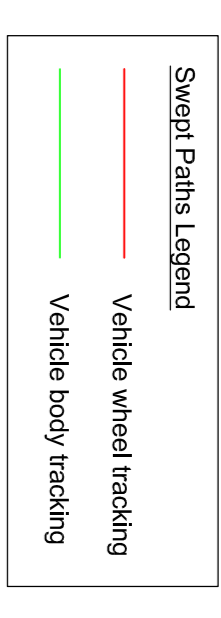
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Low Loader - 2.52m wide, 16.15m long



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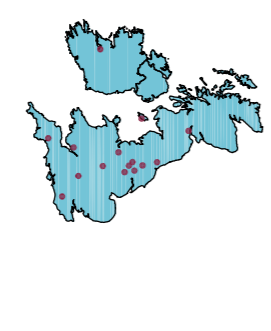


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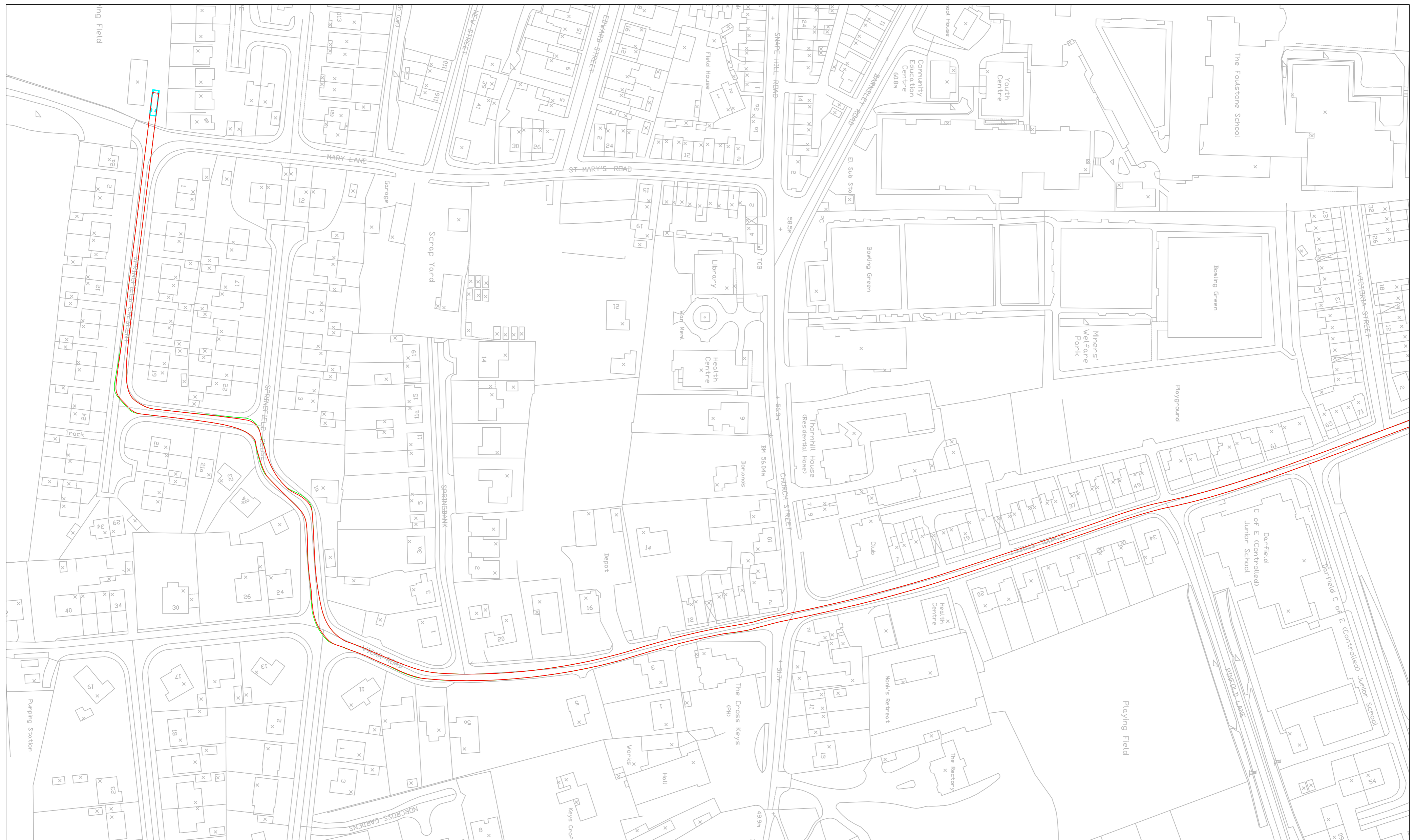
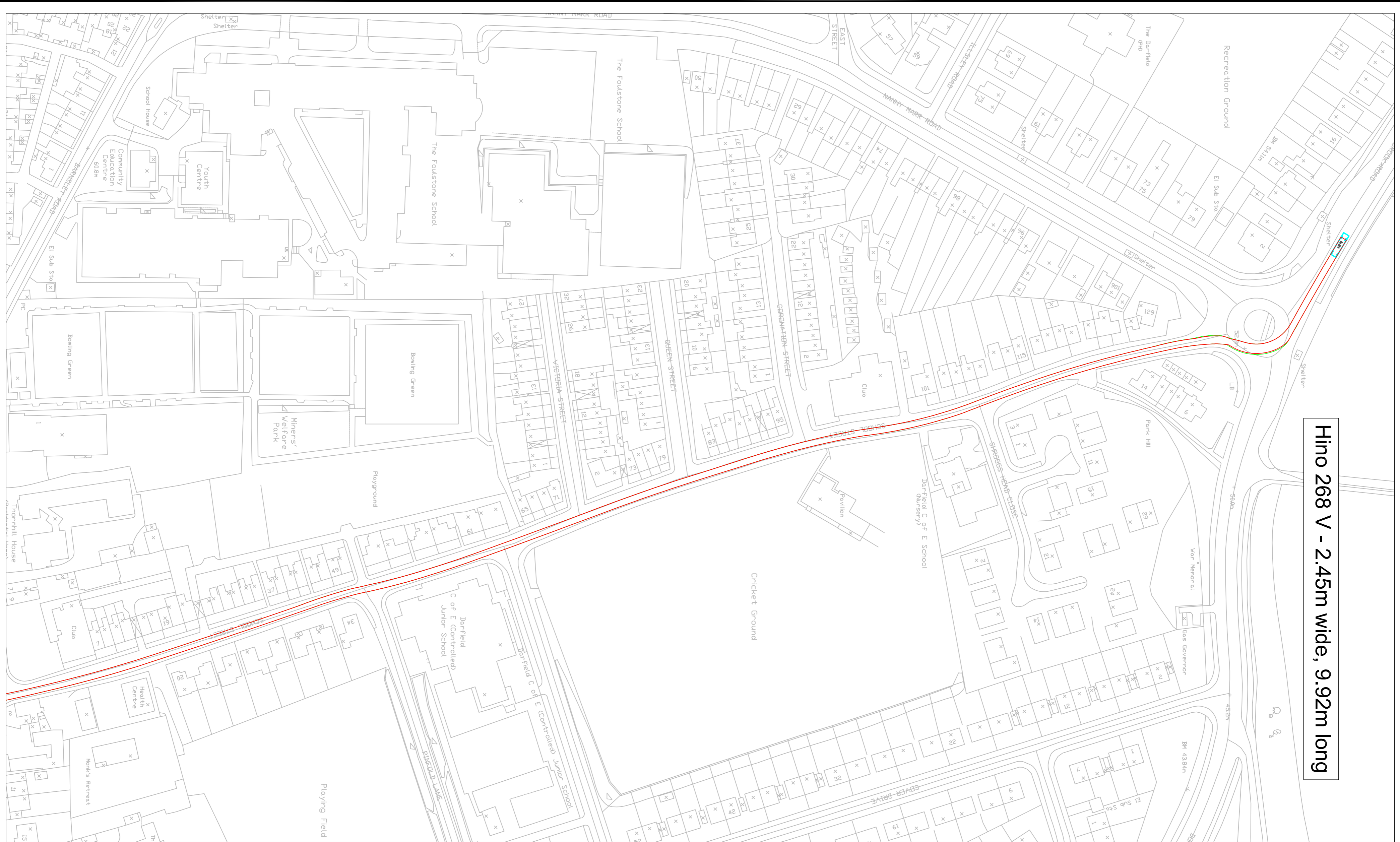
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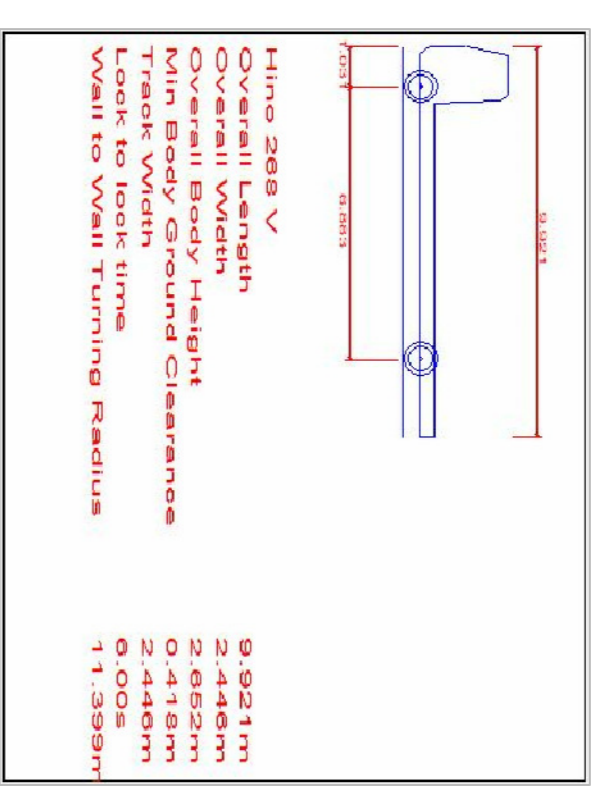
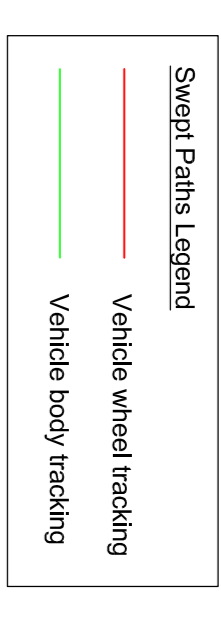
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Hino 268 V - 2.45m wide, 9.92m long



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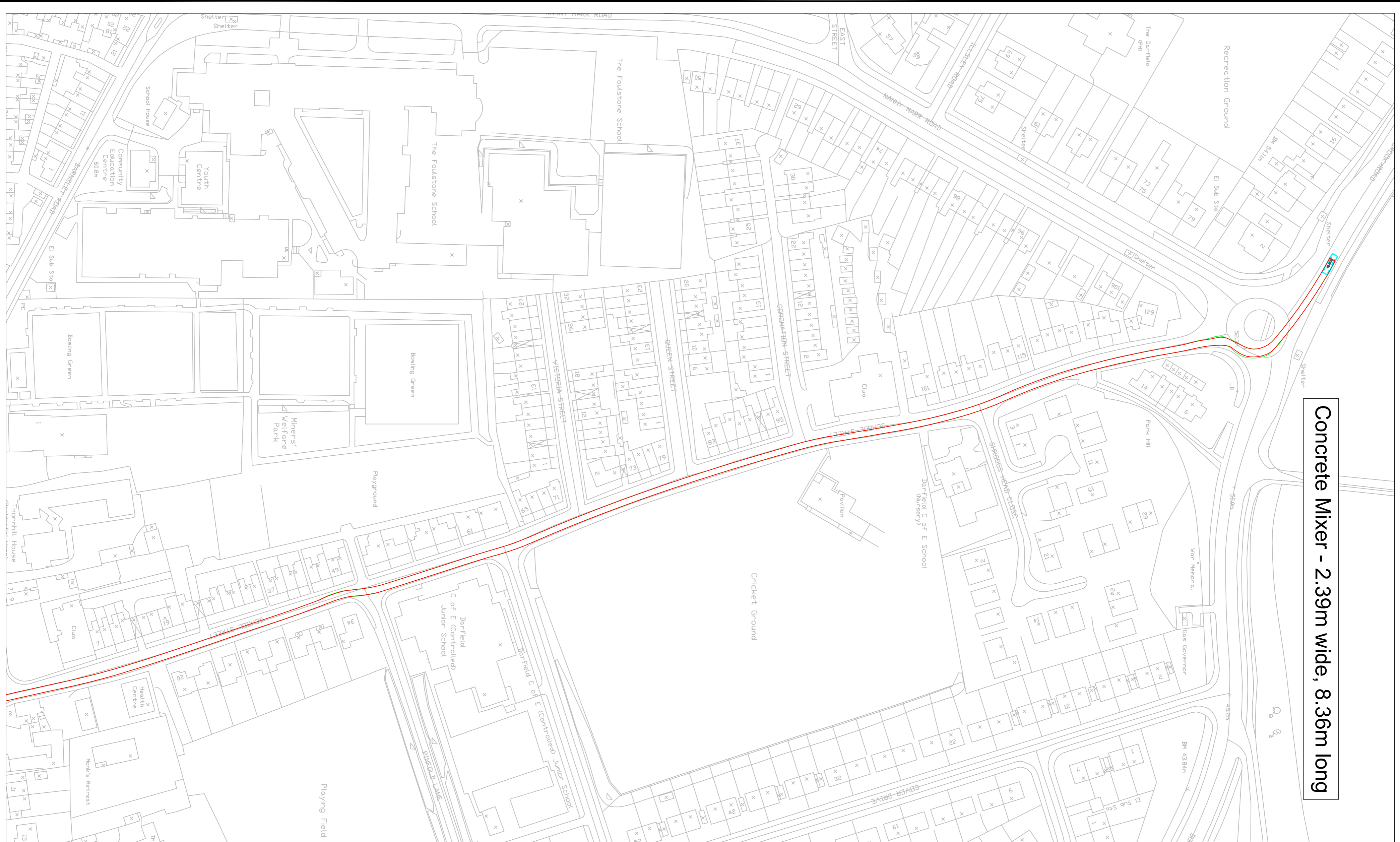
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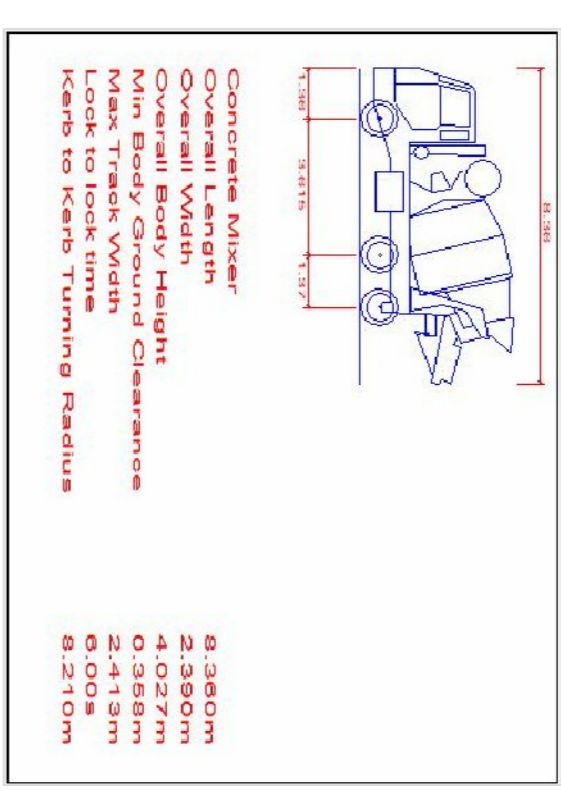
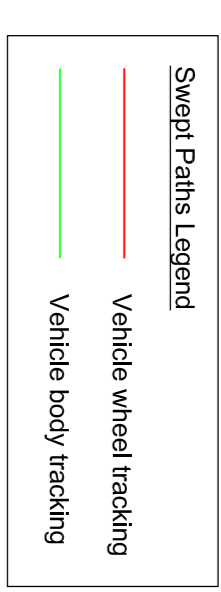
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Concrete Mixer - 2.39m wide, 8.36m long



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