

Proposed Solar Farm
Land North of Ferry Moor Lane and East of
Milefield Lane

Transport Note

For

Enviromena

Document Control Sheet

Proposed Solar Farm

Land North of Ferry Moor Lane and East of Milefield Lane

Enviromena

This document has been issued and amended as follows:

Date	Issue	Prepared by	Approved by
23rd October 2023	1 st Draft	AN	JNR
27 th November 2023	2 nd Draft	AN	JNR
21 st November 2024	Final Draft	AN	JNR



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1.0 Introduction

- 1.1 Motion has prepared this Transport Note on behalf of Enviromena, in relation to the construction of a temporary Solar Farm, to include the installation of ground-mounted solar panels together with associated works, equipment and necessary infrastructure on land north of Ferry Moor Lane and East of Milefield Lane, Grimethorpe, Barnsley S72 7BN ("the Site"). The Site is located within the administrative boundary of Barnsley Metropolitan Borough Council (BMBC) who are both the Planning Authority and the Highway Authority. The Site's location is shown below in Figure 1.1.

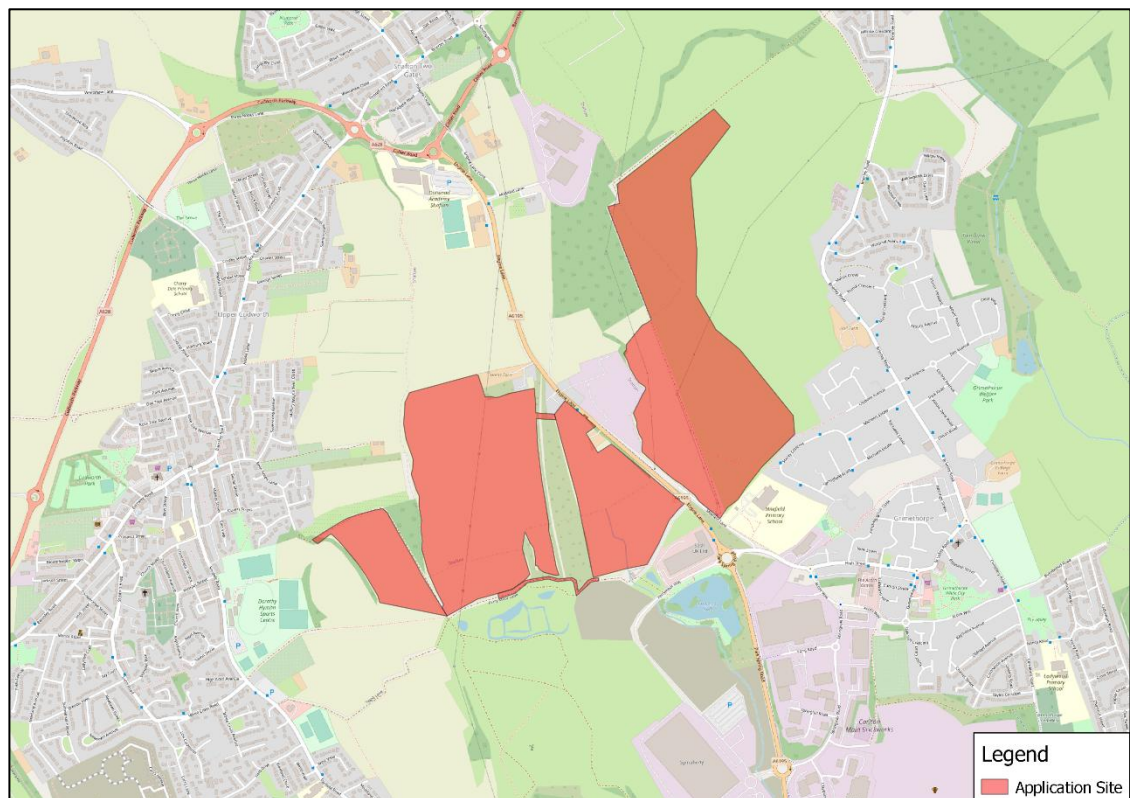


Figure 1.1 –Site Location plan

- 1.2 The Site currently comprises a field of circa 90.49 hectares. This planning application seeks permission for the construction of a solar farm facility on land north of Ferry Moor Lane and east of Milefield Lane ("the Proposed Development"). The Site is divided into four development plots, these can be seen below in Figure 1.2:



Figure 1.2 –Site overview

Transport Planning Policy and Guidance

National Planning Policy Framework

- 1.3 The requirement to prepare a Transport Statement (TS) is set out in the National Planning Policy Framework, 2024, published by the Department for Communities and Local Government (NPPF). Paragraph 118 of NPPF states:

"All developments that will generate significant amounts of movement should be required to provide a travel plan, and the application should be supported by a vision-led transport statement or transport assessment so that the likely impacts of the proposal can be assessed and monitored."

- 1.4 This Development will not generate a significant number of vehicle movements and therefore a Travel Plan and Transport Statement/Assessment are not required. However, this Transport Statement has been prepared to assess the transport implications associated with the development.

- 1.5 The criteria against which development should be assessed is set out in NPPF paragraph 115 that states:

"In assessing sites that may be allocated for development in plans, or specific applications for development, it should be ensured that:

a) sustainable transport modes are prioritised taking account of the vision for the site, the type of development and its location;

b) safe and suitable access to the site can be achieved for all users;

c) the design of streets, parking areas, other transport elements and the content of associated standards reflects current national guidance, including the National Design Guide and the National Model Design Code48; and

d) any significant impacts from the development on the transport network (in terms of capacity and congestion), or on highway safety, can be cost effectively mitigated to an acceptable degree through a vision-led approach."

1.6 Paragraph 116 sets out the highway grounds on which development could be prevented or refused:

"Development should only be prevented or refused on highways grounds if there would be an unacceptable impact on highway safety, or the residual cumulative impacts on the road network, following mitigation, would be severe, taking into account all reasonable future scenarios."

1.7 Detailed guidance on the scope and content required for Transport Statements is provided in the government's planning practice guidance. This Transport Statement is prepared in accordance with this guidance.

Scope of Report

1.8 This Transport Note has been prepared in accordance with current best practice guidelines and demonstrates that:

- ▶ The proposals accord with national and local policies relevant to transport;
- ▶ Safe and suitable access to the Site can be achieved; and,
- ▶ The level of traffic associated with the proposals will not lead to severe impact to the existing operation and free flow of traffic on the adjoining highway network.

1.9 Following this introduction, this Transport Note is split into 5 sections as follows:

- ▶ Section 2 assesses existing conditions;
- ▶ Section 3 provides an overview of the proposed development and details the proposed access, construction access route and trip generation;
- ▶ Section 4 assesses the traffic impact of the proposed development; and
- ▶ Section 5 summarises the key findings and conclusions of this report.

2.0 Existing Conditions

Highway Network

2.1 Figure 2.1 below shows the local highway network surrounding the Site.

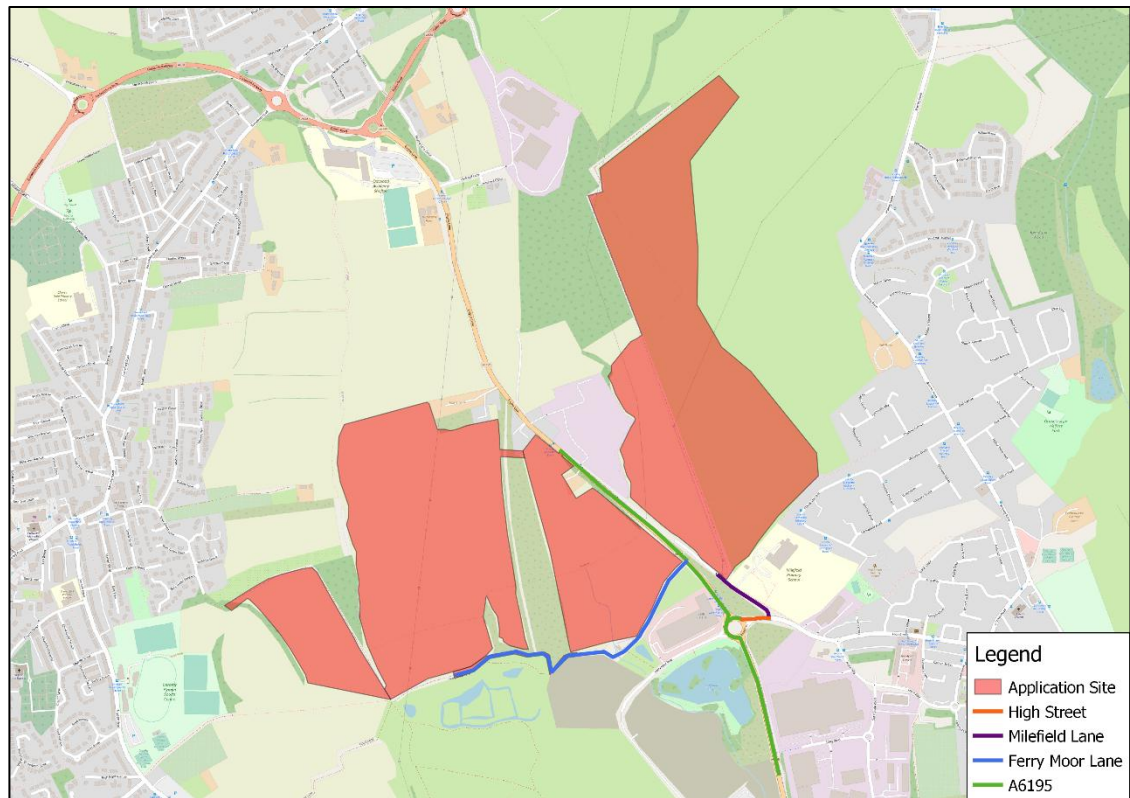


Figure 2.1 – Local Highway Network

- 2.2 The Site is split across four development plots, three west of the A6195 and one to the east. Development plot 2 can be accessed directly off the A6195 via a new vehicular access whilst development plots 3 and 4 can be reached by following the A6195 north until Ferry Moor Lane is reached. Construction vehicles will turn left onto Ferry Moor Lane and travel west until the access into development plot 3 is reached. For the first 300 metres of Ferry Moor Lane it is a single carriageway road providing a single lane of travel in both directions with street lighting and a footway on the northern side. After this point Ferry Moor Lane becomes a track which only allows traffic to flow in one direction at a time. This track has no street lighting or pedestrian facilities and is exclusively used to access the agricultural fields along its course.
- 2.3 Development plot 1 to the east of the A6195 can be reached by following the A6195 north until the roundabout with High Street is reached, construction vehicles will then take High Street travelling east for a short time where they will turn left onto Milefield Lane. Construction vehicles will travel north along Milefield Lane until the Site is reached. Milefield Lane is a single carriageway road providing a single lane of travel in both directions with street lighting and a footway on the western side.
- 2.4 It has been confirmed through contact with BMCs Highways Asset Management Team that the barrier across Milefield Lane is to deter fly tipping and will not obstruct access to the Site.

Road Safety

Recorded Personal Injury Collision Data

- 2.5 Personal Injury Collision (PIC) data was obtained from CrashMap for the adjoining highway network for the most recent three year period available, 1st January 2020 to 31st December 2022. No PIC's were identified on Ferry Moor Lane or Milefield Lane (The accesses to development plots 1,3 and 4). One PIC was identified in the vicinity of the proposed access off the A6195, this was a serious collision that occurred on the 26/04/2021. The CrashMap Report can be viewed at **Appendix A**. The location of the collision can be seen below in Figure 2.2:

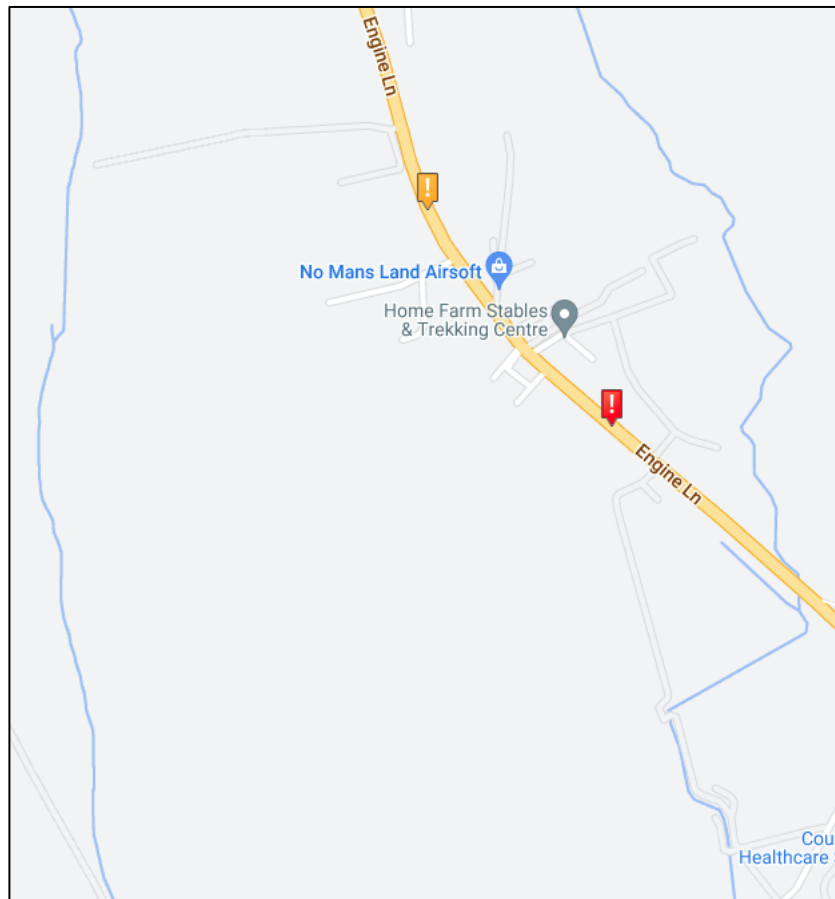


Figure 2.2 – Location of Collision

- 2.6 The recent collision history does not suggest a highway safety deficiency and it is therefore concluded that there is no evidence of an existing road safety concern in the vicinity of the site.

Non-Motorised Users

- 2.7 The Public Rights of Way (PRoW) within each plot are detailed below:
- ▶ Plot 1 – Footpath 59, running from Milefield Lane north east to Brierly Road;
 - ▶ Plot 2 - Footpath 25, running north east from Ferry Moor Lane to the A6195 and Footpath 26, running from Ferry Moor Lane north to the A6195;
 - ▶ Plot 3 – No PRoW within the plot. Footpath 32 runs along Ferry Moor Lane to the south of the plot and;

- ▶ Plot 4 – No PRoW within the plot. Footpath number 7 runs along the eastern side of the plot and Footpath number 8 runs along the western side of the plot.

2.8 The location of the public right of way in relation to the Site can be viewed below in Figure 2.3:

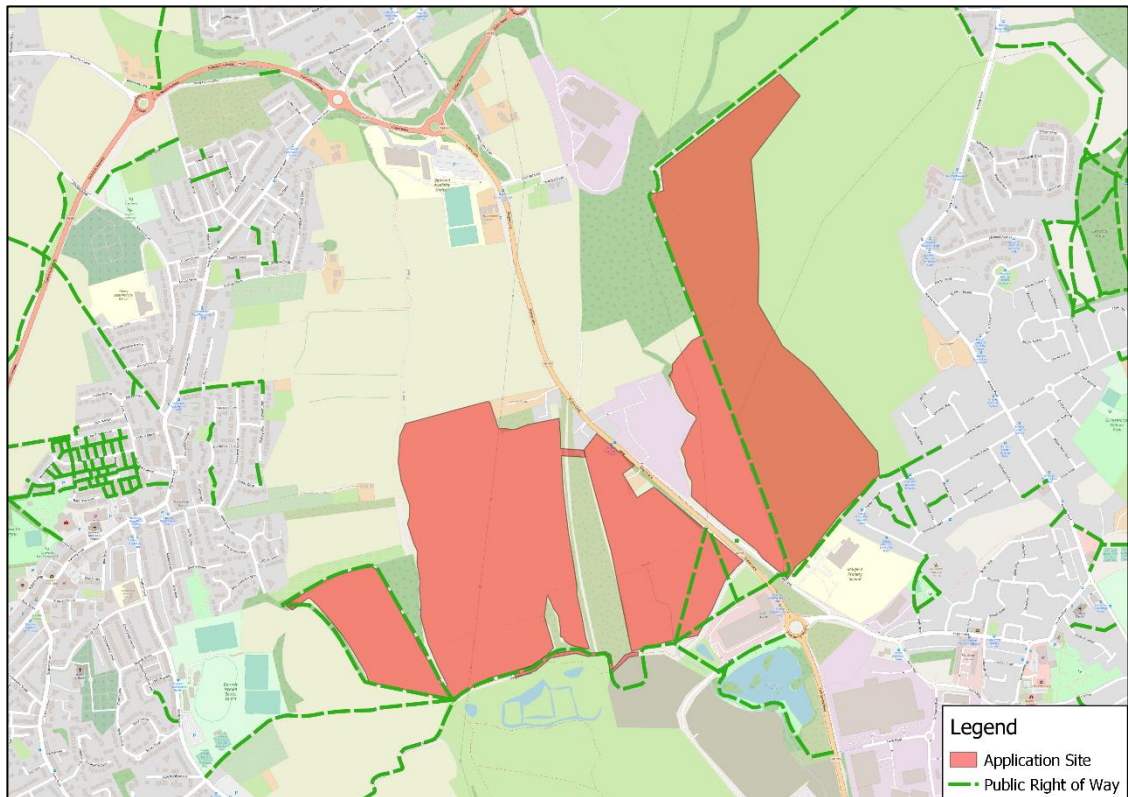


Figure 2.3 – Public Right of Way Map

2.9 The PROW will remain operational through the construction period and will have signs at either end to advise users of the construction works. During both the construction and operational phase, the PROW will be fenced off to ensure users safety. A qualified Banksman will walk alongside construction vehicles through the Site, when a PROW crossing is reached, the qualified banksman will check there are no PROW users then open the gate to allow the construction vehicle to continue.

3.0 Proposed Development

Proposed Development

Development Description

- 3.1 The Site currently comprises a plot of land circa 90.49 hectares in area. This planning application seeks permission for the construction of a temporary Solar Farm, to include the installation of ground-mounted solar panels together with associated works, equipment and necessary infrastructure on land north of Ferry Moor Lane and east of Milefield Lane (the Proposed Development). The Site Layout Plans are included at **Appendix B**.
- 3.2 The solar panels, frames and other site construction materials would be transported to the internal access road on articulated lorries up to 16.5m in length.

Site Access

- 3.3 There are four development plots, two off Ferry Moor Lane, one off the A6195 and one off Milefield Lane. The access off Milefield Lane (Plot 1) is an existing field access which will be widened to accommodate the movement of 16.5m articulated vehicles. A swept path analysis has been performed to demonstrate that a 16.5m articulated vehicle can enter and egress from the Site in a forwards gear, this swept path analysis can be viewed at **Appendix C**.
- 3.4 Access to development plot 2 will be gained via a new vehicular access off the A6195. This access will be designed to accommodate the entry and egress of construction vehicles up to a size of 16.5m. A swept path analysis of this manoeuvre can be seen at **Appendix D**. This proposed access will require the removal of hedgerow entirely within the control of the applicant / highway authority.
- 3.5 Access to development plots 3 and 4 will be gained via the existing field access off Ferry Moor Lane. Construction vehicles will utilise this field access within development plot 3 and then drive within the Site to reach development plot 4. It is proposed to use a tractor towing a trailer to transport construction materials for a temporary construction compound to plots 3 and 4. A swept path Analysis has been performed of a tractor towing a trailer accessing development plot 3 off Ferry Moor Lane. This swept path analyses can be viewed at **Appendix E**.
- 3.6 The first 15m of the internal accesses to the development will be hardstanding which would be driven on prior to accessing the public highway which would reduce the risk of mud being trafficked onto the public highway and the ensuing nuisance this can cause.

Access Route

- 3.7 It is proposed that all HGV construction traffic will route to the Site via the route illustrated on Figure 3.1 below.

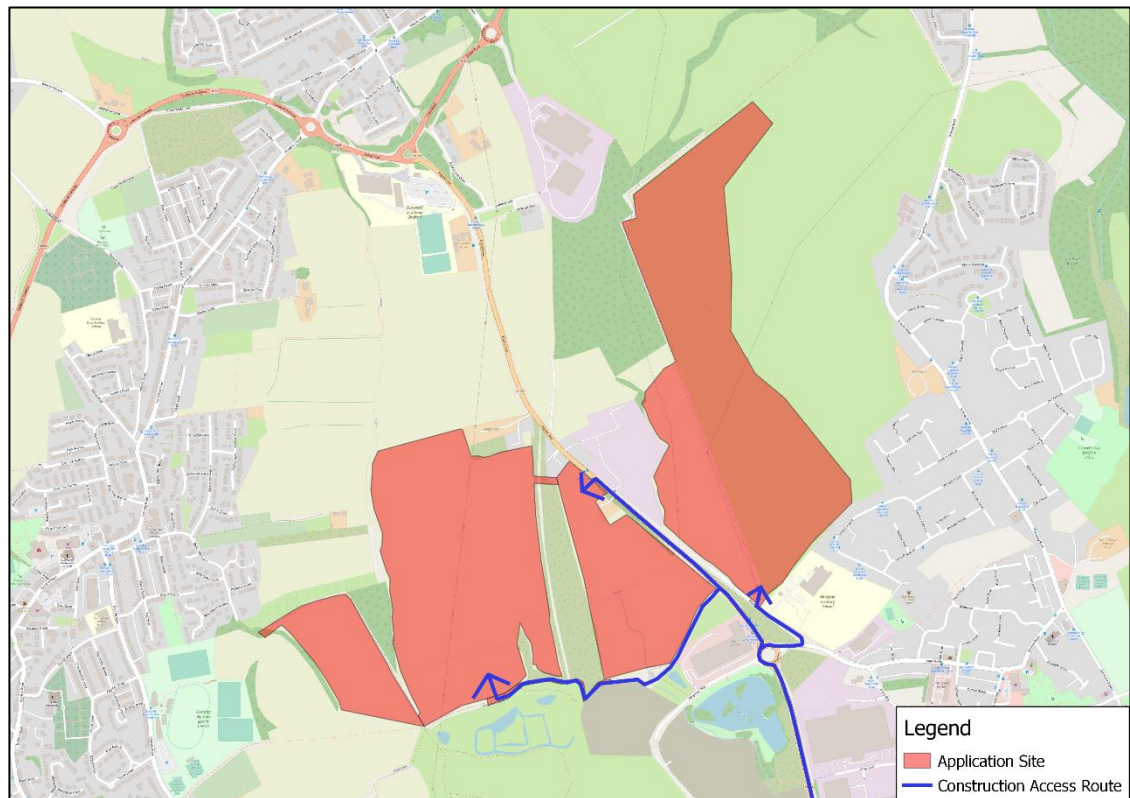


Figure 3.1 – Site Location and Construction Access Route

3.8 The Construction Traffic will reach the site as shown in Figure 3.1 above and detailed as follows:

- ▶ Construction traffic will reach development plot 1 of the Site by taking Park Spring Road (A6195) north until the roundabout with High Street. Construction vehicles will then travel east along High Street until the junction with Milefield Lane and then follow Milefield Lane north until the Site is reached.
- ▶ Construction traffic will reach development plot 2 of the Site by taking Park Spring Road (A6195) north until the proposed access off the A6195 is reached.
- ▶ Construction traffic will reach development plots 3 and 4 of the Site by taking Park Spring Road (A6195) north until the junction with Ferry Moor Lane is reached. Construction vehicles will then travel west along Ferry Moor Lane until the Site is reached.

Vehicle movements

Construction Traffic

3.9 The Proposed Development comprises three phases: construction, operation and decommissioning. Decommissioning effects would be similar to construction and so are not considered separately. Forecast HGV two-way traffic movements associated with the construction phase is presented for the Site in **Table 3.1**.

Activity	Vehicle Size	Two-way Vehicle Movements
Site Set Up and Ongoing Management (including fencing, water/waste deliveries, site huts etc)	Various sizes with around 70% being 8-10m rigids and the remaining 30% being 16.5m articulated vehicle	284
Solar Panels	16.5m articulated vehicle	454
Mounting Frames	16.5m articulated vehicle	300
Transformers / substation	16.5m articulated vehicle	34
Total		1,072

Table 3.1: Forecast Development Two-way Traffic Movements

- 3.10 It is estimated that the construction period will be for a period of 60 weeks, deliveries occurring 5.5 days a week. It is estimated that across the 60-week construction period there will be 1,072 two-way HGV deliveries to Site, this equates to 3 two-way HGV movements per day.
- 3.11 It is anticipated that for initial site set up for the first 3 weeks of construction that two-way HGV deliveries will be higher than the average of 3 two-way HGV deliveries, with 16 two-way HGV movements forecasted for site setup.
- 3.12 In addition to the 3 two-way HGV movements there are forecasted to be 30 two-way light vehicle movements per day associated with staff movements etc.

Abnormal loads

- 3.13 It is anticipated that there will be no abnormal load movements.
- 3.14 Were an abnormal load to be required at the Site, all abnormal load deliveries will be subject to discussions with the Abnormal Loads Officers BMBC and National Highways at the earliest practical opportunity to enable an appropriate delivery plan to be put in place.
- 3.15 This process will be managed and undertaken by a specialist haulage contractor with appropriate escort vehicles being provided as required.

4.0 Traffic impact and mitigation

Highway Safety

Traffic Volumes

- 4.1 The temporary increase in traffic volumes and especially the heavy vehicle component of the traffic volume could lead to adverse highway safety impacts however the proposal is for a 60 week construction period and as such is not likely to have a road safety impact.
- 4.2 A DfT traffic counter is located along the A6195 to the south of the site. Whilst not immediately adjacent to the Site, it is considered that minimal changes to traffic flows would occur between the counter and the site access. The latest manual survey was undertaken in 2021 and indicates an average daily flow of 9,675 vehicles, of which 590 were HGVs. In view of this, the predicted trip generation is likely to result in minimal changes in traffic flows along the A6195, particularly HGV movements.

Visibility

- 4.3 The Site is split across four development plots, with three access points. The first access is off Milefield Lane (Development Plot 1), which is off High Street. There is no development beyond the site access on Milefield Lane however, Milefield Primary School is located to the southeast of the development plot. As such visibility splays have been plotted for both the site access onto Milefield Lane and Milefield Lane onto High Street. Both Milefield Lane and High Street have a speed limit of 30 miles per hour and as such require a visibility splay of 2.4 metres by 43 metres. Both visibility splays can be achieved. The visibility splays can be viewed at [Appendix F](#).
- 4.4 The second access to development plot 2 is via a proposed new access off the A6195. The A6195 has a speed limit of 50 miles per hour equating to a required visibility of 160 metres in each direction. Speed surveys have been conducted between the 23rd July 2023 to 29th July 2023 along the A6195 in the form of an Automatic Traffic Counter (ATC) survey.
- 4.5 A 7 day 85th percentile speed of 49.1 miles per hour northbound and a 7 day 85th percentile speed of 50.4 miles per hour southbound. During the course of the ATC, no wet weather was experienced, therefore no wet weather adjustment has been applied, in line with DMRB guidance. This equates to 144m northbound and 149m southbound of visibility. The ATC results are shown at [Appendix G](#) and the visibility splay distance calculation is shown at [Appendix H](#). The Site can achieve visibility in both directions. A drawing demonstrating the visibility splays from the Site access is included at [Appendix I](#).
- 4.6 The final access to development plots 3 and 4 is off Ferry Moor Lane which in turn is off Engine Lane. Ferry Moor Lane also has limited development along its course with only a traveller site located along its course. Ferry Moor Lane is an existing access off Engine Lane. Engine Lane has a speed limit of 50 miles per hour requiring a visibility splay of 2.4 metres by 160 metres. This level of visibility can be achieved and can be viewed at [Appendix J](#). It is noted that verge maintenance is needed to achieve the 160m visibility to the south, however, as can be seen from the extract below (Land Registry), the vegetation is within the highway boundary and is thus overgrown. It is again reiterated that this is an existing access for a temporary use that is not being altered. The other two land parcels accessed along Ferry Moor Lane will be accessed and egressed with the assistance of a Banksman and there is extremely limited traffic along Ferry Moor Lane. As such no visibility splays have been plotted for these two accesses.

Construction Traffic Management Plan

- 4.7 Notwithstanding the de minimis change in highway capacity which is expected to arise from the construction phase of the proposed development, it is proposed to provide a Construction Traffic Management Plan (CTMP) to reduce or avoid this potential disturbance arising from heavy goods vehicles during the construction period. This CTMP can be conditioned.

Residual impacts

- 4.8 On completion of the 60 week construction period, construction traffic would cease. There would therefore be no residual traffic related impacts arising from the temporary construction phase of the Proposed Development.

- 4.9 During the operational phase, traffic movements are expected to amount to two vehicle movements per month. Traffic volumes of this magnitude would be imperceptible on a daily basis. No residual traffic related impacts arising from the permanent operational phase of the Proposed Development.

5.0 Summary and Conclusion

- 5.1 Motion has prepared this Transport Note on behalf of Enviromena, in relation to the construction of a temporary Solar Farm, to include the installation of ground-mounted solar panels together with associated works, equipment and necessary infrastructure on land north of Ferry Moor Lane and East of Milefield Lane, Grimethorpe, Barnsley S72 7BN ("the Site"). The Site is located within the administrative boundary of Barnsley Metropolitan Borough Council (BMBC) who are both the Planning Authority and the Highway Authority.
- 5.2 The Site currently comprises a field of circa 90.49 hectares. This planning application seeks permission for the construction of a solar farm facility on land north of Ferry Moor Lane and east of Milefield Lane (the Proposed Development).
- 5.3 Construction traffic will reach development plot 1 of the Site by taking Park Spring Road (A6195) north until the roundabout with High Street. Construction vehicles will then travel east along High Street until the junction with Milefield Lane and then follow Milefield Lane north until the Site is reached. Construction traffic will reach development plot 2 of the Site by taking Park Spring Road (A6195) north until the proposed access off the A6195 is reached. Construction traffic will reach development plots 3 and 4 of the Site by taking Park Spring Road (A6195) north until the junction with Ferry Moor Lane is reached. Construction vehicles will then travel west along Ferry Moor Lane until the Site is reached.
- 5.4 During the operational phase of the development, there would be a minimal increase in traffic volumes with operational traffic (one van) expected to access the Site on two occasions per month at the most.
- 5.5 The construction phase of the Proposed Development would lead to a temporary increase in traffic on the road network surrounding the Site. This would be for a temporary 60 week period. On average during this 60 week period, it is expected that the Proposed Development would lead to an increase in traffic movements of 3 two-way vehicle movements per day. Changes of this magnitude would have a de minimis impact on highway capacity.
- 5.6 Due to the proximity of the Site to the A6195 it is likely that commercial vehicle movements in the vicinity of the Site are sufficiently high that an increase of 3 two-way daily vehicle movements is unlikely to cause a disturbance to other users.
- 5.7 There are no residual traffic impacts identified.
- 5.8 In conclusion, the Proposed Development provides an opportunity to provide new, non-carbon energy generating facilities at a location which can be safely accessed by construction and operational vehicles and at which the temporary traffic impacts during construction would be de minimus. Traffic management measures can be put in place to reduce or avoid potential residual impacts arising from road traffic during the temporary 60 week construction period. In short:
- ▶ The proposals accord with national and local policies relevant to transport;
 - ▶ Safe and suitable access to the Site can be achieved by all modes; and,
 - ▶ The level of traffic associated with the proposals will not lead to severe impact to the existing operation and free flow of traffic on the adjoining highway network.
- 5.9 In accordance with paragraph 115 of NPPF, there are therefore no transport or highway reasons why planning permission should be prevented or refused.

Appendix A

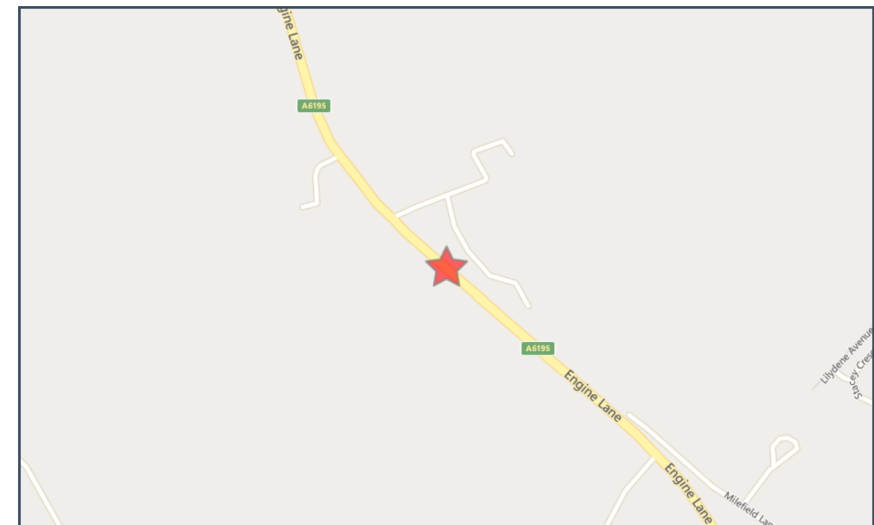
CrashMap Report



Validated Data

Crash Date: Monday, April 26, 2021 **Time of Crash:** 3:15:00 PM **Crash Reference:** 2021141039330

Highest Injury Severity:	Serious	Road Number:	A6195	Number of Casualties:	1
Highway Authority:	Barnsley			Number of Vehicles:	1
Local Authority:	Barnsley Metropolitan Borough			OS Grid Reference:	440140 409419
Weather Description:	Fine without high winds				
Road Surface Description:	Dry				
Speed Limit:	40				
Light Conditions:	Daylight: regardless of presence of streetlights				
Carriageway Hazards:	None				
Junction Detail:	Not at or within 20 metres of junction				
Junction Pedestrian Crossing:	No physical crossing facility within 50 metres				
Road Type:	Single carriageway				
Junction Control:	Not Applicable				



For more information about the data please visit: www.crashmap.co.uk/home/Faq
To subscribe to unlimited reports using CrashMap Pro visit www.crashmap.co.uk/Home/Premium_Services



Validated Data

Vehicles involved

Vehicle Ref	Vehicle Type	Vehicle Age	Driver Gender	Driver Age Band	Vehicle Manoeuvre	First Point of Impact	Journey Purpose	Hit Object - On Carriageway	Hit Object - Off Carriageway
1	Car (excluding private hire)	15	Male	66 - 75	Vehicle proceeding normally along the carriageway, not on a bend	Front	Other	None	None

Casualties

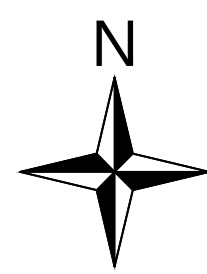
Vehicle Ref	Casualty Ref	Injury Severity	Casualty Class	Gender	Age Band	Pedestrian Location	Pedestrian Movement
1	1	Serious	Pedestrian	Male	11 - 15	In carriageway, crossing elsewhere	Crossing from driver's nearside

For more information about the data please visit: www.crashmap.co.uk/home/Faq

To subscribe to unlimited reports using CrashMap Pro visit www.crashmap.co.uk/Home/Premium_Services

Appendix B

Site Layout



Legend

- Landlord Boundary
- Site Boundary
- Perimeter Fence
- Customer Substation
- ▶ Site Access
- Transformer Station
- PV Array
- Screening
- T-Boot



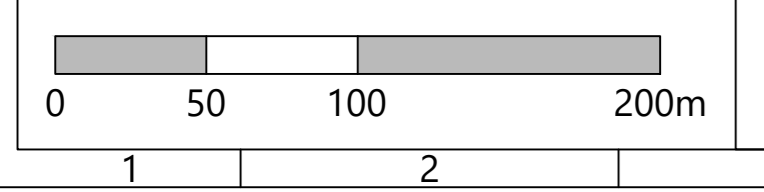
New pylon to be installed to connect to existing 132kV network

33kV/132kV Compound including Customer Transformer and DNO Circuit Breaker

G	Updated using General Layout RevZ	CC	19/11/2024
F	Updated using General Layout RevZ	CC	31/10/2024
E	Updated using General Layout RevY	CC	18/09/2024
D	Updated using General Layout RevW	CC	15/08/2024
C	Updated using General Layout RevS	CC	18/12/2023
B	Updated using General Layout RevR	CC	22/11/2023
A	Created using General Layout RevQ	CC	05/10/2023

REVISION	DESCRIPTION	BY	DATE
Site Address			
Engine Lane			
Grimethorpe			
Barnsley			
S72 7BN			
Project			
Grimethorpe			
Title			
Planning Layout			
Number			
P007033-11-PlanningLayout			
Type			
Site Layout		Revision	
Scale	Sheet	Revision	
1:2500	1 OF 1	G	
Drawn	Checked	Approved	
CC	CC	CC	

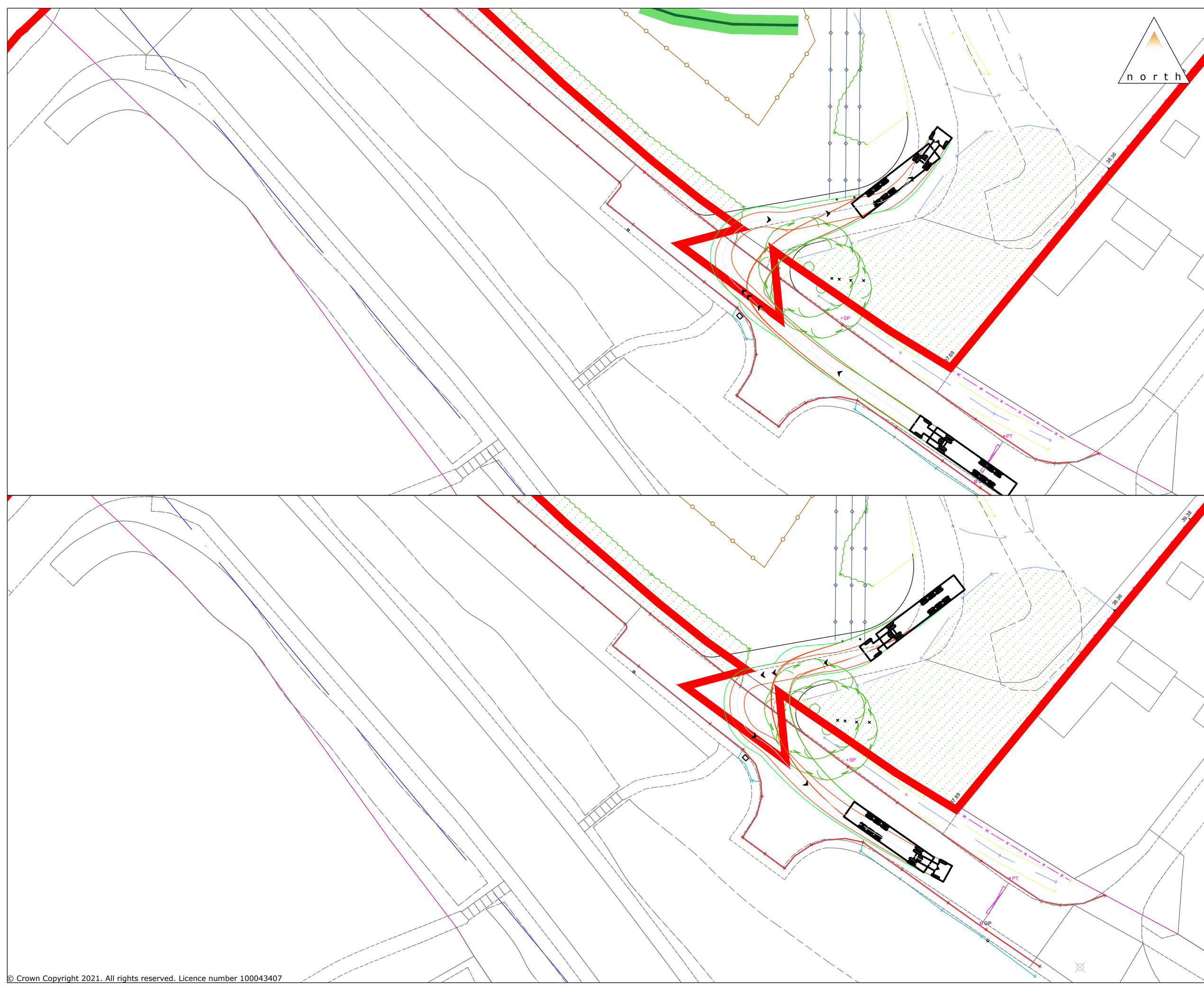
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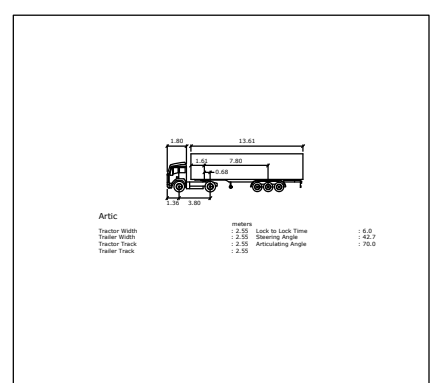
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Appendix C

Plot 1 – Swept Path Analysis – 16.5m HGV Access



Rev: Description: Date: Rev By: Chk'd:
 A Updated Site Layout 17/10/23 DR AN



9 Greyfriars, Reading, Berkshire, RG1 1NU
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 Guildford - London - Reading
 www.motion.co.uk

Project:
Grimethorpe Solar Farm

Title:
Swept Path Analysis Eastern Access (plot 1)

Client:
Enviromena

Drawing Status:
 Scale: 1:500 (@ A3) Date: 18/12/2024

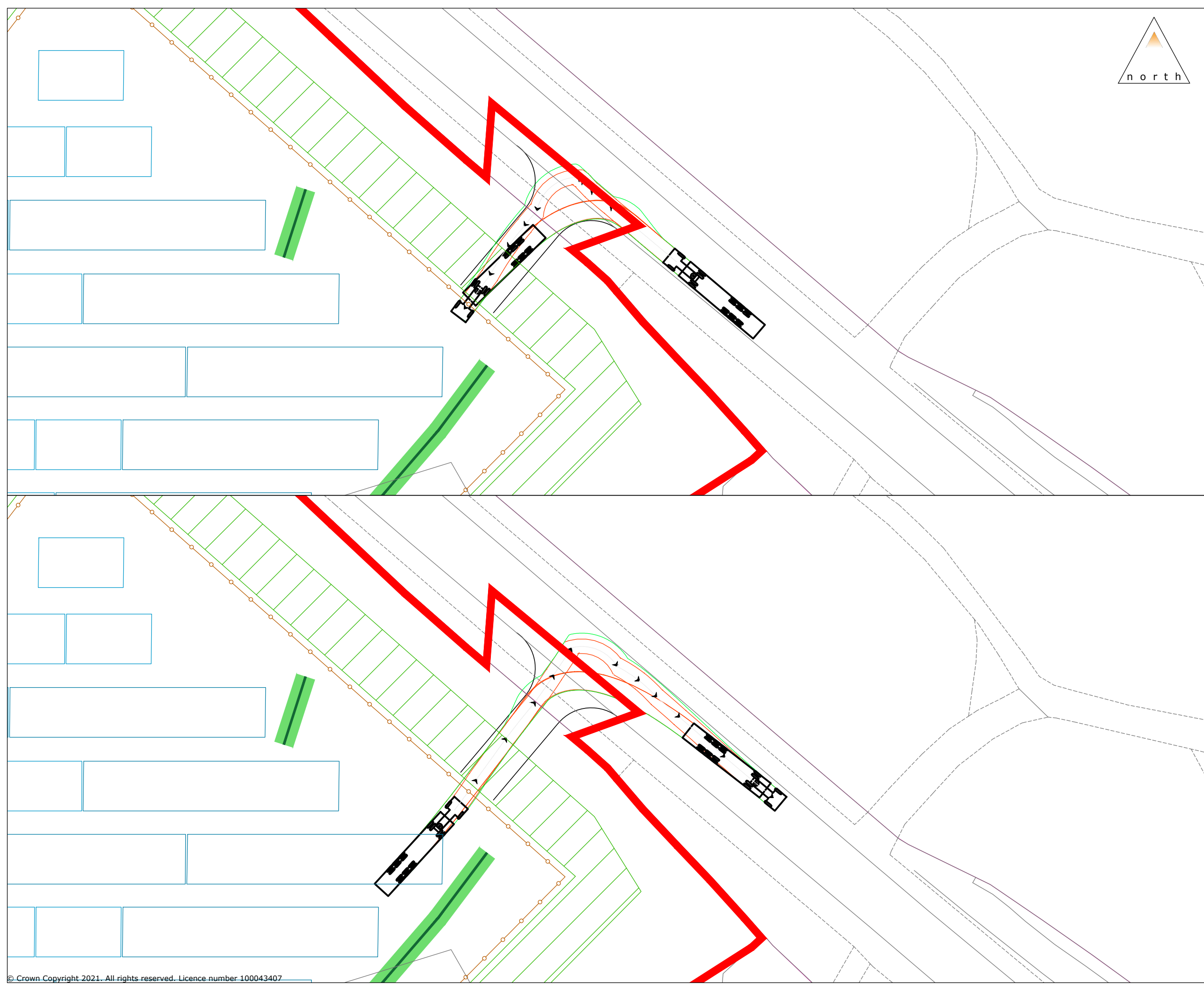
Drawn: AN Checked: JNR Approved: JNR

Drawing: **2210073-TK07** Revision: **B**

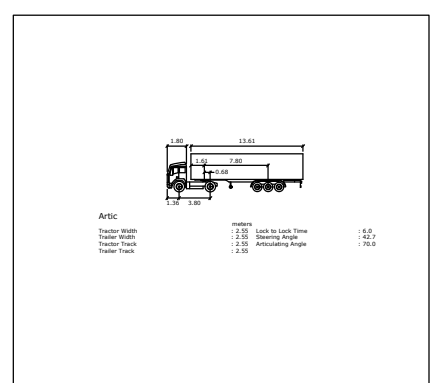
C:\Users\anock\Motion\StaffSite - Eprimg 2210073\Drawings\2210073 - 01-05_TK01-12.dwg

Appendix D

Plot 2 - Swept Path Analysis – 16.5m HGV Access



Rev: Description: Date: Rev By: Chk'd:
 A Updated Site Layout 17/10/23 DR AN



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Project:
Grimethorpe Solar Farm

Title:
**Swept Path Analysis
 Western Access (plot 2)**

Client:
Enviromena

Drawing Status:

Scale: 1:500 (@ A3) Date: 18/12/2024

Drawn: AN Checked: JNR Approved: JNR

Drawing: **2210073-TK12** Revision: **B**

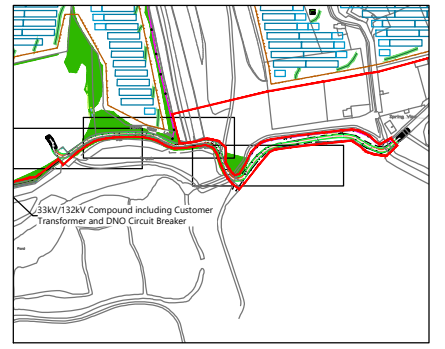
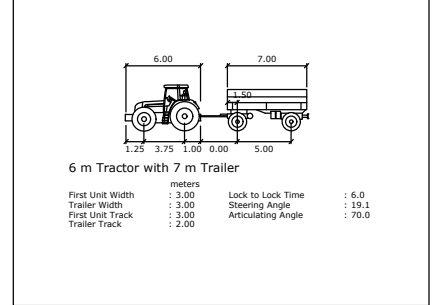
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Appendix E

Plot 3/4 – Swept Path Analysis – Tractor towing a trailer



Rev:	Description:	Date:	Rev By:	Chk'd:
A	Updated Site Layout	17/10/2023	DR	AN
B	Updated Site Layout	02/10/2024	AN	JNR



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Project:
Grimethorpe Solar Farm

Title:
**Swept Path Analysis
 Tractor towing trailer**

Client:
Enviromena

Drawing Status:

Scale: 1:500 (@ A3) Date: 18/12/2024

Drawn: AN Checked: JNR Approved: JNR

Drawing:
2210073-TK13 Revision: -

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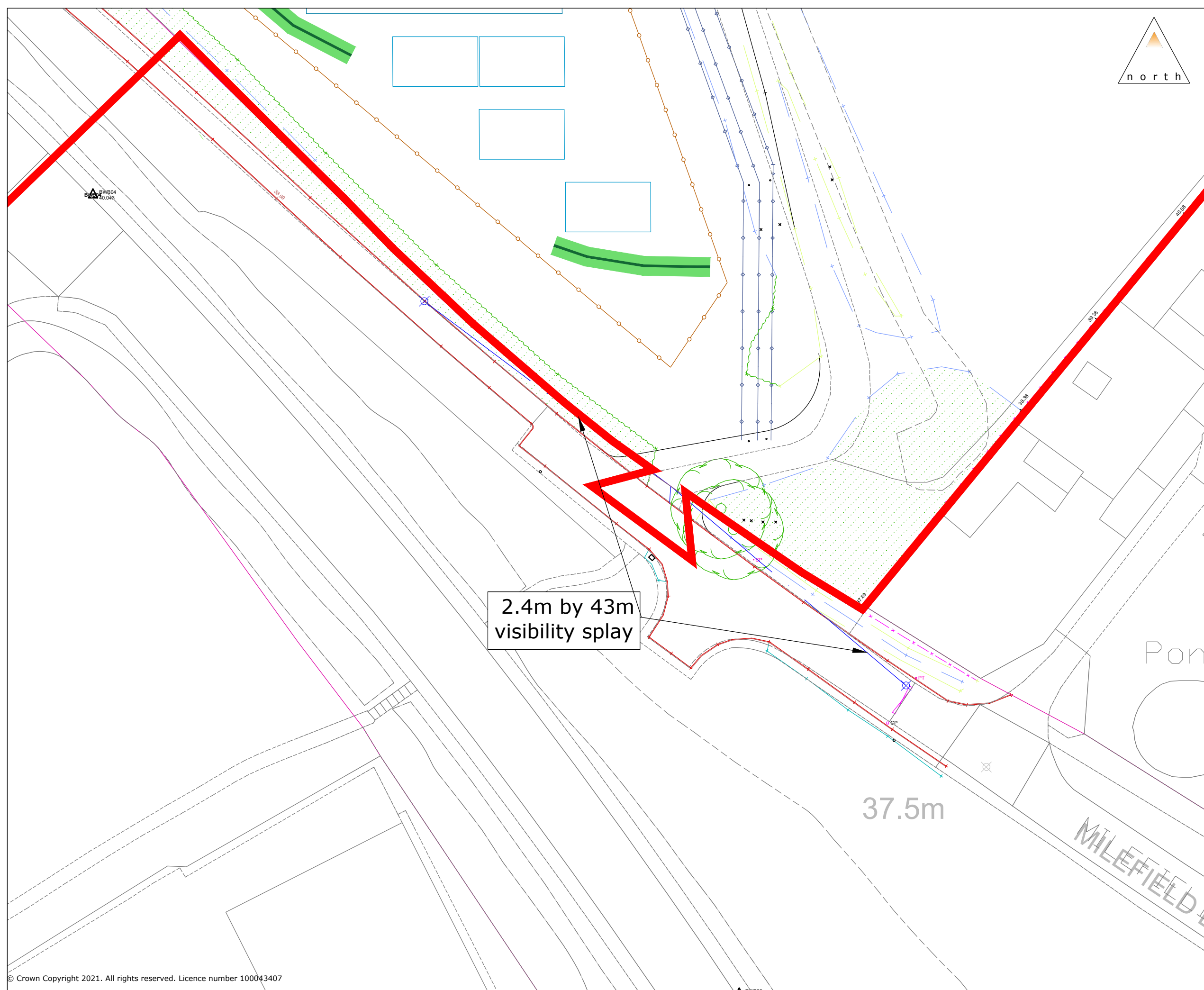
Appendix F

Plot 1 – Visibility Splay



Legend:

—— Highway Boundary



2.4m by 43m
visibility splay

37.5m

MILEFIELD LANE



9 Greyfriars, Reading, Berkshire, RG1 1NU
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Project:
Grimethorpe Solar Farm

Title:
**Visibility Splay
Milefield Lane**

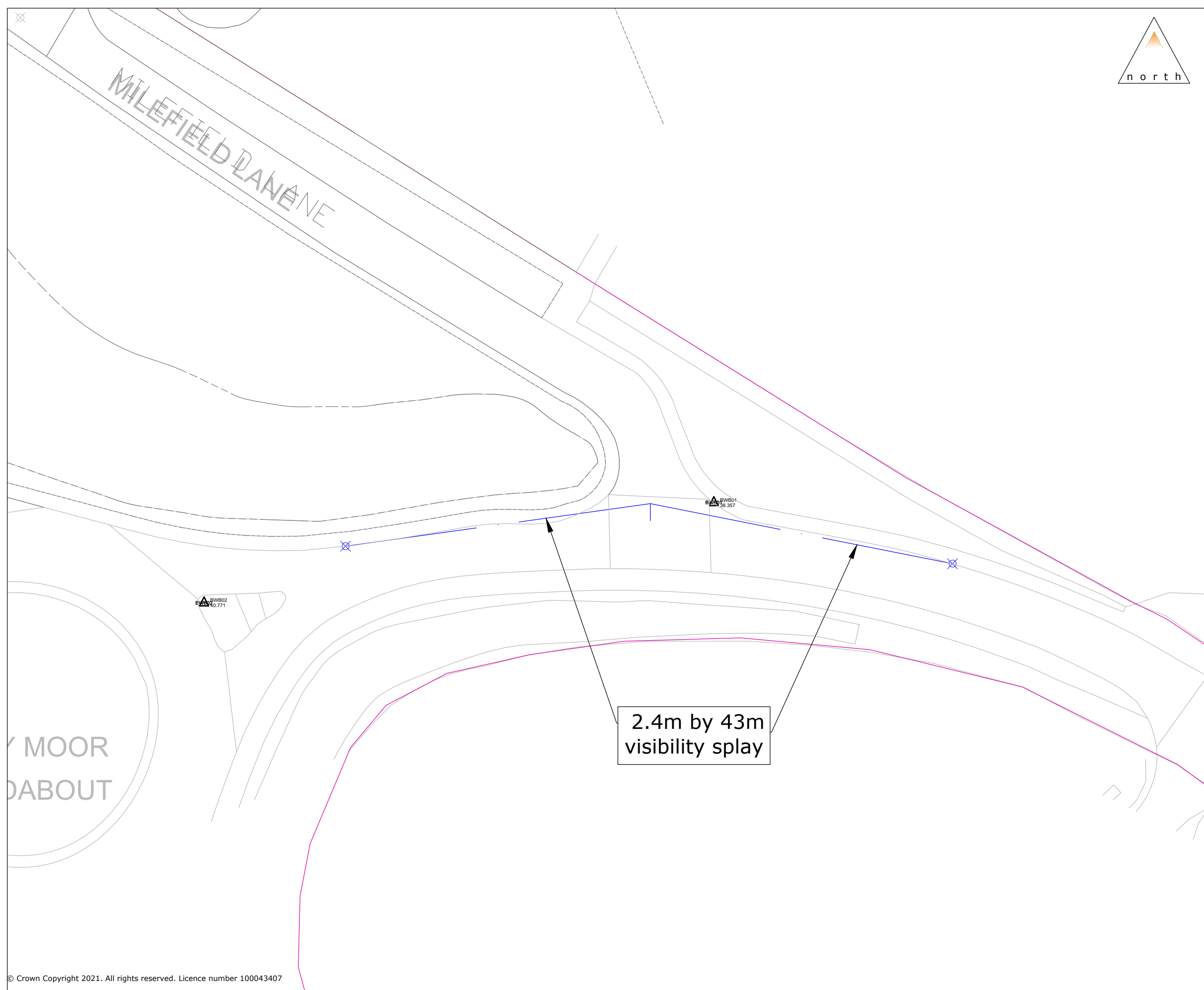
Client:
Enviromena

Drawing Status:

Scale: 1:500 (@ A3) Date: 18/12/2024

Drawn: AN Checked: JNR Approved: JNR

Drawing: **2210073-02** Revision: **A**



Rev: Description: Date: Rev By: Chk'd:
 A Updated Site Layout 17/10/23 DR AN



Legend:

— Highway Boundary



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Project:
Grimethorpe Solar Farm

Title:
**Visibility Splay
 Milefield Lane**

Client:
Enviromena

Drawing Status:

Scale: 1:500 (@ A3) Date: 18/12/2024

Drawn: AN Checked: JNR Approved: JNR

Drawing: **2210073-04** Revision: **E**

**2.4m by 43m
 visibility splay**

C:\Users\anock\Motion\StaffSite - Epgrim 2210073\Drawings\2210073 - 01-05_TK01-12.dwg

Appendix G

ATC Results

Leonard Stanley ATC 01, Seven Waters Road (West)

Produced by Streetwise Services Ltd.

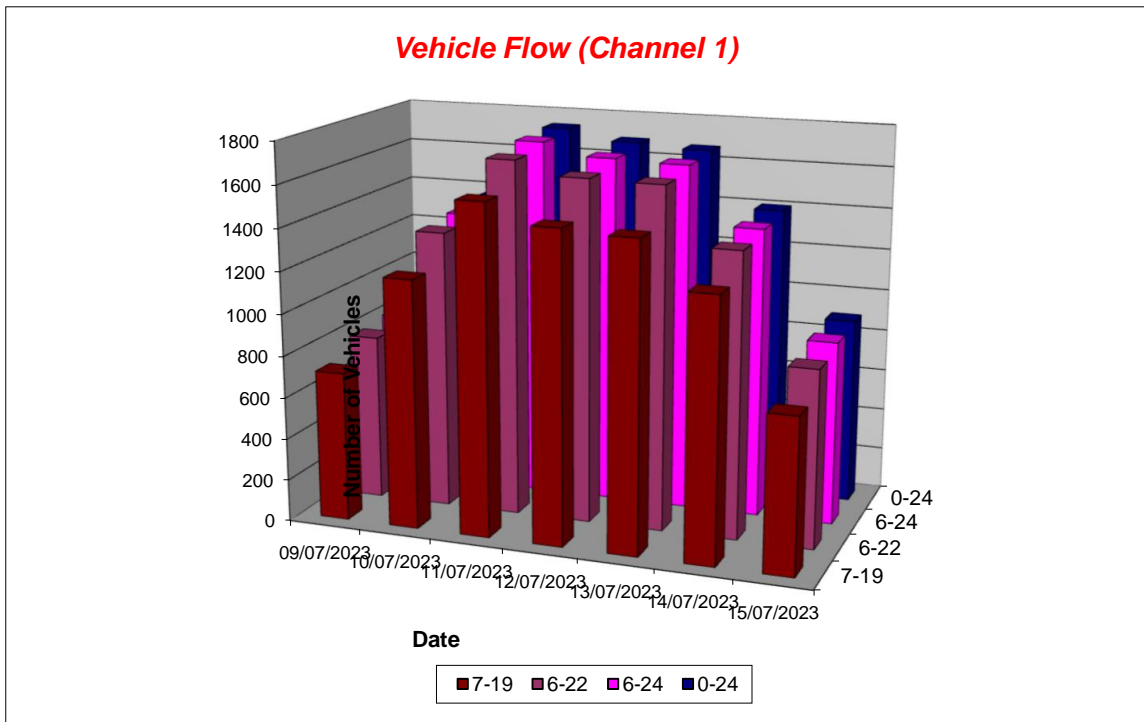


Channel 1 - Eastbound

Vehicle Flow

Week 1

Hr Ending	09/07/2023	10/07/2023	11/07/2023	12/07/2023	13/07/2023	14/07/2023	15/07/2023	5 Day Ave	7 Day Ave
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
1	12	5	2	4	4	6	8	4	6
2	8	1	0	4	1	2	3	2	3
3	1	3	1	1	1	1	1	1	1
4	1	2	2	0	0	1	1	1	1
5	1	1	0	0	1	1	1	1	1
6	0	7	7	11	5	8	0	8	5
7	3	22	19	24	23	17	13	21	17
8	13	84	79	109	106	78	21	91	70
9	22	130	144	167	143	126	32	142	109
10	44	75	97	99	117	87	43	95	80
11	56	61	84	139	83	101	85	94	87
12	73	88	128	123	77	89	73	101	93
13	94	77	137	114	102	105	78	107	101
14	62	98	150	110	105	108	56	114	98
15	77	92	114	108	118	114	71	109	99
16	78	111	105	126	131	124	61	119	105
17	66	145	144	139	162	111	84	140	122
18	84	141	218	152	184	123	74	164	139
19	44	85	167	88	128	72	58	108	92
20	30	66	46	51	65	45	43	55	49
21	31	29	29	40	55	29	30	36	35
22	17	27	34	43	27	26	25	31	28
23	15	13	21	26	18	13	17	18	18
24	4	7	8	8	12	13	13	10	9
7-19	713	1187	1567	1474	1456	1238	736	1384	1196
6-22	794	1331	1695	1632	1626	1355	847	1528	1326
6-24	813	1351	1724	1666	1656	1381	877	1556	1353
0-24	836	1370	1736	1686	1668	1400	891	1572	1370



Leonard Stanley ATC 01, Seven Waters Road (West)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

Average Speed

Week 1

Hr Ending	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday
1	36.8	46.0	35.5	38.0	38.0	40.9	42.4
2	35.8	33.0	-	37.4	33.0	29.2	43.0
3	25.5	30.5	38.0	38.0	33.0	33.0	43.0
4	38.0	40.5	35.5	-	-	38.0	33.0
5	33.0	25.5	-	-	38.0	43.0	38.0
6	-	37.6	41.6	38.0	39.0	38.6	-
7	39.7	38.1	38.5	37.5	34.8	38.3	38.0
8	36.7	37.0	37.6	37.7	37.6	37.1	37.6
9	34.0	34.2	35.0	35.2	34.4	35.7	33.8
10	35.2	34.7	35.8	35.5	34.5	35.5	37.0
11	36.7	34.1	33.7	34.9	35.9	34.0	35.2
12	33.3	35.6	34.1	32.6	33.8	35.5	36.4
13	34.9	36.1	34.1	34.4	35.5	35.6	35.4
14	37.0	34.1	34.6	34.5	35.6	35.3	36.4
15	36.2	35.1	33.9	34.6	34.5	35.8	36.8
16	34.8	32.6	33.2	33.7	34.6	34.7	36.3
17	35.2	34.0	36.3	35.2	35.7	36.8	35.7
18	36.0	36.0	37.0	38.1	34.8	35.7	37.3
19	36.0	36.4	37.0	36.6	36.3	37.2	37.2
20	37.8	36.4	36.6	36.7	36.7	36.5	36.9
21	34.5	35.8	38.3	35.2	36.8	36.9	35.7
22	34.2	34.5	35.9	34.5	32.9	34.5	34.4
23	32.7	33.8	36.1	35.5	34.8	33.6	36.4
24	36.8	41.6	36.8	35.2	38.4	35.1	34.5

10-12	34.8	35.0	34.0	33.8	34.9	34.7	35.7
14-16	35.5	33.8	33.6	34.1	34.6	35.2	36.6
0-24	35.5	35.1	35.5	35.3	35.4	35.7	36.3

7 Day Ave 35.5

85th Percentile

Hr Ending	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday
1	38.7	58.6	38.9	43.4	43.5	48.1	48.3
2	43.5	33.6	-	48.1	33.3	33.2	48.1
3	26.1	33.3	39.0	38.6	33.6	33.7	43.0
4	38.3	48.3	38.4	-	-	38.5	33.3
5	33.3	26.3	-	-	38.5	43.4	38.8
6	-	43.8	43.3	43.7	48.2	38.7	-
7	43.8	43.6	43.2	43.9	43.9	43.7	43.3
8	43.0	44.0	43.2	43.8	43.7	43.9	43.2
9	43.8	43.9	43.6	38.0	43.5	38.5	38.5
10	43.8	43.2	43.4	38.5	43.4	38.1	43.3
11	43.7	38.7	38.4	43.9	43.1	43.8	43.3
12	43.0	39.0	43.7	38.4	38.8	43.4	43.0
13	43.4	43.2	38.3	38.7	38.5	43.5	43.5
14	43.9	38.5	38.6	43.5	38.8	43.5	38.2
15	43.8	38.1	38.2	38.5	38.6	38.2	43.9
16	38.4	39.0	38.2	43.5	38.8	38.3	43.6
17	44.0	38.7	43.6	43.4	43.0	43.1	43.8
18	43.9	43.0	43.1	43.4	43.2	43.6	43.9
19	43.1	43.6	43.5	43.3	43.1	43.2	43.3
20	43.9	43.1	43.9	43.1	43.1	43.9	43.5
21	38.4	43.1	43.3	43.2	43.3	38.1	43.1
22	38.5	43.8	43.8	44.0	43.1	38.4	43.6
23	43.8	43.3	38.4	38.1	43.0	38.3	43.4
24	43.1	48.0	43.3	43.4	43.5	48.9	44.0

10-12	43.6	38.3	38.9	38.4	43.7	43.8	43.1
14-16	43.5	38.4	38.6	38.5	38.5	38.3	43.9
0-24	43.3	43.3	43.6	43.2	43.8	43.7	43.6

7 Day Ave 43.5

Leonard Stanley ATC 01, Seven Waters Road (West)

Produced by Streetwise Services Ltd.



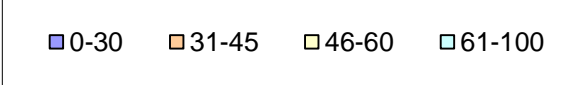
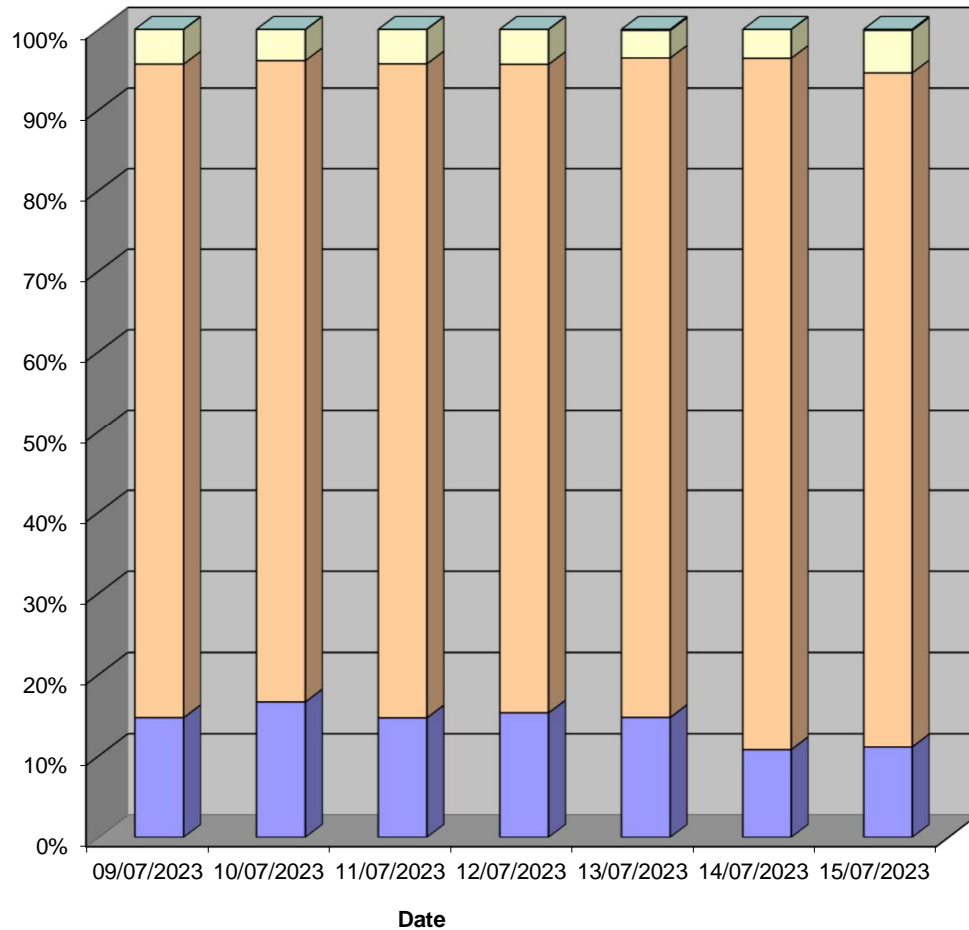
Channel 1 - Eastbound

Speed Summary

Week 1

Speed (MPH)	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday
0-30	123	228	255	258	246	151	99
31-45	677	1089	1407	1355	1363	1199	744
46-60	36	53	74	73	57	50	47
61-100	0	0	0	0	2	0	1
TOTAL	836	1370	1736	1686	1668	1400	891

Speed Summary (MPH)



Leonard Stanley ATC 01, Seven Waters Road (West)

Produced by Streetwise Services Ltd.

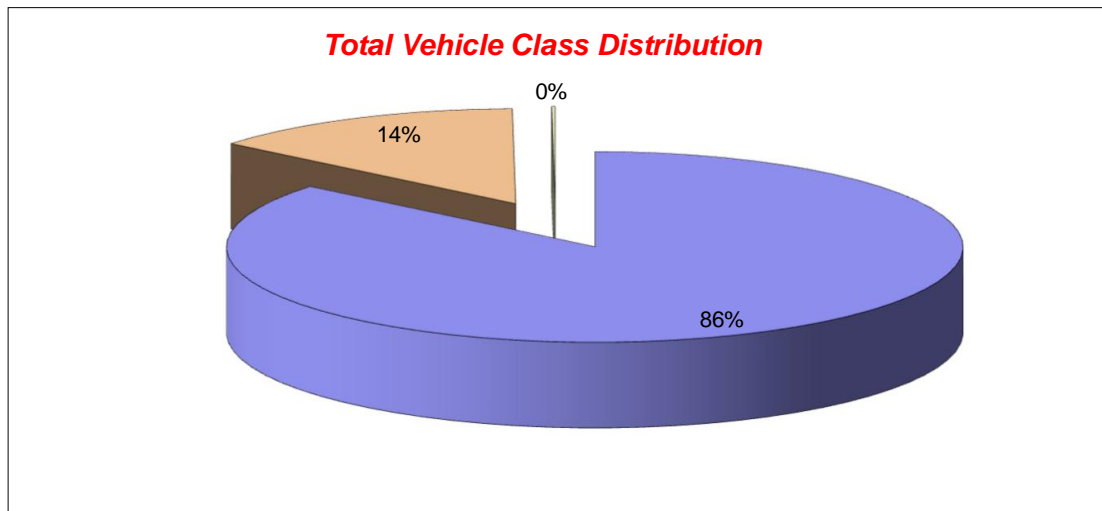


Channel 1 - Eastbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
09/07/2023				
7-19	645	66	2	713
6-22	717	75	2	794
6-24	733	78	2	813
0-24	753	81	2	836
10/07/2023				
7-19	1024	161	2	1187
6-22	1160	169	2	1331
6-24	1179	170	2	1351
0-24	1193	175	2	1370
11/07/2023				
7-19	1317	247	3	1567
6-22	1434	258	3	1695
6-24	1461	260	3	1724
0-24	1471	262	3	1736
12/07/2023				
7-19	1230	241	3	1474
6-22	1371	258	3	1632
6-24	1404	259	3	1666
0-24	1418	264	4	1686
13/07/2023				
7-19	1218	237	1	1456
6-22	1373	252	1	1626
6-24	1402	253	1	1656
0-24	1411	255	2	1668
14/07/2023				
7-19	1054	184	0	1238
6-22	1161	194	0	1355
6-24	1185	196	0	1381
0-24	1198	201	1	1400
15/07/2023				
7-19	653	83	0	736
6-22	753	94	0	847
6-24	781	96	0	877
0-24	793	97	1	891
Average				
7-19	1020	174	2	1196
6-22	1138	186	2	1326
6-24	1164	187	2	1353
0-24	1177	191	2	1370



Leonard Stanley ATC 01, Seven Waters Road (West)

Produced by Streetwise Services Ltd.

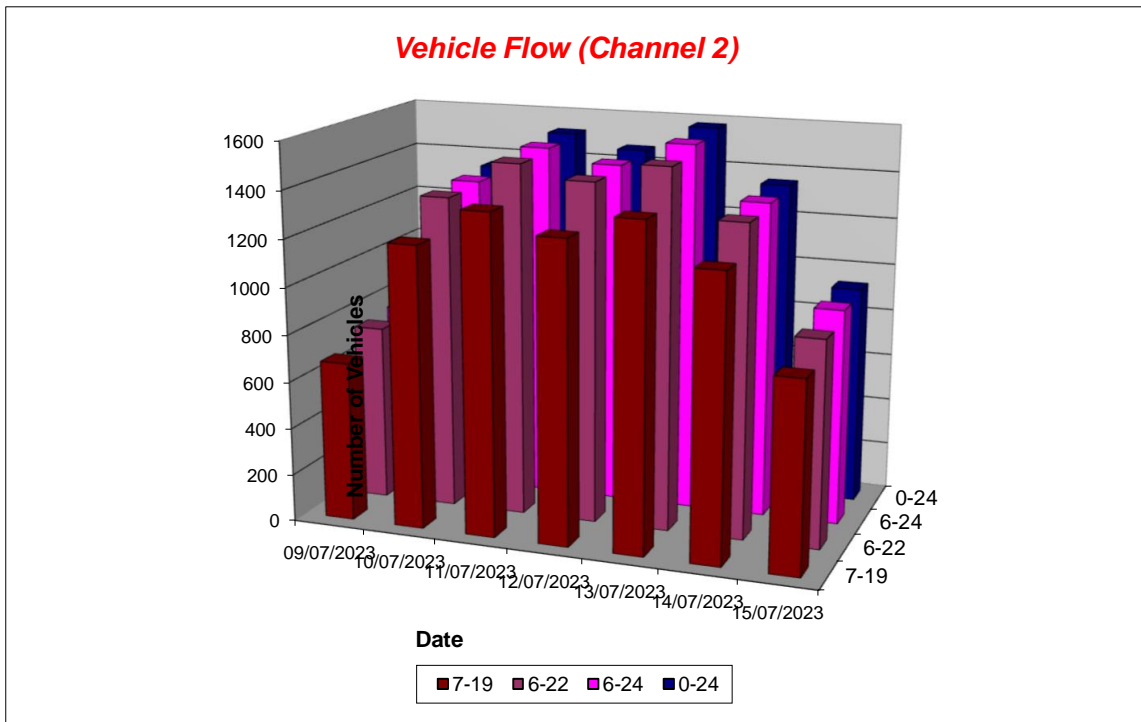


Channel 2 - Westbound

Vehicle Flow

Week 1

Hr Ending	09/07/2023	10/07/2023	11/07/2023	12/07/2023	13/07/2023	14/07/2023	15/07/2023	5 Day Ave	7 Day Ave
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
1	16	3	1	3	5	4	8	3	6
2	2	2	4	1	6	4	0	3	3
3	2	0	1	0	0	0	2	0	1
4	3	0	1	0	1	1	1	1	1
5	2	4	3	1	1	2	1	2	2
6	0	2	4	7	9	6	3	6	4
7	8	46	48	39	34	30	9	39	31
8	21	102	97	118	90	79	36	97	78
9	34	130	142	123	144	122	44	132	106
10	57	93	77	78	111	95	72	91	83
11	81	77	101	86	100	92	76	91	88
12	70	79	86	98	84	101	74	90	85
13	89	89	116	112	144	139	72	120	109
14	61	101	73	124	115	118	65	106	94
15	64	94	108	95	102	100	90	100	93
16	60	110	113	118	128	106	80	115	102
17	58	120	176	126	128	97	71	129	111
18	45	123	181	108	132	79	63	125	104
19	34	78	82	84	88	64	57	79	70
20	29	49	44	54	50	41	34	48	43
21	22	27	26	39	44	28	20	33	29
22	11	13	21	34	23	24	10	23	19
23	8	7	9	12	29	15	24	14	15
24	5	6	6	4	10	5	17	6	8
7-19	674	1196	1352	1270	1366	1192	800	1275	1121
6-22	744	1331	1491	1436	1517	1315	873	1418	1244
6-24	757	1344	1506	1452	1556	1335	914	1439	1266
0-24	782	1355	1520	1464	1578	1352	929	1454	1283



Leonard Stanley ATC 01, Seven Waters Road (West)

Produced by Streetwise Services Ltd.



Channel 2 - Westbound

Average Speed

Week 1

Hr Ending	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday
1	34.4	32.2	38.0	35.5	34.0	32.4	37.4
2	43.0	33.0	38.0	43.0	32.2	38.0	-
3	29.2	-	33.0	-	-	-	34.2
4	34.7	-	33.0	-	38.0	43.0	48.0
5	40.5	39.2	39.7	43.0	25.5	34.2	43.0
6	-	40.5	34.2	36.2	39.1	41.3	39.7
7	37.4	37.6	35.1	37.0	37.2	38.4	40.2
8	33.8	35.7	35.1	36.0	35.9	35.5	36.7
9	35.6	35.7	35.2	36.1	35.4	35.4	35.4
10	34.2	35.0	35.7	33.7	34.0	33.8	35.3
11	33.6	33.2	31.9	30.7	32.8	32.5	33.5
12	33.1	33.4	32.2	31.9	33.9	32.9	34.4
13	33.8	33.0	33.2	32.3	33.3	31.8	34.0
14	34.5	32.5	32.9	33.4	34.2	33.4	34.1
15	34.5	33.3	31.5	33.1	31.7	32.8	34.6
16	33.4	32.2	33.2	33.8	34.1	34.7	35.6
17	33.7	34.1	34.9	33.5	34.5	35.0	35.0
18	33.9	34.0	35.2	33.6	35.5	35.4	34.8
19	34.5	34.8	35.2	36.1	35.2	34.7	35.9
20	36.0	34.2	35.5	34.6	34.8	34.7	34.0
21	38.2	35.7	37.0	35.2	36.8	36.7	34.6
22	33.5	37.2	32.9	33.1	35.4	36.4	32.5
23	34.2	31.9	34.1	38.0	36.8	35.5	34.8
24	36.5	33.0	33.0	29.2	35.0	34.5	31.2

10-12	33.4	33.3	32.1	31.3	33.3	32.7	33.9
14-16	34.0	32.7	32.4	33.5	33.1	33.8	35.1
0-24	34.2	34.1	34.1	33.9	34.5	34.2	34.8

7 Day Ave 34.3

85th Percentile

Hr Ending	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday
1	38.3	38.4	39.0	49.0	43.1	38.4	38.4
2	43.1	33.5	38.1	43.8	43.5	43.1	-
3	33.5	-	33.1	-	-	-	43.4
4	38.2	-	33.8	-	39.0	44.0	48.9
5	49.0	43.2	43.4	43.7	26.1	43.8	43.6
6	-	48.6	48.5	48.4	48.9	48.7	43.9
7	38.1	48.5	38.1	43.7	43.7	48.4	43.5
8	38.0	43.7	43.1	43.3	43.4	43.0	43.3
9	43.3	43.9	43.2	43.4	43.7	43.2	38.9
10	43.5	38.4	43.0	38.4	38.1	38.2	43.3
11	43.9	38.3	38.7	38.9	38.8	38.5	38.3
12	38.5	38.3	38.5	38.1	38.7	38.4	43.2
13	38.4	38.2	38.6	38.6	38.5	38.1	38.3
14	38.8	38.5	38.2	38.3	38.2	38.3	43.0
15	38.8	38.2	38.5	38.1	38.2	38.6	38.7
16	38.7	38.6	38.7	38.2	38.3	43.8	38.8
17	38.7	38.4	43.8	38.1	38.8	43.5	38.3
18	39.0	38.9	43.4	38.4	43.1	43.2	43.7
19	43.3	38.5	43.9	44.0	38.5	38.9	43.4
20	43.5	38.2	43.7	43.5	43.8	43.4	38.8
21	43.4	43.7	43.1	43.5	43.8	43.3	43.7
22	38.7	48.7	38.6	44.0	43.3	43.8	38.4
23	43.2	38.6	38.7	43.2	49.0	43.2	43.1
24	43.4	38.8	38.0	43.4	43.8	58.4	38.4

10-12	43.5	38.2	38.4	38.4	38.7	38.2	43.3
14-16	38.8	38.8	38.4	38.3	38.9	38.9	38.7
0-24	43.5	38.2	43.3	38.5	38.9	38.6	43.3

7 Day Ave 40.6

Leonard Stanley ATC 01, Seven Waters Road (West)

Produced by Streetwise Services Ltd.



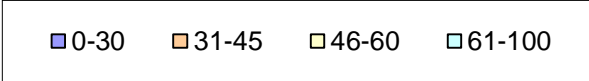
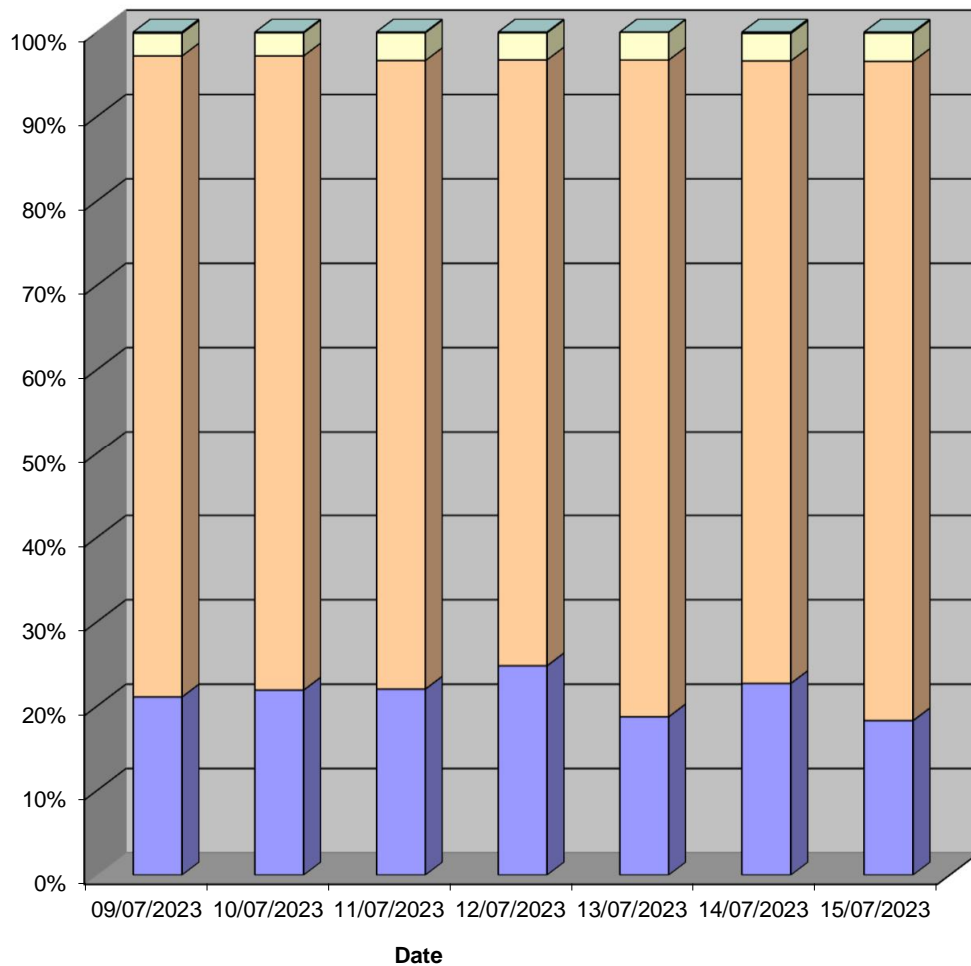
Channel 2 - Westbound

Speed Summary

Week 1

Speed (MPH)	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday
0-30	165	297	335	363	296	307	170
31-45	595	1020	1134	1053	1230	999	727
46-60	21	37	50	47	52	44	31
61-100	1	1	1	1	0	2	1
TOTAL	782	1355	1520	1464	1578	1352	929

Speed Summary (MPH)



Leonard Stanley ATC 01, Seven Waters Road (West)

Produced by Streetwise Services Ltd.

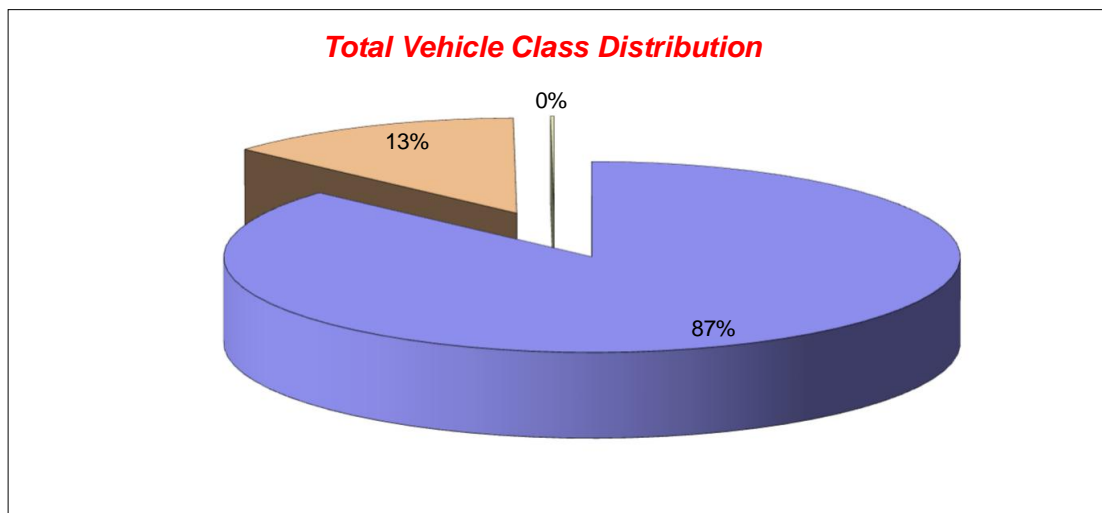


Channel 2 - Westbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
09/07/2023				
7-19	610	62	2	674
6-22	673	69	2	744
6-24	685	70	2	757
0-24	706	74	2	782
10/07/2023				
7-19	1034	161	1	1196
6-22	1160	170	1	1331
6-24	1173	170	1	1344
0-24	1180	174	1	1355
11/07/2023				
7-19	1154	196	2	1352
6-22	1274	215	2	1491
6-24	1289	215	2	1506
0-24	1300	218	2	1520
12/07/2023				
7-19	1091	178	1	1270
6-22	1238	197	1	1436
6-24	1253	198	1	1452
0-24	1263	199	2	1464
13/07/2023				
7-19	1161	204	1	1366
6-22	1295	221	1	1517
6-24	1332	223	1	1556
0-24	1350	226	2	1578
14/07/2023				
7-19	1013	177	2	1192
6-22	1125	188	2	1315
6-24	1144	189	2	1335
0-24	1158	191	3	1352
15/07/2023				
7-19	721	78	1	800
6-22	783	89	1	873
6-24	819	94	1	914
0-24	831	96	2	929
Average				
7-19	969	151	1	1121
6-22	1078	164	1	1244
6-24	1099	166	1	1266
0-24	1113	168	2	1283



Leonard Stanley ATC 01, Seven Waters Road (West)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

























	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	836	1370	1736	1686	1668	1400	891	1572	1370
Mean Speed	35.5	35.1	35.5	35.3	35.4	35.7	36.3	35.4	35.5
85%ile Speed	43.3	43.3	43.6	43.2	43.8	43.7	43.6	43.5	43.3
No. Vehicles > 60 MPH Limit	0	0	0	0	2	0	1	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channel 2 - Westbound

	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	782	1355	1520	1464	1576	1352	329	1454	783
Mean Speed	34.2	34.1	34.1	33.9	34.5	34.2	34.8	34.2	34.3
85%ile Speed	43.5	43.2	43.3	43.5	43.9	43.6	43.3	43.5	43.6
No. Vehicles > 60 MPH Limit	1	1	1	1	0	2	1	1	1
% Vehicles > 60 MPH Limit	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channels 1+2 - Eastbound & Westbound

	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	1618	2725	3256	3150	3246	2752	1820	3026	2652
Mean Speed	34.9	34.6	34.8	34.6	35.0	35.0	35.6	34.8	34.9
85%ile Speed	43.4	40.8	43.4	40.9	41.4	41.1	43.4	41.5	42.1
No. Vehicles > 60 MPH Limit	1	1	1	1	2	2	2	1	1
% Vehicles > 60 MPH Limit	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi 	5	Rigid 2 Axle HDV + 2 Axle (Drive-axle(s) Trailer) 
1	Light Goods Vehicle 	6	Rigid 3 Axle HDV + 2 Axle Drive Trailer 
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer 	6	Rigid 3 Axle HDV + 3 Axle Drive Trailer 
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer 	7	Artic. 2 Axle Tractor + 1 Axle Semi-Trailer 
2	Rigid 2 Axle Heavy Goods Vehicle 	8	Artic. 2 Axle Tractor + 2 Axle Semi-Trailer 
3	Rigid 3 Axle Heavy Goods Vehicle 	9	Artic. 2 Axle Tractor + 3 Axle Semi-Trailer 
3	Rigid 3 Axle Heavy Goods Vehicle 	10	Artic. 3 Axle Tractor + 1 Axle Semi-Trailer 
4	Rigid 4 Axle Heavy Goods Vehicle 	10	Artic. 3 Axle Tractor + 2 Axle Semi-Trailer 
4	Rigid 4 Axle Heavy Goods Vehicle 	11	Artic. 3 Axle Tractor + 3 Axle Semi-Trailer 
5	Rigid 2 Axle HDV + 2 Axle Drawbar Trailer 	12	Bus or Coach, 2 Axle 
5	Rigid 2 Axle HDV + 3 Axle Drawbar Trailer 	12	Bus or Coach, 3 Axle 
5	Rigid 2 Axle HDV + 1 Axle Caravan or Trailer 	13	Vehicle with 7 or more Axles 

Leonard Stanley ATC 01, Seven Waters Road (West)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	651	870	1151	1119	1073	962	680	1035	929
Mean Speed	35.2	35.6	36.1	35.7	35.6	36.1	37.2	35.8	35.9
85%ile Speed	40.8	41.6	41.0	42.1	41.1	40.9	42.9	41.3	41.5
No. Vehicles > 60 MPH Limit	0	0	0	0	2	0	1	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channel 2 - Westbound

	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	624	880	924	989	1084	975	715	970	884
Mean Speed	35.2	34.6	34.5	35.0	34.4	35.4	36.2	34.8	35.0
85%ile Speed	40.9	40.4	39.7	42.2	40.8	42.7	41.6	41.2	41.2
No. Vehicles > 60 MPH Limit	1	1	1	1	0	0	1	1	1
% Vehicles > 60 MPH Limit	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channels 1+2 - Eastbound & Westbound

	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	1275	1750	2075	2108	2157	1937	1395	2005	1814
Mean Speed	35.2	35.1	35.3	35.4	35.0	35.7	36.7	35.3	35.5
85%ile Speed	40.8	41.0	40.3	42.1	40.9	41.8	42.3	41.2	41.3
No. Vehicles > 60 MPH Limit	1	1	1	1	2	0	2	1	1
% Vehicles > 60 MPH Limit	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Note: All figures are based on data from the hours 0000-0700, 0900-1600 & 1800-2400.

Leonard Stanley ATC 02, Seven Waters Road (East)

Produced by Streetwise Services Ltd.

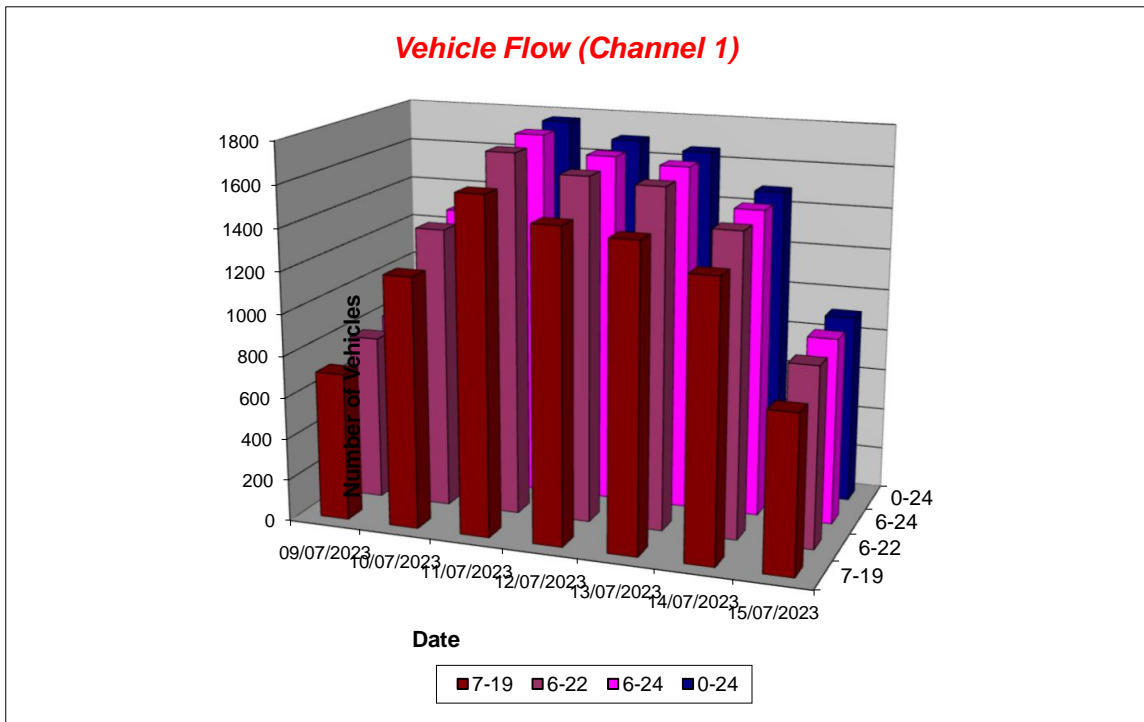


Channel 1 - Eastbound

Vehicle Flow

Week 1

Hr Ending	09/07/2023	10/07/2023	11/07/2023	12/07/2023	13/07/2023	14/07/2023	15/07/2023	5 Day Ave	7 Day Ave
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
1	12	5	2	4	4	6	8	4	6
2	8	1	0	4	1	2	3	2	3
3	2	3	1	1	1	1	1	1	1
4	1	2	2	0	0	1	1	1	1
5	1	1	0	0	1	1	1	1	1
6	0	7	7	11	5	8	0	8	5
7	3	23	19	23	23	18	13	21	17
8	12	84	80	108	106	81	22	92	70
9	24	131	143	167	143	134	32	144	111
10	43	74	97	99	116	90	43	95	80
11	54	59	85	140	84	104	86	94	87
12	72	89	128	129	77	96	73	104	95
13	93	77	139	121	100	112	78	110	103
14	63	98	150	110	106	122	61	117	101
15	77	94	121	106	117	126	76	113	102
16	79	118	116	128	132	130	64	125	110
17	66	150	149	137	161	123	84	144	124
18	83	141	225	152	181	127	74	165	140
19	43	85	167	88	124	73	58	107	91
20	30	65	46	51	65	47	45	55	50
21	31	31	29	40	55	32	30	37	35
22	17	27	34	43	27	28	25	32	29
23	15	14	21	25	18	13	17	18	18
24	4	7	8	8	12	13	13	10	9
7-19	709	1200	1600	1485	1447	1318	751	1410	1216
6-22	790	1346	1728	1642	1617	1443	864	1555	1347
6-24	809	1367	1757	1675	1647	1469	894	1583	1374
0-24	833	1386	1769	1695	1659	1488	908	1599	1391



Leonard Stanley ATC 02, Seven Waters Road (East)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

Average Speed

Week 1

Hr Ending	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday
1	33.0	40.5	31.8	33.6	32.4	39.2	35.2
2	30.5	33.0	-	33.6	25.5	29.2	39.7
3	25.5	30.5	33.0	38.0	25.5	33.0	38.0
4	33.0	38.0	25.5	-	-	38.0	33.0
5	33.0	25.5	-	-	33.0	43.0	38.0
6	-	34.1	35.9	33.0	33.5	35.5	-
7	38.0	34.0	32.6	32.6	30.5	31.5	34.2
8	33.2	32.7	33.0	33.9	32.9	32.3	32.8
9	30.9	30.5	30.8	31.3	30.5	31.5	30.1
10	31.3	30.8	31.7	31.9	31.1	31.9	32.5
11	32.2	29.9	30.6	31.2	31.2	30.4	31.4
12	30.2	30.8	30.2	28.4	30.4	31.4	32.2
13	31.5	31.8	29.2	29.3	31.2	31.6	31.8
14	32.4	30.1	30.0	30.2	31.6	31.0	31.2
15	31.8	31.7	31.1	30.6	31.1	31.6	32.7
16	31.4	29.8	30.3	29.9	31.4	30.7	32.3
17	31.7	30.3	32.2	30.9	31.4	32.5	32.0
18	32.0	31.8	32.6	33.2	31.6	31.5	33.5
19	32.3	32.7	31.8	32.5	31.8	33.0	33.3
20	33.5	32.3	33.1	32.6	32.4	32.6	32.4
21	30.3	32.0	34.2	31.7	32.2	31.4	32.3
22	31.4	31.0	31.7	30.2	28.6	29.6	30.8
23	28.8	29.8	32.9	33.7	31.9	31.3	32.9
24	30.5	34.8	35.5	32.4	35.1	31.3	30.9

10-12	31.0	30.4	30.3	29.9	30.8	30.8	31.7
14-16	31.6	30.7	30.7	30.2	31.2	31.1	32.5
0-24	31.6	31.2	31.3	31.2	31.4	31.6	32.2

7 Day Ave 31.5

85th Percentile

Hr Ending	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday
1	38.7	53.6	38.9	38.4	38.5	48.1	38.3
2	38.5	33.6	-	43.1	25.8	33.2	48.1
3	26.1	33.3	34.0	38.6	26.1	33.7	38.0
4	33.3	43.3	25.9	-	-	38.5	33.3
5	33.3	26.3	-	-	33.5	43.4	38.8
6	-	38.8	38.3	38.7	38.2	38.1	-
7	38.8	38.6	38.2	38.9	38.9	38.7	38.3
8	38.0	39.0	38.2	38.8	38.7	38.9	38.2
9	38.8	38.9	38.6	38.0	38.5	33.5	38.5
10	38.8	38.2	38.4	38.5	38.4	38.1	38.3
11	38.7	33.7	38.4	38.9	38.1	38.8	38.3
12	38.0	34.0	38.7	33.4	38.8	38.4	38.0
13	38.4	38.2	33.3	33.7	38.5	38.5	38.5
14	38.9	38.5	33.6	38.5	38.8	38.5	38.2
15	38.8	38.1	38.2	38.5	38.6	38.2	38.9
16	38.4	34.0	38.2	38.5	38.8	33.3	38.6
17	39.0	38.7	38.6	38.4	38.0	38.1	38.8
18	38.9	38.0	38.1	38.4	38.2	38.6	38.9
19	38.1	38.6	38.5	38.3	38.1	38.2	38.3
20	38.9	38.1	38.9	38.1	38.1	38.9	38.5
21	33.4	38.1	38.3	38.2	38.3	38.1	38.1
22	33.5	38.8	38.8	39.0	33.1	33.4	38.6
23	38.8	33.3	38.4	38.1	38.0	38.3	38.4
24	38.1	38.0	43.3	38.4	43.5	43.9	39.0

10-12	38.6	33.3	38.9	38.4	38.7	38.8	38.1
14-16	38.5	38.4	38.6	38.5	38.5	38.3	38.9
0-24	38.3	38.3	38.6	38.2	38.8	38.7	38.6

7 Day Ave 38.5

Leonard Stanley ATC 02, Seven Waters Road (East)

Produced by Streetwise Services Ltd.



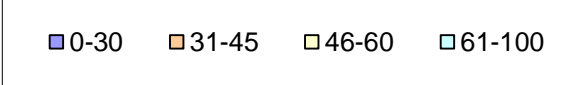
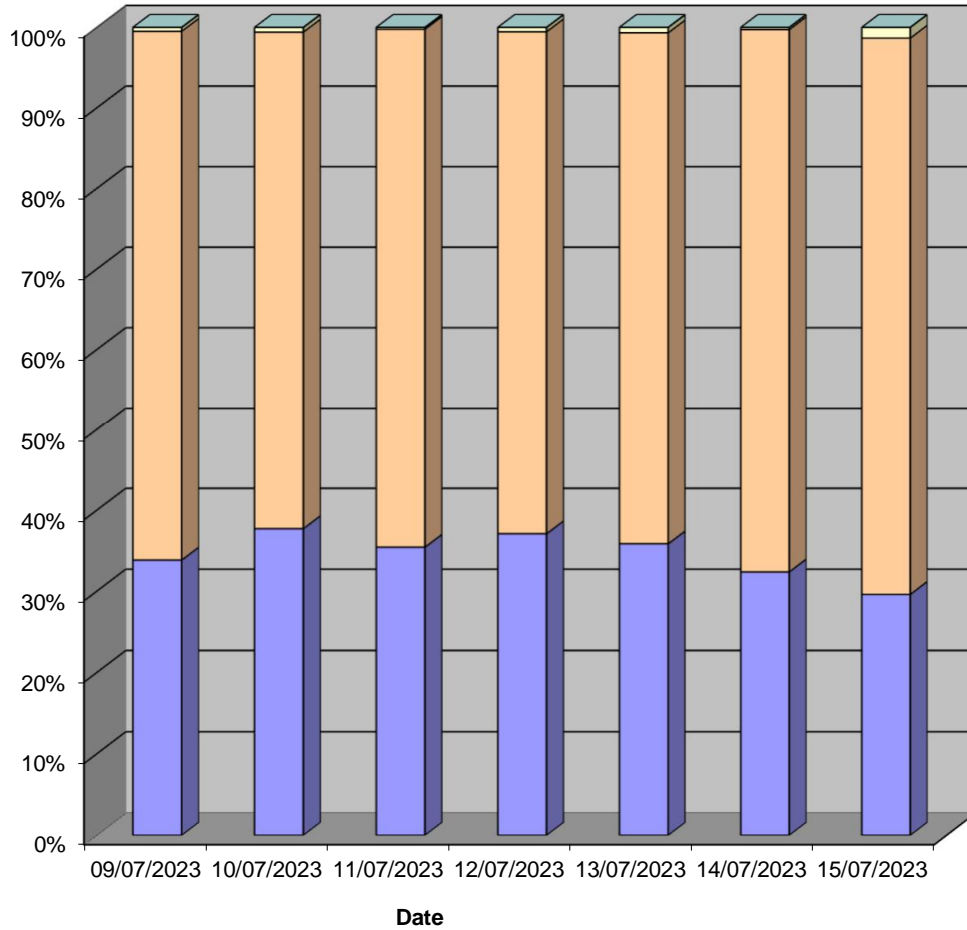
Channel 1 - Eastbound

Speed Summary

Week 1

Speed (MPH)	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday
0-30	282	523	627	629	595	482	269
31-45	547	855	1138	1057	1053	1002	627
46-60	4	8	4	9	11	4	12
61-100	0	0	0	0	0	0	0
TOTAL	833	1386	1769	1695	1659	1488	908

Speed Summary (MPH)



Leonard Stanley ATC 02, Seven Waters Road (East)

Produced by Streetwise Services Ltd.

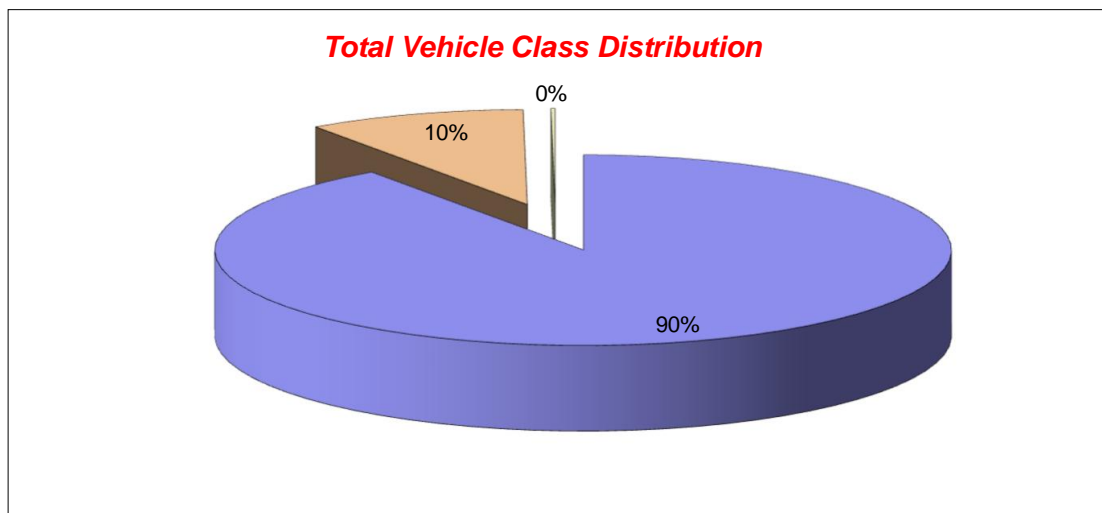


Channel 1 - Eastbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
09/07/2023				
7-19	667	41	1	709
6-22	744	45	1	790
6-24	761	47	1	809
0-24	782	49	2	833
10/07/2023				
7-19	1082	115	3	1200
6-22	1220	123	3	1346
6-24	1241	123	3	1367
0-24	1255	128	3	1386
11/07/2023				
7-19	1415	182	3	1600
6-22	1534	191	3	1728
6-24	1561	193	3	1757
0-24	1571	195	3	1769
12/07/2023				
7-19	1301	180	4	1485
6-22	1447	191	4	1642
6-24	1479	192	4	1675
0-24	1493	197	5	1695
13/07/2023				
7-19	1284	162	1	1447
6-22	1445	171	1	1617
6-24	1474	172	1	1647
0-24	1483	174	2	1659
14/07/2023				
7-19	1199	119	0	1318
6-22	1317	126	0	1443
6-24	1341	128	0	1469
0-24	1354	133	1	1488
15/07/2023				
7-19	704	46	1	751
6-22	810	53	1	864
6-24	838	55	1	894
0-24	850	56	2	908
Average				
7-19	1093	121	2	1216
6-22	1217	129	2	1347
6-24	1242	130	2	1374
0-24	1255	133	3	1391



Leonard Stanley ATC 02, Seven Waters Road (East)

Produced by Streetwise Services Ltd.

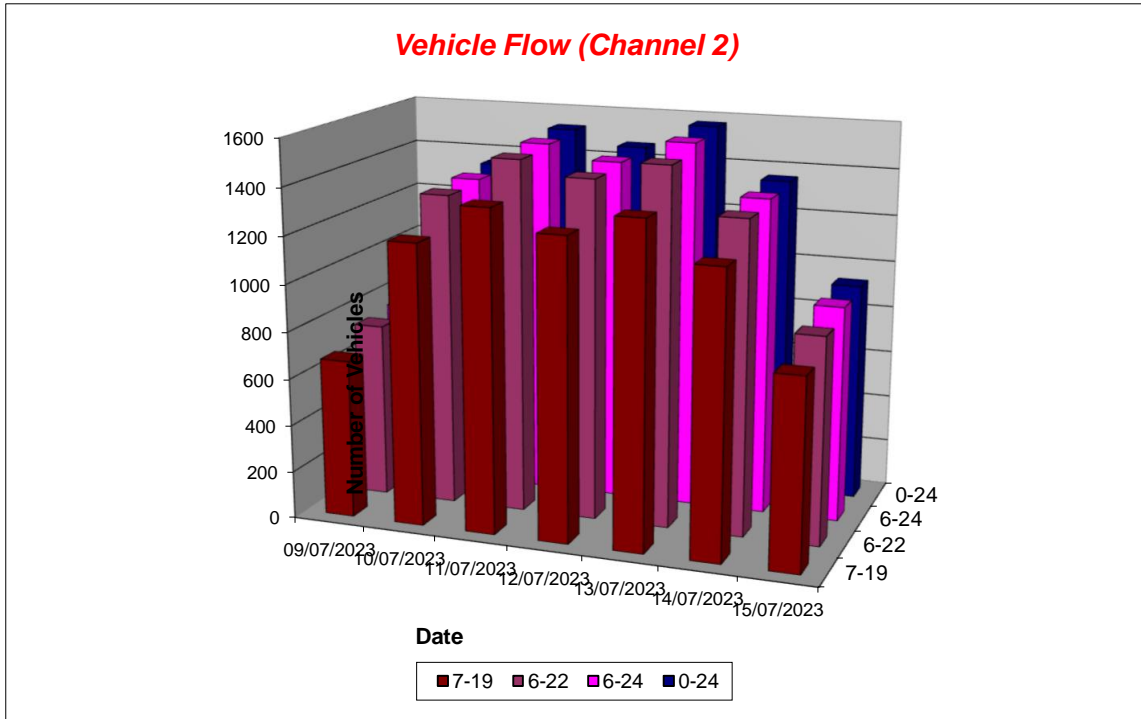


Channel 2 - Westbound

Vehicle Flow

Week 1

Hr Ending	09/07/2023	10/07/2023	11/07/2023	12/07/2023	13/07/2023	14/07/2023	15/07/2023	5 Day Ave	7 Day Ave
	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
1	16	3	1	3	5	4	8	3	6
2	2	2	4	1	5	4	0	3	3
3	2	0	1	0	0	0	2	0	1
4	3	0	1	0	1	1	1	1	1
5	2	4	3	1	1	2	1	2	2
6	0	2	4	7	9	6	3	6	4
7	8	46	48	39	34	30	9	39	31
8	21	102	97	118	89	79	36	97	77
9	34	129	142	122	142	122	43	131	105
10	57	94	75	78	111	95	72	91	83
11	79	76	101	88	100	92	76	91	87
12	70	79	88	97	84	102	74	90	85
13	89	89	117	111	144	143	72	121	109
14	61	101	73	123	115	118	65	106	94
15	64	95	109	96	103	99	90	100	94
16	60	106	113	118	127	105	80	114	101
17	57	120	176	126	128	98	72	130	111
18	45	125	183	108	131	79	62	125	105
19	34	76	83	84	85	63	57	78	69
20	29	49	44	55	51	41	34	48	43
21	22	28	26	39	44	28	21	33	30
22	11	13	21	34	23	25	10	23	20
23	8	7	9	12	29	15	24	14	15
24	5	6	6	4	10	5	17	6	8
7-19	671	1192	1357	1269	1359	1195	799	1274	1120
6-22	741	1328	1496	1436	1511	1319	873	1418	1243
6-24	754	1341	1511	1452	1550	1339	914	1439	1266
0-24	779	1352	1525	1464	1571	1356	929	1454	1282



Leonard Stanley ATC 02, Seven Waters Road (East)

Produced by Streetwise Services Ltd.



Channel 2 - Westbound

Average Speed

Week 1

Hr Ending	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday
1	31.4	29.7	38.0	32.2	32.0	26.1	33.6
2	38.0	29.2	33.6	43.0	30.0	34.9	-
3	25.5	-	25.5	-	-	-	34.2
4	28.0	-	33.0	-	33.0	43.0	48.0
5	36.8	39.2	33.0	43.0	33.0	36.8	43.0
6	-	40.5	33.0	34.8	37.4	39.7	38.0
7	35.2	35.6	33.8	34.0	35.4	36.4	38.8
8	32.2	34.2	33.8	33.3	33.7	32.6	33.4
9	34.0	34.3	33.3	33.9	33.5	33.2	33.9
10	33.5	34.0	34.8	31.8	32.6	31.9	34.1
11	33.2	31.5	30.7	29.2	31.0	30.6	31.6
12	31.8	32.0	31.2	30.1	32.4	31.5	32.6
13	32.6	32.2	31.2	30.7	31.5	30.2	32.0
14	33.2	30.8	30.4	32.0	32.9	31.6	33.3
15	33.2	31.9	29.4	31.8	30.2	32.5	32.8
16	32.4	30.0	31.1	32.1	32.5	32.5	33.2
17	32.4	31.8	32.4	30.5	32.5	34.4	33.4
18	32.2	32.1	32.4	31.1	33.2	33.3	33.7
19	32.9	33.4	33.4	34.2	32.4	32.8	33.2
20	33.9	32.7	33.9	32.0	33.7	33.4	31.3
21	35.3	33.1	36.5	33.8	34.3	35.4	32.8
22	33.5	36.7	31.6	32.5	33.9	34.5	29.8
23	35.2	28.0	33.3	37.4	35.4	34.7	32.8
24	35.0	31.3	31.3	29.9	34.2	32.5	29.5

10-12	32.6	31.8	30.9	29.7	31.7	31.1	32.1
14-16	32.8	30.9	30.3	31.9	31.5	32.5	33.0
0-24	32.9	32.5	32.2	32.0	32.7	32.5	33.0

7 Day Ave	32.5
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85th Percentile

Hr Ending	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday
1	38.3	38.4	39.0	49.0	43.1	38.4	38.4
2	43.1	33.5	38.1	43.8	38.5	43.1	-
3	26.0	-	25.6	-	-	-	43.4
4	33.2	-	33.8	-	34.0	44.0	48.9
5	49.0	43.2	33.4	43.7	33.6	48.8	43.6
6	-	48.6	43.5	38.4	43.9	43.7	38.9
7	43.1	43.5	38.1	43.7	43.7	43.4	43.5
8	38.0	43.7	43.1	38.3	38.4	38.0	43.3
9	43.3	43.9	38.2	43.4	38.7	38.2	38.9
10	43.5	38.4	43.0	38.4	38.1	38.2	38.3
11	38.9	38.3	38.7	38.9	38.8	38.5	38.3
12	38.5	38.3	38.5	38.1	38.7	38.4	43.2
13	38.4	38.2	38.6	38.6	38.5	38.1	38.3
14	38.8	38.5	33.2	38.3	38.2	38.3	38.0
15	38.8	38.2	38.5	38.1	38.2	38.6	38.7
16	38.7	33.6	38.7	38.2	38.3	38.8	38.8
17	38.7	38.4	38.8	38.1	38.8	38.5	38.3
18	39.0	38.9	38.4	38.4	38.1	38.2	38.7
19	43.3	38.5	38.9	39.0	38.5	38.9	38.4
20	38.5	38.2	43.7	38.5	43.8	38.4	38.8
21	43.4	43.7	43.1	43.5	38.8	43.3	38.7
22	38.7	48.7	38.6	44.0	43.3	43.8	33.4
23	38.2	38.6	38.7	43.2	49.0	43.2	38.1
24	43.4	38.8	38.0	38.4	43.8	53.4	38.4

10-12	38.5	38.2	38.4	38.4	38.7	38.2	43.3
14-16	38.8	38.8	38.4	38.3	38.9	38.9	38.7
0-24	38.5	38.2	38.3	38.5	38.9	38.6	38.3

7 Day Ave	38.5
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Leonard Stanley ATC 02, Seven Waters Road (East)

Produced by Streetwise Services Ltd.



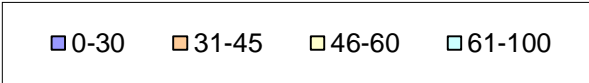
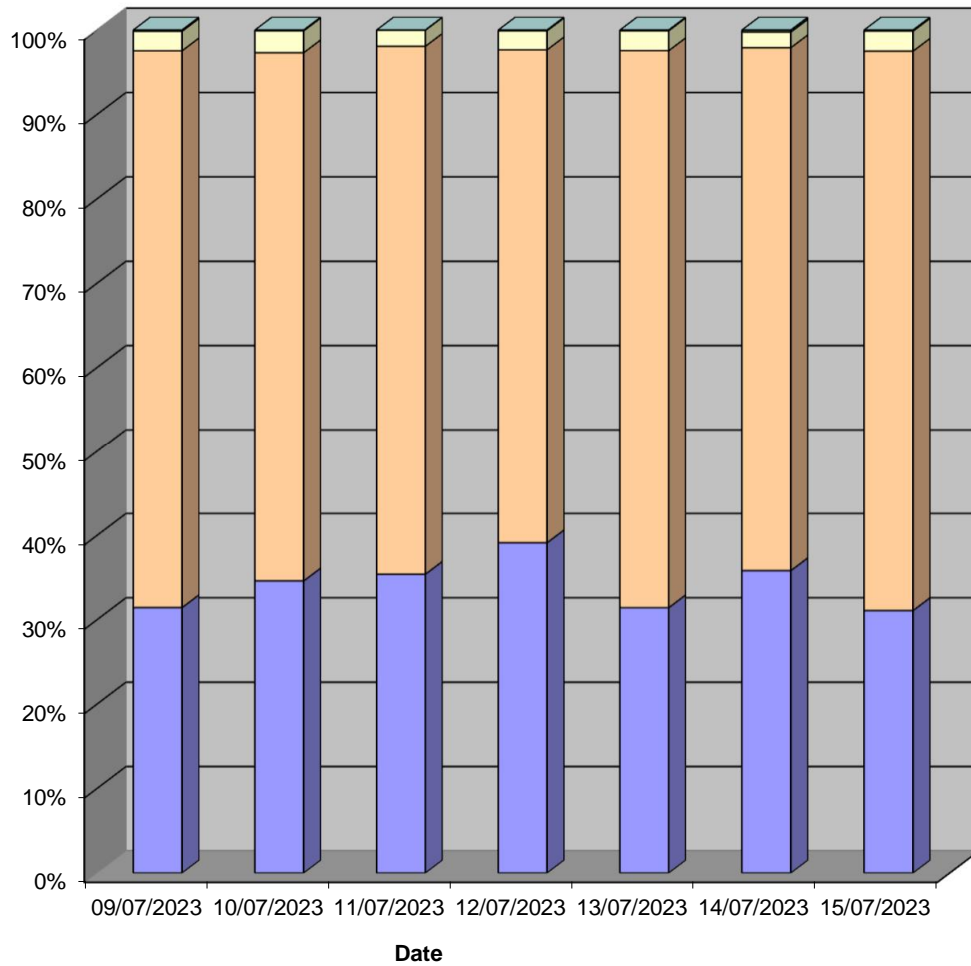
Channel 2 - Westbound

Speed Summary

Week 1

Speed (MPH)	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday
0-30	245	468	540	573	494	486	289
31-45	515	848	956	857	1039	842	617
46-60	18	35	29	33	37	25	22
61-100	1	1	0	1	1	3	1
TOTAL	779	1352	1525	1464	1571	1356	929

Speed Summary (MPH)



Leonard Stanley ATC 02, Seven Waters Road (East)

Produced by Streetwise Services Ltd.



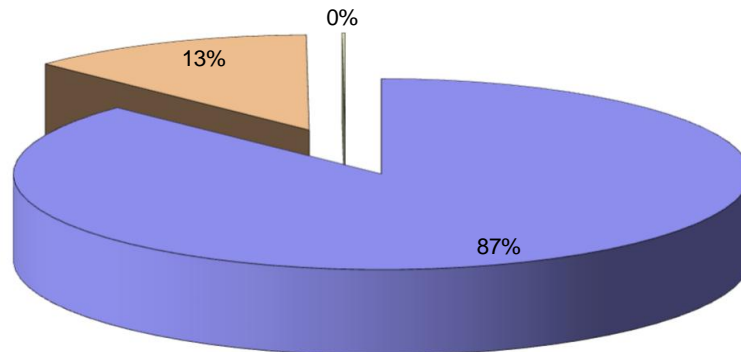
Channel 2 - Westbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
09/07/2023				
7-19	604	66	1	671
6-22	667	73	1	741
6-24	679	74	1	754
0-24	700	78	1	779
10/07/2023				
7-19	1023	168	1	1192
6-22	1149	178	1	1328
6-24	1162	178	1	1341
0-24	1169	182	1	1352
11/07/2023				
7-19	1181	174	2	1357
6-22	1301	193	2	1496
6-24	1316	193	2	1511
0-24	1327	196	2	1525
12/07/2023				
7-19	1086	181	2	1269
6-22	1235	199	2	1436
6-24	1250	200	2	1452
0-24	1259	202	3	1464
13/07/2023				
7-19	1163	194	2	1359
6-22	1298	211	2	1511
6-24	1335	213	2	1550
0-24	1352	216	3	1571
14/07/2023				
7-19	1044	151	0	1195
6-22	1158	161	0	1319
6-24	1177	162	0	1339
0-24	1191	164	1	1356
15/07/2023				
7-19	719	80	0	799
6-22	785	88	0	873
6-24	821	93	0	914
0-24	833	95	1	929
Average				
7-19	974	145	1	1120
6-22	1085	158	1	1243
6-24	1106	159	1	1266
0-24	1119	162	2	1282

Total Vehicle Class Distribution



Leonard Stanley ATC 02, Seven Waters Road (East)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	833	1386	1769	1695	1659	1488	908	1599	1391
Mean Speed	31.6	31.2	31.3	31.2	31.4	31.6	32.2	31.3	31.5
85%ile Speed	38.3	38.3	38.6	38.2	38.8	38.7	38.6	38.5	38.5
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channel 2 - Westbound

	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	778	1582	1528	1464	1571	1356	329	1454	1262
Mean Speed	32.9	32.5	32.2	32.0	32.7	32.5	33.0	32.4	32.5
85%ile Speed	38.5	38.2	38.3	38.5	38.9	38.6	38.3	38.5	38.5
No. Vehicles > 60 MPH Limit	1	1	0	1	1	3	1	1	1
% Vehicles > 60 MPH Limit	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.1
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channels 1+2 - Eastbound & Westbound

	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday	5-DAY MEAN	7-DAY MEAN
0000-2400 Vehicle Flow	1612	2738	3294	3159	3230	2844	1837	3053	2673
Mean Speed	32.3	31.9	31.8	31.6	32.1	32.1	32.6	31.9	32.0
85%ile Speed	38.4	38.3	38.4	38.4	38.9	38.6	38.4	38.5	38.5
No. Vehicles > 60 MPH Limit	1	1	0	1	1	3	1	1	1
% Vehicles > 60 MPH Limit	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Class No	Vehicle Description	Class No	Vehicle Description
1	Car, Light Van Taxi	5	Rigid 2 Axle HDV + 2 Axle (Drawbar/Trailer)
1	Light Goods Vehicle	6	Rigid 3 Axle HDV + 2 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 1 Axle Caravan or Trailer	6	Rigid 3 Axle HDV + 3 Axle Drawbar Trailer
1	Car or Light Goods Vehicle + 2 Axle Caravan or Trailer	7	Artic. 2 Axle Tractor + 1 Axle Semi-Trailer
2	Rigid 2 Axle Heavy Goods Vehicle	8	Artic. 2 Axle Tractor + 2 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	9	Artic. 2 Axle Tractor + 3 Axle Semi-Trailer
3	Rigid 3 Axle Heavy Goods Vehicle	10	Artic. 3 Axle Tractor + 1 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	10	Artic. 3 Axle Tractor + 2 Axle Semi-Trailer
4	Rigid 4 Axle Heavy Goods Vehicle	11	Artic. 3 Axle Tractor + 3 Axle Semi-Trailer
5	Rigid 2 Axle HDV + 2 Axle Drawbar Trailer	12	Bus or Coach, 2 Axle
5	Rigid 2 Axle HDV + 3 Axle Drawbar Trailer	12	Bus or Coach, 3 Axle
5	Rigid 2 Axle HDV + 1 Axle Caravan or Trailer	13	Vehicle with 7 or more Axles

Leonard Stanley ATC 02, Seven Waters Road (East)

Produced by Streetwise Services Ltd.



Channel 1 - Eastbound

	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	648	880	1172	1131	1068	1023	696	1055	945
Mean Speed	31.6	32.2	31.7	32.0	31.1	32.9	33.4	32.0	32.1
85%ile Speed	36.8	37.4	37.2	38.2	36.8	38.4	38.7	37.6	37.6
No. Vehicles > 60 MPH Limit	0	0	0	0	0	0	0	0	0
% Vehicles > 60 MPH Limit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channel 2 - Westbound

	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	622	876	927	990	1081	978	716	970	884
Mean Speed	33.2	32.9	32.4	33.6	33.0	33.7	34.5	33.1	33.3
85%ile Speed	39.7	39.8	38.1	40.8	40.1	41.6	39.8	40.1	40.0
No. Vehicles > 60 MPH Limit	1	1	0	1	1	1	1	1	1
% Vehicles > 60 MPH Limit	0.2	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Channels 1+2 - Eastbound & Westbound

	09/07/2023 Sunday	10/07/2023 Monday	11/07/2023 Tuesday	12/07/2023 Wednesday	13/07/2023 Thursday	14/07/2023 Friday	15/07/2023 Saturday	5-DAY MEAN	7-DAY MEAN
Vehicle Flow	1270	1756	2099	2121	2149	2001	1412	2025	1830
Mean Speed	32.4	32.5	32.1	32.8	32.1	33.3	33.9	32.5	32.7
85%ile Speed	38.2	38.6	37.7	39.5	38.5	40.0	39.2	38.9	38.8
No. Vehicles > 60 MPH Limit	1	1	0	1	1	1	1	1	1
% Vehicles > 60 MPH Limit	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
No. Vehicles > 75 MPH	0	0	0	0	0	0	0	0	0
% Vehicles > 75 MPH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Note: All figures are based on data from the hours 0000-0700, 0900-1600 & 1800-2400.

Appendix H

Visibility Splay Calculation

Seven Waters Road

Northbound

7-day average	-
Standard deviation	-
85th %ile Speed (mph)	49.1
85th %ile Wet Weather Speed (mph)	51.6
85th %ile Wet Weather Speed (kph)	75.0

SSD = $vt + v^2 / 2d$, therefore.....

Surveyed Speed (mph)	49.1
v = speed (m/s)	21.9
t = driver perception-reaction time (secs)	2
d = deceleration (m/s ²)	2.5
SSD (metres) =	142
SSD (metres, adjusted for bonnet length) =	144

Southbound

7-day average	-
Standard deviation	-
85th %ile Speed (mph)	50.4
85th %ile Wet Weather Speed (mph)	52.9
85th %ile Wet Weather Speed (kph)	77.1

SSD = $vt + v^2 / 2d$, therefore.....


Surveyed Speed (mph)	50.4
v = speed (m/s)	22.5
t = driver perception-reaction time (secs)	2
d = deceleration (m/s ²)	2.5
SSD (metres) =	147
SSD (metres, adjusted for bonnet length) =	149

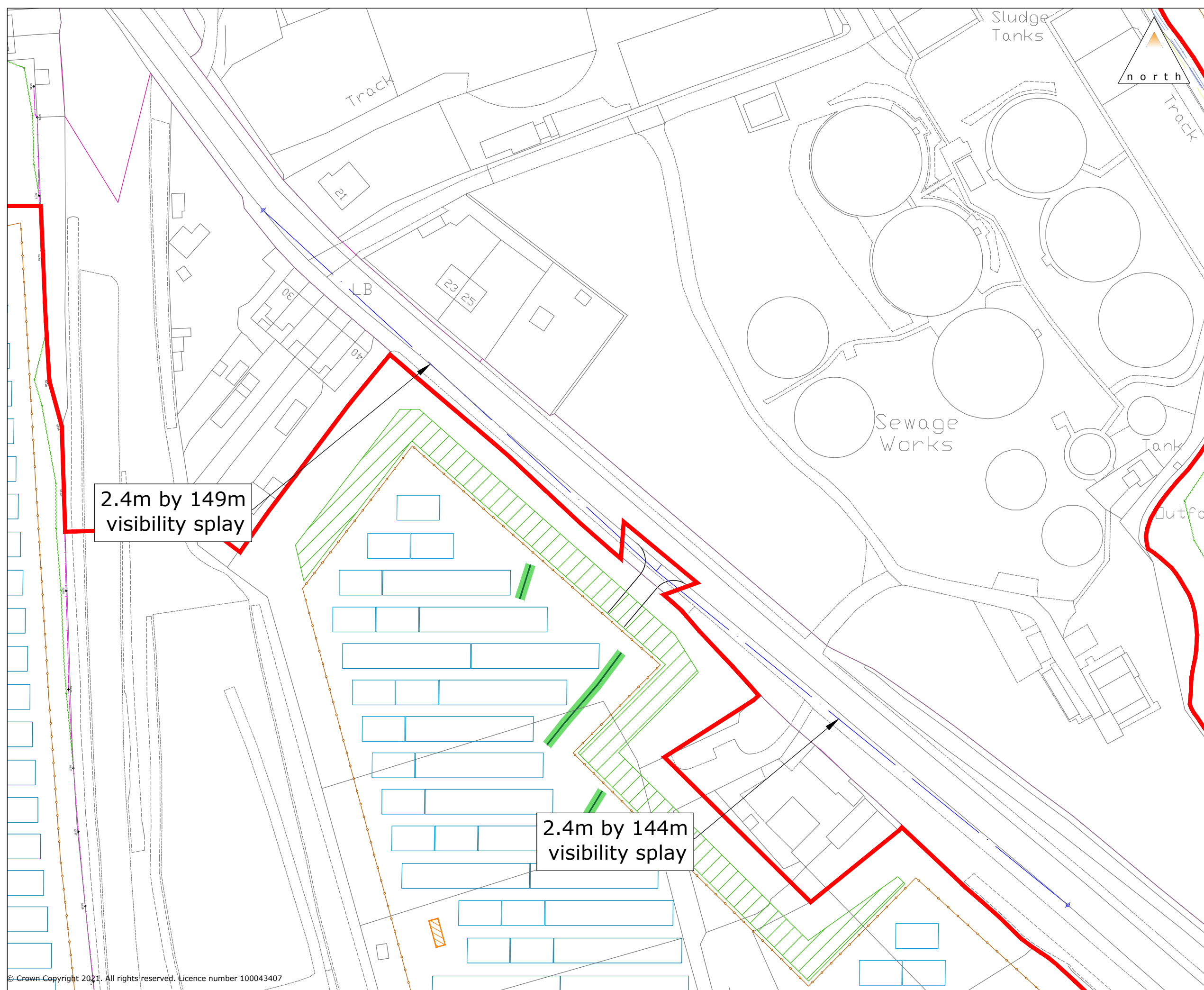
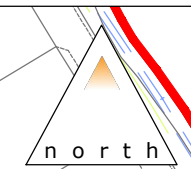
Note - speeds obtained from ATC Information are 85th percentile values

Appendix I

Plot 2 – Visibility Splay

Legend:

 Highway Boundary

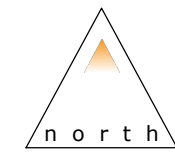


9 Greyfriars, Reading, Berkshire, RG1 1NU
 T: 0118 206 2930
 Guildford - London - Reading
 www.motion.co.uk

Project: Grimethorpe Solar Farm	
Title: Visibility Splay Engine Lane	
Client: Enviromena	
Drawing Status:	
Scale: 1:1000 (@ A3)	Date: 18/12/2024
Drawn: AN	Checked: JNR
Approved: JNR	
Drawing: 2210073-07	Revision: -

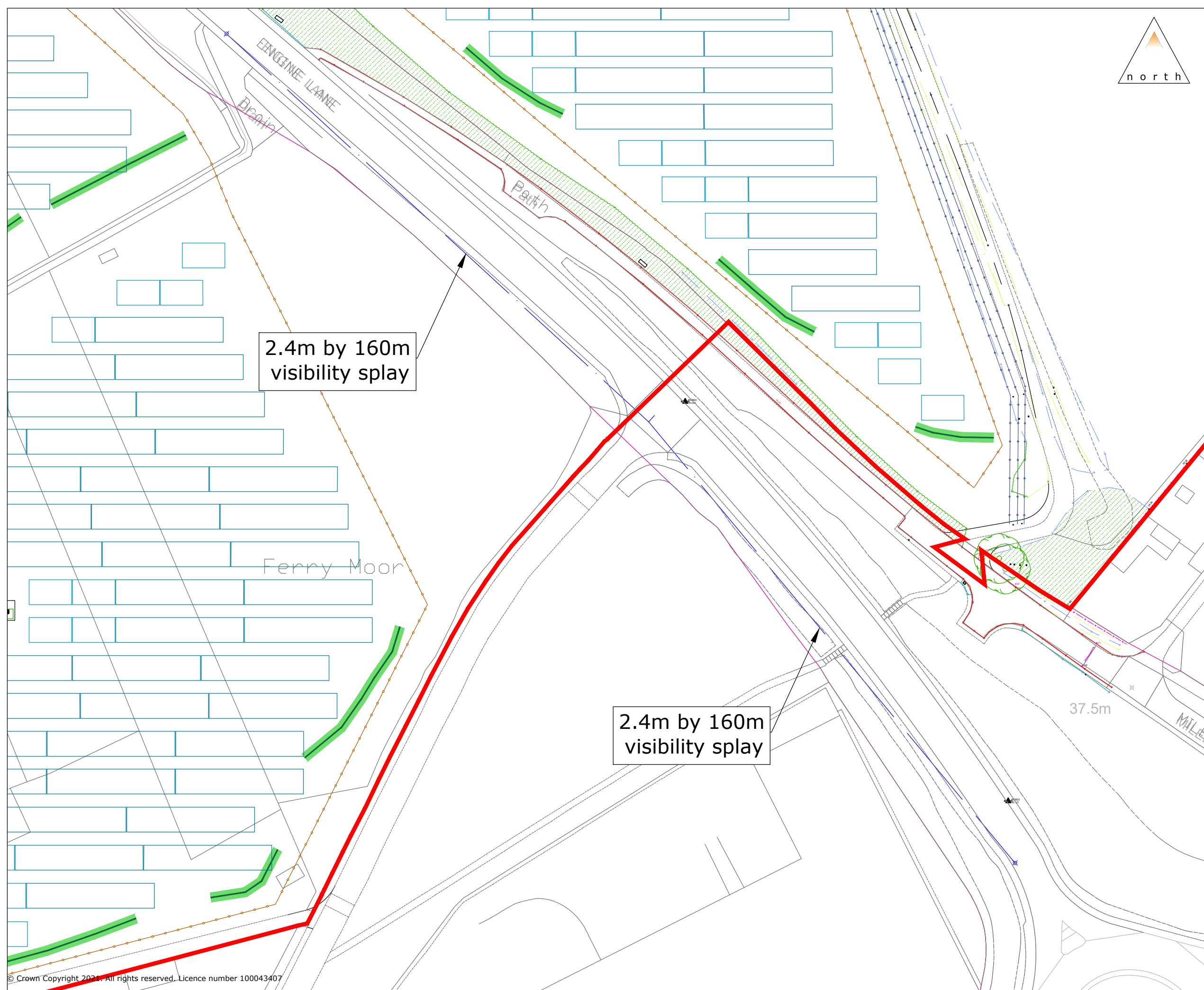
Appendix J

Plot 3/4 – Visibility Splay



Legend:

— Highway Boundary



2.4m by 160m
visibility splay

2.4m by 160m
visibility splay



9 Greysfriars, Reading, Berkshire, RG1 1NU
 T: 0118 206 2930
 Guildford - London - Reading
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Project: Grimethorpe Solar Farm	
Title: Visibility Splay Ferry Moor Lane	
Client: Enviromena	
Drawing Status:	
Scale: 1:1000 (@ A3)	Date: 18/12/2024
Drawn: AN	Checked: JNR
Approved: JNR	
Drawing: 2210073-01	Revision: D