A38 Derby Junctions
TR010022
Volume 2
2.10 Engineering Drawings and Sections

Regulation 5(2)(o) and Regulation 6(2)
Planning Act 2008
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009
April 2019
Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

A38 Derby Junctions
Development Consent Order 202[ ]

Engineering Drawings and Sections

<table>
<thead>
<tr>
<th>Regulation Number</th>
<th>Regulation 5(2)(o) and Regulation 6(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning Inspectorate Scheme Reference</td>
<td>TR010022</td>
</tr>
<tr>
<td>Application Document Reference</td>
<td>2.10</td>
</tr>
<tr>
<td>Author</td>
<td>A38 Derby Junctions Project Team, Highways England</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Status of Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>April 2019</td>
<td>DCO Application</td>
</tr>
</tbody>
</table>
## Schedule of Plans included in this Application Document

<table>
<thead>
<tr>
<th>Drawing Number</th>
<th>Drawing Title</th>
<th>Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR_ZZ-DR-DC-0050</td>
<td>ENGINEERING SECTIONS REGULATION 6(2) SHEET 1 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR_ZZ-DR-DC-0051</td>
<td>ENGINEERING SECTIONS REGULATION 6(2) SHEET 2 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR_ZZ-DR-DC-0052</td>
<td>ENGINEERING SECTIONS REGULATION 6(2) SHEET 3 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR_ZZ-DR-DC-0053</td>
<td>ENGINEERING SECTIONS REGULATION 6(2) SHEET 4 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR_ZZ-DR-DC-0054</td>
<td>ENGINEERING SECTIONS REGULATION 6(2) SHEET 5 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR_ZZ-DR-DC-0055</td>
<td>ENGINEERING SECTIONS REGULATION 6(2) SHEET 6 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR_ZZ-DR-DC-0060</td>
<td>ENGINEERING SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 7 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR_ZZ-DR-DC-0061</td>
<td>ENGINEERING SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 8 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR_ZZ-DR-DC-0062</td>
<td>ENGINEERING SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 9 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR_ZZ-DR-DC-0063</td>
<td>ENGINEERING SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 10 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR_ZZ-DR-DC-0070</td>
<td>STRUCTURES ENGINEERING DRAWINGS &amp; SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 1 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR_ZZ-DR-DC-0071</td>
<td>STRUCTURES ENGINEERING DRAWINGS &amp; SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 2 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR ZZ-DR-DC-0072</td>
<td>STRUCTURES ENGINEERING DRAWINGS &amp; SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 3 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR ZZ-DR-DC-0073</td>
<td>STRUCTURES ENGINEERING DRAWINGS &amp; SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 4 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR ZZ-DR-DC-0074</td>
<td>STRUCTURES ENGINEERING DRAWINGS &amp; SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 5 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR ZZ-DR-DC-0075</td>
<td>STRUCTURES ENGINEERING DRAWINGS &amp; SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 6 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR ZZ-DR-DC-0076</td>
<td>STRUCTURES ENGINEERING DRAWINGS &amp; SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 7 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR ZZ-DR-DC-0077</td>
<td>STRUCTURES ENGINEERING DRAWINGS &amp; SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 8 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR ZZ-DR-DC-0078</td>
<td>STRUCTURES ENGINEERING DRAWINGS &amp; SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 9 OF 10</td>
<td>C01</td>
</tr>
<tr>
<td>HE514503-ACM-DCO-A38_SW_PR ZZ-DR-DC-0079</td>
<td>STRUCTURES ENGINEERING DRAWINGS &amp; SECTIONS REGULATIONS 5(2)(o) &amp; 6(2) SHEET 10 OF 10</td>
<td>C01</td>
</tr>
</tbody>
</table>
Existing Culvert to be Extended

Highway Drainage - Catchment 2
Drainage Lowpoint at CH1285
Surface Water Drains via Slip Road

Highway Drainage - Catchment 3
Drainage Lowpoint at CH1783
Surface Water Drains via Slip Road

Highway Drainage - Catchment 4
Drainage Lowpoint at CH0005
Surface Water Drains via Slip Road

Highway Drainage - Catchment 1
Drainage Lowpoint at CH0005
Surface Water Drains via Slip Road

Design Speed 70mph
Kingway Junction - Northbound Diverge Slip
LONGITUDINAL SECTION
Scale @ A1 - Herts 12500, Vert 15000

Design Speed 60mph
Kingway Junction - Southbound Diverge Slip
LONGITUDINAL SECTION
Scale @ A1 - Herts 12500, Vert 15000

Design Speed 60mph
Kingway Park Circle
LONGITUDINAL SECTION
Scale @ A1 - Herts 12500, Vert 15000

NOTES
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.
2. DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.
3. ALL DIMENSIONS IN METRES, ALL CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.
NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.

2. DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.

3. ALL DIMENSIONS IN METRES, ALL CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.

---

Design Speed 60mph
Markedton Junction - Northbound Diverge Slip
LONGITUDINAL SECTION
Slope @ A1 - Hori 1:2500, Vert 1:500

Design Speed 60mph
Markedton Junction - Southbound Diverge Slip
LONGITUDINAL SECTION
Slope @ A1 - Hori 1:2500, Vert 1:500

---

Highway Drainage - Catchment 7
Drainage Lowpoint at CH2757
Surface Water Drains via Slip Road

Highway Drainage - Catchment 7
Drainage Lowpoint at CH2953
Surface Water Drains via Slip Road
Highway Drainage - Catchment 8
Drainage Lowpoint at CH3355
Surface Water Drains via Slip Road

Highway Drainage - Catchment 13
Drainage Lowpoint at CH7260
Surface Water Drains via Slip Road

Highway Drainage - Catchment 14
Drainage Lowpoint at CH7465
Surface Water Drains via Slip Road

No. 11b Railway Bridge to be Extended
Existing Culvert

Design Speed 60mph
Reduction Junction - Northbound Diverge Slip
LONITUAL SECTION
Scale = AI - Hertz 1/5000, Vert 1/500

Design Speed 70mph
Little Eaton Junction - Northbound Diverge Slip
LONITUAL SECTION
Scale = AI - Hertz 1/5000, Vert 1/500
Highway Drainage - Catchment 12
Drainage Lowpoint at CH7290
Surface Water Drains via Mainline

Design Speed 70kmph
Little Eaton Junction - Southbound Diverge Stp
LAYOUT SECTION
Scale @ A1 Horiz 1:2500, Vert 1:500

Existing Culvert

Proposed Culvert

NOTES
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.
2. DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.
3. ALL DIMENSIONS IN METRES, ALL CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.

No. 11b Railway Bridge to be Extended
Flood Arch to be Extended

Proposed Culvert

Design Speed 70kmph
Little Eaton Junction - Southbound Diverge Stp
LAYOUT SECTION
Scale @ A1 Horiz 1:2500, Vert 1:500

Existing Culvert

Design Speed 60kmph
Little Eaton Junction - Southbound Merge Stp
LAYOUT SECTION
Scale @ A1 Horiz 1:2500, Vert 1:500

Little Eaton Junction - SLTL
LAYOUT SECTION
Scale @ A1 Horiz 1:2500, Vert 1:500

Project Title
Client

GS
LE
GS

15/04/19
60533462
D7

First Issue
First Issue
First Issue
NOTES:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.
2. DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.
3. ALL DIMENSIONS ARE IN METRES, ALL CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PROJECT HEALTH & SAFETY FILE FOR ANY IDENTIFIED POTENTIAL RISKS.

5.7m MIN

Drawing Number
Rev
Plot Date :
File Name :
Highways England PIN
Originator
Volume
Location
Type
Role
Number

THIS DOCUMENT HAS BEEN PREPARED PURSUANT TO AND SUBJECT TO THE TERMS OF AECOM'S APPOINTMENT BY ITS CLIENT. AECOM ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS ORIGINAL CLIENT OR FOLLOWING AECOM'S EXPRESS AGREEMENT TO SUCH USE, AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED.

Date
Approved
Checked
Drawn

Internal Project No.
Drawing Title
Suffix

By
Revision Details

Date
Check

Project Title
Client
Suitability
Scale @ A1
Zone
Purpose of issue

Designed

Highways England
Development Consent Order Number
TR010022
ACM
HES14503 - ACM - DCO - A38 SW PR ZZ - DR-DC-0062 - C01
A38
DERBY JUNCTIONS
ENGINEERING SECTIONS
REGULATIONS 5(2)(o) & 6(2)
SHEET 9 OF 10

A38 North

43m

38m

9m

3.4m

3.4m

2.5m

2.5m

2.5m

2.5m

3.4m

3.4m

2.5m

2.5m

2.5m

2.5m

3.4m

3.4m

2.5m

2.5m

RETAINING WALL

RETAINING WALL

RETAINING WALL

FOOTWAY/CYCLEWAY

FOOTWAY/CYCLEWAY

Figure Title

Page 1 of 1

Date

60533462

15/04/19

16/04/19

17 April 2019 11:06:42

A38 North

43m

38m

9m

3.4m

3.4m

2.5m

2.5m

2.5m

2.5m

3.4m

3.4m

2.5m

2.5m

2.5m

2.5m

3.4m

3.4m

2.5m

2.5m

RETAINING WALL

RETAINING WALL

RETAINING WALL

FOOTWAY/CYCLEWAY

FOOTWAY/CYCLEWAY

Figure Title

Page 1 of 1
NOTES
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.
2. DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.
3. ALL DIMENSIONS ARE IN METRES, ALL CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PROJECT HEALTH & SAFETY FILE FOR ANY IDENTIFIED POTENTIAL RISKS.

Drawing Number
Rev
Plot Date :
File Name :
Highways England PIN
Originator
Volume
Location
Type
Role
Number
GS
LE
SW
GS
DATE
Approved
Checked
Drawn
Revision Details
Date
Check
Suitability
Scale @ A1
Zone
Purpose of issue
Designed
Highways England
DCD Application
B4 6BN
Birmingham
38 Colmore Circus
Two Colmore Square
Floor 5
First Issue
27/03/19
11 April 2019 11:07:01

NOTICE
NOTES:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.
2. DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.
3. ALL DIMENSIONS IN MILLIMETRES, ALL CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.


drewed by Luke M. Evans

Highways England

A38 Northbound
A38 Southbound
Verge
N/B Carriageway
Central Reserve
S/B Carriageway
Verge

43970 Reinforced Concrete Slab
Precast Slab Paving

14 No. Steel Beams
Concrete Safety Barrier
Metal Parapet 1.1m

Surfacing 2m
Footway/Cycleway

Skew Clear Span 27310
Metal Parapet

1.5m

Pilecap
Piles

Plan of Little Eaton Junction West Underbridge.
Scale 1: 500

Elevation
Scale 1: 100

Cross Section A-A
Scale 1: 100

NOTE: THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.
DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.
ALL DIMENSIONS IN MILLIMETRES, ALL CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.