

FIVE MILE LANE IMPROVEMENTS

SUPPLEMENTARY LANDSCAPE INFORMATION

CONFIDENTIAL

AUGUST 2016

FIVE MILE LANE IMPROVEMENTS

SUPPLEMENTARY LANDSCAPE INFORMATION

Vale of Glamorgan

Type of document (version)
Confidential

Project no: 70021703

Date: August 2016

WSP | Parsons Brinckerhoff

1 Capital Quarter

Tyndall Street

Cardiff

CF10 4BZ

Tel: +044 (0) 2920 228966

www.wsp-pb.com

QUALITY MANAGEMENT

ISSUE/REVISION	FIRST ISSUE	REVISION 1	REVISION 2	REVISION 3
Remarks	Draft for circulation to Vale of Glamorgan County Borough Council			
Date	16 th August 2016			
Prepared by	Jo Wall (TACP)			
Signature				
Checked by	Marc Thomas			
Signature				
Authorised by	Marc Thomas			
Signature				
Project number	70021703			
Report number				
File reference				

TABLE OF CONTENTS

1	EXECUTIVE SUMMARY	1
1.1	INTRODUCTION.....	1
2	KEY VIEW 10.....	2
2.1	KEY VIEW 10: VIEW FROM FOOTPATH (L5-25-1) NEAR MOULTON LOOKING NORTH EAST.....	2
3	LISTED BUILDINGS.....	4
4	PHOTOMONTAGES.....	5

APPENDICES

APPENDIX A SUPPLEMENTARY FIGURES

APPENDIX A-1 FIGURE 8.5: SUPPLEMENTARY INFORMATION ZVI AND KEY VIEWS

APPENDIX A-2 FIGURE 8.10: KEY VIEW 10

APPENDIX A-3 FIGURES 8.11A TO 8.11F: PHOTOMONTAGES

1

EXECUTIVE SUMMARY

1.1

INTRODUCTION

BACKGROUND AND PURPOSE OF THIS REPORT

The Vale of Glamorgan submitted a planning application for improvements at Five Mile Lane, Barry (Planning Ref 2016/00305/RG3). In response to this planning application, the Vale of Glamorgan have requested further information to supplement that contained in the Environmental Statement 2016.

This document has been prepared to provide an assessment on the following:

- an additional viewpoint – Key view 10 from a Public Right of Way between the Scheme and Moulton to the west
- clarification with regards to the visual impact on Listed Buildings located within the Zone of Visual Influence (ZVI), and
- the provision of photomontages from six representative viewpoints.

The landscape assessment for Key view 10 follows the same methodology as outlined in the Chapter 8: Landscape of the published Environmental Statement (Parsons Brinckerhoff, February 2016).

The Zone of Visual Influence (ZVI) has been updated to include Key View 10 and this is shown on Figure 8.5: Supplementary Information ZVI and Key Views in Appendix A-1.

2

KEY VIEW 10

2.1

KEY VIEW 10: VIEW FROM FOOTPATH (L5-25-1) NEAR MOULTON LOOKING NORTH EAST

Key View 10 has been selected as the most representative and linear view from the public footpath leading south from Moulton which crosses an area within the ZVI that has a potential view of the scheme. Views from the footpath are very limited due to existing vegetation and landform. Key View 10 was selected as a location where there may be some views towards the proposed Northcliff junction (refer to Figure 8.10 in Appendix A-2).

The view from this location looks out to the northeast across an agricultural field bounded by hedgerows. Views out from the field are limited by a mature hedgerow with a number of significant mature trees. The existing Five Mile Lane is for the most part hidden from view behind existing hedgerows. However intermittent views through the hedge to farm buildings at Grovelands Farm and higher landform around Northcliff junction are possible.

Based on the methodology included in Tables 8.7 to 8.11 of Chapter 8: Landscape of the published Environmental Statement, this view has a Moderate Sensitivity to Change and a Moderate Visual Quality. Receptors include walkers and therefore it has a High Visual Sensitivity.

The existing road is screened from this view by mature vegetation. Some intermittent views may be possible especially in the winter months. The construction of the Scheme may be visible through gaps in the hedgerow. However, these views will be minor due to the distance of the scheme from the viewpoint.

Due to the distance from the Scheme and the existing mature vegetation there will be only minimal views of the Scheme during construction.

The Magnitude of Visual Effect and Significance of Visual Impact during each phase of the Scheme are shown in Tables 1 and 2 using the assessment tables Table 8.12 in the method section of the Environmental Statement 2016 Landscape Chapter.

Table 2: Key view 10: From Footpath FP - L5-25-1 near Moulton looking Northeast – Magnitude of Visual Effect and Impact Significance

PHASE	MAGNITUDE OF VISUAL EFFECT	SIGNIFICANCE OF VISUAL IMPACT
Construction	Minor Adverse	Moderate Adverse
Year 1	No change	None
Year 15 (Winter)	No change	None
Year 15 (Summer)	No change	None

Table 1: Assessment of Visual Impact

RECEPTORS	ASSESSMENT	MITIGATION	MAGNITUDE OF EFFECTS			
			Construction	Year 1	Year 15 winter	Year 15 summer
Key View 10:- Footpath FP - L5-25-1 near Moulton looking North east						
<p>This view is taken from the footpath south of Moulton looking towards the existing A4226. The existing road is screened by hedgerows and mature trees. Some intermittent views are possible through the existing hedgerow to farm buildings at Grovelands Farm.</p> <p>Receptors - Walkers High sensitivity</p> <p>Direction of view – North east</p> <p>Angle of view – approx. 100 degrees direct and partially screened</p> <p>Distance to CL - 563m</p> <p>Existing Visual Quality - Moderate</p>	<p>CONSTRUCTION: During construction there may be some intermittent views to the Scheme at the location of Northcliff Junction. These views will be limited by the mature vegetation to winter months.</p>	<p>Proposed hedgerow planting along western side of the Scheme will help integrate the Scheme into the current woodland within the local landscape and provide improved landscape integration.</p>	Minor Adverse	No change	No change	No change
	<p>OPERATION: Year 1 Once the Scheme is completed views to the road will be unchanged. The Scheme will be predominantly constructed in cutting to the south of Northcliff junction, and no views will be visible.</p> <p>OPERATION: Year 15 Once mitigation hedgerow planting is fully established the Scheme will not be visible.</p>					
	<p>LIGHTING: There will be no impact from street lighting. Car headlights may be visible through the hedgerows mainly in winter. However, headlights on the current road will be greatly reduced.</p>		No change	No change	No change	No change

3 LISTED BUILDINGS

There are seven listed buildings within St Nicolas. Two of these listed buildings are on the South side of the A48 and within the ZVI. These will be unaffected by the Scheme as they are situated on the edge of the ZVI and all views to the Scheme are screened by existing vegetation:

- 13463 St Nicholas Church Hall is a Grade II listed building (Easting 309027, Northing 174259) Located on the south side of the Cardiff Road (A48), opposite Smiths Row.
- 16326 Church Hall House (next to St Nicolas Church Hall) grade II listed building (Easting 309015, Northing 174256) Located on the S side of the Cardiff Road (A48), opposite Smiths Row.

There is a further listed building located at Lidmore, this is again on the periphery of the ZVI. This will be unaffected by the Scheme as all views to the Scheme are screened by existing vegetation:

- 26995 Lidmore Farmhouse is a Grade II listed building (Easting 309220, Northing 170320) Part of a small group of buildings S of Dyffryn, E of Northcliff, including the former Lidmore Mill.

4 PHOTOMONTAGES

In liaison with the Vale of Glamorgan Council, photomontages have been prepared for the following viewpoint locations at both year 1 and year 15, which were considered to be representative viewpoints (refer to Figure 8.11a to 8.11f in Appendix A-3):

- Key View 2 – View from Coed y Cwm Scheduled Ancient Monument
- Key View 3 – View from footpath L5-20-1 Amelia Trust Farm
- Key View 4 – View from unnamed road west of Equestrian Centre
- Key View 5 – View from unnamed road by Northcliffe Cottage
- Key View 7 – View from Millennium Heritage Trail
- Key View 9 – View from Welsh Hawking Centre

It should be noted that the photographs used to prepare the photomontages were taken in Summer (July 2016) and therefore the year 1 views are also related to the summer view rather than the winter view. Computer generated images have been included, where appropriate, the entire model except for any existing or proposed vegetation. This should be viewed in association with the year 1 views to indicate the potential visibility of the Scheme in year 1 winter.

All photographs used in the preparation of the photomontages were taken using a fixed 35mm lens and a tripod, the tripod was set at a level of 1.5m about ground level.

The photo locations are logged in a OS grid reference. The ground model or digital terrain is produced from the highway design software (Bentleys MX) to produce a mesh to which the proposals are merged into. This is then imported into the 3d modelling software where the proposed vegetation, fences, cars etc. are added, this is where cameras are created using the grid coordinated and ground level plus 1.5m.using 3dStudio Max.

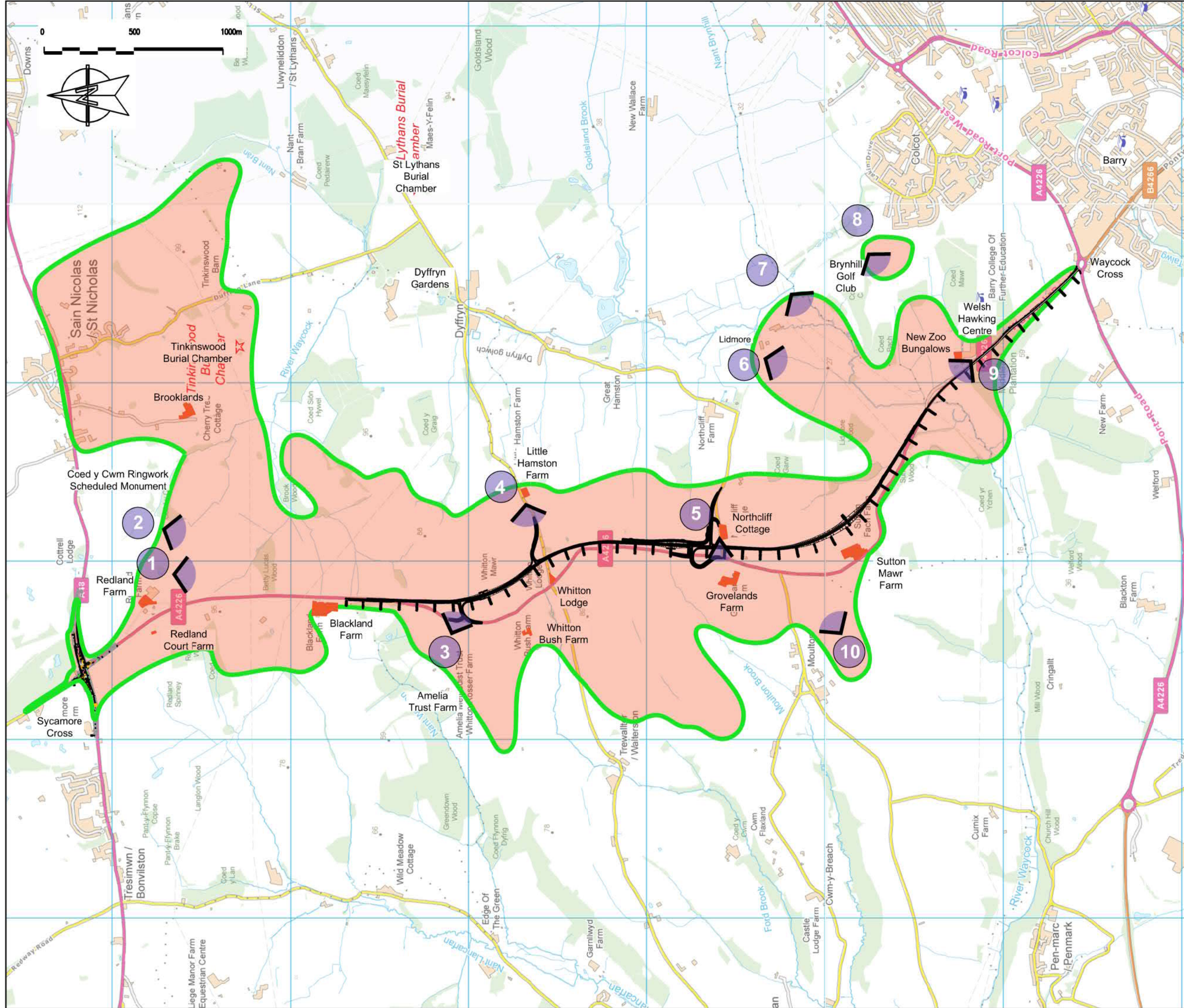
The photos are stitched together using Photoshop. The renders and the photos are then overlaid and “cut into” again using Photoshop.

Appendix A

SUPPLEMENTARY FIGURES

APPENDIX A-1

**FIGURE 8.5: SUPPLEMENTARY INFORMATION ZVI
AND KEY VIEWS**



Key View

Indicative Zone of Visual Influence

Proposed Scheme

Residential Properties

© Crown Copyright and database right 2012. Ordnance Survey 100021874. Welsh Government.
 © Hawfrait a hawliau cronfa ddata'r Goron 2012. Rhif Trwydded yr Arolwg Ordnans 100021874.
 Digital Mapping Solutions from Dotted Eyes Limited © Copyright and Database right 2011

NOTE:
ADDITIONAL INFORMATION
KEY VIEW 10 ADDED 06/07/16

2	06-07-16	KEY VIEW 10 ADDED	EMK	JW	JW
1	16-02-16	KEY VIEW LOCATIONS UPDATED	EMK	JW	JW

Rev	Date	Description	By	Chk	App
-----	------	-------------	----	-----	-----

PARSONS BRINCKERHOFF
 Kings Orchard
 1 Queen Street, Bristol
 BS2 0HQ
 Tel: 44-(0)117-930-6200

Site/Project:
FIVE MILE LANE IMPROVEMENTS

Title:
SUPPLEMENTARY INFORMATION ZVI AND KEY VIEWS

Drawn: SF	Checked: JW
Designed: EMK	Approved: JW
Date: 06/07/16	Scale: 1:20,000 A3 Sheet: 1_OF_1
Project Number: 60654	Drawing Number: 60654/8.5
	Revision: 2

APPENDIX A-2

FIGURE 8.10: KEY VIEW 10



Key view 10
 Distance from scheme centreline: 563m
 Orientation: North-east
 Angle of View: approx. 100 °

Rev	Date	Description	By	Chk	App
-----	------	-------------	----	-----	-----

**PARSONS
BRINCKERHOFF**

Kings Orchard
 1 Queen Street, Bristol
 BS2 0HQ Tel: 44-(0)117-930-6200

Client:

Site/Project:
 FIVE MILE LANE
 IMPROVEMENTS

Title:
 SUPPLEMENTARY INFORMATION
 KEY VIEW 10

Drawn: EMK Checked: JW

Designed: EMK Approved: JW

Date: 15/08/2016 Scale: NTS A3 Sheet: 3_OF_6

Project Number: Drawing Number: Revision:

60654 60654/8.10

APPENDIX A-3

FIGURES 8.11A TO 8.11F: PHOTOMONTAGES



View 2: Year 1



View 2: Year 1 showing no existing or proposed vegetation.



View 2: Year 15

Rev	Date	Description	By	Chk	App
-----	------	-------------	----	-----	-----

**PARSONS
BRINCKERHOFF**

Kings Orchard
1 Queen Street, Bristol
BS2 0HQ Tel: 44-(0)117-930-6200

Client:

Site/Project:

FIVE MILE LANE
IMPROVEMENTS

Title:

SUPPLEMENTARY INFORMATION
PHOTOMONTAGES
VIEW 2 YR 1 & 15

Drawn: EMK Checked: JW

Designed: EMK Approved: JW

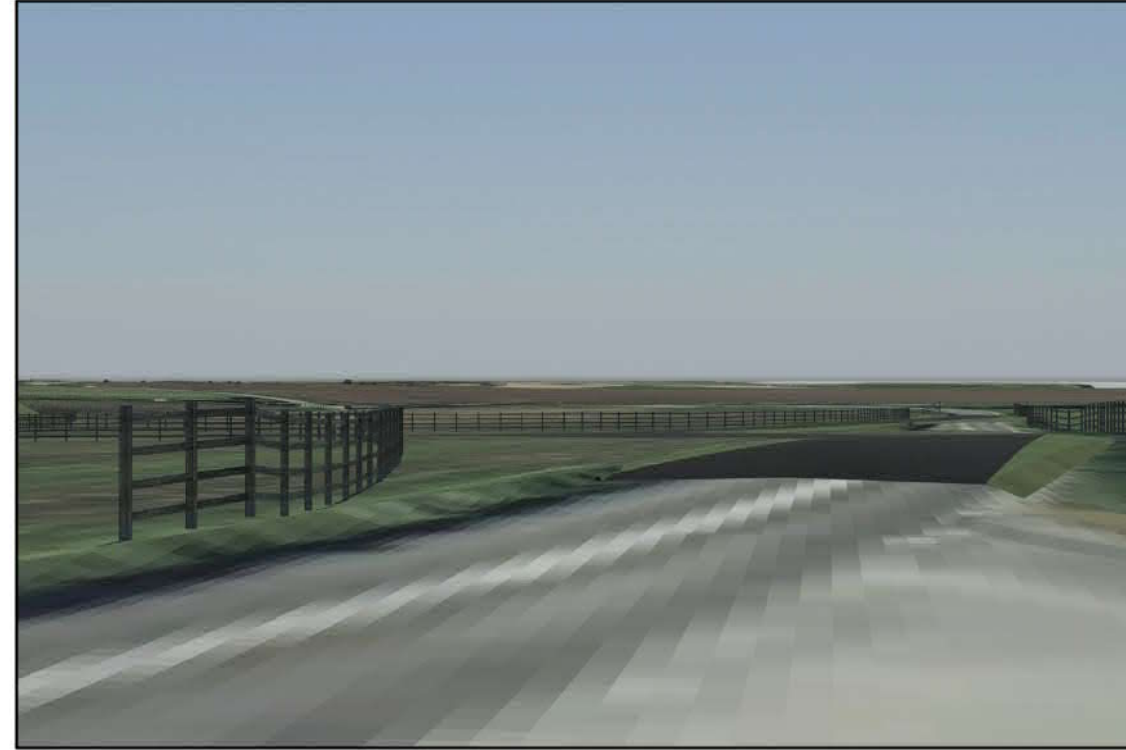
Date: 16/08/2016 Scale: NTS A3 Sheet: 1_OF_6

Project Number: Drawing Number: Revision:

60654 60654/8.11A



View 3: Year 1



View 3: Year 1 showing no existing or proposed vegetation



View 3: Year 15

Rev	Date	Description	By	Chk	App
-----	------	-------------	----	-----	-----

**PARSONS
BRINCKERHOFF**

Kings Orchard
1 Queen Street, Bristol
BS2 0HQ Tel: 44-(0)117-930-6200

Client:

Site/Project:

FIVE MILE LANE
IMPROVEMENTS

Title:

SUPPLEMENTARY INFORMATION
PHOTOMONTAGES
VIEW 3 YR 1 & 15

Drawn: EMK Checked: JW

Designed: EMK Approved: JW

Date: 16/08/2016 Scale: NTS A3 Sheet: 2_OF_6

Project Number: Drawing Number: Revision:

60654 60654/8.11B



View 4: Year 1



View 4: Year 1 showing no existing or proposed vegetation



View 4: Year 15

Rev	Date	Description	By	Chk	App

**PARSONS
BRINCKERHOFF**

Kings Orchard
1 Queen Street, Bristol
BS2 0HQ Tel: 44-(0)117-930-6200

Client:

Site/Project:

FIVE MILE LANE
IMPROVEMENTS

Title:

SUPPLEMENTARY INFORMATION
PHOTOMONTAGES
VIEW 4 YR 1 & 15

Drawn: EMK Checked: JW

Designed: EMK Approved: JW

Date: 16/08/2016 Scale: NTS A3 Sheet: 3_OF_6

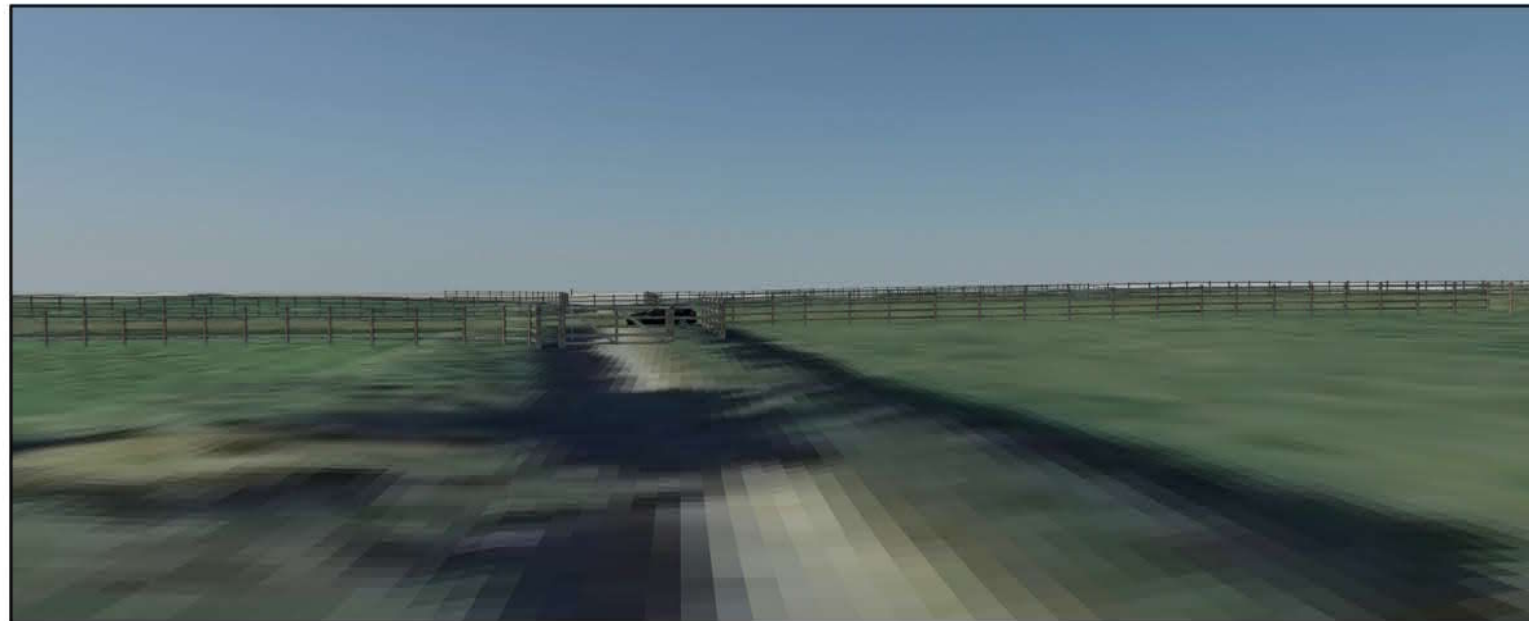
Project Number: Drawing Number: Revision:

60654 60654/8.11C

© Copyright Parsons Brinckerhoff



View 5: Year 1



View 5: Year 1 showing no existing or proposed vegetation



View 5: Year 15

Rev	Date	Description	By	Chk	App
-----	------	-------------	----	-----	-----

**PARSONS
BRINCKERHOFF**

Kings Orchard
1 Queen Street, Bristol
BS2 0HQ

Tel: 44-(0)117-930-6200

Client:

Site/Project:

FIVE MILE LANE
IMPROVEMENTS

Title:

SUPPLEMENTARY INFORMATION
PHOTOMONTAGES
VIEW 5 YR 1 & 15

Drawn: EMK Checked: JW

Designed: EMK Approved: JW

Date: 16/08/2016 Scale: NTS A3 Sheet: 4 OF 6

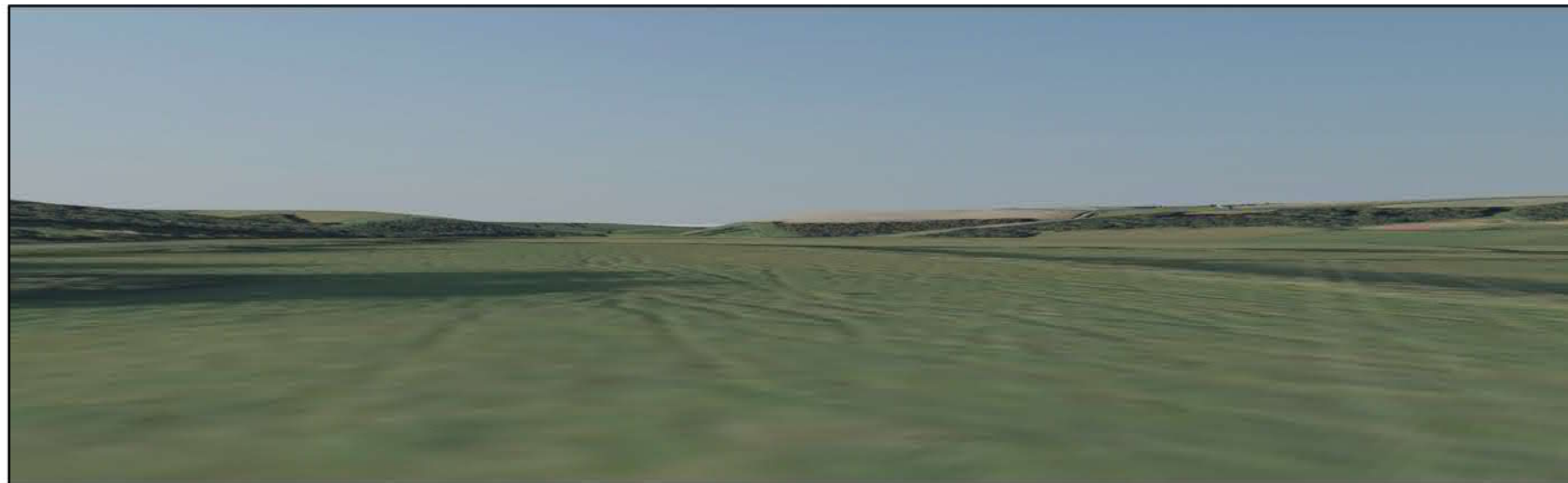
Project Number: Drawing Number: Revision:

60654

60654/8.11D



View 7: Year 1



View 7: Year 1 showing no existing or proposed vegetation



View 7: Year 15

Rev	Date	Description	By	Chk	App

**PARSONS
BRINCKERHOFF**

Kings Orchard
1 Queen Street, Bristol
BS2 0HQ Tel: 44-(0)117-930-6200

Client:

Site/Project:

FIVE MILE LANE
IMPROVEMENTS

Title:

SUPPLEMENTARY INFORMATION
PHOTOMONTAGES
VIEW 7 YR 1 & 15

Drawn: EMK Checked: JW

Designed: EMK Approved: JW

Date: 16/08/2016 Scale: NTS A3 Sheet: 5 OF 6

Project Number: Drawing Number: Revision:

60654 60654/8.11E



View 9: Year 1



View 9: Year 1 showing no existing or proposed vegetation



View 9: Year 15

Rev	Date	Description	By	Chk	App
-----	------	-------------	----	-----	-----

**PARSONS
BRINCKERHOFF**

Kings Orchard
1 Queen Street, Bristol
BS2 0HQ Tel: 44-(0)117-930-6200

Client:

Site/Project:
**FIVE MILE LANE
IMPROVEMENTS**

Title:
**SUPPLEMENTARY INFORMATION
PHOTOMONTAGES
VIEW 9 YR 1 & 15**

Drawn: EMK	Checked: JW
Designed: EMK	Approved: JW
Date: 16/08/2016	Scale: NTS A3 Sheet: 6 OF 6
Project Number:	Drawing Number:

60654	60654/8.11F
-------	-------------