

APA Technical Note - Western Outer Ring Main - Environment Effects Statement

TECHNICAL NOTE NUMBER: TN 09

DATE: 03 September 2021

SUBJECT: Landscape and Visual – Mainline valve site design amendments

SUMMARY This Technical Note is to respond to design amendments which have occurred following the exhibition of the Western outer Ring Main (WORM) Environment Effects Statement (EES) and relates to two of the three mainline valve (MLV) sites.

ATTACHMENTS: Annexure 1 – Design Amendment MLV Site 2 Plan, dated 31 August 2021

Annexure 2 - Revised Photomontages (viewpoint 12), dated 10 May 2021 and Revised Photomontages (viewpoint 09), dated 01 September 2021

NOTE:

Background

- 1 The Environment Effects Statement (EES) prepared for the Western Outer Ring Main Project (the Project) assesses the design and construction of the Project, which is outlined in EES Chapter 4 Project Description and depicted in the EES Map Book.
- 2 This Technical Note has been prepared to respond to design amendments which have occurred following the exhibition of the EES and which relate to two mainline valve (MLV) sites. The changes include:
 - Raising of MLV site 2 by 300 mm to avoid the potential for erosion and relocating the whole MLV site by approximately 35 meters south of the location assessed in the EES. This relocation reduces the distance travelled over the private property to access the MLV site, reducing the impact to the landowner.
 - The construction footprint across Oaklands Road has been reduced, resulting in a benefit of retaining screening vegetation when compared with the EES, which increases the visual screening to MLV site 2.
 - Raising of the MLV site 3 by 1 metre to implement necessary drainage requirements at the site.

Response

- 3 The design amendments for the two MLV sites have been considered and compared to the design assessed in the EES and detailed in Technical Report J *Landscape and Visual*. It is considered that the design amendments would have a negligible change to the assessment of the MLV sites in Technical Report J.
- 4 The design amendments discussed in this Technical Note are located within the construction footprint assessed in the EES and therefore no other technical assessments are considered to be required for the MLV design amendments.

- 5 This report should be read in conjunction with EES Technical Report J *Landscape and visual* of the WORM EES and is subject to the same limitations as stated in the Technical Report.

MLV2

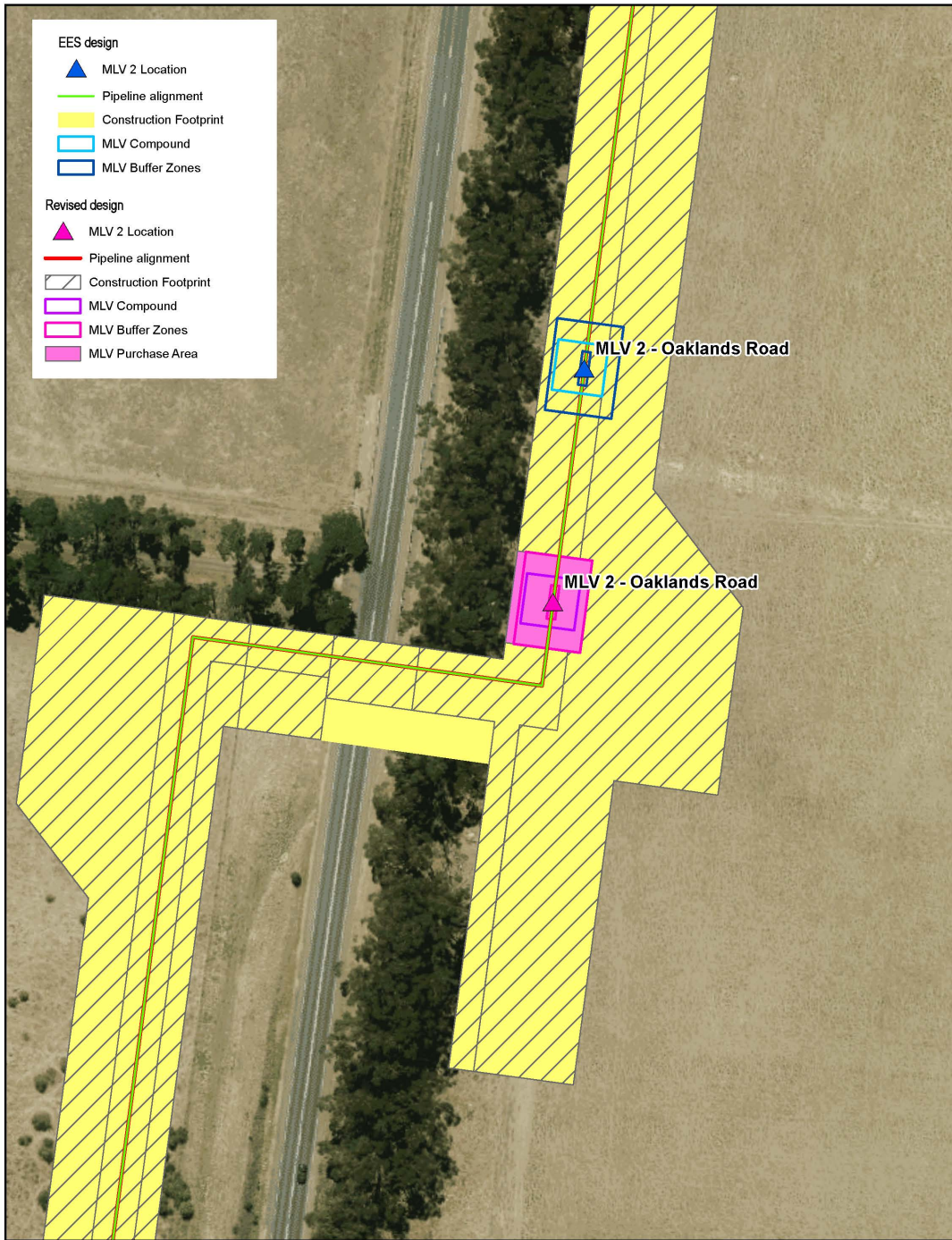
- 6 The visual effects of MLV site 2 were considered in the EES from viewpoint 09 Oaklands Road. The MLV site 2 would be located approximately 35 metres south of the location assessed, and therefore would be visible further away towards the right of view within viewpoint 09 Oaklands Road. The MLV site 2 revision would be a similar distance from the roadway and the material change to raise the MLV 300 mm would be an imperceptible change to the current assessment. There would be no discernible change to the visual effects of MLV site 2 considered under the EES. The road crossing was not included within the EES photomontages as the focus was on the visibility of the MLV structure. The vegetation clearing was discussed within the viewpoint 09 assessment (table 30). Refer to Annexure 1 below for a map showing the location of the proposed MLV2 assessed in the EES, compared to the new location of MLV2.
- 7 The design amendment includes a reduction of the construction footprint across Oaklands Road and through the tree line, which would reduce the anticipated impact on the trees along Oakland Road. The relocation is within the same property boundary.
- 8 The design amendment would have no anticipated change to the size of the MLV site or fence height within the visual assessment. The design amendment would reduce the anticipated impact on the tree line along Oakland Rd from the proposed reduction of construction footprint across Oaklands Road and through the tree line. However, the change would not be considered discernible to the current magnitude of change and rating within the visual assessment.

MLV3

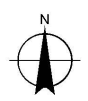
- 9 The visual effect of MLV site 3 was considered in the EES from viewpoint 12 Gunns Gully Road. To assess the design amendment the photomontage for viewpoint 12 has been revised and is provided in Attachment A. When compared with the MLV site assessed in the EES, it is considered that the design amendment would not change the magnitude of visual impact when seen from viewpoint 12 Gunns Gully Road. Therefore, the assessment in the EES for this site remains unchanged.

Annexure 1

MLV Site 2 Design Amendment



Paper Size: ISO A4
 0 0.01 0.02 0.03 0.04
 Kilometers
 Map Projection: Mercator Auxiliary Sphere
 Horizontal Datum: WGS 1984
 Grid: WGS 1984 Web Mercator Auxiliary Sphere



APA
 Western Outer Main Gas Project

Project No. 31/08/2021
 Revision No. -
 Date 12529997

Comparison of new MLV2 location

FIGURE 1

N:\AU\Melbourne\Projects\3111252997\GIS\Maps\Working\12529997_Rev7_Rev9_Comparison_A4P_RevA.mxd
 © 2021. Whilst every care has been taken to prepare this map, GHD (and DATA CUSTODIAN) make no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and cannot accept liability and responsibility of any kind (whether in contract, tort or otherwise) for any expenses, losses, damages and/or costs (including indirect or consequential damage) which are or may be incurred by any party as a result of the map being inaccurate, incomplete or unsuitable in any way and for any reason.
 Data source: Data Custodian, Data Set Name/Title, Version/Date. Created by:sacevedo

Annexure 2

Revised Photomontages (viewpoint 12, MLV3), dated 10 May 2021

Revised Photomontages (viewpoint 09, MLV2), dated 01 September 2021

Original Photomontage (EES Technical Report J, Appendix A)

EXISTING VIEW



The photos that were used in viewpoint 13 were supplied by the client due to travel restrictions in place because of COVID-19.

PROPOSED DESIGN



The photographs were taken with an Ipad 6th generation. It does not conform to standard photomontage methodology.

KEY PLAN



View Direction:	211° - 291°	Location:	Gunns Gully Road, Mickleham, Victoria	Western Outer Ring Main Gas Pipeline APA Group
Horizontal Field Of View:	80°	Coordinates:	31064, 5846708 (GDA 1994 MGA Zone 55)	Viewpoint 13 : Gunns Gully Road
Camera Height:	1.7 m	Viewpoint Elevation:	235 m	 GHD Pty Ltd Level 8, 180 Lonsdale Street Melbourne VIC 3000 T 61 3 8887 8000 E melmail@ghd.com.au W www.ghd.com
Camera Type:	Ipad 6th Generation	Date of Photomontage:	11 th September 2020	
Lens Type:	31 mm	Issue:	v01	
Photograph Time & Date:	10:36, 13 th August 2020			

¹ Note the original EES photomontage had an error in the title block. The correct viewpoint reference number is 12. This has been corrected in the revised version of the photomontage below.

Revised Photomontages (viewpoint 12, MLV3), dated 10 May 2021

EXISTING VIEW



The photos that were used in viewpoint 13 were supplied by the client due to travel restrictions in place because of COVID-19.

PROPOSED DESIGN



The photographs were taken with an Ipad 6th generation. It does not conform to standard photomontage methodology.

KEY PLAN



<p>View Direction: 211° - 291°</p> <p>Horizontal Field Of View: 80°</p> <p>Camera Height: 1.7 m</p> <p>Camera Type: Ipad 6th Generation</p> <p>Lens Type: 31 mm</p> <p>Photograph Time & Date: 10:36, 13th August 2020</p>	<p>Location: Gunns Gully Road, Mickelham, Victoria</p> <p>Coordinates: 31664, 5846708 (GDA 1994 MGA Zone 55)</p> <p>Viewpoint Elevation: 235 m</p> <p>Date of Photomontage: 10th May 2021</p> <p>Issue: v02</p>	<p>Western Outer Ring Main Gas Pipeline APA Group</p> <p>Viewpoint 12 : Gunns Gully Road</p> <p>GHD Pty Ltd Level 8, 180 Lonsdale Street Melbourne VIC 3000 T 61 3 8687 8000 E melmail@ghd.com.au W www.ghd.com</p>
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Original Photomontage (EES Technical Report J, Appendix A)

EXISTING VIEW



PROPOSED DESIGN



KEY PLAN



View Direction: 78° - 158°
 Horizontal Field Of View: 80°
 Camera Height: 1.7 m
 Camera Type: Cannon EOS 6D
 Lens Type: 50 mm
 Photograph Time & Date: 15:46, 17th June 2020

Location: Oaklands Road, Oaklands Junction, Victoria 309542, 5837226 (GDA 1994 MGA Zone 55)
 Coordinates:
 Viewpoint Elevation: 236 m
 Date of Photomontage: 10th May 2021
 Issue: v02

Western Outer Ring Main Gas Pipeline
APA Group
Viewpoint 09A : Oaklands Road
 **GHD Pty Ltd**
 Level 6, 180 Lonsdale Street
 Melbourne VIC 3000
 T 61 3 8687 8000 E metrial@ghd.com.au W www.ghd.com

Revised Photomontages (viewpoint 09, MLV2), dated 01 September 2021



EXISTING VIEW



PROPOSED DESIGN



KEY PLAN

<p>View Direction: 79° - 158° Horizontal Field Of View: 80° Camera Height: 1.7 m Camera Type: Cannon EOS 8D Lens Type: 50 mm Photograph Time & Date: 15:46, 17th June 2020</p>	<p>Location: Oaklands Road, Oaklands Junction, Victoria Coordinates: 309542, 5837226 (GDA 1994 MGA Zone 55) Viewpoint Elevation: 236 m Date of Photomontage: 1st September 2021 Issue: v03</p>	<p>Western Outer Ring Main Gas Pipeline APA Group Viewpoint 09A : Oaklands Road</p> <p>GHD GHD Pty Ltd Level 5, 190 Lonsdale Street Melbourne VIC 3000 T 61 3 8687 8000 E melmal@ghd.com.au W www.ghd.com</p>
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