



Kildare County Council
Comhairle Contae Chill Dara

JACOBS

Kerdiffstown Landfill Remediation Project

Kildare County Council

Environmental Impact Assessment Report (EIAR) Volume 3 of 4: Figures

32EW5604 DOC 0055 | Final

August 2017



Figure List

Chapter	Figure Number	Figure Title
Chapter 3 The Need for the Proposed Project	3.1	Site Location
	3.2	Existing Site Layout
	3.3	Aerial Overview February 2016
	3.4	Location of Key Residential and Commercial Receptors within 1km of the Site
Chapter 4 Description of the Proposed Project	4.1	Existing Site Condition
	4.2	Re-Profiled Site Contours for the Proposed Project
	4.3	Isopachytes - Existing Ground Levels to Proposed Re-Profiled Site Contours
	4.4	Remediation Contours for the Proposed Project
	4.5	Post Settlement Contours for the Proposed Project
	4.6	Cross Sections for the Proposed Project (Sheet 1 of 2)
	4.7	Cross Sections for the Proposed Project (Sheet 2 of 2)
	4.8	Outline Remediation Phasing (Sheet 1 of 2)
	4.9	Outline Remediation Phasing (Sheet 2 of 2)
	4.10	New Site Access Proposed Road Layout
	4.11	New Site Access Proposed Pedestrian Access and Cycleway for the Proposed Project
	4.12	Site Access for the Proposed Project
	4.13	Landfill Infrastructure Compound for the Proposed Project - Layout and Elevation
	4.14	Leachate Management Building - Layout and Elevations
	4.15	Site Office Building - Layout and Elevation
	4.16	Outline Leachate Management Plan for the Proposed Project
	4.17	Leachate Management for the Proposed Project - Pipeline Route and Long Section
	4.18	Outline Landfill Gas Management Plan for the Proposed Project
	4.19	Surface Water Management for the Proposed Project - Outline Drainage Layout
	4.20	Landscape Masterplan for the Proposed Project
4.21	Changing Rooms Building for the Proposed Project	
4.22	Sewage Drainage for the Proposed Project Plan and Typical Details	
Chapter 7 Air Quality and Odour	7.1	Location of Key Residential and Commercial Receptors within 150m of the Site
	7.2	Air Quality Monitoring Locations
	7.3	Isopleth Showing the Predicted 90.4 Percentile of 24- Hour Ground Level Concentration of PM ₁₀ as a Result of Emissions from the Existing 250m ³ Flare During the Remediation Phase
	7.4	Isopleth Showing the Predicted Annual Mean Ground Level Concentration of PM ₁₀ as a Result of Emissions from the Existing 250m ³ Flare During the Remediation Phase
	7.5	Isopleth Showing the Predicted Annual Mean Ground Level Concentration of PM _{2.5} as a Result of Emissions from the Existing 250m ³ Flare During the Remediation Phase
	7.6	Isopleth Showing the Predicted 99.7 Percentile of 1-Hour Ground Level Concentration of SO ₂ as a Result of Emissions from the Existing 250m ³ Flare During the Remediation Phase
	7.7	Isopleth Showing the Predicted 99.2 Percentile of 24-Hour Ground Level Concentration of SO ₂ as a Result of Emissions from the Existing 250m ³ Flare During the Remediation Phase
	7.8	Isopleth Showing the Predicted Annual Mean Ground Level Concentration of SO ₂ as a Result of Emissions from the Existing 250m ³ Flare During the Remediation Phase
	7.9	Isopleth Showing the Predicted 99.8 Percentile of 1-Hour Ground Level Concentration of NO ₂ as a Result of Emissions from the Existing 250m ³ Flare During the Remediation Phase
	7.10	Isopleth Showing the Predicted Annual Mean Ground Level Concentration of NO ₂ as a Result of Emissions from the Existing 250m ³ Flare During the Remediation Phase
	7.11	Isopleth Showing the Predicted Annual Mean Ground Level Concentration of NO _x as a Result of Emissions from the Existing 250m ³ Flare During the Remediation Phase
	7.12	Isopleth Showing the Predicted 98 Percentile of 1-Hour Ground Level Concentration of SO ₂ as a Result of Emissions from the Existing 250m ³ Flare During the Remediation Phase
	7.13	Isopleth Showing the Predicted 98 Percentile of 1-Hour Ground Level Concentration of H ₂ S as a Result of Emissions from the Existing 250m ³ Flare During the Remediation Phase
	7.14	Isopleth Showing the Predicted 90.4 Percentile of 24-Hour Ground Level Concentration of PM ₁₀ as a Result of Emissions from the Proposed 600m ³ Flare During the Operation Phase
	7.15	Isopleth Showing the Predicted Annual Mean Ground Level Concentration of PM ₁₀ as a Result of Emissions from the Proposed 600m ³ Flare During the Operation Phase
	7.16	Isopleth Showing the Predicted Annual Mean Ground Level Concentration of PM _{2.5} as a Result of Emissions from the Proposed 600m ³ Flare During the Operation Phase
	7.17	Isopleth Showing the Predicted 99.7 Percentile of 1-Hour Ground Level Concentration of SO ₂ as a Result of Emissions from the Proposed 600m ³ Flare During the Operation Phase
	7.18	Isopleth Showing the Predicted 99.2 Percentile of 24-Hour Ground Level Concentration of SO ₂ as a Result of Emissions from the Proposed 600m ³ Flare During the Operation Phase
	7.19	Isopleth Showing the Predicted Annual Mean Ground Level Concentration of SO ₂ as a Result of Emissions from the Proposed 600m ³ Flare During the Operation Phase
	7.20	Isopleth Showing the Predicted 99.8 Percentile of 1-Hour Ground Level Concentration of NO ₂ as a Result of Emissions from the Proposed 600m ³ Flare During the Operation Phase
	7.21	Isopleth Showing the Predicted Annual Mean Ground Level Concentration of NO ₂ as a Result of Emissions from the Proposed 600m ³ Flare During the Operation Phase
	7.22	Isopleth Showing the Predicted Annual Mean Ground Level Concentration of NO _x as a Result of Emissions from the Proposed 600m ³ Flare During the Operation Phase
	7.23	Isopleth Showing the Predicted 98 Percentile of 1-Hour Ground Level Concentration of SO ₂ as a Result of Emissions from the Proposed 600m ³ Flare During the Operation Phase
	7.24	Isopleth Showing the Predicted 98 Percentile of 1-Hour Ground Level Concentration of H ₂ S as a Result of Emissions from the Proposed 600m ³ Flare During the Operation Phase
Chapter 8 Noise and Vibration	8.1	Noise and Vibration Monitoring Locations
	8.2	Temporary Acoustic Screen Locations
	8.3	Calculated Noise Contours for Phase 1 On-Site Remediation Works (No Acoustic Reinforcement in Place)
	8.4	Calculated Noise Contours for Phase 1 On-Site Remediation Works
	8.5	Calculated Noise Contours for Phase 2 On-Site Remediation Works
	8.6	Calculated Noise Contours for Phase 3 On-Site Remediation Works
	8.7	Calculated Noise Contours for Phase 4 On-Site Remediation Works

Chapter	Figure Number	Figure Title
	8.8	Calculated Noise Contours for Phase 5 On-Site Remediation Works
	8.9	Calculated Noise Contours for Phase 6 On-Site Remediation Works
	8.10	Calculated Noise Contours for Phase 7 On-Site Remediation Works
	8.11	Calculated Noise Contours for Phase 8 On-Site Remediation Works
	8.12	Calculated Noise Contours for Operational Phase 1 (Daytime)
	8.13	Calculated Noise Contours for Operational Phase 1 (Evening Time and Night-Time)
	Chapter 9 Landscape and Visual	9.1
9.2		Landscape Character Areas (LCA) - Kildare County Development Plan 2017 - 2023
9.3		Landscape and Visual Assessment Viewpoint Locations
Chapter 10 Archaeology, Architectural Heritage and Cultural Heritage	10.1	Recorded Archaeological and Architectural Sites
Chapter 11 Biodiversity	11.1	Fauna Survey Map
	11.2	Bat Survey Locations
	11.3	Ecological Designated Sites
	11.4	Habitat Map
	11.5	Breeding Birds
	11.6	Ecological Mitigation and Enhancements
Chapter 12 Soils, Geology, Contaminated Land and Groundwater	12.1	Geology, Soils, Contaminated Land and Groundwater Study Area
	12.2	Ground Investigation Locations at Existing Site
	12.3	Geological Cross Sections
	12.4	Waste Basal Contours
	12.5	Waste Thickness
	12.6	Regional Geology - Overburden
	12.7	Regional Geology - Bedrock
	12.8	Bedrock Elevation
	12.9	Depth to Bedrock
	12.10	Aquifer Classification
	12.11	Groundwater Vulnerability
	12.12	Location of Groundwater Monitoring Wells
	12.13	Groundwater Levels - Overburden
	12.14	Groundwater Levels - Bedrock
	12.15	Saturated Waste Thickness and Areas of Saturated Waste
	12.16	Distribution of Ammoniacal Nitrogen (December 2016)
	12.17	Distribution of Chloride (December 2016)
	12.18	Distribution of Phenol (December 2016)
	12.19	Distribution of Mecoprop (December 2016)
	12.20	Distribution of Ammoniacal Nitrogen (February 2017)
	12.21	Distribution of Chloride (February 2017)
	12.22	Distribution of Total Phenol (February 2017)
	12.23	Groundwater Mecoprop Distribution (February 2017)
	12.24	Hydrogeology Conceptual Site Model (Zone 1)
	12.25	Hydrogeology Conceptual Site Model (Zone 2)
	12.26	Hydrogeology Conceptual Site Model (Zone 3)
	12.27	Hydrogeology Conceptual Site Model (Zone 4)
	12.28	Landfill Gas Management Conceptual Site Model (Zone 1)
	12.29	Landfill Gas Management Conceptual Site Model (Zone 2)
	12.30	Landfill Gas Management Conceptual Site Model (Zone 3)
	12.31	Landfill Gas Management Conceptual Site Model (Zone 4)
	12.32	Landfill Gas Management Receptors
Chapter 13 Water - Hydrology	13.1	Hydrological Catchments/ Sub-catchments
	13.2	Surface Water Quality Monitoring Locations and Watercourses
Chapter 14 Traffic and Transport	14.1	Local Road Network and Automatic Traffic Count Locations
Chapter 17 Material Assets	17.1	Existing Utilities

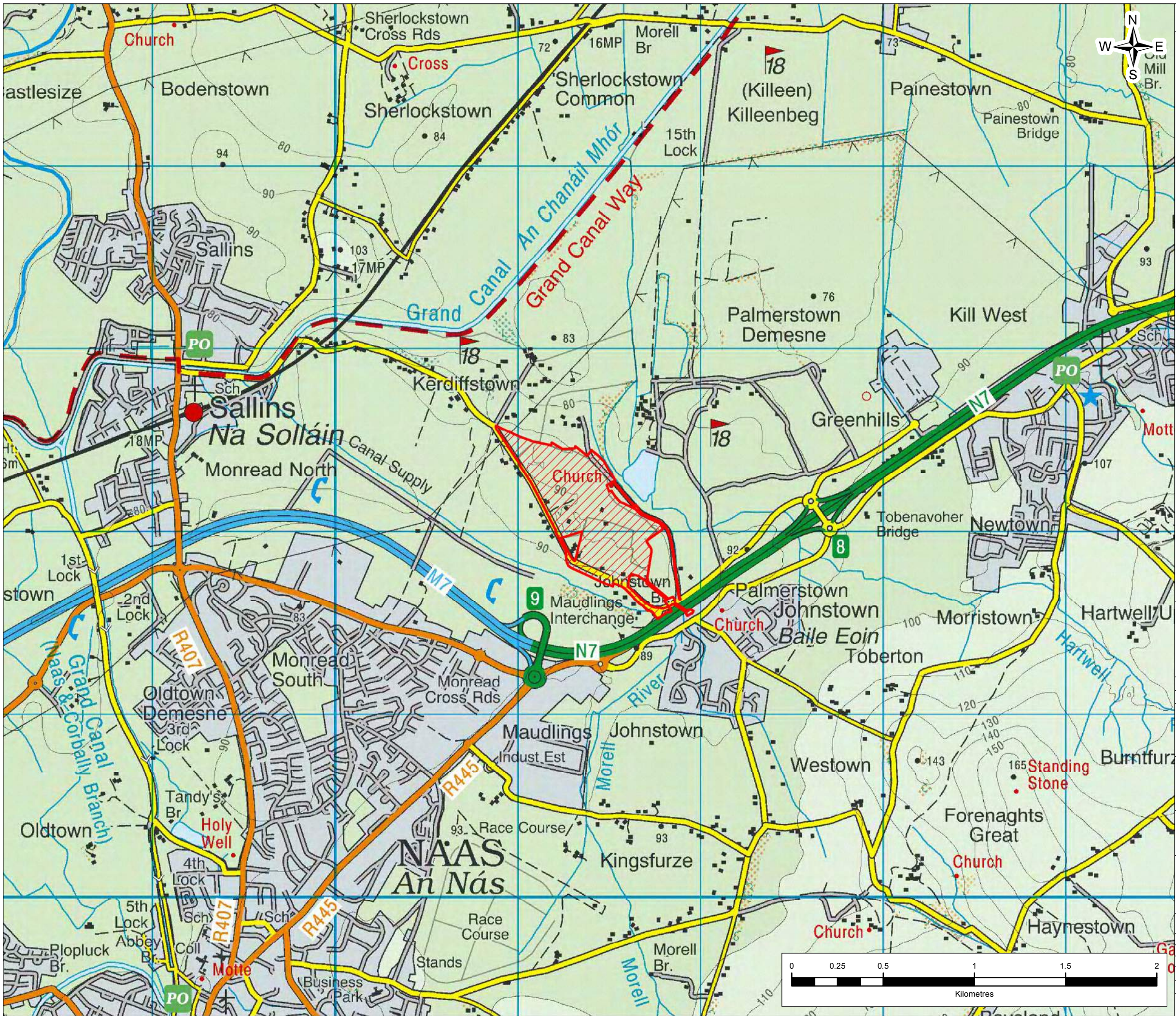


FIGURE 3.1



Legend

 Site Location

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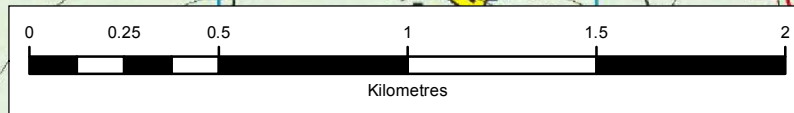
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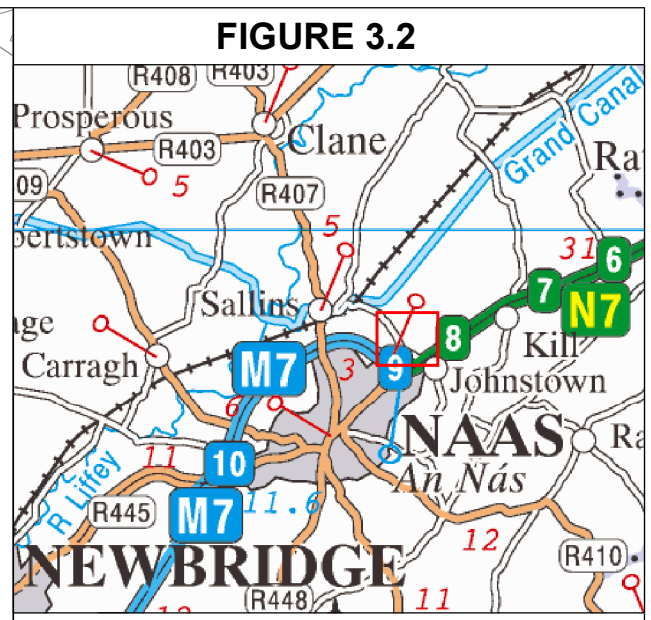
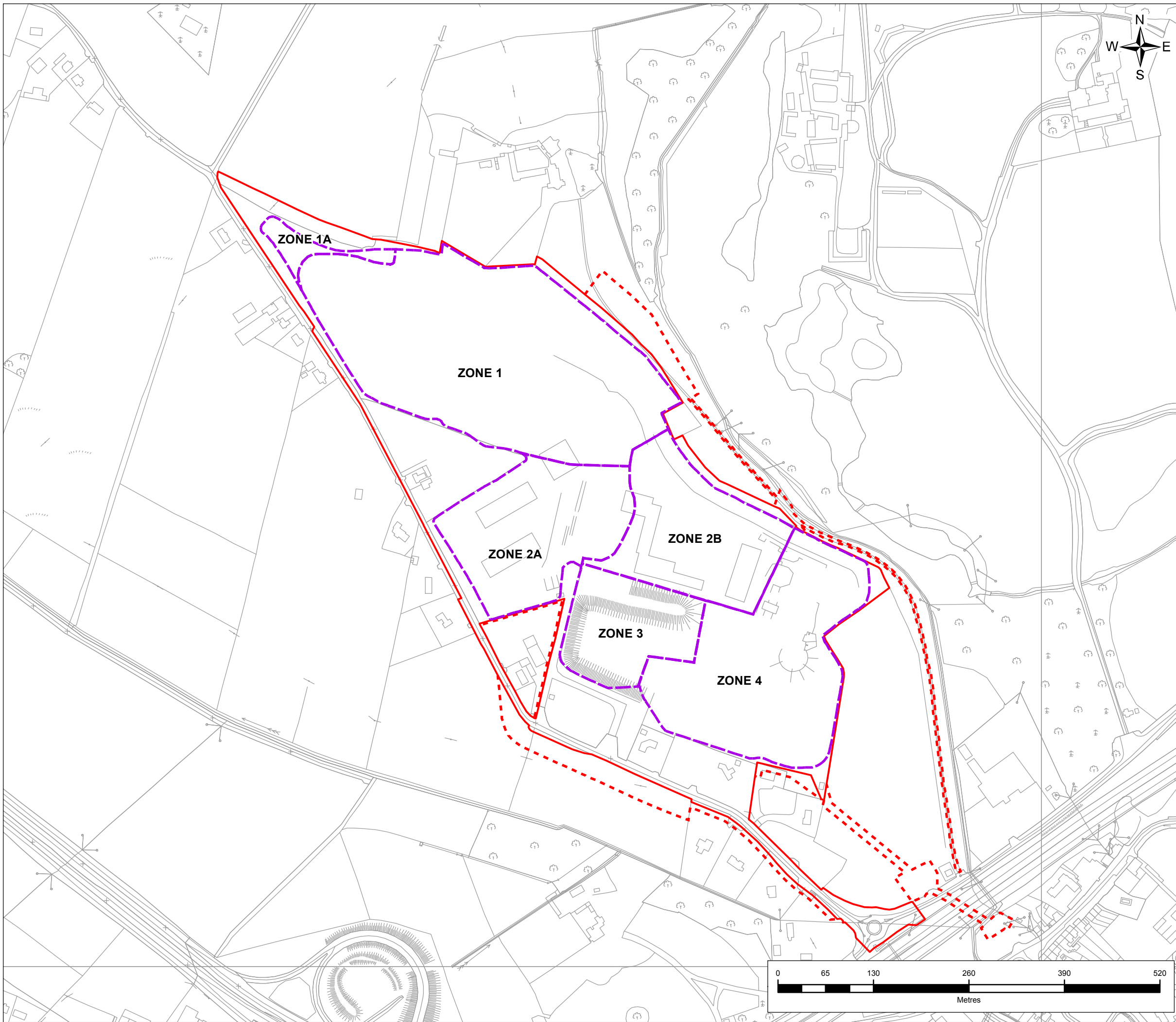
Drawing Title **FIGURE 3.1 - SITE LOCATION**

Drawing Status **EIAR SUBMISSION**

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Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Indicative Zone Boundary

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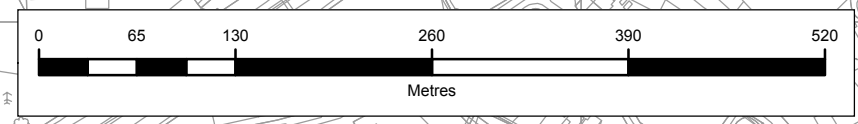
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FIGURE 3.2 - EXISTING SITE LAYOUT

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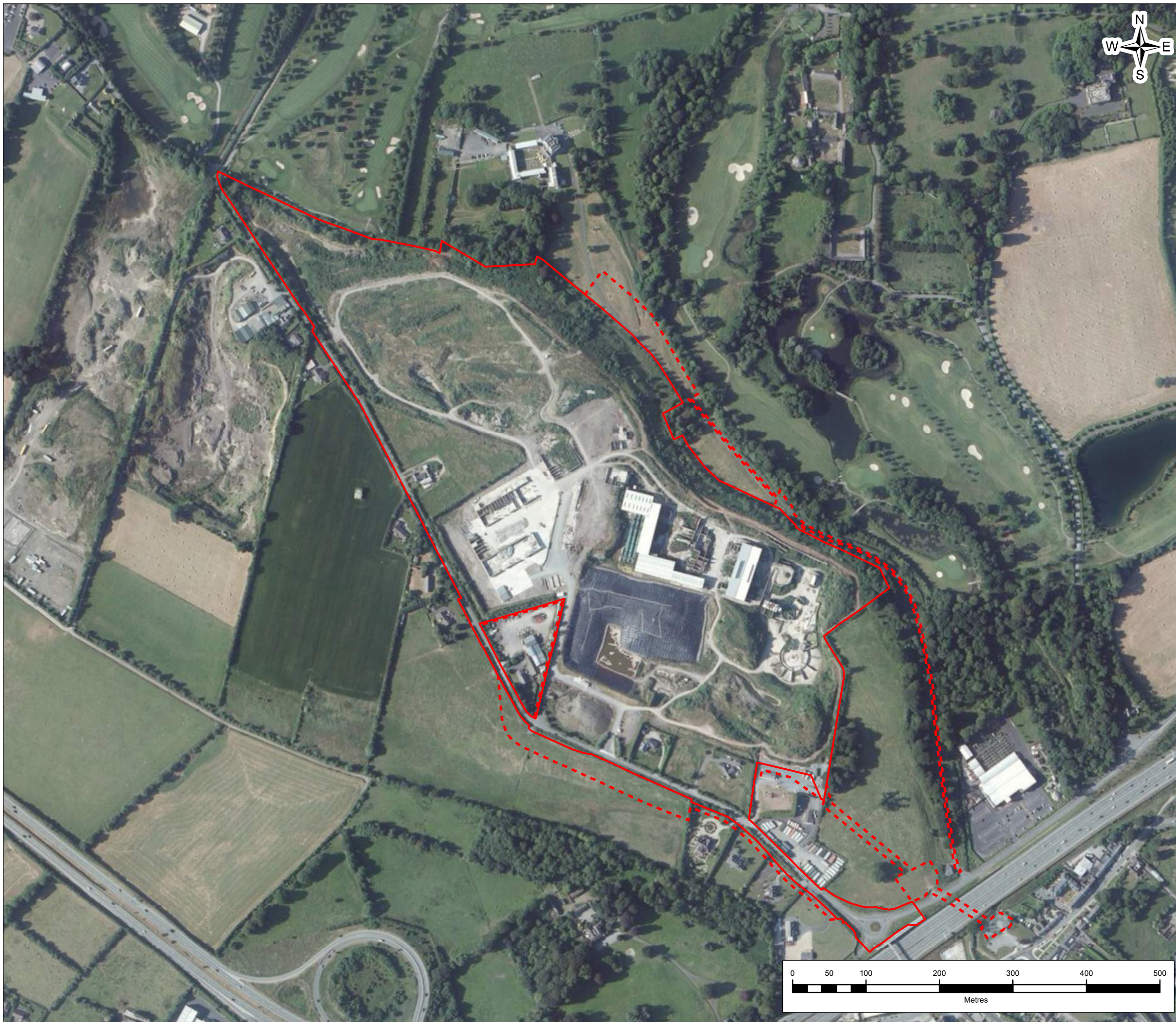
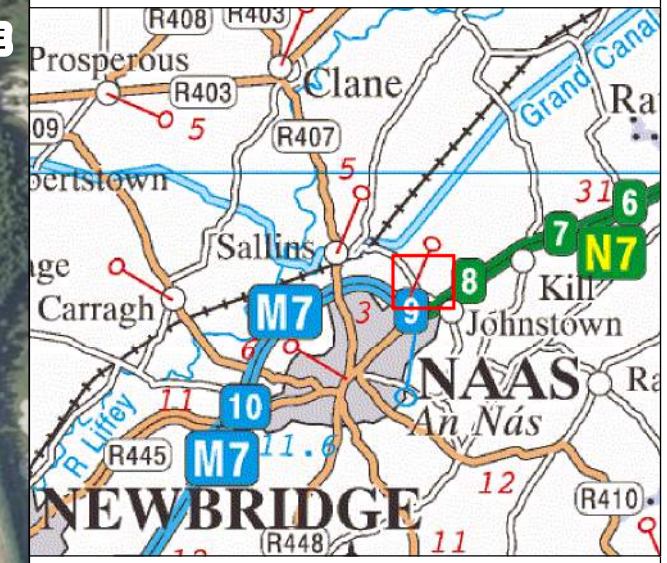


FIGURE 3.3



Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary

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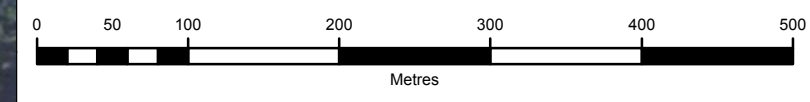
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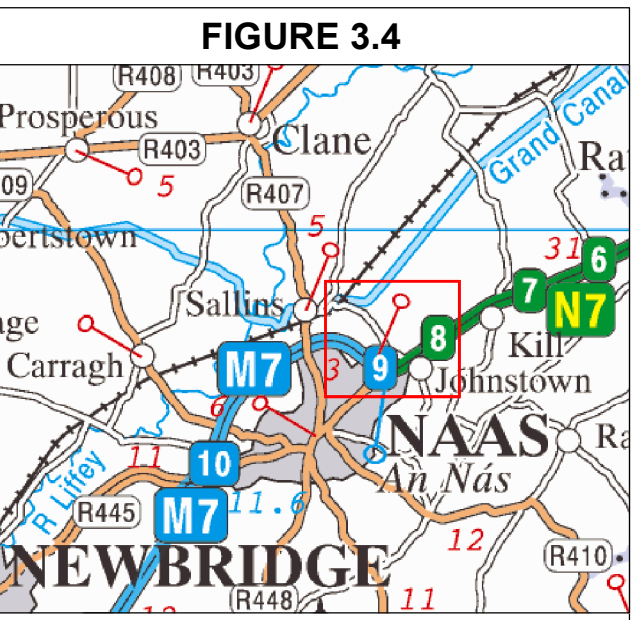
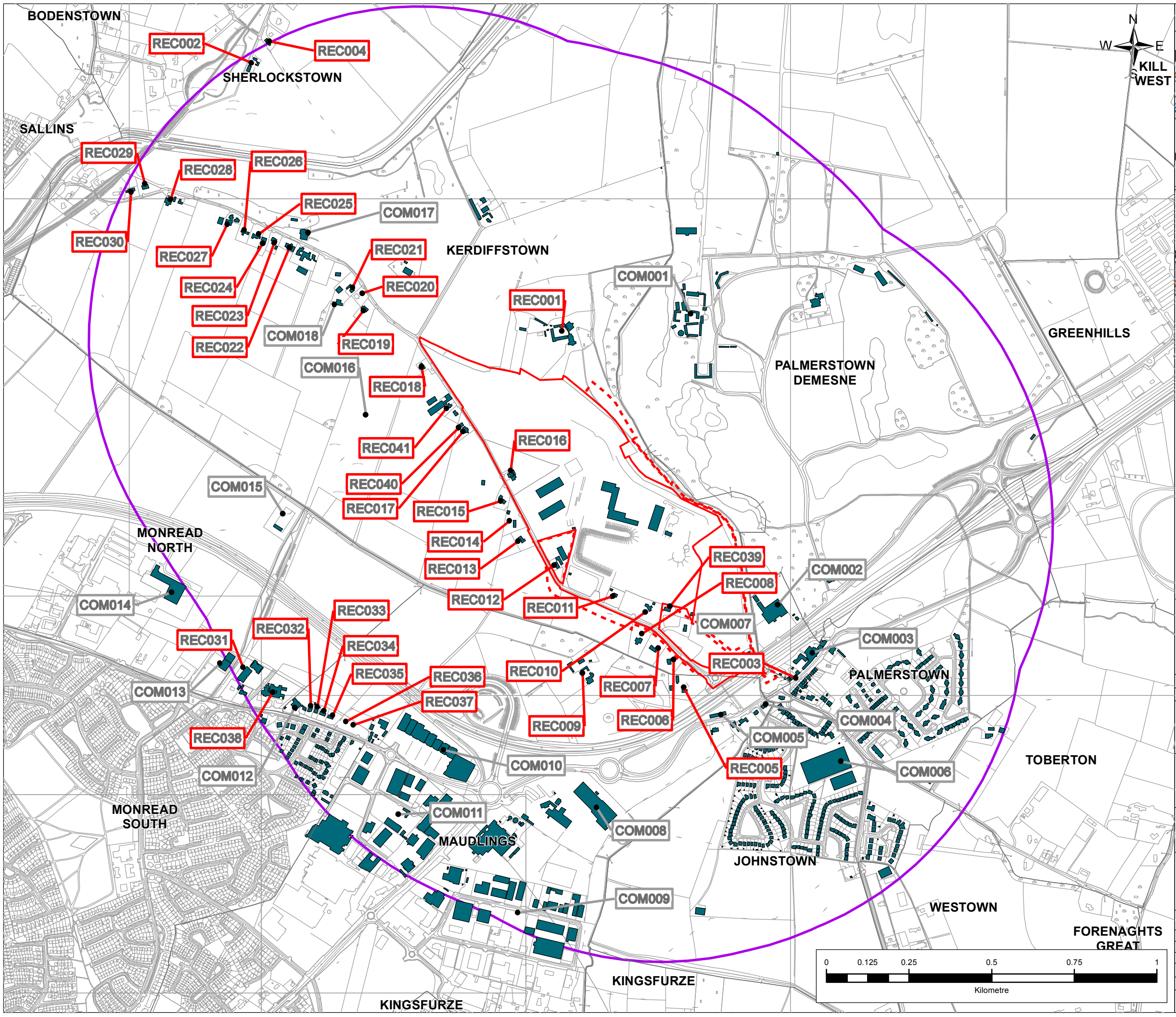
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Drawing Title
FIGURE 3.3 - AERIAL OVERVIEW FEBRUARY 2016

Drawing Status	EIAR SUBMISSION	
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Jacobs No.	32EW5604	
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Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- 1km Buffer of Site
- Buildings
- RECxxx Residential Receptor
- COMxxx Commercial Receptor

Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community Based on Ordnance Survey Ireland data and rep

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Drawing Title: **FIGURE 3.4 - LOCATION OF KEY RESIDENTIAL AND COMMERCIAL RECEPTORS WITHIN 1KM OF THE SITE**

Drawing Status	EIAR SUBMISSION		
Scale @ A3	1:11,000	DO NOT SCALE	
Jacobs No.	32EW5604		
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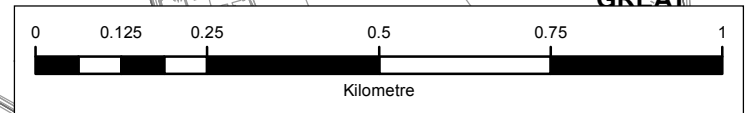


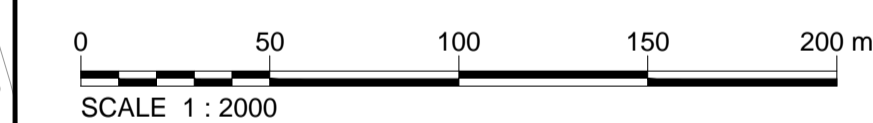


FIGURE 4.1

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- KEY:**
- Proposed CPO Boundary
 - Proposed Temporary CPO Boundary
 - Area Excluded from CPO
 - Inferred Zone Boundary
 - Buildings/Structures
 - Concrete Hardstandings (interpolated extents)
 - Existing Site Contours metres OD (Malin Head)

- NOTES:**
1. For section details see Drawing No. 32EW5604-00-024 (Figure 4.6) and Drawing No. 32EW5604-00-025 (Figure 4.7).
 2. Site features based on survey provided by Coastway - Chartered Geospatial Engineering Surveyors, Drg No. 1105-001 Rev11 b, 10th February 2012.
 3. Topographical survey undertaken by Baseline Surveys Ltd, 15th February 2016.
 4. For detailed description of Zones refer to Chapters 3 and 12 of the EIA/R.



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Drawing title
 FIGURE 4.1
 EXISTING SITE CONDITION

Drawing status	EIAR SUBMISSION		
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Client no.	6286		
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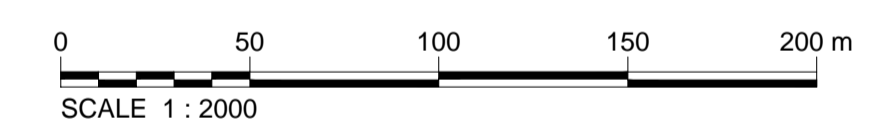
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KEY:

- Licence Boundary
- Existing Extent of Waste (inferred)
- Future Extent of Waste
- Inferred Zone Boundary
- Retained Concrete Hardstandings
- Re-profiled Site Contours metres (OD Malin Head)
- New Perimeter Bund

- NOTES:**
1. For section details see Drawing No. 32EW5602-024 (Figure 4.6) and Drawing No. 32EW5604-025 (Figure 4.7).
 2. Site features based on survey provided by Coastway - Chartered Geospatial Engineering Surveyors, Drg No. 1105-001 Rev11 b, 10th February 2012.
 3. Topographical survey undertaken by Baseline Surveys Ltd, 15th February 2016.
 4. For detailed description of Zones refer to Chapters 3 and 12 of the EIA.



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Project: **KERRIFFSTOWN LANDFILL
 REMEDIATION PROJECT**

Drawing title: **FIGURE 4.2
 RE-PROFILED SITE CONTOURS
 FOR THE PROPOSED PROJECT**

Drawing status: **EIAR SUBMISSION**

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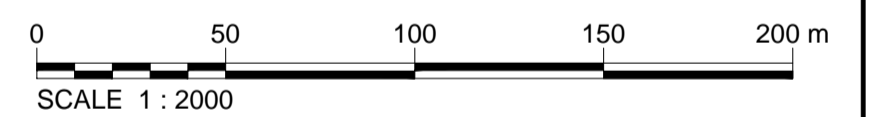


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KEY:

	Licence Boundary
	Inferred Waste Extents
	Inferred Zone Boundary
	Contours (Depths of Cut)
	Contours (Depths of Fill)
	Area of Cut
	Area of Fill
	Area of Zero Cut/Fill

- NOTE:**
- Cut / fill depths based on comparison of existing site contours shown on Drawing No. 32EW5604-001 (Figure 4.1) and re-profiled site contours shown on Drawing No. 32EW5604-020 (Figure 4.2).
 - For detailed description of Zones refer to Chapters 3 and 12 of the E.I.A.R.



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1	30/06/2017	E.I.A.R. SUBMISSION	KMA	CD	CD	RR
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**KERDIFFSTOWN LANDFILL
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Drawing title
**FIGURE 4.3
 ISOPACHYTES - EXISTING GROUND LEVELS
 TO PROPOSED RE-PROFILED SITE CONTOURS**

Drawing status
E.I.A.R. SUBMISSION

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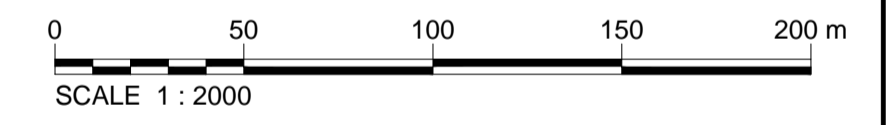


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KEY:

- Licence Boundary
- Inferred Zone Boundary
- Existing Extent of Waste
- Remediated Extent of Waste
- Retained Concrete Hardstanding
- Multi-layer Capping System (slope gradient 1:3 to 1:2.5 max)
- Multi-layer Capping System (slope gradient <1:3)
- Low Permeability Capping System
- Low Permeability Soil Cover System
- Area of Waste to be Excavated and Replaced with Clean Fill
- 90 Proposed Top of Remediation Contours metres OD (Main Head)
- 84 Pond Formation Contours metres OD (Main Head)

- NOTES:**
1. For section details see Drawing No. 32EW5604-00-024 (Figure 4.6) and Drawing No. 32EW5604-00-025 (Figure 4.7).
 2. For detailed description of Zones refer to Chapters 3 and 12 of the EIA.
 3. All levels to metres OD (Main Head).
 4. Remediation contours are based on estimated volume of waste to be excavated at the site, to create safe slopes and to satisfy EPA requirements for a post-settlement profile.



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2	07/08/2017	EIAR SUBMISSION	AR	CD	CD	RR
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Project **KERRIFFSTOWN LANDFILL
REMEDIATION PROJECT**

Drawing title **FIGURE 4.4
REMEDIATION CONTOURS
FOR THE PROPOSED PROJECT**

Drawing status **EIAR SUBMISSION**

Scale	1:2000 @A1	DETAILS SHOWN ARE NOT FOR CONSTRUCTION PURPOSES HENCE DRAWING SHOULD NOT BE SCALED
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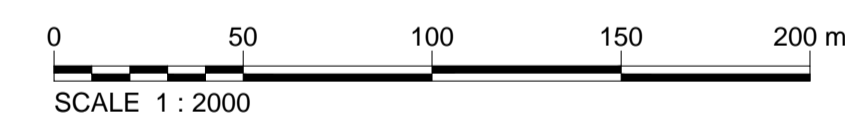


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KEY:

	Licence Boundary
	Inferred Zone Boundary
	Remediated Waste Extents
	90 Post Settlement Contours metres OD (Malin Head)
	84 Pond Formation Contours metres OD (Malin Head)
	Retained Concrete Hardstanding

- NOTES:**
- For section details see Drawing 32EW5604-00-024 (Figure 4.6) and Drawing 32EW5604-00-025 (Figure 4.7).
 - For detailed description of Zones refer to Chapters 3 and 12 of the EIA.
 - Post-Settlement Contours have been estimated using a Jacobs numerical, predictive waste settlement model. Refer to the Waste Settlement Assessment Technical Note (Document No. 32EW5604/DC/0035) for further information.



Rev	Rev. Date	Purpose of revision	Drawn	Checked	Rev'd	Apprv'd
2	07/08/2017	EIAR SUBMISSION	AR	CD	CD	RR
1	30/06/2017	EIAR SUBMISSION	KMA	CD	CD	RR
0	17/11/2016	EIS SUBMISSION	AR	JB	CD	RR

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Client

 Kildare County Council
 Comhairle Contae Chill Dara

Project
 KERDIFFSTOWN LANDFILL
 REMEDIATION PROJECT

Drawing title
FIGURE 4.5
 POST SETTLEMENT CONTOURS
 FOR THE PROPOSED PROJECT

Drawing status
EIAR SUBMISSION

Scale 1:2000 @A1
 DETAILS SHOWN ARE NOT FOR CONSTRUCTION PURPOSES HENCE DRAWING SHOULD NOT BE SCALED

Jacobs No. 32EW5604
 Client no. 6286

Drawing number
32EW5604-00-023
 Rev **2**

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