

- Legend**
- Proposed CPO Boundary
 - Proposed Temporary CPO Boundary
 - ▲ Recorded Monuments
 - Protected Structures
 - NIAH Buildings
 - Roseborough Demense
 - Palmerstown Demense
 - Kerdiffstown Demense

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Comhairle Contae Chill Dara

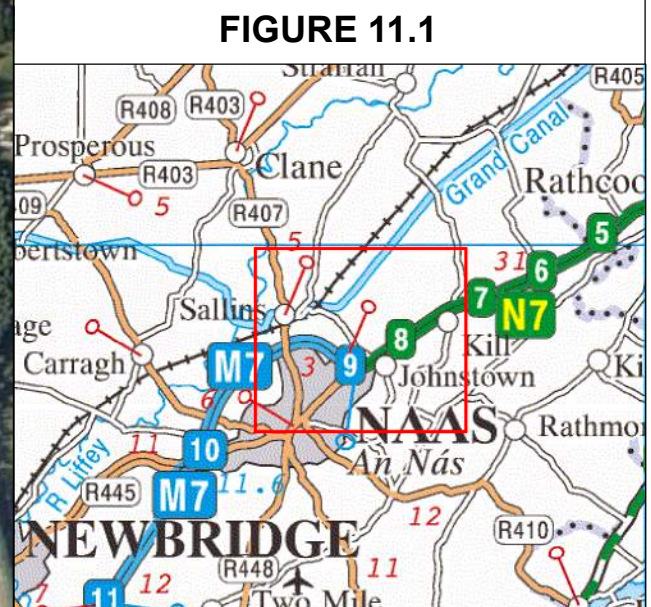
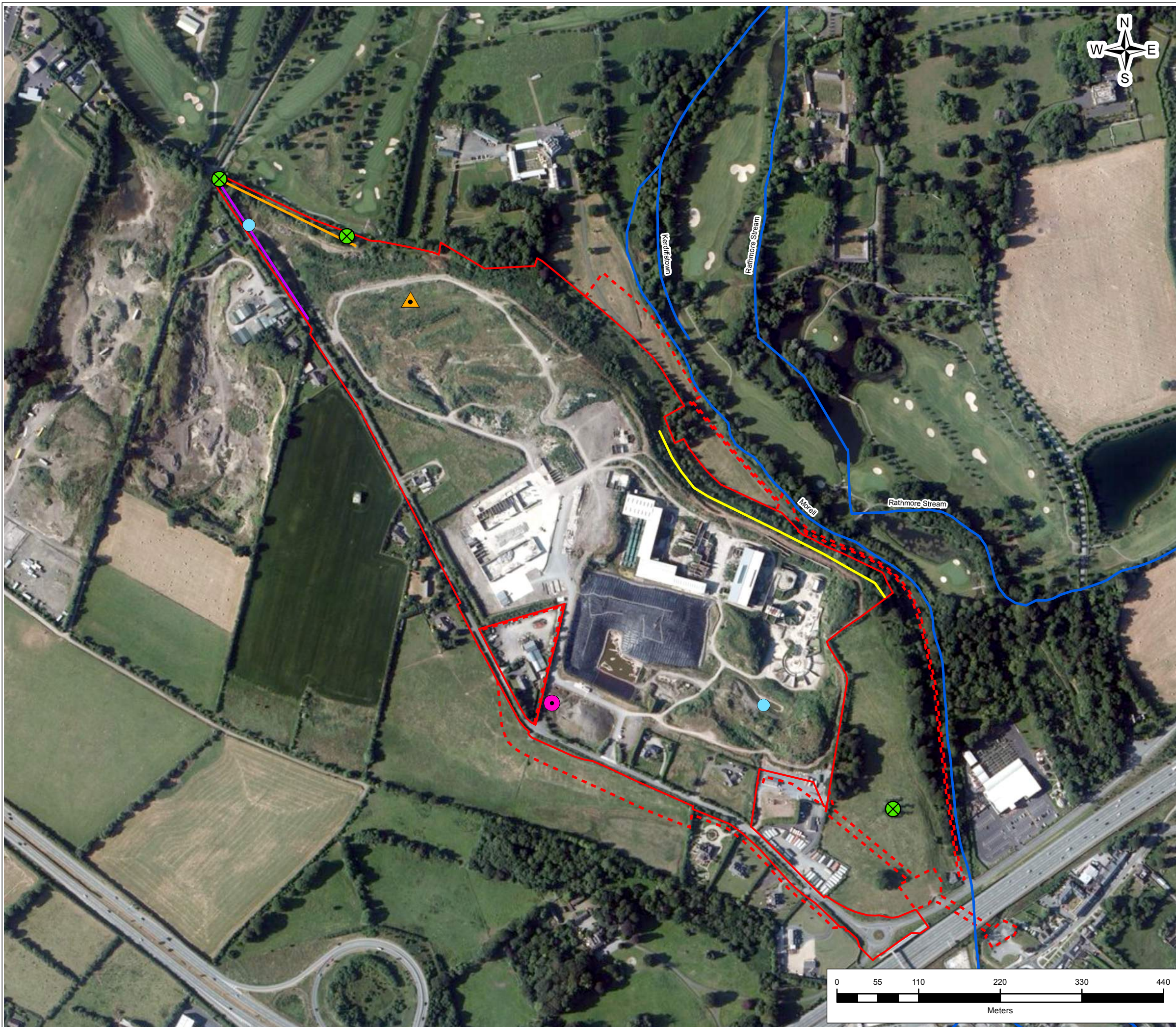
Project: **KERDIFFSTOWN LANDFILL REMEDIATION PROJECT**

Drawing Title: **FIGURE 10.1 - RECORDED ARCHAEOLOGICAL AND ARCHITECTURAL SITES**

Drawing Status: **EIAR SUBMISSION**

Scale @ A3	1:11,000	DO NOT SCALE
Jacobs No.	32EW5604	
Client Name	6286	
Drawing No.	32EW5604-811 P1	Rev 1

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- Legend**
- Proposed CPO Boundary
 - Proposed Temporary CPO Boundary
 - Frog Spawn
 - ▲ Badger latrine
 - Building with Potential Roost Feature (now demolished)
 - ⊗ Tree with Potential Roost Feature (High Potential)
 - Immature tree line with Potential Roost Feature (Low Potential)
 - Mature tree line with Potential Roost Feature (Medium Potential)
 - Mature tree line with Potential Roost Feature (High Potential)
 - Rivers

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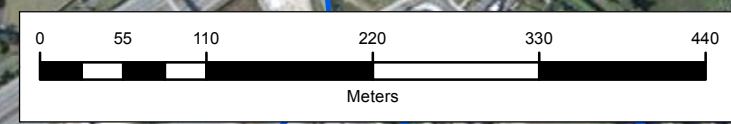
Client **Kildare County Council**
 Comhairle Contae Chill Dara

Project
KERDIFFSTOWN LANDFILL REMEDIATION PROJECT

Drawing Title
FIGURE 11.1 - FAUNA SURVEY MAP

Drawing Status	EIAR SUBMISSION	
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Client No.	6286	
Drawing No.	32EW5604-812 P2	Rev 2

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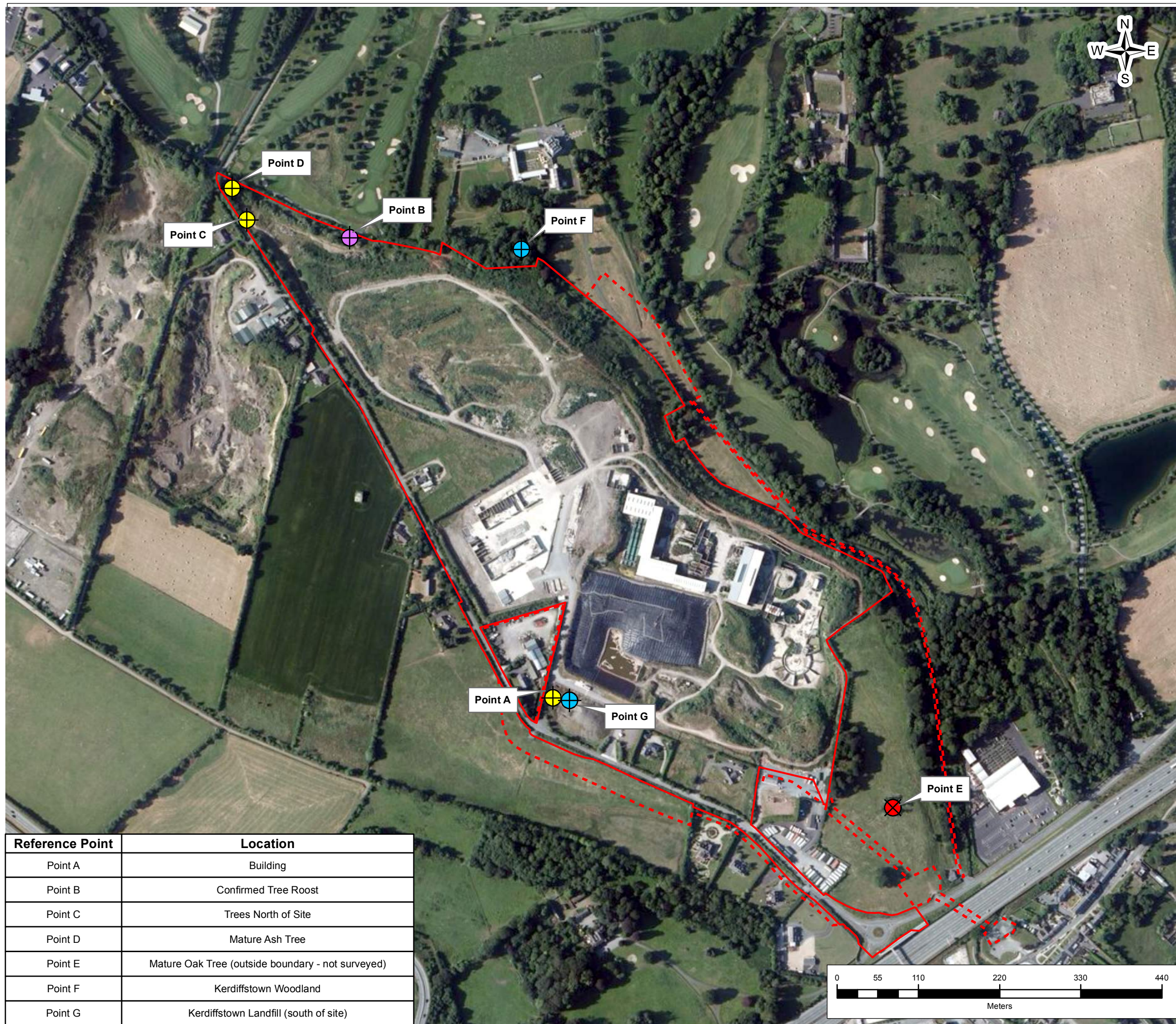
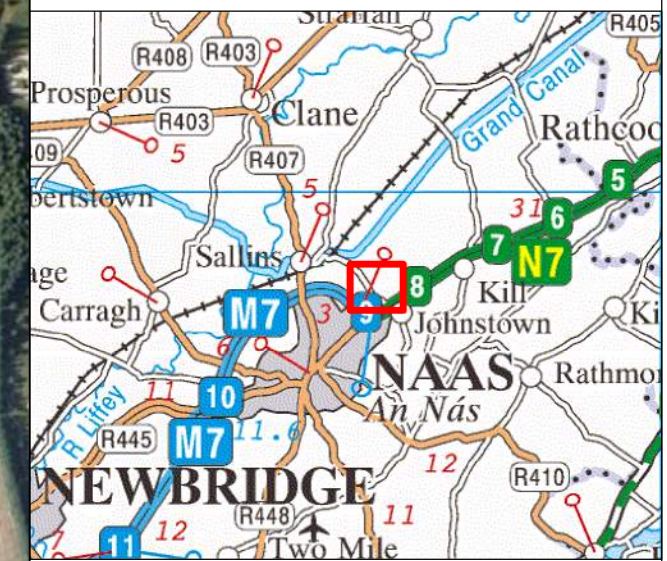


FIGURE 11.2



Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- ⊕ Confirmed bat roost
- ⊕ Dusk/dawn emergence survey location
- ⊕ Static recorder location
- ⊗ Survey not required

Note: Point E was included in the site assessment, however it was deemed that a survey was not required.

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Drawing Title
FIGURE 11.2 - BAT SURVEY LOCATIONS

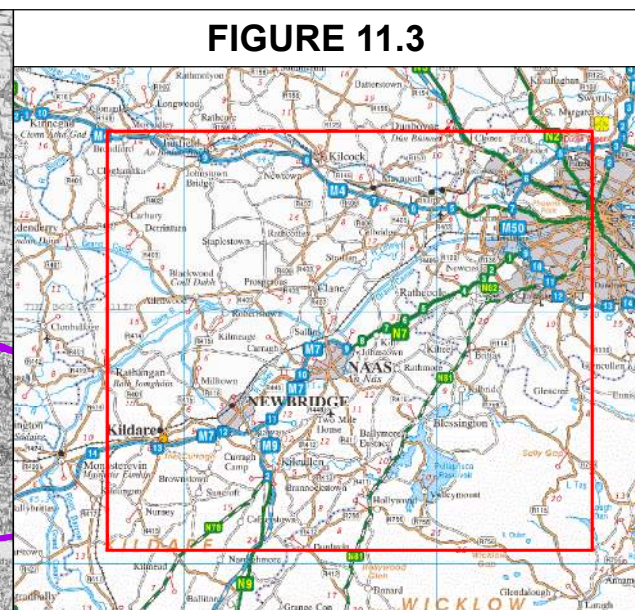
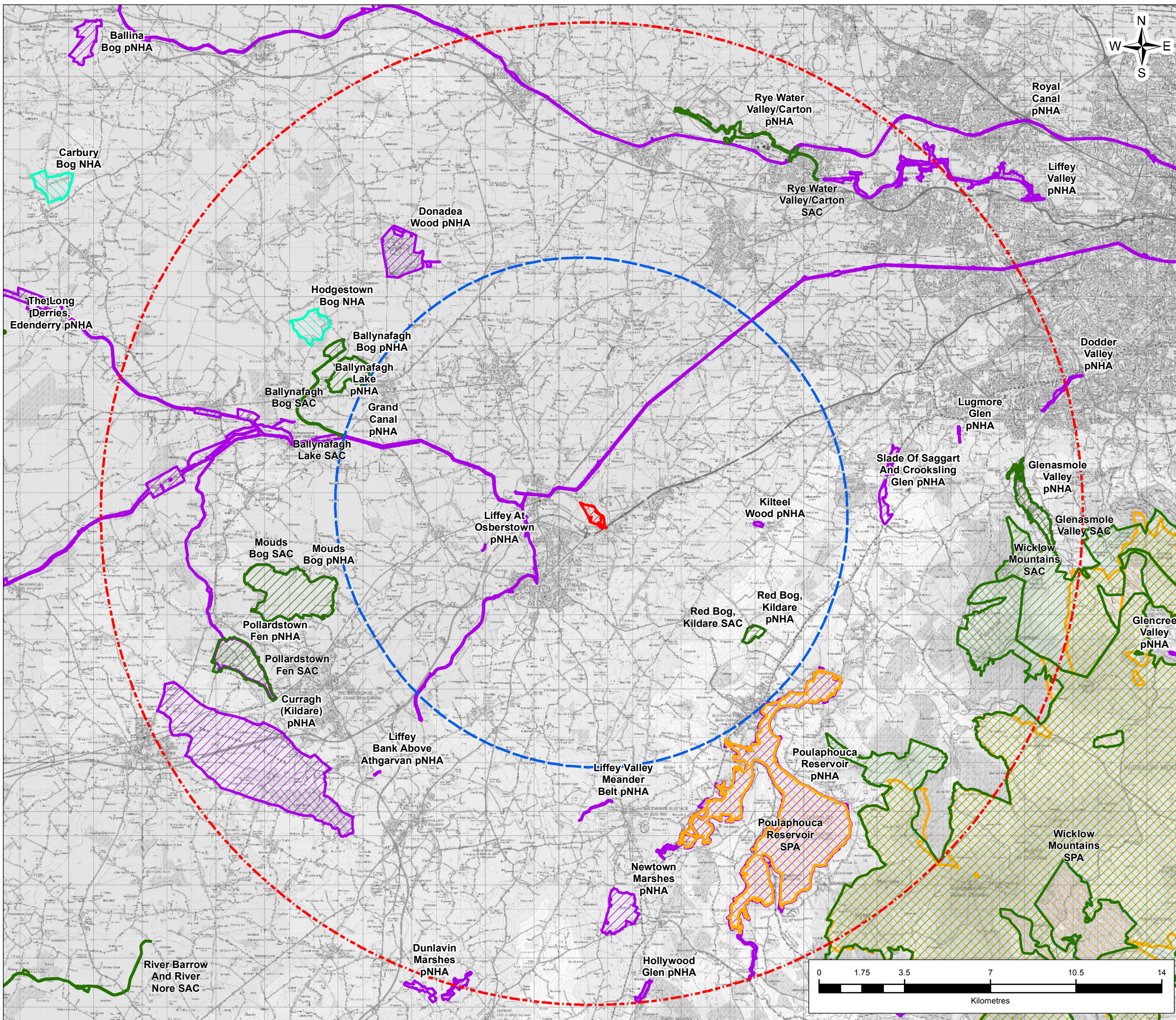
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Client No.	6286	
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Reference Point	Location
Point A	Building
Point B	Confirmed Tree Roost
Point C	Trees North of Site
Point D	Mature Ash Tree
Point E	Mature Oak Tree (outside boundary - not surveyed)
Point F	Kerdiffstown Woodland
Point G	Kerdiffstown Landfill (south of site)

FIGURE 11.3



Legend

- Site Location
- 10 km Buffer of Site
- 20 km Buffer of Site
- Special Area of Conservation (SAC)
- Special Protected Area (SPA)
- Natural Heritage Areas (NHA)
- Proposed Natural Heritage Areas (pNHA)

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Drawing Title **FIGURE 11.3 - ECOLOGICAL DESIGNATED SITES**

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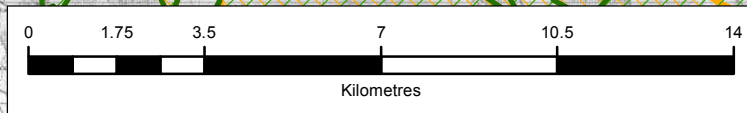
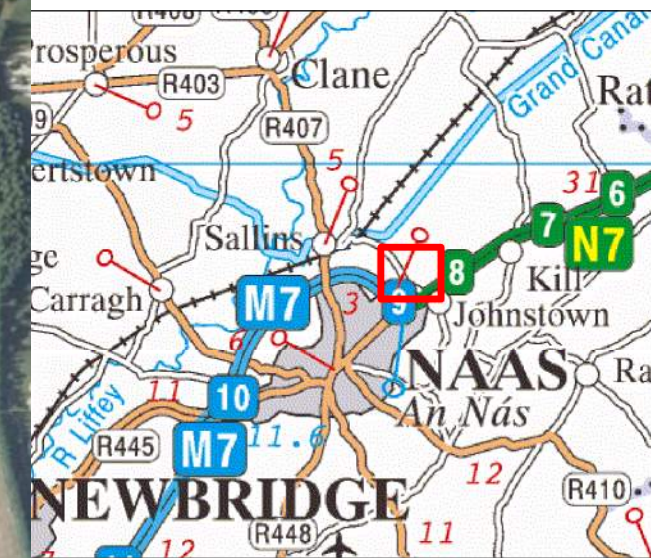




FIGURE 11.4



Legend

- Proposed CPO Boundary
- Proposed Temporary CPO Boundary
- Japanese Knotweed
- BL3 Buildings and Artificial Surfaces
- BL2 Earth Banks
- ED2 Spoil and Bare Ground
- ED3 Recolonising Bare Ground
- FW2 Rivers
- FW4 Drainage Ditch
- FL8 Other Artificial Lakes and Ponds
- Private Property / Amenity
- GA1 Improved Agricultural Grassland
- GS2 Dry Meadows and Grassy Verges
- GS4 Wet Grassland
- WD1 Mixed Broadleaved Woodland
- WD5 Scattered Trees and Parkland
- WL1 Hedgerows
- WL2 Tree Line
- WS1 Scrub

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Project: **KERDIFFSTOWN LANDFILL REMEDIATION PROJECT**

Drawing Title: **FIGURE 11.4 - HABITAT MAP**

Drawing Status	EIAR SUBMISSION	
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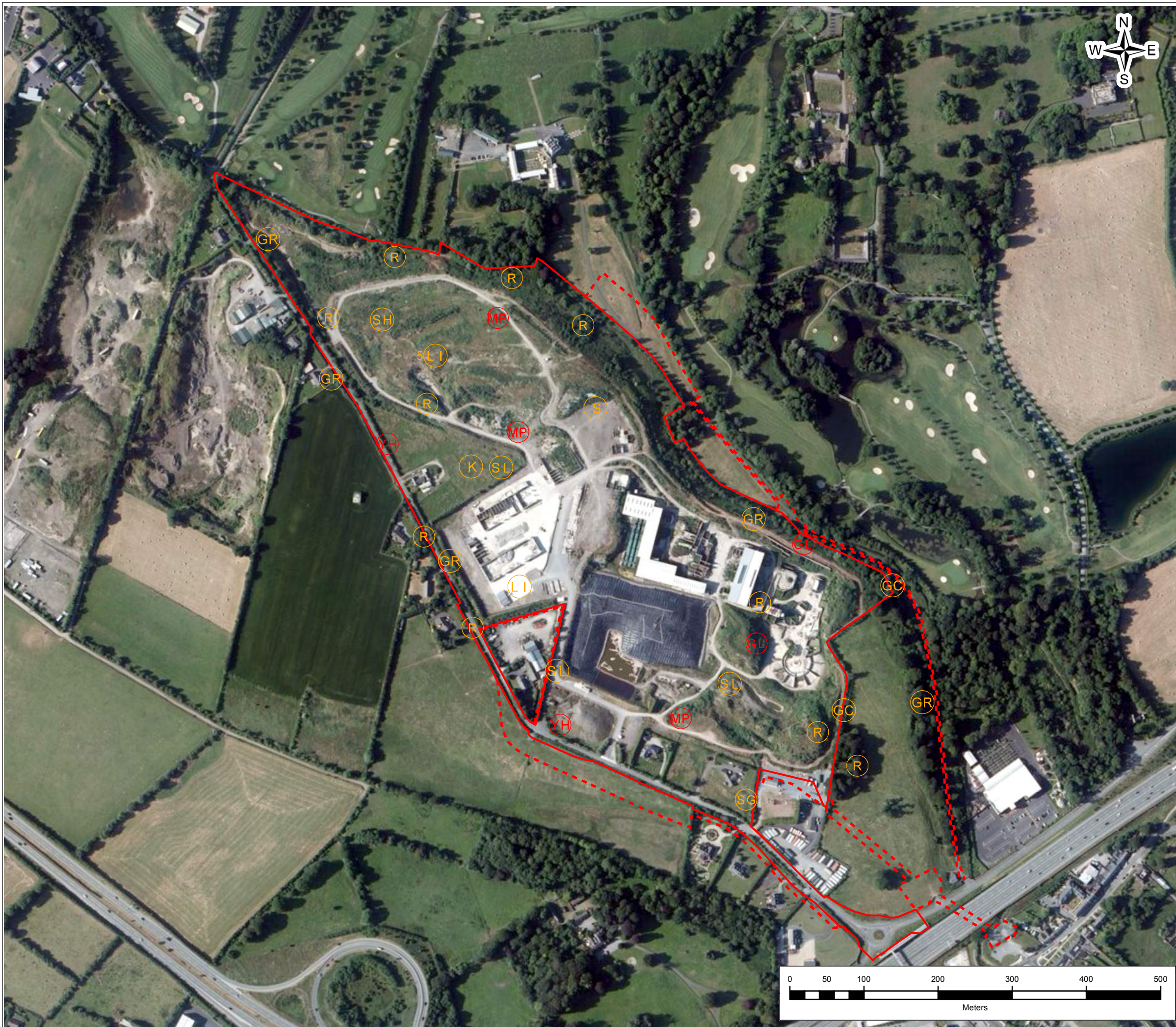
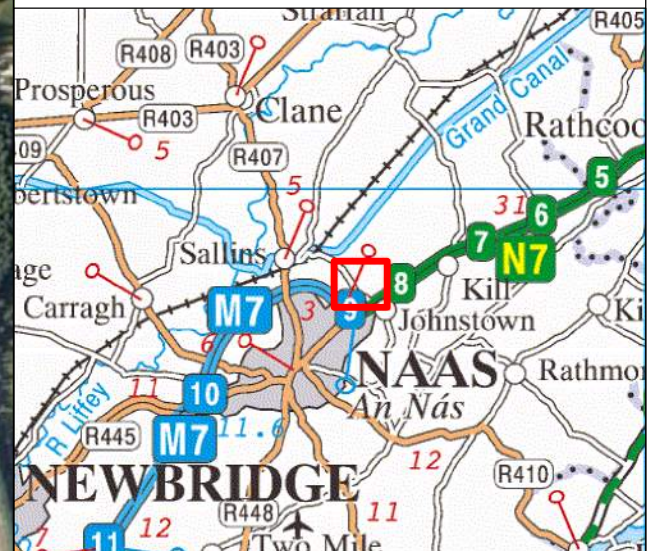


FIGURE 11.5



- Legend**
- Proposed CPO Boundary
 - Proposed Temporary CPO Boundary
 - GR Greenfinch
 - YH Yellowhammer
 - SH Sparrowhawk
 - SL Swallow
 - R Robin
 - 5LI 5 Pairs of Linnets
 - SG Starling
 - GC Goldcrest
 - GL Grey wagtail
 - K Kestrel
 - MP Meadow pipit
 - S Skylark
 - LI Linnet

Note 1: Only Amber-listed and Red-listed species were mapped.
 Note 2: Red / Amber circle indicates confirmed / probable breeder.

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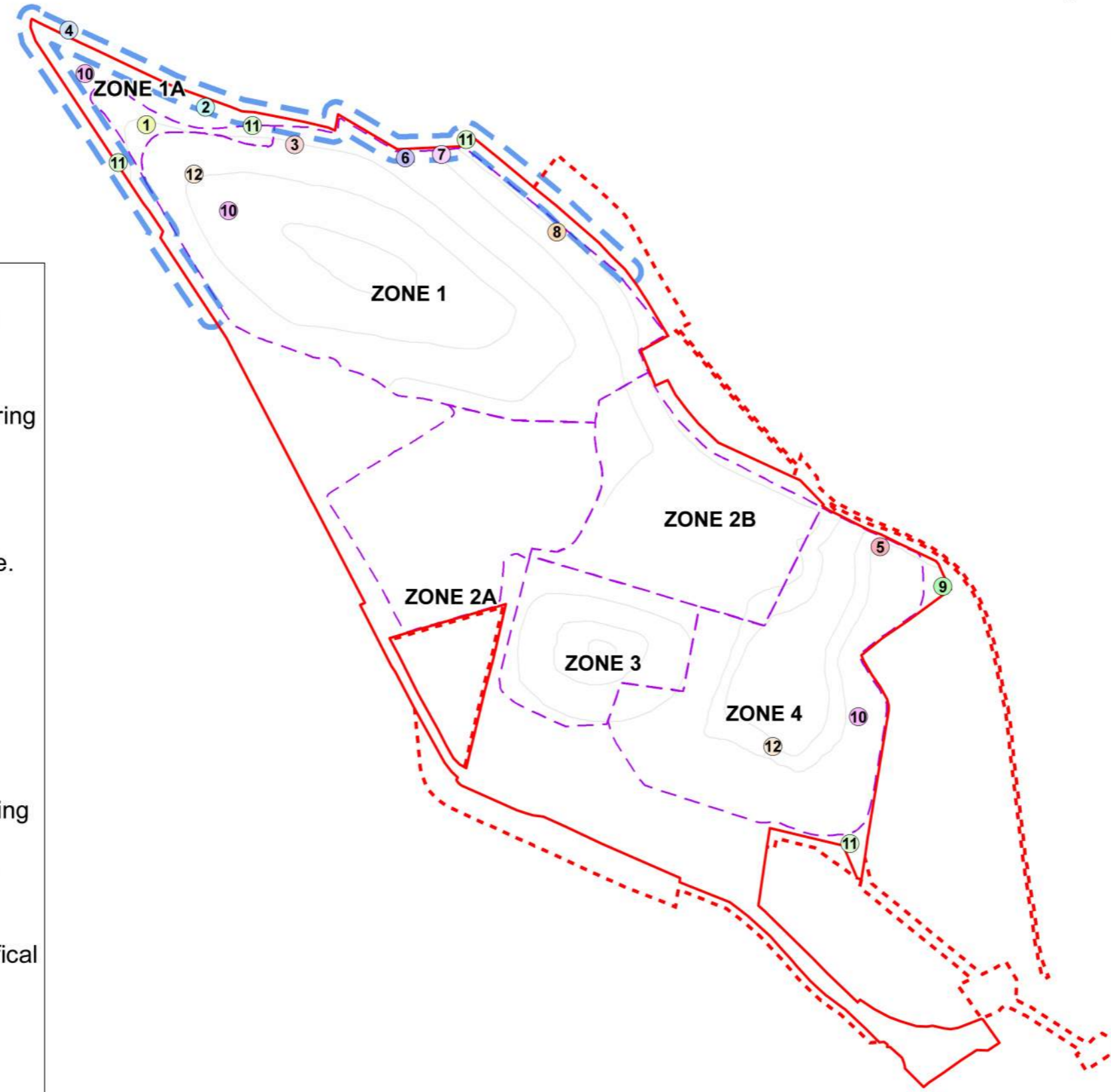
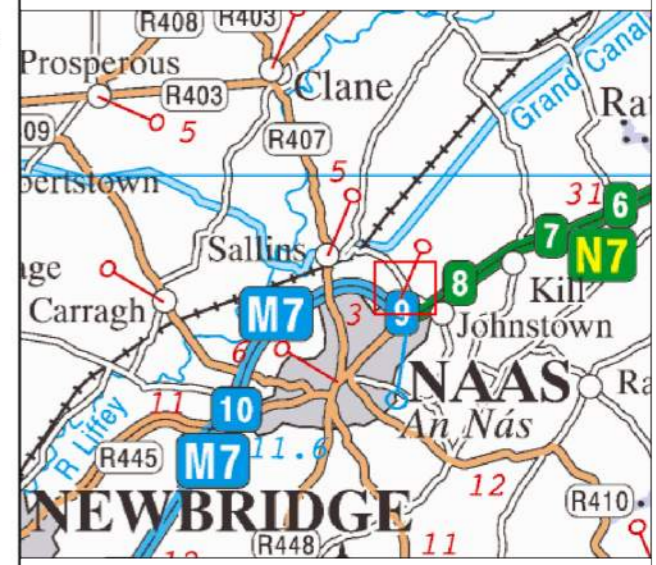
Drawing Title: **FIGURE 11.5 - BREEDING BIRDS**

Drawing Status: EIAR SUBMISSION	
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Jacobs No.:	32EW5604
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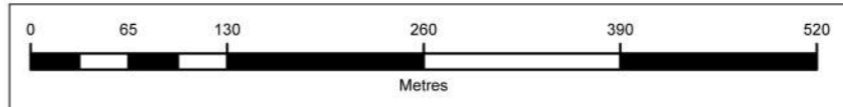
FIGURE 11.6

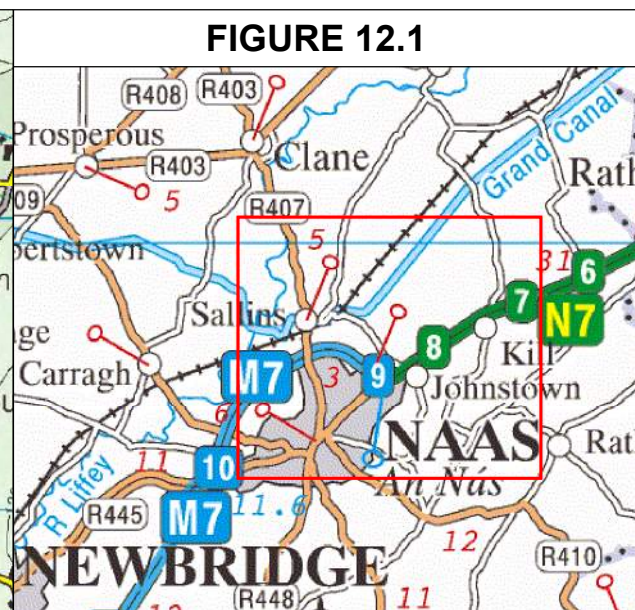
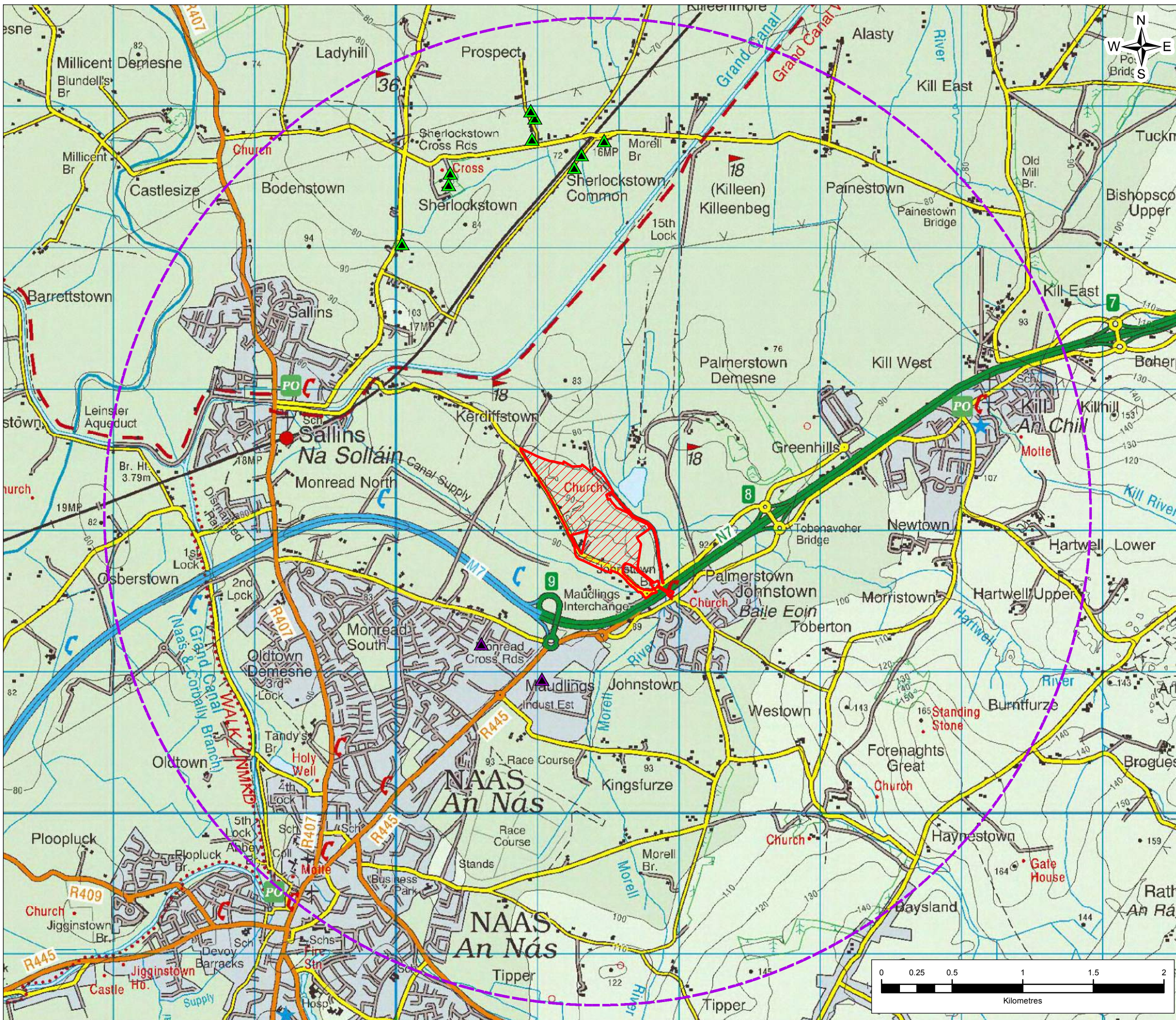


- ① Pre-construction survey for badger. Removal of log piles under ecologist supervision. Exclusion of BS1 (see Section 11.5, Chapter 11).
 - ② Protect tree (confirmed bat roost) during works.
 - ③ Install mammal proof fencing once capping complete.
 - ④ Maintain Area open for use by wildlife.
 - ⑤ Crayfish translocation / no instream works October - June (inclusive).
All works within 50m of BS2 under licence and supervision of ecologist (see Section 11.5, Chapter 11).
 - ⑦ Extend mammal proof fencing following capping.
 - ⑧ Install final section of mammal proof fencing.
 - ⑨ Indicative location for creation of artificial sand martin bank.
 - ⑩ Indicative location for reptile hibernacula.
 - ⑪ Indicative location for bat, bird and hedgehog boxes.
 - ⑫ Wetland planting / surface water ponds.
- No lighting of retained habitats to avoid impacts on bat roosting / foraging habitat.

- Legend**
- Proposed CPO Boundary
 - Proposed Temporary CPO Boundary
 - Inferred Zone Boundary

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Project	KERDIFFSTOWN LANDFILL REMEDIATION PROJECT					
Drawing Title	FIGURE 11.6 - ECOLOGICAL MITIGATION & ENHANCEMENTS					
Drawing Status	EIAR SUBMISSION					
Scale @ A3	1:5,000		DO NOT SCALE			
Jacobs No	32EW5604					
Client No	6286					
Drawing No	32EW5604-817 P2					Rev
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Legend

- Site Location
- 3km Buffer of Site

Well Locations

- Agricultural and domestic use
- Industrial use

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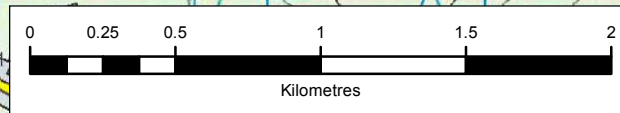
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Project **KERDIFFSTOWN LANDFILL REMEDIATION PROJECT**

Drawing Title **FIGURE 12.1 - GEOLOGY, SOILS, CONTAMINATED LAND AND GROUNDWATER STUDY AREA**

Drawing Status **EIAR SUBMISSION**

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Jacobs No.	32EW5604	
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Drawing No.	32EW5604-819 P1	Rev 1

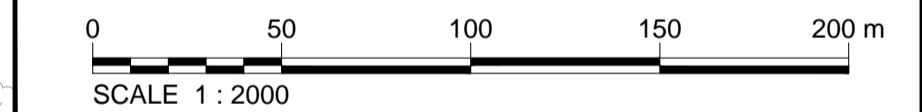


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- KEY:**
- Licence Boundary
 - Inferred Waste Extents
 - Inferred Zone Boundary
- EXPLORATORY HOLE DATA:**
- PRE 2010**
- Groundwater Monitoring Well
- 2010 PGL**
- Borehole
- 2012 IGSL**
- Borehole
 - Trial Pit
 - ◆ Environmental Monitoring Well
- 2012 GSIL**
- ◆ Environmental Monitoring Well
- 2016 IGSL**
- Borehole
 - Trial Pit
 - Gas Extraction Well

- NOTES:**
1. This drawing is in draft pending the final factual report from the 2016 IGSL Ground Investigation.
 2. Site features based on survey provided by Coastway - Chartered Geospatial Engineering Surveyors, Drg No. 1105-001 Rev11 b, 10/2/2012.
 3. Topographical survey undertaken by Baseline Surveys Ltd, 15th February 2016.



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2	07/08/2017	EIAR SUBMISSION	AR	CD	CD	RR
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0	25/01/2017	DRAFT EIAR SUBMISSION	AR	RB	CD	RR



Project
KERDIFFSTOWN LANDFILL
REMEDATION PROJECT

Drawing title
FIGURE 12.2
GROUND INVESTIGATION LOCATIONS
AT EXISTING SITE

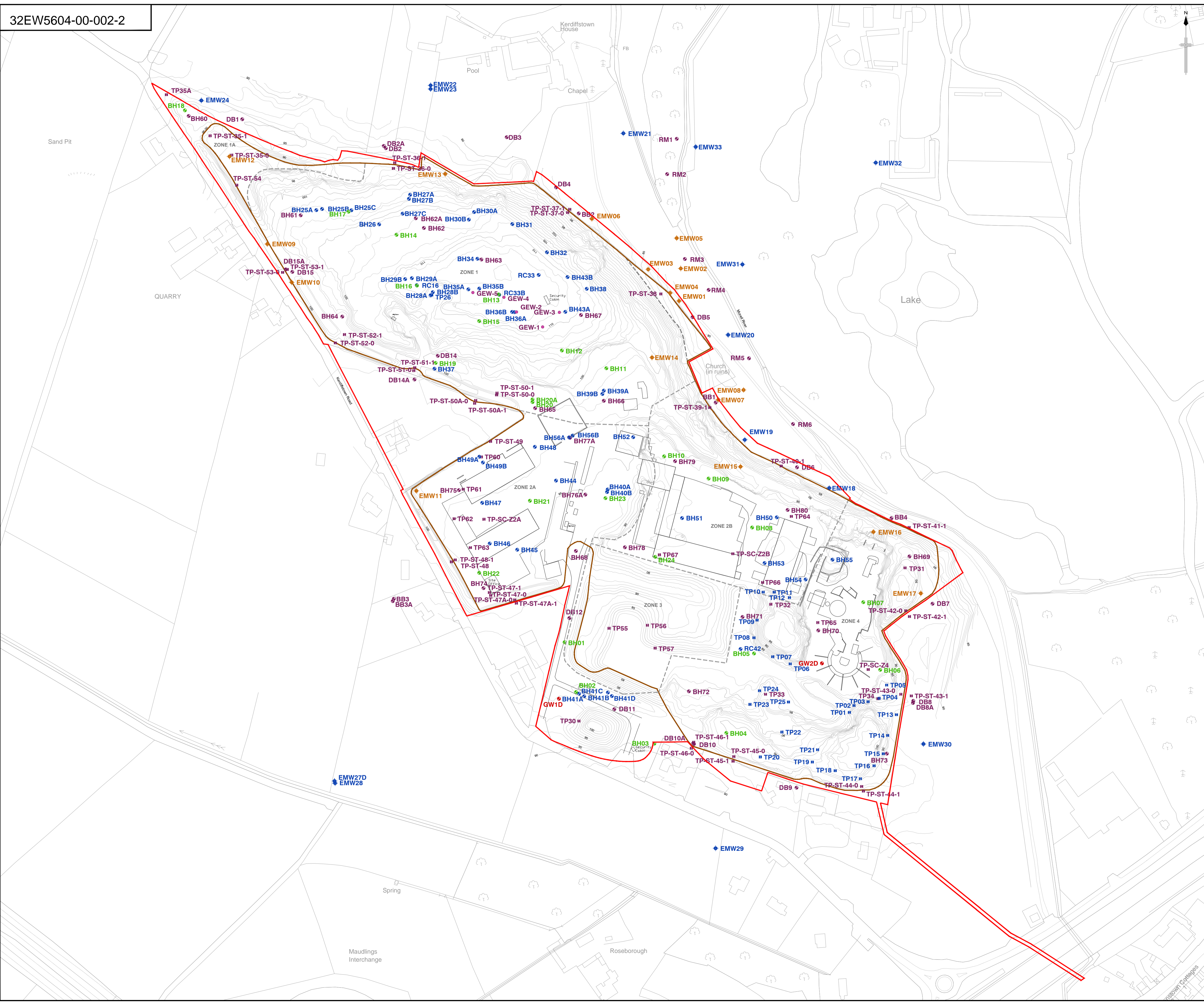
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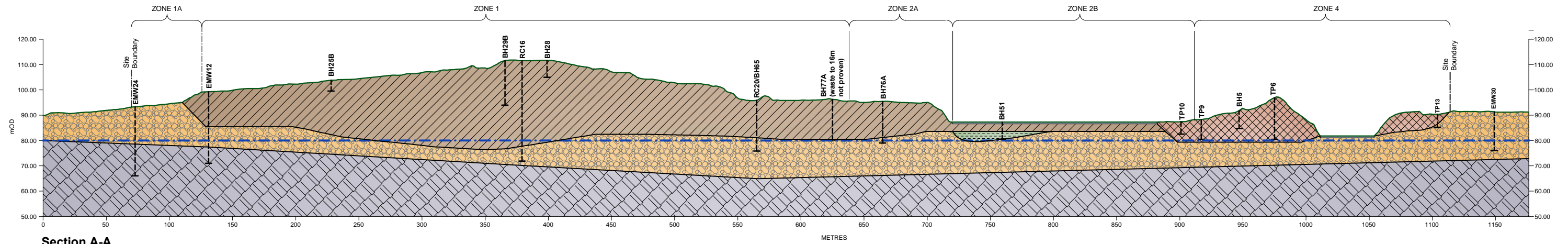
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Client no.	6286	

Drawing number
32EW5604-00-002

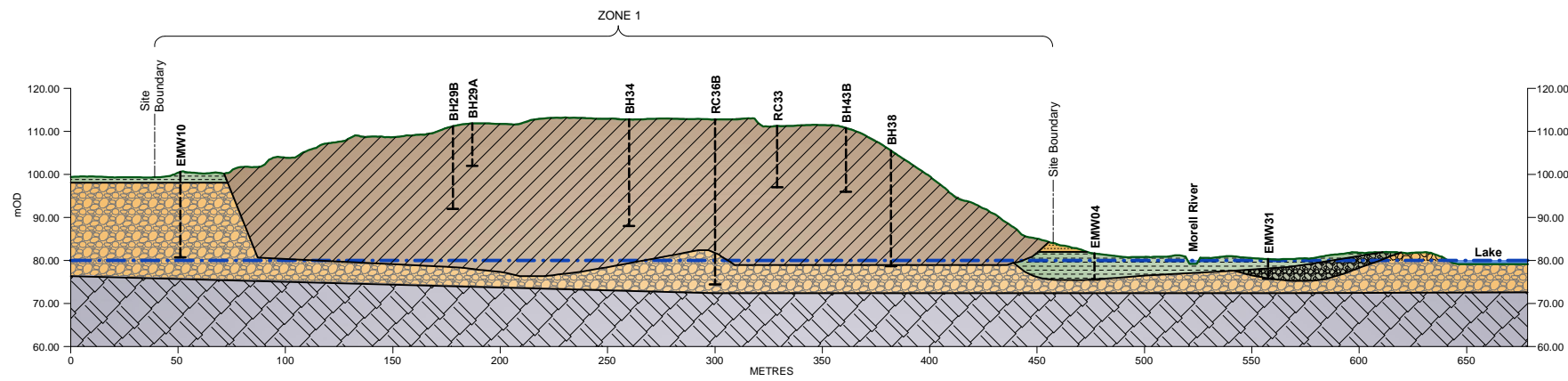
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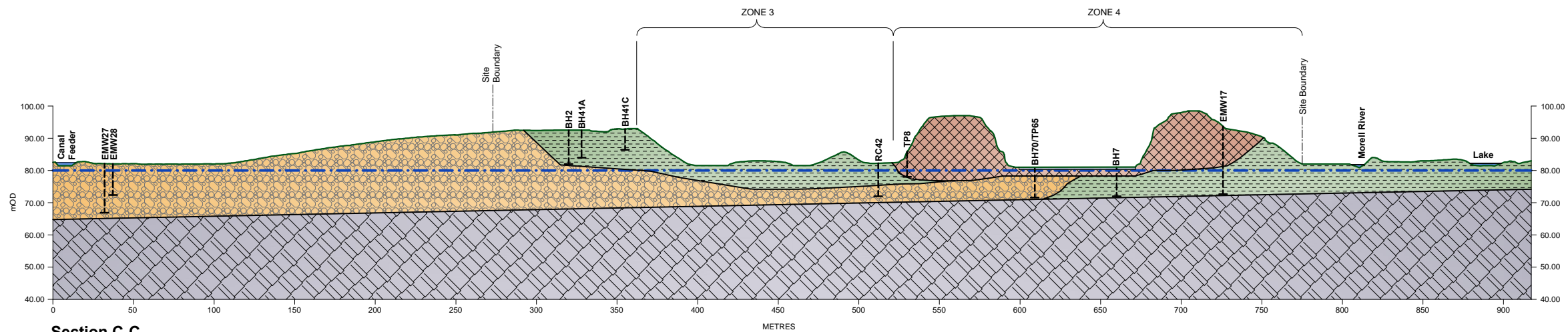




Section A-A
(Vertical exaggeration x2)



Section B-B
(Vertical exaggeration x2)



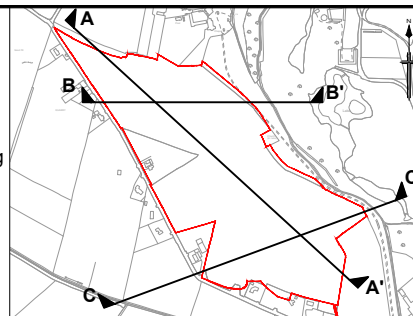
Section C-C
(Vertical exaggeration x2)

KEY:

	Gravel		Concrete
	Sand and Gravel		Landfill Dominated by Municipal Waste
	Sand		Made Ground
	Clay/Silt		Bedrock (transition zone in upper 2m to 5m)

Groundwater Table (overburden)

- NOTES:**
1. Ground levels based on site contours shown on Drawing No. 32EW5604-00-001 (Figure 4.1).
 2. Levels are in metres above Ordnance Datum (mOD) (Malin Head).
 3. Existing site buildings / drawings omitted for clarity.
 4. See Drawing 32EW5604-00-002 (Figure 12.2) for exploratory hole locations.



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Project
**KERDIFFSTOWN LANDFILL
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Drawing title FIGURE 12.3 GEOLOGICAL CROSS SECTIONS	
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Drawing number 32EW5604-00-003	Rev 2

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KEY:

- Licence Boundary
- Approximate Extent of Quarrying
- Inferred Zone Boundary
- Basal Contours mOD (Malin Head)
- (80.74) Base of Waste mOD (Malin Head)

EXPLORATORY HOLE DATA:

PRE 2010

- Groundwater Monitoring Well

2010 PGL

- Borehole

2012 IGSL

- Borehole
- ⊕ Environmental Monitoring Well

2012 GSIL

- ⊕ Environmental Monitoring Well

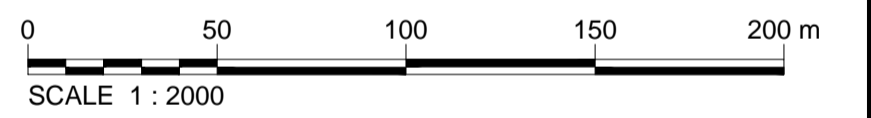
2016 IGSL

- Borehole
- ⊕ Gas Extraction Well

- ★ Boreholes where significant thickness of waste encountered but base of waste not reached. Base of waste therefore will be deeper than shown

NOTES:

1. For detailed description of Zones, refer to Chapters 3 and 12 of the EIAR.



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**KERRIFFSTOWN LANDFILL
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**FIGURE 12.4
WASTE BASAL CONTOURS**

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