

GREATER DUBLIN DRAINAGE PROJECT

EIAR Addendum Chapter 11A (Biodiversity (Terrestrial and Freshwater Aquatic))
Appendix A11.1 Terrestrial Baseline Survey Report
Confidential Badger Survey 2023 Report

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1 INTRODUCTION

RPS was commissioned by Uisce Éireann (UÉ) to complete update ecology surveys to inform the Greater Dublin Drainage Project (hereafter referred to as “the Proposed Project”) Environmental Impact Assessment Report (EIAR) Addendum Report.

An EIAR was prepared for the Proposed Project and was submitted in the 2018 planning application. Chapter 11 of the 2018 EIAR considered terrestrial biodiversity

As detailed in Chapter 1A (Introduction) in Volume 2A of the EIAR Addendum Report, we have reviewed the Chapter 11 (Biodiversity (Terrestrial and Freshwater Aquatic)) and the associated appendices of the EIAR submitted with the original 2018 planning application, in the light of:

- Changes to the baseline environment;
- The requirement for updated surveys; and
- Any changes to the law, policy, or industry standards and guidance in the intervening period.

In updating the baseline ecology information for the Proposed Project this was completed cognisant of the Chartered Institute of Ecology and Environmental Management (CIEEM) Guidelines for Ecological Impact Assessment in the UK and Ireland – Terrestrial, Freshwater, Coastal and Marine (hereafter referred to as the CIEEM Guideline) (CIEEM 2018), with respect to the validity of baseline data¹.

Due to the high level of persecution of badger (*Meles meles*) and legal protection afforded to this species (badger is listed in the Fifth Schedule of the Wildlife Act 1976 (as amended) and protected under Section 23), information pertaining to the location of setts is treated as confidential. For this reason, figures identifying the location of badger setts are not provided within the submitted EIAR Addendum Report.

This confidential report detailing the complete badger surveys which have been completed for the Proposed Project between 2020 and 2023; documenting the methodology and findings of these surveys. It includes the sensitive data not provided in the EIAR Addendum Report and will be provided separately to the relevant bodies. The update surveys identify any material changes since the original surveys completed in 2015/2016 and 2017. Any identified material changes have then been used to inform an Addendum to Chapter 11A of the 2018 EIAR.

¹ CIEEM (2018) Guidelines for Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater, Coastal and Marine. Chartered Institute of Ecology and Environmental Management, Winchester

2 METHODOLOGY

A badger survey was conducted on the 28 and 29 October 2020 for all lands within the redline boundary and a 50m buffer around the redline of the Proposed Project; extending approximately between the M50/N3 Motorway intersection at Connolly Hospital Blanchardstown and heading in an easterly direction to the proposed intersection with the proposed outfall pipeline route (land based section) at Portmarnock Strand. The survey included the construction access wayleaves shown along the corridor in **Figures I-1, I-2 & I-3 in Appendix I**.

The survey was undertaken during daylight hours commencing at approximately 09.00hrs and finishing at approximately 16.30hrs over the course of two days. The weather conditions during the survey were cloudy, with light to moderate rain and ambient air temperatures ranging from 9 to 13°C. The survey was conducted with reference to published guidelines² and completed by experienced RPS surveyors. Broadly, the survey involved mapping and describing any actual or potential signs of badger activity (e.g. setts, footprints, hairs, latrines). No wildlife licences, issued by National Parks and Wildlife Service (NPWS), were required for the surveys.

A further survey of badgers was completed using the same methodology between 17 to 19 April 2023. For this survey the buffer referred to for the 2020 survey was increased from 50m to 100m in line with those surveys undertaken and reported within Chapter 11A of the 2018 EIAR; to allow a more comprehensive comparison. The 2023 survey was undertaken during daylight hours commencing at approximately 09.00hrs and finishing at approximately 17.00hrs over the course of three days. The weather conditions during the surveys were sunny with ambient air temperatures ranging from 11 to 13°C.

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² NRA (2009) *Ecological Surveying Techniques for Protected Flora and Fauna during the Planning of National Road Schemes*.

3 RESULTS

During the 2020 and 2023 surveys, badger activity was identified within the survey area (*i.e.* all land within the redline boundary of the Proposed Project plus associated buffers as documented in methodology section).

In 2020 badger evidence such as snuffle holes, excavations, trails, prints, and latrines were recorded either close to or within the redline boundary of Proposed Project. The badger evidence is mapped in GIS and shown in **Figure A-1 to A-7 of Appendix A** and detailed within (**Table B-1, Appendix B**). The majority of this evidence was recorded in the eastern section of the Proposed Project route.

In 2020, ten badger setts were identified. Eight badger setts (BS1, BS2, BS3, BS4, BS5, BS6, BS9 and BS10) were identified outside of the redline boundary but within 50m of the redline boundary of the Proposed Project. Another two setts (BS7 and BS8) were identified outside of the redline boundary but within 100m of the redline boundary of the Proposed Project. Four of the 10 setts (BS7, BS8, BS9 and BS10) were also recorded in the 2017 survey. Therefore, the six extra setts recorded in 2020 are new setts and represent a material change. Ten setts were also recorded in 2017. Six of which were not re-recorded in 2020. It is not considered that such fluctuations in sett activity, particularly for setts which are not main setts, is unusual, given that badgers are mobile with sett activity able to change during and between years. The location of these setts and further details are provided in the **Figures C-1 to C-5 of Appendix C and Table D-1 of Appendix D**

In 2023 badger evidence such as snuffle holes, hair, trails, prints, and latrines were recorded either close to or within the footprint of the Proposed Project Boundary (**Table F1 of Appendix F**). The badger evidence is also mapped in GIS and shown in **Figures E-1 to E-8 of Appendix E**. The majority of this evidence was recorded in the western section of the Proposed Project route.

In 2023, 18 badger setts were identified. One sett (S17) was identified within the redline boundary of the Proposed Project. 14 badger setts (S2, S3, S4, S5, S6, S7, S8, S9, S11, S12, S13, S14, S16, S18) were identified outside of the redline boundary but within 50m of the redline boundary of the Proposed Project. Another three setts (S1, S10 and S15) were identified outside of the redline boundary but within the 50m to 100m buffer of the redline boundary of the Proposed Project. The location of these setts and further details are provided in the **Figures G-1 to G-12 of Appendix G and Table H-1 of Appendix H**.

Four of the 18 setts (S3 (BS1), S6 (BS2), S8 (BS3), and S9 (BS4)) were also recorded in the 2020 survey. Therefore, the 14 new setts recorded in 2023 are a material change. Eleven of the setts recorded in 2017 and 2020 were not recorded in 2023. Again, it is not considered that such fluctuations in sett activity, particularly for setts which are not main setts, is unusual given that badgers are mobile with sett activity able to change during and between years.

4 KEY MATERIAL CHANGES IN BASELINE

Six of the ten setts recorded in the survey carried out in 2020 were new compared to the 2017 survey. This was a material change in the baseline. The 14 new setts recorded in the most recent 2023 survey are also a material change.

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Appendix A

Badger Evidence along the Proposed Project Boundary 2020



Figure A-1 Badger evidence locations along the Proposed Project Boundary 2020 (Overview)



Figure A-2 Badger evidence locations along the Proposed Project Boundary 2020 (1)



Figure A-3 Badger evidence locations along the Proposed Project Boundary 2020 (2)



Figure A-4 Badger evidence locations along the Proposed Project Boundary 2020 (3)



Figure A-5 Badger evidence locations along the Proposed Project Boundary 2020 (4)



Figure A-6 Badger evidence locations along the Proposed Project Boundary 2020 (5)



Figure A-7 Badger evidence locations along the Proposed Project Boundary 2020 (6)

Appendix B

Badger Evidence along the Proposed Project Boundary 2020 Tabulated

Table B-1 Badger Survey Results

Activity	Label	Location	Description
Snuffle hole	BE1	Less than 10m away from BS2.	Single snuffle hole.
Trail/Snuffle mark	M6.1	Silloogue Golf course and westward to private road.	Some mammal trails but not conclusive badger, possible snuffle marks offline and west of Silloogue golfcourse in woodland
Trail	M6.2	Silloogue Golf course and westward to private road.	West of Silloogue golfcourse some evidence of badger trails.
Snuffle hole	M6.3	Silloogue Golf course and westward to private road.	Single snuffle hole.
Excavation	M8.2	AILSA lands eastwards to M1.	Two areas of excavation with some potential as badger. Many infilled or actively used by rabbits.
Scat	M8.3	AILSA lands eastwards to M1.	Fresh badger deposit in centre of field. No evidence of trails.
Scat	M8.4	AILSA lands eastwards to M1.	Old badger dropping.
Hole	M8.5	AILSA lands eastwards to M1.	Mostly rabbit burrows at corner of hedgerow, but two times larger holes. No evidence of recent badger
Latrine	M8.6	AILSA lands eastwards to M1.	Area had feel for badger. On the grass, there was a latrine with a single wet deposit. Evidence on both sides of hedgerow ditch is rabbit and inside ditch no obvious badger along base of ditch.
Print	M8.7	AILSA lands eastwards to M1.	Partial badger print.
Trail/Snuffle mark	M8.8	AILSA lands eastwards to M1.	Hint of trail in unmown sports field and snuffling.
Trail/Snuffle mark	M8.9	AILSA lands eastwards to M1.	Linear feature of snuffles along edge of hedgerow/sports field. A number of potential trails across scrub northwards but can coincide with grass dumping area also.
Trail/Snuffle mark	M8.10	AILSA lands eastwards to M1.	Some linear element of snuffling and clear trail, some rain obscured prints leading northwards.
Trial/Scat	M8.11	AILSA lands eastwards to M1.	No continuous trail but at least three areas along edge of hedgerow/rough field interface with repeat badger deposits. Some trails into dense scrub that could not be followed in most instances.
Trail	M10.1	Teagasc lands, West of road towards Woodland	Distinctive trails.
Trail	M10.2	Teagasc lands, West of road towards Woodland	Distinctive trails.

Activity	Label	Location	Description
Trail	M10.3	Teagasc lands, West of road towards Woodland	Some minor hints of badger trails along paths, including a trail that could not be followed into dense woodland.
Trail	M10.4	Teagasc lands, West of road towards Woodland	Well-worn mammal trail crossing steep ditch.
Trail	M10.5	Teagasc lands, West of road towards Woodland	Well-worn narrow trail between two fields.
Scat	M10.6	Teagasc lands, West of road towards Woodland	Badger deposit at edge of field.
Trial/Scat	M11.3	South of GAA club heading westwards than northwards	Number of trails and badger scat along edge of arable field.
Print	M11.4	South of GAA club heading westwards than northwards	One area of considerable prints, but no areas of obvious setts when proximal hedges searched.
Trail	M11.5	South of GAA club heading westwards than northwards	Badger trail on eastern side of hedgerow. Large elder on corner had potential for sett but no excavation in ditch
Snuffle mark	M11.6	South of GAA club heading westwards than northwards	Snuffle mark.
Trail	M11.7	South of GAA club heading westwards than northwards	Well-worn mammal trail across ditch – no prints discernible.
Trail	M11.8	Single field east of Teagasc lands – (TR visited)	Well-worn badger trail along northern boundary of field. The trail continued westwards into Teagasc lands but could not be followed from other side despite absence of recent vegetation management.
Trail	M11.9	Single field east of Teagasc lands – (TR visited)	Smaller hint of trail along access track, with one partial badger print near warehouse.
Trail	M12.1	West of Baldoyle Bay to Railway bridge	Hints of badger trail in some areas, but no setts.

Badger Setts along the Proposed Project Boundary 2020



Figure C-1 Badger sett locations along the Proposed Project Boundary 2020 (Overview)

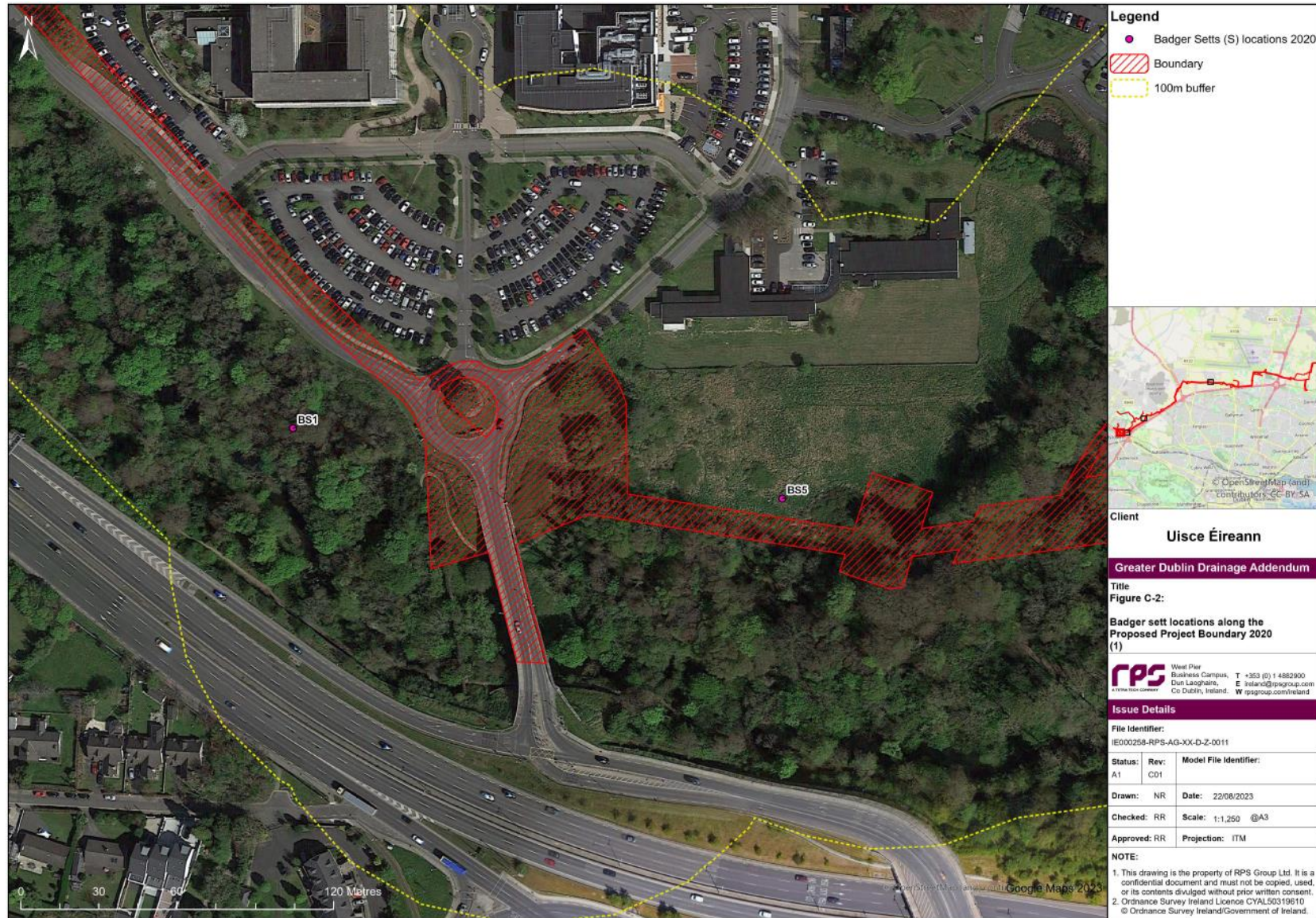


Figure C-2 Badger sett locations along the Proposed Project Boundary 2020 (1)



Figure C-3 Badger sett locations along the Proposed Project Boundary 2020 (2)



Figure C-4 Badger sett locations along the Proposed Project Boundary 2020 (3)



Figure C-5 Badger sett locations along the Proposed Project Boundary 2020 (4)

Appendix D

Badger Setts along the Proposed Project Boundary 2020 Tabulated

Table D-1 Badger Setts along the Proposed Project Boundary & 50m either side, 2020

Activity	Label	Location	Description
West			
Sett	BS1	40m south of Connolly Hospital Blanchardstown car park. 50m northeast from fence of main road, amongst scrub on hillside.	Disused outlier sett.
Sett	BS2	282m southeast of Connolly Hospital Blanchardstown car park. 10m from fence in scrub area.	Disused outlier sett.
Sett	BS3.1	476m east of Connolly Hospital Blanchardstown car park.	Partially used outlier sett.
Sett	BS3.2	5m southwest of BS3.1.	Disused outlier sett.
Sett	BS3.3	10m east of BS3.1.	Partially used outlier sett.
Sett	BS3.4	5m northeast of BS3.3.	Partially used outlier sett.
	BS4.1	16m northeast of BS3.1. 10m south of fence line among broken tree and soil heap.	Disused outlier sett.
Sett	BS4.2	On slope <5m southeast of BS4.1	Partially used outlier sett.
Sett	BS4.3	5m east of BS4.2	Disused outlier sett.
Sett	BS4.4	2m from fence line on flatter ground, 5m north of BS4.2	Disused outlier sett.
Sett	BS5	100m southeast of Connolly Hospital Blanchardstown car park. In spoil heap.	Partially used outlier sett.
Sett	BS6	275m southeast of Fastway Couriers Swords. 500m north of the M50. Among tree roots within hedgerow along a deep ditch.	Partially used outlier sett.
Sett	BS7	437m southeast of Sports Ireland Institute. 218m northwest of M50. Within earth embankment and dense unmanaged hedgerow between arable crop fields.	Disused outlier sett.
Sett	BS8	482m southeast of Sports Ireland Institute. 224m northwest of M50. Within earth embankment and dense unmanaged hedgerow between arable crop fields.	Disused outlier sett.
Sett	BS9	490m southeast of Sports Ireland Institute. 231m northwest of M50. Within	Disused outlier sett.

		earth embankment and dense unmanaged hedgerow between arable crop fields.	
Sett	BS10	597m east of Sports Ireland Institute. 236m northwest of M50. Within earth embankment and dense unmanaged hedgerow between arable crop fields.	Disused outlier sett.

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Appendix E

Badger Evidence along the Proposed Project Boundary 2023



Figure E-1 Badger evidence locations along the Proposed Project Boundary 2023 (Overview)

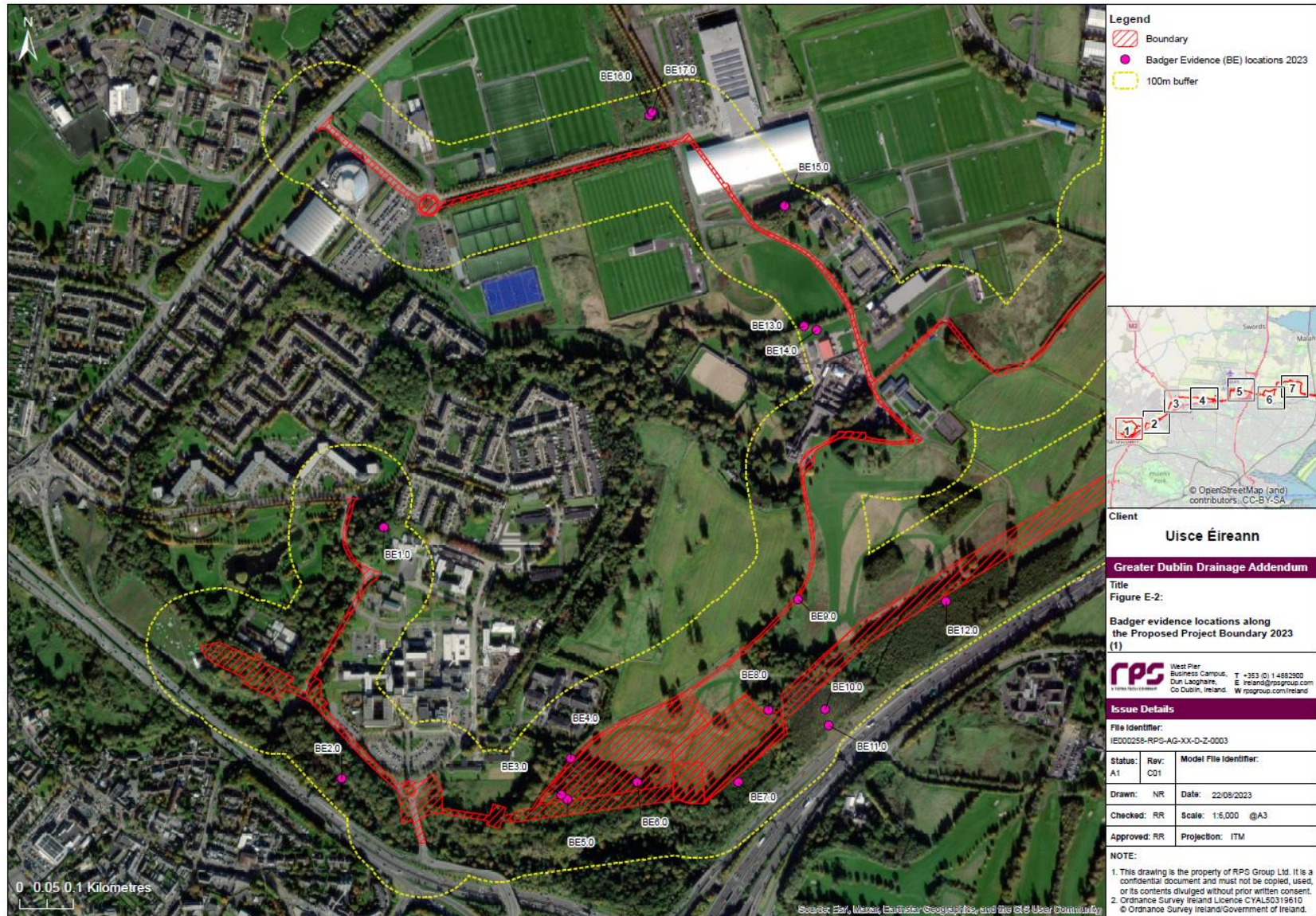


Figure E-2 Badger evidence locations along the Proposed Project Boundary 2023 (1)



Figure E-3 Badger evidence locations along the Proposed Project Boundary 2023 (2)

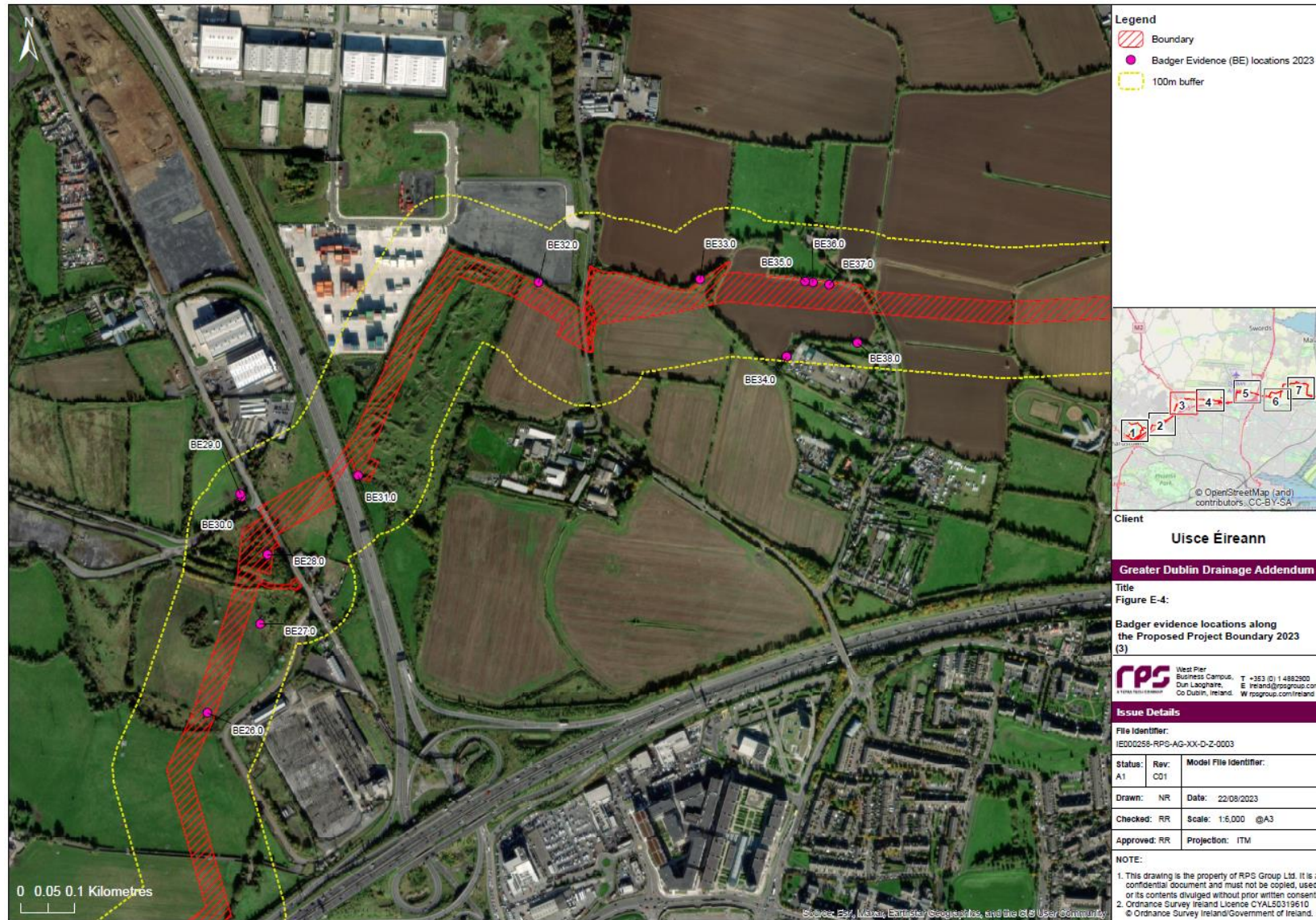


Figure E-4 Badger evidence locations along the Proposed Project Boundary 2023 (3)



Figure E-5 Badger evidence locations along the Proposed Project Boundary 2023 (4)



Figure E-6 Badger evidence locations along the Proposed Project Boundary 2023 (5)



Figure E-7 Badger evidence locations along the Proposed Project Boundary 2023 (6)



Figure E-8 Badger evidence locations along the Proposed Project Boundary 2023 (7)

Appendix F

Badger Evidence along the Proposed Project Boundary 2023 Tabulated

Table F-1 Badger Evidence along the Proposed Project Boundary & 100m either side, 2023

Activity	Label	Location	Description
Hair	BE1.0	In wooded area 28m NW of Connolly Hospital Laboratory, 67m east of access track.	Clump of white hair on the ground.
Snuffle hole	BE2.0	WL0002 – In wooded area 65m SW of Connolly Hospital southern carpark, 54m SW of redline boundary.	Potential snuffle hole x two.
Snuffle hole	BE3.0	WL0003 – In scrub 210m SE of Connolly Hospital southern carpark, 13m north of redline boundary.	Possibly old snuffle hole-vegetation present.
Snuffle hole	BE4.0	WL0003 - In wooded area 234m west of Connolly Hospital southern carpark, along access track.	Scat present with musty smell.
Snuffle hole	BE5.0	WL0003 - In scrub SE of Connolly Hospital southern carpark, 14m SE of BE3.0, 2m north of redline boundary.	Possible snuffle hole - vegetation present.
Snuffle hole	BE6.0	WL0003 - In scrub SE of Connolly Hospital southern carpark, 132m SE of BE5.0, 14m north of redline boundary.	Potential snuffle hole, surrounded with vegetation.
Snuffle hole	BE7.0	WL0003 - In wooded area east of Connolly Hospital southern carpark, just west of the M50, 188m east of BE6.0, 7m SE of redline boundary.	Old snuffle hole- surrounded by vegetation.
Latrine	BE8.0	WL0003 - In treeline south of Caveen Cemetery, east of Connolly Hospital southern carpark, just west of the M50, 0.6m north of redline boundary.	Numerous fresh, quite wet scats, smell musty. Note another scat nearby looked like fox.
Scat	BE9.0	WL0003 – Among a clump of trees in mid western part of Sport Ireland National Cross Country Track, 3m east of access track.	Fresh scat, some kind of seeds inside. Smells musty but odd location on road.
Snuffle hole	BE10.0	WL0003a - In felled area 105m east of BE8.0, just west of the M50, 36m SE of redline boundary.	Several potential snuffle holes in close proximity to each other.

Activity	Label	Location	Description
Snuffle hole	BE11.0	WL0003a - In felled area 30m SE of BE10.0, just west of the M50, 30m south of BE10.0.	Numerous potential snuffle holes, just adjacent to well-worn trail through woodland.
Snuffle hole	BE12.0	WL0003 – In wooded area NW of M50, 273 east of BE9.0, 10m SE of redline boundary.	Possible snuffle hole near mammal path - vegetation present, may be old.
Trail	BE13.0	In a hedgerow 31m north of the National Diving Centre, 88m west of the access tracks.	Badger sized trail through nettles leading into hedgerow.
Snuffle hole	BE14.0	Below hedgerow north of the National Diving Centre, 23m SE of BE13.0.	Musty smell.
Latrine	BE15.0	In wooded area 48m west of the Irish Olympic Handball Association, 72m east of the access tracks.	Potential snuffle hole.
Snuffle hole	BE16.0	In scrub area between the GAA Centre of Excellence and Sport Ireland National Indoor Arena. 56m north of access tracks.	Single snuffle hole.
Trail	BE17.0	In scrub area 7m NE of BE16.0.	Badger sized trail through grass parallel to hedgerow.
Scat	BE18.0	WL0004 – On edge of footpath 185m SW of Malley Sports, 4.5m east of access tracks.	Smells musty.
Snuffle hole	BE19.0	WL0004 – In field, 170m east of A Plus Skip Hire, 68m SE of redline boundary, 61m NW of M50.	Potential snuffle holes.
Scat	BE20.0	WL0007 – In wooded area within redline boundary, 52m north of where Cappagh road crosses M50.	Smells musty.
Snuffle hole	BE21.0	WL0007 – Next to treeline, 89m NE of BE20.0, 31m east of access tracks, 6m west of redline boundary.	Three snuffle holes. Potentially badger.
Snuffle hole	BE22.0	WL0008 - Next to treeline, 56m NE of BE21.0.	Several possible snuffle holes.
Snuffle hole	BE23.0	WL0008 - Next to treeline, 26m NE of BE22.0.	Several potential snuffle holes.
Scat	BE24.0	WL0009 – 209m NW of Harvey Norman Nedding Warehouse, just south of a hedgerow, 96m NW of redline boundary.	Fresh badger scat, smells musty
Scat	BE25.0	WL0009 – Just west of a hedgerow, 87m SE of BE24.0, 9m north of the redline boundary.	Potential badger scat smells musty.

Activity	Label	Location	Description
Scat	BE26.0	WL0011 – At SE corner of field, in grassland, within redline boundary, 43m NW of road bordering NW corner of Finglas 220kV Station.	Smells musty, likely badger. Not too fresh.
Scat	BE27.0	WL0011a – In scrub 26m SE of redline boundary, 127m SW of AnCu Veterinary Clinic.	Dry/old badger scatt (badger smell) adjacent to dense bramble area.
Scat	BE28.0	WL0011a – In wooded area, within redline boundary, 50m west of AnCu Veterinary Clinic.	Old badger scat, smells musty
Scat	BE29.0	WL0011a – In SE corner of field, 19m west of North Road, 42m NW of redline boundary, 94m SW of Coopers coffee.	Fresh badger scat.
Scat	BE30.0	WL0011a – In SE corner of field, 6m SE of BE29.0.	Fresh badger scat.
Scat	BE31.0	WL0015 – SW corner of field of recolonising bare ground at Coldwinters site, within redline boundary, 10m east of N2.	Smells musty.
Snuffle hole	BE32.0	WL0015 – Top of agricultural field, along south side of hedgerow, 6m north of redline boundary, 85m west of R122.	Potential snuffle hole.
Snuffle hole	BE33.0	WL0017 – SE corner of agricultural field, north of tree line, 200m east of R122, 3m NW of redline boundary.	Potential snuffle hole.
Snuffle hole	BE34.0	WL0017 – Field side of hedgerow, 10m west of A1 Auto Care.	Potential snuffle hole.
Snuffle hole	BE35.0	WL0017 – Field side of hedgerow, within redline boundary, 140m NE of BE34.0.	Potential snuffle holes together.
Snuffle hole	BE36.0	WL0017 – Field side of hedgerow, within redline boundary, 15m east of BE35.0.	Potential snuffle holes.
Scat	BE37.0	WL0017 – Field side of hedgerow, within redline boundary, 29m east of BE36.0.	Fresh scat, smells musty likely badger.
Snuffle hole	BE38.0	WL0017 – Field side of hedgerow, 58m south of redline boundary, 132m NE of BE34.0.	Potential snuffle hole.
Snuffle hole	BE39.0	WL0019 – Field side of hedgerow, 15m south of	Potential snuffle hole near hedgerow.

Activity	Label	Location	Description
		redline boundary, 406m north of Sillogue Water Tower.	
Snuffle hole	BE40.0	WL0019 – Within the same field as BE39.0 and 185m SE, field side of hedgerow, 68m south of redline boundary.	Single snuffle hole.
Snuffle hole	BE41.0	WL0020 – Opposite side of hedgerow to BE40.0 in a different field. 73m NE of BE40.0, 13m south of redline boundary.	Potential snuffle hole near hedgerow.
Snuffle hole	BE42.0	WL0023 – In Sillogue Park Golf Club, in a wooded area enclosed on either side by fields from WL0020 & WL0021. 77m south of the redline boundary.	Seven potential snuffle holes.
Snuffle hole	BE43.0	WL0021 – 348m south of Sillogue Farm, in a field along a hedgerow. 10m north of the redline boundary.	Potential snuffle holes x two.
Snuffle hole	BE44.0	271m north of Dardistown Cemetery, 16m SE of Swords Road. 55m NE of the redline boundary, in an area of scrub.	Potentially a snuffle hole.
Snuffle hole	BE45.0	At edge of field, 39m SE of BE44.0.	Single snuffle hole.
Snuffle hole	BE46.0	WL0033/34 - 327m SE of BE45.0, 82m north of the redline boundary, along a hedgerow.	Single snuffle hole.
Trail	BE47.0	WL0039 – On the western side of this wayleave, on the southern edge of the central part of the plantation. 240m south of Orby House & 41m south of the redline boundary.	Trail leading into dense brambles, unable to follow further.
Snuffle hole	BE48.0	WL0039 – On the edge of the plantation, 43m east of BE47.0.	Multiple snuffle holes within close proximity.
Trail	BE49.0	WL0039 – On the edge of the plantation, 33m NE of BE48.0.	Definite mammal trail, possibly too small for badger.
Snuffle hole	BE50.0	WL0039 – On the edge of the plantation, 12m east of BE49.0.	Twelve snuffle holes in close proximity.
Snuffle hole	BE51.0	WL0039 – On the edge of the plantation, 14m east of BE50.0.	Single snuffle hole.
Snuffle hole	BE52.0	WL0039 – Within the central part of the plantation, 166m SE of Orby House, and 40m	Single snuffle hole.

Activity	Label	Location	Description
		south of the redline boundary.	
Snuffle hole	BE53.0	WL0039 – Within the plantation, 8m NE of BE52.0.	Single snuffle hole.
Snuffle hole	BE54.0	WL0039 – Within the plantation, 15m NE of BE53.0.	Single snuffle hole.
Trail	BE55.0	WL0039 – On the edge of the northern part of the plantation, 65m east of Orby House and 50m south of Baskin Lane.	Trail leading into dense bramble scrub, could not follow any further.
Trail	BE56.0	WL0043 – Within the redline boundary. On the edge of the agricultural field, 193m SE of Trinity Gaels GAA club.	Trail leading into area of scrub.
Footprint	BE57.0	ACQ0005 - 133m SE of Craobh Chiarain GAA building. 6m north of redline boundary.	Single badger print in mud along river bank.

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Badger Setts along the Proposed Project Boundary 2023



Figure G-1 Badger sett locations along the Proposed Project Boundary 2023 (Overview)



Figure G-2 Badger sett locations along the Proposed Project Boundary 2023 (1)

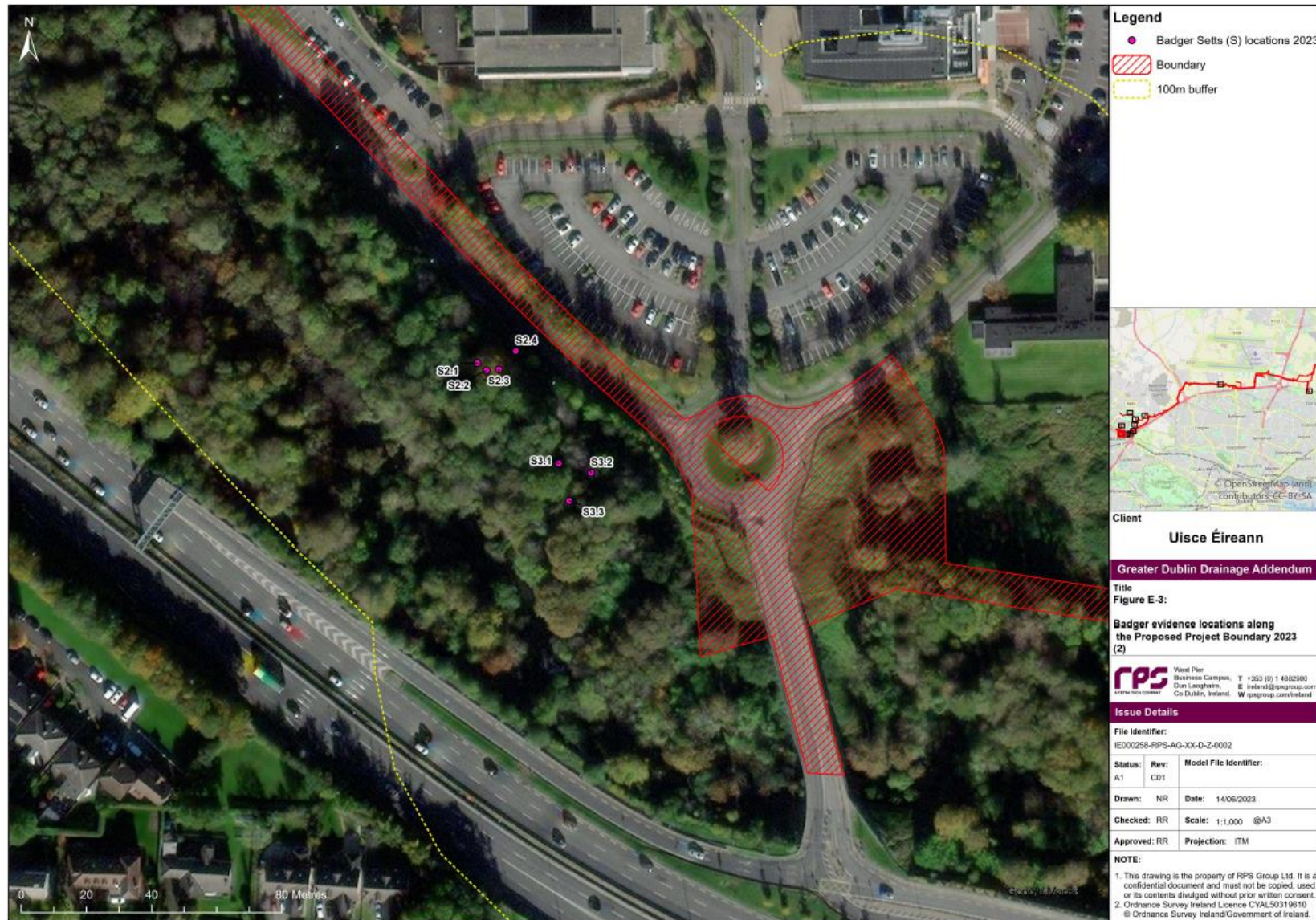


Figure G-3 Badger sett locations along the Proposed Project Boundary 2023 (2)

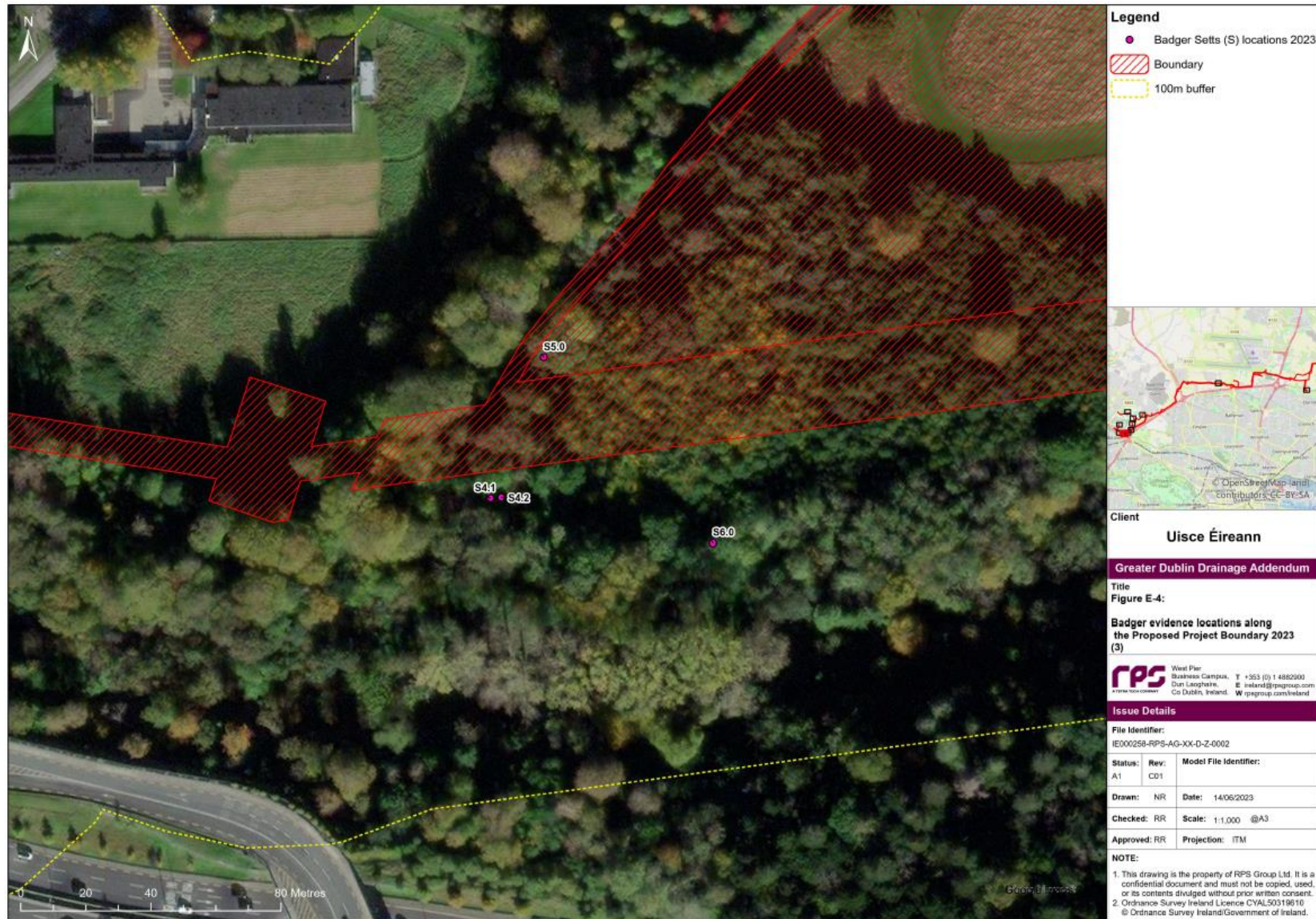


Figure G-4 Badger sett locations along the Proposed Project Boundary 2023 (3)

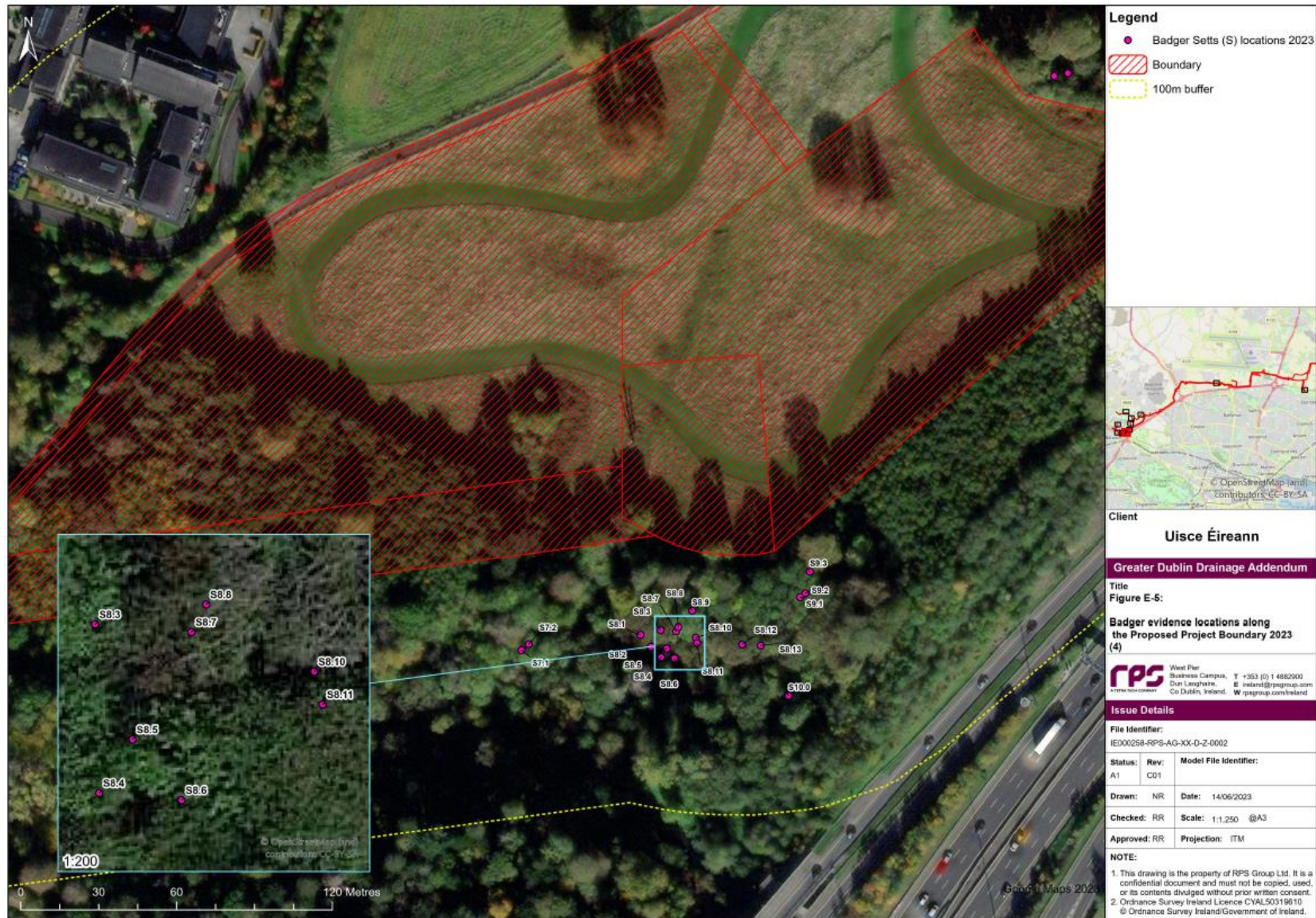


Figure G-5 Badger sett locations along the Proposed Project Boundary 2023 (4)



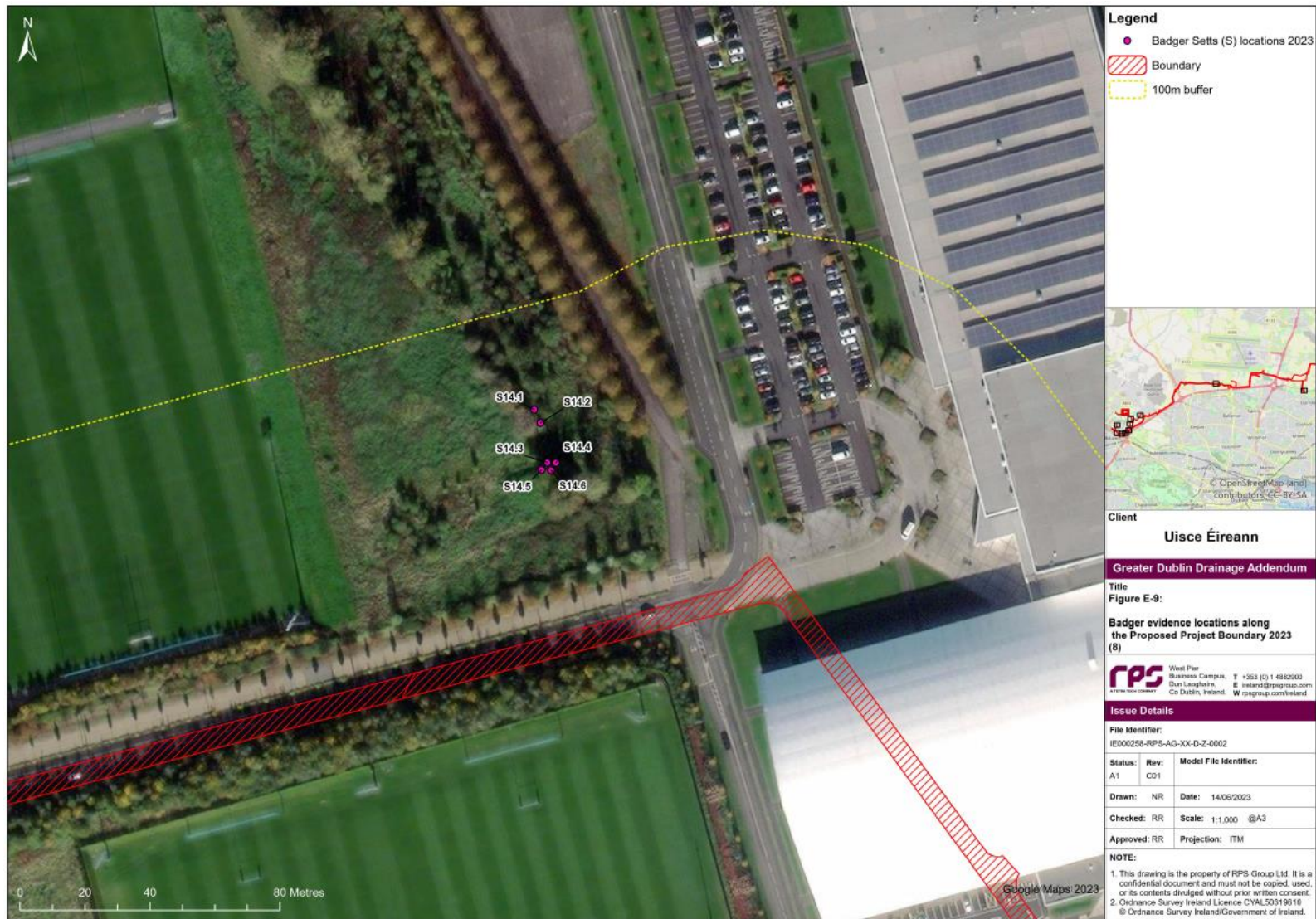
Figure G-6 Badger sett locations along the Proposed Project Boundary 2023 (5)



Figure G-7 Badger sett locations along the Proposed Project Boundary 2023 (6)



Figure G-8 Badger sett locations along the Proposed Project Boundary 2023 (7)



Legend

- Badger Setts (S) locations 2023
- ▨ Boundary
- ⋯ 100m buffer

Client
Uisce Éireann

Greater Dublin Drainage Addendum

Title
Figure E-9:
Badger evidence locations along the Proposed Project Boundary 2023 (8)

Issue Details

File Identifier: IE000258-RPS-AG-XX-D-Z-0002		
Status: A1	Rev: CD1	Model File Identifier:
Drawn: NR	Date: 14/06/2023	
Checked: RR	Scale: 1:1,000 @A3	
Approved: RR	Projection: ITM	

NOTE:

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Figure G-9 Badger sett locations along the Proposed Project Boundary 2023 (8)



Figure G-10 Badger sett locations along the Proposed Project Boundary 2023 (9)



Figure G-11 Badger sett locations along the Proposed Project Boundary 2023 (10)



Figure G-12 Badger sett locations along the Proposed Project Boundary 2023 (11)

Appendix H

Badger setts along the Proposed Project Boundary 2023 Tabulated

Table H-1 Badger Setts along the Proposed Project Boundary & 100m either side, 2023

Activity	Label	Location	Description
Sett	S1.1	In wooded area 28m NW of Connolly Hospital Laboratory, 67m east of access tracks.	Disused main sett.
Sett	S1.2	In wooded area NW of Connolly Hospital Laboratory, 0.8m NE of S1.1.	Disused main sett.
Sett	S1.3	In wooded area NW of Connolly Hospital Laboratory, 4m NE of S1.2.	Disused main sett.
Sett	S1.4	In wooded area NW of Connolly Hospital Laboratory, 3m SW of S1.1.	Disused main sett. Vegetated spoil heap present.
Sett	S1.5	In wooded area NW of Connolly Hospital Laboratory, 3m SW of S1.4.	Partially used main sett. Vegetated spoil heap present.
Sett	S1.6	In wooded area NW of Connolly Hospital Laboratory, 8m SE of S1.5.	Partially used main sett.
Sett	S1.7	In wooded area NW of Connolly Hospital Laboratory, 3m SW of S1.6.	Partially used main sett. Vegetated spoil heap present.
Sett	S1.8	In wooded area NW of Connolly Hospital Laboratory, 4m SW of S1.7.	Disused main sett.
Sett	S1.9	In wooded area NW of Connolly Hospital Laboratory, 3m SE of S1.8.	Well used main sett. Spoil heap present.
Sett	S1.10	In wooded area NW of Connolly Hospital Laboratory, 1m SW of S1.9.	Disused main sett.
Sett	S1.11	In wooded area NW of Connolly Hospital Laboratory, 2m south of S1.10.	Partially used main sett. Spoil heap present.
Sett	S2.1	WL0002 – In wooded area 32m SW of Connolly Hospital southern car park, 21m SW of redline boundary.	Disused subsidiary sett.
Sett	S2.2	WL0002 – In wooded area SW of Connolly Hospital southern car park, 4m SE of S2.1.	Disused subsidiary sett. Vegetated spoil heap present.
Sett	S2.3	WL0002 – In wooded area SW of Connolly Hospital southern car park, 4m east of S2.2.	Disused subsidiary sett. Vegetated spoil heap present.
Sett	S2.4	WL0002 – In wooded area SW of Connolly Hospital	Disused subsidiary sett. Vegetated spoil heap present.

Activity	Label	Location	Description
		southern car park, 8m NE of S2.3.	
Sett	S3.1	WL0002 – In wooded area 40m SW of Connolly Hospital southern car park, 35m SE of S2.3. 26m SW of redline boundary.	Disused subsidiary sett.
Sett	S3.2	WL0002 – In wooded area SW of Connolly Hospital southern car park, 10m SE of S3.1.	Disused subsidiary sett.
Sett	S3.3	WL0002 – In wooded area SW of Connolly Hospital southern car park, 11m SW of S3.2.	Disused subsidiary sett. Vegetated spoil heap present.
Sett	S4.1	WL0003 – In wooded area 208m SE of Connolly Hospital southern car park, 8m south of redline boundary.	Partially used outlier sett.
Sett	S4.2	WL0003 – In wooded area SE of Connolly Hospital southern car park, 3m east of S4.1.	Partially used outlier sett. Spoil heap present.
Sett	S5.0	WL0003 – In wooded area 200m SE of Connolly Hospital southern car park, 3m SE of redline boundary.	Disused outlier sett.
Sett	S6.0	WL0003 – In wooded area 273m SE of Connolly Hospital southern car park, 30m south of redline boundary.	Partially used outlier sett.
Sett	S7.1	WL0003 – In wooded area 400m SE of Connolly Hospital southern car park, 37m south of redline boundary.	Disused outlier sett.
Sett	S7.2	WL0003 – In wooded area SE of Connolly Hospital southern car park, 4m NE of S7.1.	Disused outlier sett.
Sett	S8.1	WL0003 – In wooded area SE of Connolly Hospital southern car park, 43m east of S7.2.	Disused main sett.
Sett	S8.2	WL0003 – In wooded area SE of Connolly Hospital southern car park, 6m SE of S8.1.	Disused main sett.
Sett	S8.3	WL0003 – In wooded area SE of Connolly Hospital southern car park, 7m NE of S7.2.	Disused main sett.
Sett	S8.4	WL0003 – In wooded area SE of Connolly Hospital	Disused main sett.

Activity	Label	Location	Description
		southern car park, 10m south of S8.3.	
Sett	S8.5	WL0003 – In wooded area SE of Connolly Hospital southern car park, 4m NE of S8.4.	Partially used main sett. Spoil heap present.
Sett	S8.6	WL0003 – In wooded area SE of Connolly Hospital southern car park, 5m SE of S8.5.	Disused main sett.
Sett	S8.7	WL0003 – In wooded area SE of Connolly Hospital southern car park, 10m north of S8.6.	Disused main sett.
Sett	S8.8	WL0003 – In wooded area SE of Connolly Hospital southern car park, 2m NE of S8.7.	Disused main sett.
Sett	S8.9	WL0003 – In wooded area SE of Connolly Hospital southern car park, 8m NE of S8.8.	Disused main sett.
Sett	S8.10	WL0003 – In wooded area SE of Connolly Hospital southern car park, 11m south of S8.9.	Disused main sett.
Sett	S8.11	WL0003 – In wooded area SE of Connolly Hospital southern car park, 2m SE of S8.10.	Disused main sett.
Sett	S8.12	WL0003 – In wooded area SE of Connolly Hospital southern car park, 17m east of S8.11.	Disused main sett. Fully covered and overgrown.
Sett	S8.13	WL0003 – In wooded area SE of Connolly Hospital southern car park, 7m east of S8.12.	Disused main sett.
Sett	S9.1	WL0003 – In wooded area SE of Connolly Hospital southern car park, 24m NE of S8.13. 20m SE of redline boundary.	Partially used subsidiary sett. Vegetated spoil heap present.
Sett	S9.2	WL0003 – In wooded area SE of Connolly Hospital southern car park, 2m NE of S9.2.	Well used subsidiary sett. Spoil heap present.
Sett	S9.3	WL0003 – In wooded area SE of Connolly Hospital southern car park, 9m north of S9.2.	Well used subsidiary sett. Spoil heap present.
Sett	S10.0	WL0003 – In wooded area SE of Connolly Hospital southern car park, 22m SE of S8.13, 55m south of the redline boundary.	Disused outlier sett.

Activity	Label	Location	Description
Sett	S11.1	WL0003 - In treeline SE of Caveen Cemetery, east of Connolly Hospital, just west of the M50. 10m north of redline boundary.	Partially used outlier sett. Vegetated spoil heap present.
Sett	S11.2	WL0003 - In treeline at Caveen Cemetery. 5m east of S11.1. 12m north of redline boundary.	Partially used outlier sett. Vegetated spoil heap present.
Sett	S12.1	In wooded area 68m south of Abbotstown House. 13m west of access tracks.	Partially used outlier sett. Musty smell. Not typical badger shaped opening.
Sett	S12.2	In wooded area south of Abbotstown House. 1m NE of S12.1	Disused outlier sett.
Sett	S13.1	In a hedgerow 27m north of the National Diving Centre, 87m west of the access tracks.	Partially used outlier sett.
Sett	S13.2	In a hedgerow 34m NE of S13.1. 53m west of the access tracks.	Partially used outlier sett. Spoil heap present.
Sett	S13.3	In a hedgerow 7m NE of S13.2. 46m west of the access tracks.	Partially used outlier sett.
Sett	S13.4	In a hedgerow 6m NE of S13.3. 40m west of the access tracks.	Partially used outlier sett. Spoil heap present.
Sett	S14.1	In scrub area between the GAA Centre of Excellence and Sport Ireland National Indoor Arena. 68m north of access tracks.	Partially used main sett.
Sett	S14.2	In scrub area 4.5m SE of S14.1. 64m north of access tracks.	Well used main sett. Spoil heap present. Strong musty smell.
Sett	S14.3	In scrub area 12m south of S14.2. 51m north of access tracks.	Partially used main sett. Spoil heap present.
Sett	S14.4	In scrub area 3m east of S14.3. 51m north of access tracks.	Disused main sett.
Sett	S14.5	In scrub area 5m SW of S14.4. 50m north of access tracks.	Well used main sett. Spoil heap present
Sett	S14.6	In scrub area 3m west of S14.5. 49m north of access tracks.	Well used main sett. Spoil heap present
Sett	S15.0	Along a hedgerow, 167m east of Cricket Ireland High Performance Training Centre. 51m west of the access tracks.	Disused outlier sett.
Sett	S16.1	Along a hedgerow 174m south of Rosemount Business Park. 161m NE of	Partially used outlier sett.

Activity	Label	Location	Description
		S15.0. 2m SE of the access tracks.	
Sett	S16.2	1.8m NE of S16.1. 0.8m SE of the access tracks.	Well used outlier sett. Spoil heap and badger hairs present.
Sett	S17.0	WL0021 – Within the redline boundary. 416m SW of Sillogue Farm, in a field along a hedgerow.	Partially used outlier sett. Spoil heap present. Strong musty smell.
Sett	S18.1	ACQ0005 - 134m SE of Craobh Chiarain GAA building. 6m north of redline boundary.	Partially used outlier sett. Spoil heap present.
Sett	S18.2	ACQ0005 – 0.3m SE of S18.1.	Partially used outlier sett. Spoil heap present.

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Appendix I Proposed Construction Corridor, Access Routes, Compounds & Crossing

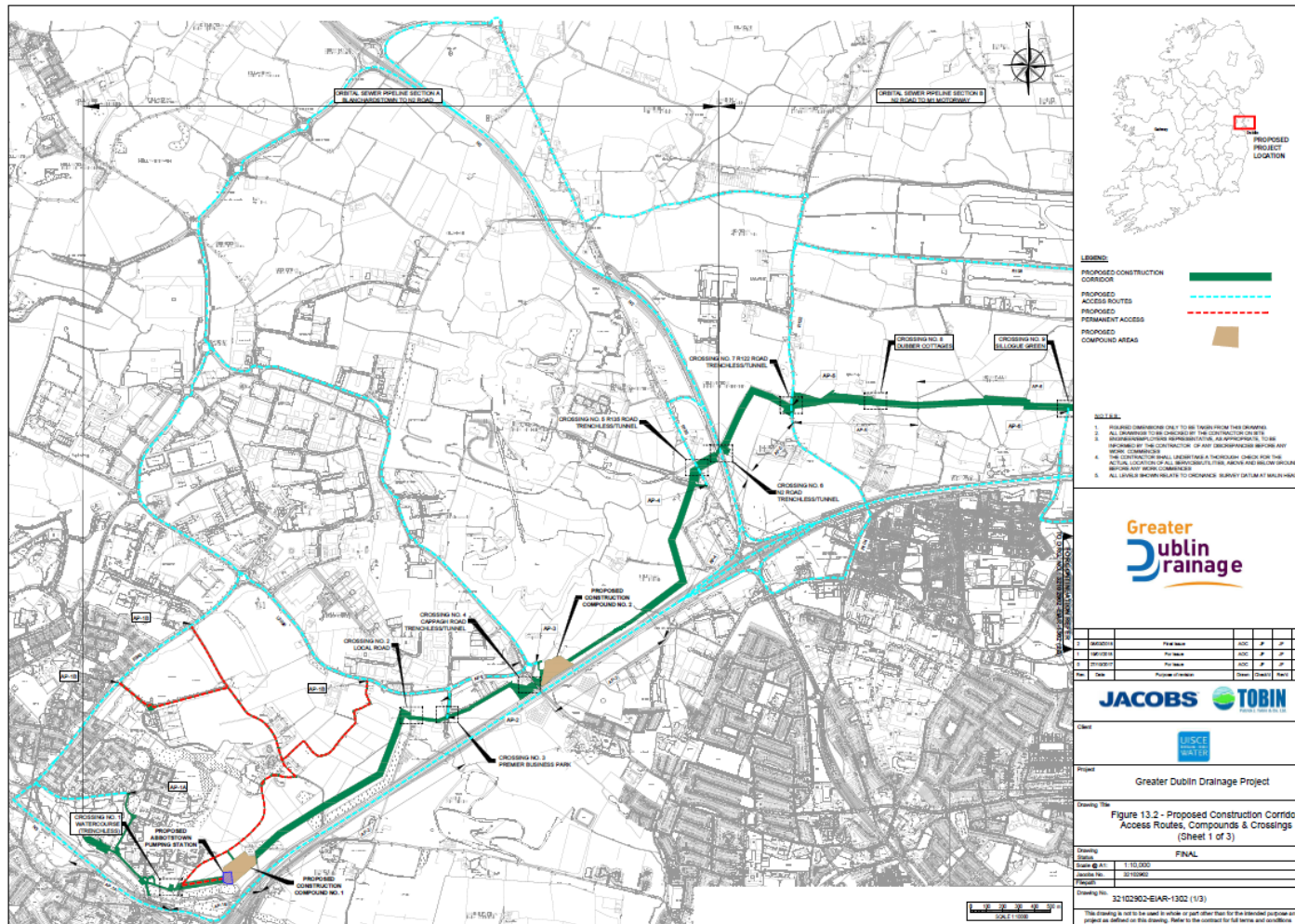


Figure I-1 Proposed Construction Corridor, Access Routes, Compounds & Crossings, Sheet (1-3)

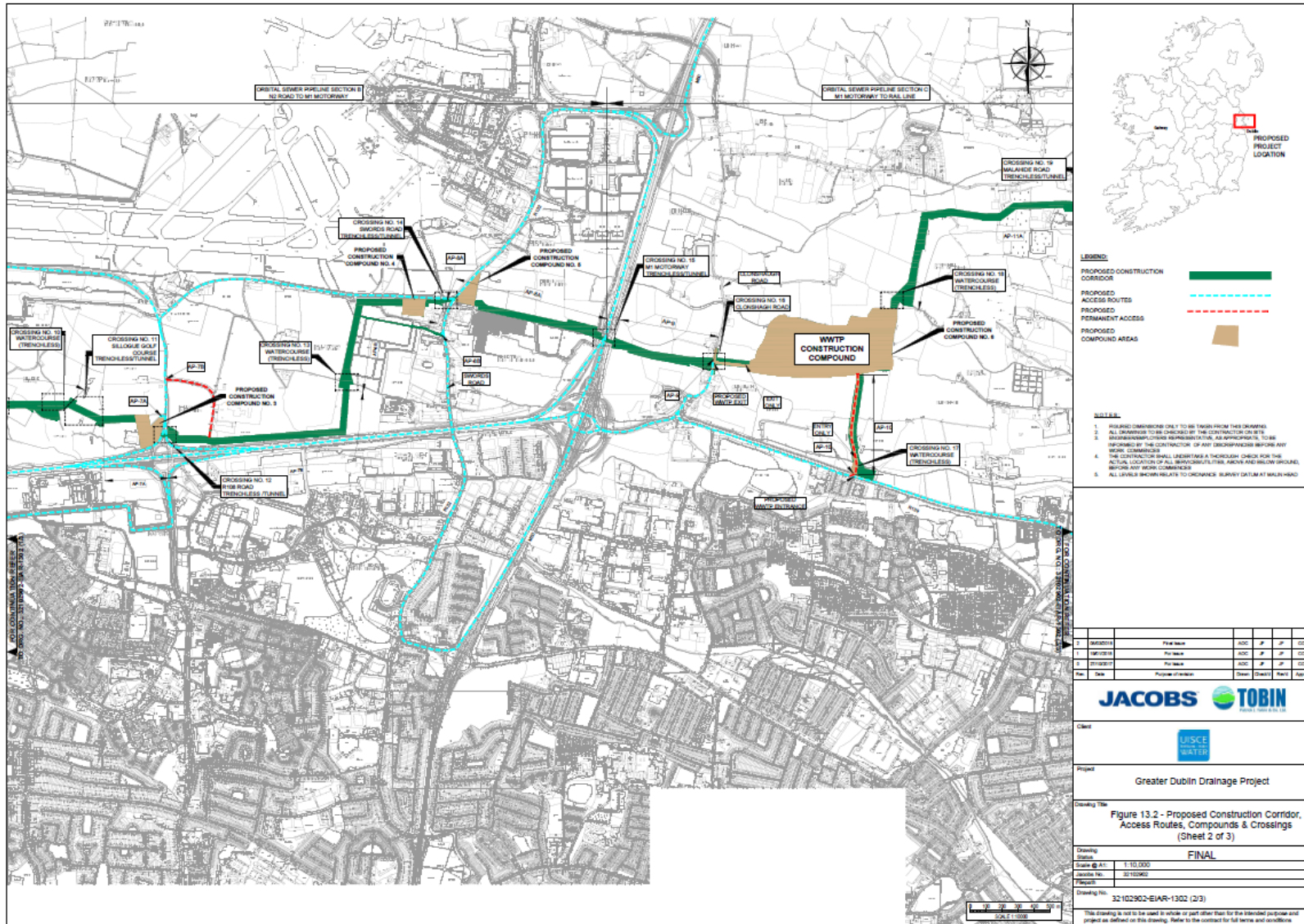


Figure I-2 Proposed Construction Corridor, Access Routes, Compounds & Crossings, Sheet (2-3)

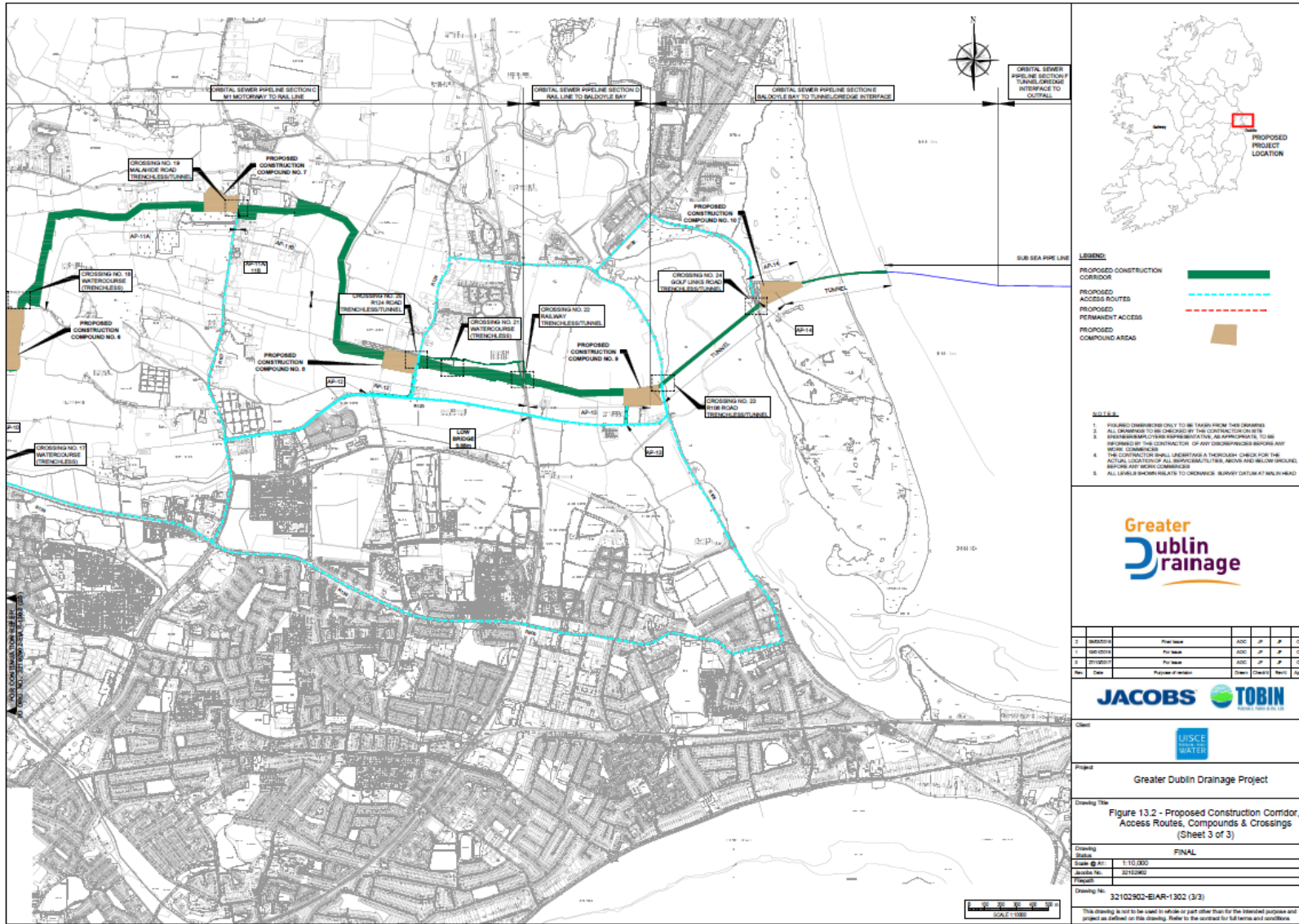


Figure I-3 Proposed Construction Corridor, Access Routes, Compounds & Crossings, Sheet (3-3)

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