H2Teesside Project

Environmental Statement

Volume III – Appendices

Appendix 12A: Extended Phase 1 Habitat and Botanical Survey Report

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The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (as amended)

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12A.0 EXTENDED PHASE 1 HABITAT AND BOTANICAL SURVEY REPORT

12A.1 Introduction

Background

12A.1.1 The Proposed Development Site shown in 12-A-1 comprises the construction, operation (including maintenance where relevant), and decommissioning of an up to 1.2-Gigawatt Thermal (GWth) Lower Heating Value (LHV) Carbon, Capture and Storage (CCS) enabled Hydrogen Production Facility located in Teesside, along with pipeline infrastructure required to supply hydrogen (H_2) to offtakers and the necessary utility connections.

12A.1.2 The Applicant is H2 Teesside Limited, a bp company. H2 Teesside Limited will be the lead developer of the Proposed Development and bp will be appointed as the operator of the Proposed Development.

12A.1.3 This Appendix has been prepared to accompany Chapter 12: Ecology and Nature Conservation (Including Aquatic Ecology) (ES Volume I, EN070009/APP/6.2) and details the methodologies used whilst compiling information and ecological baseline conditions relating to designated sites and habitats, and their suitability to support protected and notable species of flora and fauna.

12A.1.4 Baseline data presented in this Appendix has been used to inform the assessment within Chapter 12: Ecology and Nature Conservation (Including Aquatic Ecology) (ES Volume I, EN070009/APP/6.2). The terms of reference used to describe the Proposed Development in this report are consistent with those defined within Chapter 4: Proposed Development (ES Volume I, EN070009/APP/6.2).

12A.1.5 Separate detailed surveys were undertaken for selected habitats and protected, and notable species identified as potentially being affected by the Scheme (either directly impacted or occurring adjacent to proposed working areas or access routes). This further baseline information is provided in the following technical appendices:

- Appendix 12B: GCN Survey Report;
- Appendix 12C: Bat Survey Report;
- Appendix 12D: Reptile Survey Report;
- Appendix 12E: Invertebrate Survey Report;
- Appendix 12F: Water Vole and Otter Survey Report;
- Appendix 12G: Aquatic Ecology Survey Report; and
- Appendix 13A: Ornithology Baseline Report.

The Proposed Development

12A.1.6 The Applicant proposes the construction, operation (including maintenance where relevant) and decommissioning of an approximately 1.2-Gigawatt Thermal (GWth) Lower Heating Value (LHV) Carbon, Capture and Storage (CCS) enabled Hydrogen

Production Facility (located in the areas known as the 'The Main Site') located in Teesside, along with the pipeline infrastructure required to supply hydrogen (H_2) to offtakers (customers) and the necessary utility connections. A description of the Proposed Development and Terms of Reference are provided in Chapter 4 (ES Volume I, EN070009/APP/6.2).

12A.1.7 The Proposed Development's purpose is the conversion of methane, from the North Sea storage sites, into hydrogen (with carbon dioxide byproduct captured and stored), for the increased provision of hydrogen supplies as the UK aims to expand its hydrogen energy targets and decarbonise heavy industry and transport.

Scope of the Report

12A.1.8 The purpose of this report was to define the baseline terrestrial ecological conditions within the Proposed Development Site, and to determine the need for further survey work to inform the Ecological Impact Assessment (EcIA) that is reported upon in ES Chapter 12.

12A.1.9 This report therefore identifies:

- statutory and non-statutory biodiversity nature designations within the potential zone of influence of the Proposed Development;
- habitats present within the Proposed Development Site, and adjacent areas where there is potential for direct or indirect effects from the Proposed Development;
- the potential of the habitats recorded (where possible and accessible) to support protected and notable species of flora and fauna; and
- requirements for relevant follow up species surveys to define the ecological baseline.

Relevant Legislation, Planning Policy, and Guidance

12A.1.10 Legislation, planning policy and guidance relevant to the Proposed Development is presented in Annex 2.

12A.2 Methods

12A.2.1 This section of the Appendix outlines the methodology used to gather desk study information and baseline Phase 1 habitat survey data for the Proposed Development Site, as well as assessing the suitability of habitats to support protected and notable fauna and flora.

12A.2.2 The technical approach to habitat survey and assessment is based on standard techniques for Phase 1 habitat survey (Joint Nature Conservation Committee (JNCC), 2016) and the Chartered Institute of Ecology and Environmental Management's (CIEEM) Guidelines for Preliminary Ecological Appraisal (PEA) (CIEEM, 2017).

12A.2.3 For the purpose of this Appendix, protected and notable habitats and species are identified with reference to CIEEM's PEA guidance (CIEEM, 2017). Protected and

notable habitats and species include those listed under Schedules 1, 5 and 8 of the Wildlife and Countryside Act 1981 (as amended) (WCA); Schedules 2, 4 and 5 of the Habitats Regulations; species and habitats of Principal Importance for nature conservation in England listed under Section 41 of the Natural Environment and Rural Communities Act 2006 (NERC Act); and species covered by national or local action plans or Red Data Lists.

Study Area

12A.2.4 The 'Zone of Influence' (ZoI) for the Proposed Development is the area over which ecology and biodiversity features may be affected by biophysical changes because of the Proposed Development and associated activities (CIEEM, 2022). Therefore, the study areas for baseline data gathering (as described below) were defined on a precautionary basis to obtain sufficient data to inform the EcIA.

12A.2.5 Identification of the ZoI started with an initial scoping of the potential sources of impact and the pathways for impacts on different ecological features. Pathways for impacts are how activities of the Proposed Development may lead to environmental changes, which then have effects on ecosystems, habitats and species. Consequently, the determination of the ZoI considers the land required for the Proposed Development and the potential for disturbance and emissions at each phase as described in Chapter 4: Proposed Development (ES Volume I, EN070009/APP/6.2).

12A.2.6 Based on this, the most extensive impact pathways from the Proposed Development are those relating to air quality (CIEEM, 2021), noise and visual disturbance and water. The likely ZoI arising from these pathways has been informed by the standard good practice study areas applied in the impact assessments of other disciplines, particularly Water Environment (Chapter 9: Surface Water, Flood Risk and Water Resources (ES Volume I, EN070009/APP/6.2)), Noise and Vibration (Chapter 11: Noise and Vibration (ES Volume I, EN070009/APP/6.2)), and Air Quality (Chapter 8: Air Quality (ES Volume I, EN070009/APP/6.2) and Chapter 15: Traffic and Transport (ES Volume I, EN070009/APP/6.2)).

Desk Study

12A.2.7 A desk study was undertaken to identify nature conservation designations, protected and notable habitats and species potentially relevant to the Proposed Development.

12A.2.8 The desk study areas used to gather baseline data were specific to support collation of sufficient data to meet worst-case data needs for robust EcIA in accordance with Rochdale Envelope principles (National Infrastructure Planning, 2018). They were defined based on professional judgement and an understanding of the maximum distances typically considered by statutory consultees.

12A.2.9 The worst-case desk study areas applied are in effect those specified within current best practice guidelines for the assessment of air quality impacts (CIEEM, 2021; IAQM, 2020). Accordingly, the desk study identified any international and national statutory nature conservation designations within 15 km of the Main Site; other

statutory and non-statutory nature conservation designations within 2 km of the Proposed Development Site; and protected and notable habitats and species within 2 km of the Proposed Development Site.

12A.2.10 Date sources are listed in Table 12A-1.

Table 12A-1: Desk Study Data Sources

DATA SOURCE	ACCESSED/RECEIVED	DATA OBTAINED
Multi-Agency Geographic Information for the Countryside (MAGIC) website https://magic.defra.gov.uk/	November and December 2022	International and national statutory designations within 15 km of the Proposed Development Site. Local statutory designations within 2 km. Ancient woodlands and notable habitats within 2 km. European protected species licences and Natural England great crested newt (*Triturus cristatus)* survey data within 2 km.
Joint Nature Conservation Committee (JNCC) website https://designatedsites.naturalengland.org.uk/	November 2022	Citations for Internationally Designated Sites, Special Protection Areas (SPA), Special Areas of Conservation (SAC) and Ramsar Sites.
Natural England website https://designatedsites.naturalengland.org.uk/SiteSearch.aspx	December 2022	Citations for Designated Sites including SPA, SAC and Ramsar Sites, Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR) and details on Local Nature Reserves (LNR).
Environmental Records and Information Centre (ERIC) North-East	August 2022	Non-statutory designations within 2 km. Protected and notable species records within 2 km (records for the last 10 years only, dated from 2012). Potential Habitats of Principal Importance within 2 km.
Tees Valley Nature Partnership website https://teesvalleynaturepartnership.org.uk/	December 2022	General information on Local Biodiversity Action Plan (LBAP) Priority Habitats and Species.
Industry Nature Conservation Association (INCA)	July 2022	Records of notable species, roosts, breeding site locations for several species and invasive plant locations.

DATA SOURCE	ACCESSED/RECEIVED	DATA OBTAINED
Net Zero Teesside Environmental Statement – Main Text. Chapter 12: Terrestrial Ecology and Nature Conservation (bp, 2021a)	December 2022	Ecological impact assessment for the Net Zero Teesside (NZT) project.
Net Zero Teesside – Environmental Statement – Appendix 12C: Preliminary Ecological Appraisal Report (bp, 2021b)	December 2022	Information on habitats and species recorded during surveys to inform the NZT project.
Net Zero Teesside Environmental Statement – Appendix 12D: Bat Survey report (bp, 2021c)	December 2022	Results of bat surveys completed to inform the NZT project.
Net Zero Teesside – Environmental Statement – Appendix 12E: Reptile Survey Report (bp, 2021d)	December 2022	Results of reptile surveys completed to inform the NZT project.
Net Zero Teesside – Environmental Statement – Appendix 12F: Terrestrial Invertebrate Survey Report (bp, 2021e)	December 2022	Results of terrestrial invertebrate surveys completed to inform the NZT project.
Net Zero Teesside – Environmental Statement – Appendix 12G: Otter and Water Vole Report (bp, 2021f)	December 2022	Results of otter (*Lutra lutra)* and water vole (*Arvicola amphibius)* surveys completed to inform the NZT project.
Net Zero Teesside – Environmental Statement – Appendix 12J: GCN Survey Report (bp, 2021g)	December 2022	Records of great crested newt (GCN) identified during surveys to inform the NZT project.
Net Zero Teesside – Environmental Statement – Appendix 12H: Supplementary Habitat Information Report: Coatham Sands (Teesmouth and Cleveland Coast SSSI) (bp, 2021h)	December 2022	Habitat survey information collected to inform the NZT project.

Field Survey

Extended Phase 1 Habitat Survey

12A.2.11 The Proposed Development Site (plus a 50 m buffer where access was permitted) was surveyed by suitably experienced AECOM ecologists. Where access was not agreed, habitats were assessed from aerial photography (refer to limitations).

12A.2.12 Phase 1 habitat surveys were completed between September 2022 and December 2023. Phase 1 Habitat survey (JNCC, 2016) is a standard method of environmental audit. It involves categorising, mapping and describing different habitat types and habitat features within a survey area. Typical and notable plant species were recorded for the different habitat types, and this reflects the conditions at the time of surveys. Dominant plant species were recorded for each habitat present using nomenclature according to Stace (2019). The Proposed Development Site was also appraised for its suitability to support notable flora, with regard to the Guidelines for Preliminary Ecological Appraisal (CIEEM, 2017).

12A.2.13 The standard Phase 1 Habitat survey method can be 'extended' to record target notes on protected, notable and invasive species. The information gained from the survey can be used to determine the ecological value of a site, and to direct any more specific survey work which may need to be conducted prior to the submission of a planning application.

Appraisal of Habitats for the Potential to Support Protected or Notable Species

12A.2.14 The Extended Phase 1 Habitat Surveys assessed the Proposed Development Site with buffers set out within species guidance for the following species below.

Great Crested Newt

12A.2.15 Habitats within the Proposed Development Site were appraised for their suitability to support great crested newt. The assessment was based upon guidance outlined in the Herpetofauna Worker's Manual (Gent and Gibson, 2003) and the Great Crested Newt Conservation Handbook (Langton, Becket and Foster, 2001). Habitat Suitability Index (HSI) scores were calculated for accessible and suitable waterbodies within 250 m of the Proposed Development Site and within 500 m of the Main Site with reference to Oldham et al (2000).

Bats

12A.2.16 Habitats within the Proposed Development Site were appraised for their suitability to support roosting, foraging and commuting bats with reference to the Bat Conservation Trust's Bat Surveys for Professional Ecologists: Good Practice Guidelines (Collins, 2016; Collins, 2023).

Reptiles

12A.2.17 Habitats within the Proposed Development Site were appraised for their suitability to support reptiles with reference to the Herpetofauna Worker's Manual (Gent and Gibson, 2003).

Otter and Water Vole

12A.2.18 Waterbodies and watercourses within the Proposed Development Site were appraised for their suitability to support otter and/or water vole with reference to guidance outlined in Monitoring the Otter (Chanin, 2003) and the Water Vole Mitigation Handbook (Dean *et al.,* 2016).

Badger

12A.2.19 The Proposed Development Site plus a 50 m buffer (where accessible) was surveyed for evidence of badger *Meles meles* setts or other signs of badger activity such as paths, latrines or signs of foraging with reference to Surveying Badgers (Harris, Cresswell and Jefferies, 1989).

Invasive Non-native Species

12A.2.20 Invasive non-native plant species (INNS) listed on Schedule 9 of the WCA were recorded as encountered during the Phase 1 habitat surveys and the locations recorded as target notes.

NVC/ Detailed Botanical Assessment

12A.2.21 The National Vegetation Classification (NVC) detailed botanical assessment employed systematic quadrat-based sampling to characterise and classify plant communities within the selected areas requiring further botanical assessment. The assessment began with strategic area selection where habitats were selected because further botanical assessment was required, and the areas were potentially habitats of principal importance. For each area surveyed, the surveyors randomly placed quadrats for sampling vegetation and within each quadrat a careful recording of plant species and their abundance was recorded on a NVC survey form. The results are then used to classify a habitat in to one of the NVC communities.

12A.2.22 In instances where a habitat mosaic encompasses the entire area or where the repetition of habitat patterns is consistent, or the scale makes it impractical to take individual samples from each habitat, a holistic approach is adopted. As per the guidance from the JNCC (JNCC, 2006), the complete mosaic is sampled in its entirety. This methodology ensures a comprehensive understanding of the diverse habitats within the surveyed areas, especially those characterised by intricate mosaics or repetitive patterns.

12A.3 Desk Study and Field Survey Limitations

12A.3.1 The aim of the desk study was to help characterise the baseline context of the Proposed Development Site and provide valuable background information that would not be captured by a single site survey alone. Information obtained from a desk study is dependent upon people and organisations having made and submitted records for the area of interest. As such, a lack of records for habitats or species does not necessarily mean that those habitats or species do not occur within the ZoI. Likewise, the presence of desk study records for habitats and species does not automatically mean that these still occur within the ZoI or are relevant in the context of the Proposed Development Site.

12A.3.2 There were restrictions on access to private land which limited the ability of surveyors to view some areas and to identify with confidence the habitats and habitat characteristics in others. Inaccessible areas are shown on Annex 1 Figure 12-A-4, Habitats in inaccessible areas were identified using aerial imagery and where possible were viewed from adjacent habitats. Such an approach is consistent with published methods (JNCC, 2016) or is otherwise generally sufficient to allow a precautionary assessment of likely constraints and ongoing survey needs. Any limitations arising from this are identified and a precautionary approach is taken when interpreting the available data.

12A.3.3 In all cases, the Phase 1 habitat survey datasets were not intended to be a detailed inventory of the plant species present as this is not required for the purposes of the Phase 1 habitat survey. Further detailed botanical surveys were undertaken in June 2023 and data from the detailed botanical surveys are included within the results section under NVC Detailed Botanical Assessments

12A.3.4 Phase 1 habitat surveys were completed between September 2022 and December 2023; therefore, some areas were surveyed outside of the optimum season for botanical assessments. Where surveys were completed outside of the optimum survey season, some plant species (including INNS may not be visible). This is not considered to be a significant limitation to the Phase 1 habitat survey as the dominant species of vegetation were visible and identifiable. Detailed botanical surveys have been recommended where potential areas of botanical importance were identified.

12A.4 Results

Nature Conservation Designations

Statutory Designations

12A.4.1 Table 12A-2 summarises the statutory nature conservation designations identified by the desk study that are of potential relevance to The ZoI of the Proposed Development Site (Annex 1, Figure 12-A-2).

Table 12A-2: Statutory Designations

SITE NAME	REASON FOR DESIGNATION	DISTANCE FROM MAIN SITE (APPROX.)	DISTANCE FROM CONNECTION CORRIDORS
Teesmouth and Cleveland Coast SPA	Designated for its important numbers of marine and shore birds. Breeding population of: • Little tern (*Sterna albifrons)*: 40 pairs, 1.7% of UK population. Concentrations of: • Sandwich tern (*Sterna sandvicensis)*: 1900 birds, 6.8% of UK population; and, • Redshank (*Tringa totanus)*: 1648 birds, 1.1% of UK population. Wintering assemblage of: • Shoveler (*Anas clypeata)*; • Teal (*Anas crecca)*; • Knot (*Calidris canutus)*: 5509 birds, 1.6% of population; • Cormorant (*Phalacrocorax carbo)*; and, • Shelduck (*Tadorna tadorna)*. Population on non-breeding Ruff (*Calidris pugnax)*.	6 m	Overlapping
Teesmouth and Cleveland Coast Ramsar (as extended in 2020)	Designated for its internationally important numbers of breeding and wintering waterfowl. It is also designated for its peak counts in spring/autumn of redshank and its winter counts of red knot.	5 m at closest point	Overlapping
North York Moors SPA	Designated for its high numbers of breeding birds:	12.1 km south-east	8.0 km south-east

SITE NAME	REASON FOR DESIGNATION	DISTANCE FROM MAIN SITE (APPROX.)	DISTANCE FROM CONNECTION CORRIDORS
	• Golden plover (*Pluvialis apricaria)*: 526 breeding pairs (2.3% of national breeding population); and, • Merlin (*Falco columbarius)*: 35 breeding pairs (2.7% of national breeding population).		
North York Moors SAC	Designated for its blanket bogs, European dry heaths and Northern Atlantic wet heaths with cross-leaved heath.	12.1 km south-east	8.0 km south-east
Northumbria Coast SPA	Designated for numbers of marine and shore birds. Breeding population of: • Little tern: 40 pairs, 1.7% of UK population. Wintering assemblage of: • Turnstone (*Arenaria Interpres)*: 2.6% of the East Atlantic Flyway population; and • Purple sandpiper (*Calidris Maritima)*: 1.6% of the East Atlantic Flyway population.	13.7 km north-west	11.3 km north-west
Northumbria Coast Ramsar	Designated for numbers of marine and shore birds. • Purple sandpiper; 787 individuals representing an average of 1.6% of the population (5-year peak mean for 1992/93 to 1996/97); • Turnstone; 1,739 individuals representing an average of 2.6% of the population (5-year peak mean for 1992/93 to 1996/97). Species with peak counts during the breeding season: • Little tern; 40 pairs representing an average of 1.7% of the GB population (5 year mean for 1993 to 1997).	13.7 km north	11.3 km north-west

SITE NAME	REASON FOR DESIGNATION	DISTANCE FROM MAIN SITE (APPROX.)	DISTANCE FROM CONNECTION CORRIDORS
Durham Coast SAC	Designated for its vegetated sea cliffs of the Atlantic and Baltic coasts.	13.7 km north-west	11.4 km north-west
Teesmouth and Cleveland SSSI	The site is of special interest for the following nationally important ecological features: • sand dunes; • saltmarshes; • breeding harbour seals (*Phoca vitulina)*; • breeding avocet (*Recurvirostra Avosetta)*, little tern, common tern (*Sterna Hirundo)*; • a diverse assemblage of breeding birds of sand dunes, saltmarsh and lowland open waters and their margins; • non-breeding shelduck, shoveler, gadwall (*Mareca strepera)*, ringed plover (*Charadrius hiacula)*, knot, ruff sanderling (*Calidris alba)*, purple sandpiper, redshank and sandwich tern; • an assemblage of more than 20,000 waterbirds during the non-breeding season; and • a diverse assemblage of invertebrates associated with sand dunes.	Overlapping	Overlapping
Lovell Hills Pools SSSI	Designated for its outstanding assemblage of dragonflies and damselflies.	6.6 km south-east	2.5 km south-east
Saltburn Gill SSSI	Designated for its steep sided coastal dene which supports one of the few undisturbed areas of mixed deciduous woodland.	11.1 km south-east	8.2 km east

SITE NAME	REASON FOR DESIGNATION	DISTANCE FROM MAIN SITE (APPROX.)	DISTANCE FROM CONNECTION CORRIDORS
North York Moors SSSI	The site is of special interest for the following nationally important ecological features of mire, heather moorland and breeding birds.	12.1 km south-east	8.0 km south-east
Durham Coast SSSI	The site is of special interest for the following nationally important ecological features: • species-rich dune system; • wintering shore birds; • breeding little terns; and • breeding avocet, little tern and common tern;	11.9km north-west	9.9 km north-west
Hart Bog SSSI	Designated for its small topogenous mire and its botanical and invertebrate interest.	14.1 km north-west	10.5 km north-west
Briarcroft Pasture SSSI	Species rich unimproved neutral grassland. The relevant NVC community is MG5 crested dog's tail (*Cynosurus cristatus*) – common knapweed (*Centaurea nigra*) grassland.	Over 15 km	7.7 km west
North York Moors SSSI	Vegetation communities transition between blanket bog and dry heath land and support diverse and extensive upland plant communities. The moorland is dominated by dry heath on the central and western moors and wet heath and mire communities on the northern and eastern moors. The plateaux are defined by several valleys, the sides of which support extensive strands of bracken (*Pteridium aquilinum)* and small areas of native woodland. Acid grasslands occur along some of the moorland edges. The habitats support breeding birds including golden plover and merlin.	12.1 km south-east	8.0 km south-east

SITE NAME	REASON FOR DESIGNATION	DISTANCE FROM MAIN SITE (APPROX.)	DISTANCE FROM CONNECTION CORRIDORS
Whitton Bridge Pasture SSSI	The site is of national importance for its areas of species-rich unimproved neutral grassland. The relevant NVC community is MG5 crested dog's tail – common knapweed grassland.	Over 15 km	8.3 km west
Pike Whin Bog SSSI	The bog lies in a natural basin, in which the water level is at or above the ground surface for most of the year. The NVC communities present are M23 – soft rush (Juncus effusus)/sharp flowered rush (*Juncus acutiflorus*) – marsh bedstraw (*Galium palustre*) rush pasture, M27 – meadowsweet (*Filipendula ulmaria*) – wild angelica (*Angelica sylvestris*) mire and S27 – bottle sedge (*Carex rostrata*) – marsh cinquefoil (*Comarum palustre*) swamp.	Over 15 km	10.3 km north-west
Hulam Fen SSSI	The fen supports a supports a range of wetland and grassland vegetation developed over and around a hydrostatic spring-head, fed from the underlying Magnesian Limestone aquifer in an otherwise arable landscape.	Over 15 km	12.8 km north-west
Castle Dene SSSI	The largest and biologically the richest of a series of steep-sided wooded denes, formed as deep ravines in the Magnesian Limestone and boulder clay of the Durham Coast. Designated for woodland and grassland habitats.	Over 15 km	14.2 km north-west
Pinkney and Gerrick Woods SSSI	An area of deciduous woodland on the steep slopes of Kilton Beck. It is of importance as one of the few ancient woodland sites in Cleveland which remains in a largely semi-natural condition.	Over 15 km	13.6 km south-east
Fishburn Grassland SSSI	Fishburn Grassland comprises species-rich calcareous grassland developed over magnesian limestone. The grassland is composed of two distinct communities, the first dominated by blue moor-grass (*Sesleria albicans*) and small scabious (*Scabiosa columbaria*) and the second by upright brome (*Bromus erectus*). Scrub communities form the remainder of the site.	Over 15 km	13.8 km north-west

SITE NAME	REASON FOR DESIGNATION	DISTANCE FROM MAIN SITE (APPROX.)	DISTANCE FROM CONNECTION CORRIDORS
Charity Land SSSI	This site, situated to the north of Trimdon beside the upper River Skerne comprises a group of fields with species-rich unimproved neutral grassland.	Over 15 km	13.8 km north-west
Newton Ketton Meadow SSSI	Newton Ketton Meadow is important as one of the very few surviving unimproved hay meadows in the coastal plain between the Rivers Tyne and Tees. A small area of fen vegetation adds diversity to the site.	Over 15 km	14.6 km west
Teesmouth NNR	The reserve covers 350 ha in two sections separated by Hartlepool PowerStation. North Gare lies to the north, and Seal Sands to the south. North Gare comprises of sand dunes and areas of saltmarsh. The dunes and saltmarsh support a wide variety of plants, and in winter large flocks of bird's roost at Seaton Snook. Seal Sands comprises of mudflats and are home to the common and grey seals (*Halichoerus grypus)* and the winter home for hundreds of shelduck. More than 20,000 individual waterfowl visit Teesmouth during the year and of all the plants here, the most spectacular are four different species of marsh orchid. There are also two nationally scarce species of grass at this site.	1.8 km north-west	30 m west
Durham Coast NNR	Designated for vegetated sea cliffs of the Atlantic and Baltic Coasts.	12.6 km north-west	10.4 km north-west
Castle Eden Dene NNR	The NNR is Designated for habitats and species groups including: • amphibians and reptiles; • ash (*Fraxinus excelsior)*, elm (*Ulmus procera)* and sycamore (*Acer pseudoplatanus)* dominated woodland and alder (*Alnus glutinosa)*; birds; • calcareous grassland (neutral and wet grassland);	Over 15 km	14.2 km north-west

SITE NAME	REASON FOR DESIGNATION	DISTANCE FROM MAIN SITE (APPROX.)	DISTANCE FROM CONNECTION CORRIDORS
	• invertebrate assemblage; • mammals; • plants and fungi; • streams and springs; and • woodland (yew (*Taxus baccata)* and broadleaf).		
Cowpen Bewley Woodland Country Park LNR	Former agricultural, landfill and brickworks land now supporting grassland and freshwater habitats which support a good population of great crested newts.	Over 2 km	Overlapping
Charlton's Pond LNR	The site supports a wetland, amenity grassland and woodland habitats.	Over 2 km	490 m west
Billingham Beck Valley LNR	The site comprises of meadows, ponds, marsh and a woodland. The wetland provides a home for flora and fauna.	Over 2 km	1.42 km west
Seaton Dunes and Common LNR	The site covers approximately 75 ha and it is a wet grassland which attracts vast numbers of over wintering migrant birds and as a breeding ground for birds in the summer months.	Over 2 km	1.7 km north-west

Non-statutory Designations

12A.4.2 Table 12A-3 summarises the locally designated sites identified by the desk study that are of potential relevance to the Proposed Development within the boroughs of Redcar and Cleveland, Middlesborough, Stockton-on-Tees and Hartlepool (Annex 1, Figure 12-A-3). This includes non-statutory Local Wildlife Sites (LWS) which are created by local authorities for their importance to wildlife, geology, education and enjoyment and the RSPB Saltholme reserve for its habitats and species.

Table 12A-3: Non-Statutory Designations within 2 km

SITE NAME	REASON FOR DESIGNATION	DISTANCE FROM MAIN SITE	DISTANCE FROM CONNECTION CORRIDORS
REDCAR AND CLEVELAND BOROUGH			
Eston Pumping Station LWS	The site supports a mosaic of habitats and borderline neutral urban grasslands.	1.1 km south	Overlapping
Coatham Marsh LWS	The site supports a saltmarsh, coastal grasslands, flushes, seepages, springs, neutral and urban grassland habitats and vascular plants.	1.3 km east	Overlapping
Wilton Woods Complex LWS	The site supports a broad-leaved, mixed and yew woodland and is a protected ancient woodland.	Over 2 km	1.2 km south-east
MIDDLESBOROUGH BOROUGH			
Teesaurus Park LWS	The site is an urban park and has areas of mown amenity grassland and areas of varied grass and herb mix.	Over 2 km	980 m west
STOCKTON-ON-TEES BOROUGH			
Portrack Meadows LWS	The site is a former industrial site on the north bank of the river Tees. The site comprises a middle area of urban grassland with surrounding scrub, an area of reedbed, and a brackish pool with remnant saltmarsh.	Over 2 km	1.7 km south-west
Portrack Marsh LWS	The site is a wetland nature reserve with pools and reed/swamp vegetation. The site supports dingy skipper (*Erynnis tages*). The site regularly holds more than 0.1 % of the national population of any wintering or passage species of the cited bird interest of the Teesmouth and Cleveland Coast SPA and the site regularly holds more than 5 % of the cited gadwall, shoveler and redshank population.	Over 2 km	1.9 km south-west

SITE NAME	REASON FOR DESIGNATION	DISTANCE FROM MAIN SITE	DISTANCE FROM CONNECTION CORRIDORS
Billingham Norton Bottoms Reedbed Treatment System LWS	The site is a large reedbed.	Over 2 km	720 m south-west
Norton Bottoms LWS	The site supports neutral grassland.	Over 2 km	760 m west
Billingham Beck Valley Country Park LWS	The site is a large area of neutral grassland, wetland, scrub and woodland in the valley of Billingham Beck, which forms the country park. The site supports dingy skipper, has areas of reedbed.	Over 2 km	1.4 km west
Cowpen Bewley Woodland Park LWS	The site is a former brickworks, landfill and agricultural land that is now a country park comprising new woodland, grassland, ponds and lakes. The site supports great crested newt.	Over 2 km	Overlapping
HARTLEPOOL BOROUGH			
Tot Fenny's Meadow LWS	The site supports neutral grassland, fen and/or flushes. The neutral grassland supports at least three grass and three herb species required for Tees Valley LWS selection. There is also an area of marsh habitat.	Over 2 km	600 m west
Phillips Tank Farm Grassland LWS	The site is partially within the Teesmouth and Cleveland Coast SPA/SSSI/Ramsar. Designated for its population of great crested newts and dingy skipper.	Over 2 km	70 m north-west
Saltern Saltmarsh LWS	The site supports a saltmarsh habitat and was created as an inter-tidal habitat of 20 ha in 2014 by the Environment Agency.	Over 2 km	100 m west
Greenabella Marsh LWS	The site is within the Teesmouth and Cleveland Coast SPA/SSSI/Ramsar. Designated for its saltmarsh vegetation that supports 3.7 % of the total SPA bird numbers and an important site for breeding lapwing (*Vanellus vanellus*).	Over 2 km	Overlapping

SITE NAME	REASON FOR DESIGNATION	DISTANCE FROM MAIN SITE	DISTANCE FROM CONNECTION CORRIDORS
Greatham Creek North Bank Saltmarsh LWS	The site supports a saltmarsh habitat, dominated by salt grass (*Puccinellia* spp.)	Over 2 km	Overlapping
Queen's Meadow Wetland LWS	The site supports a good population of three or more amphibian species required for Tees Valley LWS Selection.	Over 2 km	1.4 km north-west
Power Station Grassland and Wetland LWS	The site is a large area of rank grassland and scrub but also some small areas of wetland and open mosaic habitat. The site supports native reptile species where more than one individual has been recorded over a period of more than one year.	Over 2 km	1.3 km north-west
Brenda Road Brownfield LWS	The site supports early successional brown field which supports a sizeable number of dingy skipper butterfly.	Over 2 km	1.4 km north-west
Brenda Road Sewage Works Grassland LWS	Early successional brown field supporting good numbers of dingy skipper butterfly.	Over 2 km	1.1 km north-west
Zinc Works Bird Field LWS	The site is a large flat area of grassland which regularly holds more than 0.1 % of the national population of any wintering or passage species and the site regularly holds more than 5 % of the cited bird interest of the Teesmouth and Cleveland Coast SPA (this to include 5 % of a cited individual bird population or of the combined water bird population, currently stated as 21,406).	Over 2 km	1.5 km north-west
Seaton Common LWS	The site is a wet grassland which attracts large numbers of passage migrants over winter and is a breeding ground for birds in the summer months.	Over 2 km	1.7 km north-west

Habitats

12A.4.3 The Proposed Development is located within the boroughs of Redcar and Cleveland, Stockton-on-Tees and Hartlepool. The habitats present within the Proposed Development Site arranged by borough, are summarised in Table 12A-4. Habitats below the mean high water (MHW) line of the River Tees, which forms the boundary between the boroughs of Redcar and Cleveland, and Stockton-on-Tees, are beyond the scope of the terrestrial habitat surveys reported in this report and are considered in Chapter 14: Marine Ecology (ES Volume I, EN070009/APP/6.2). Similarly, relevant habitats below the MHW line of Greatham Creek, which forms the boundary between the boroughs of Stockton-on-Tees and Hartlepool, are also considered in the Marine Ecology chapter.

Table 12A-4: Phase 1 Habitats in each Borough within the Proposed Development Site

HABITATS	REDCAR AND CLEVELAND	HARTLEPOOL	STOCKTON-ON-TEES
Broadleaved woodland	X		X
Scrub	X	X	X
Hedgerows		X	X
Semi-improved grassland	X	X	X
Improved grassland			X
Poor semi-improved grassland	X	X	X
Ephemeral/short perennial	X	X	X
Watercourses	X	X	X
Standing water	X	X	X
Bare ground	X		X
Swamp	X	X	X
Intertidal mud/sand	X	X	

12A.4.4 The habitats within the Proposed Development Site are described below. Supporting target notes are provided in Annex 3, the habitats are mapped in Annex 1 Figures 12-A-4 to 12-A-6 and illustrative photographs are provided in Annex 4. These habitats have been identified through field surveys by AECOM and, where survey access was not available, through review of current aerial imagery and OS mapping.

Broadleaved Plantation Woodland

12A.4.5 Most of the woodlands identified during the Phase 1 surveys are plantation woodlands. In Stockton-on-Tees, a broadleaved plantation woodland (TN24) comprising of pedunculate oak (*Quercus robur)*, ash, sycamore, hawthorn

(*Crataegus monogyna*), crab apple (*Malus sylvestris*), field maple (*Acer campestre*) with European larch (*Larix decidua*) and Scots pine (*Pinus sylvestris*) that accounts for less than 10 % of the canopy is located at Cowpen Bewley Woodland Park (Plates 12A-1 and 12A-2, Annex 4).

12A.4.6 The other identified plantations are all screening plantations. A small screening plantation is located at the entrance of the National Grid Saltholme (TN6) (Plate 12A-3) site that comprises of ash, sycamore, hawthorn, blackthorn (*Prunus spinosa*) and white poplar (*Populus alba*). The grassland around this woodland is grazed but the woodland is completely enclosed by fencing and thus protected from grazing.

12A.4.7 In the borough of Redcar and Cleveland, the woodlands again are screening plantations (TN53) around industrial sites such as the Wilton Industrial Complex (Plate 12A-4). A screening plantation woodland runs parallel to major roads such as the Trunk Road (Plate 12A-5). These screening plantations comprise of sycamore, beech (*Fagus sylvatica*), hawthorn and cracked willow (*Salix fragilis*) which is found grown along ditches adjacent to the industrial sites.

12A.4.8 In the north of the Wilton Industrial Complex is a broadleaved plantation of willow sp. (TN30). This plantation was established for the use of wood burning. However, this is no longer the case, and the woodland has been left to grow (Plate 12A-6 and 12A-7).

12A.4.9 Stands of stunted secondary woodland (TN55) (Plate 12A-9 and 12A-10) with a canopy approximately 4 m above ground level occupies the north-eastern area of the Brinefields which is located to the south of Greatham Creek river. This woodland is comprised of downy birch (*Betula pubescens*), silver birch (*Betula pendula*), grey willow (*Salix cinerea*) and goat willow (*Salix caprea*).

Scrub

12A.4.10 Scrub habitat, both scattered (TN57, TN61 and TN62) and dense scrub (TN56) (Plate 12A-10 and 12A-12) can be found in various locations within the Proposed Development Site. It is typically comprised of sea-buckthorn (*Hippophae rhamnoides)*, bramble (*Rubus fruticosus*), hawthorn and common gorse (*Ulex europaeus*).

12A.4.11 The scrub identified within the Proposed Development Site is of recent secondary origin and readily substituted scrub is predominantly found in areas where grasslands are unmanaged, on disused railway lines and roads (Plate 12A-11) and across sections of current pipeline corridors where it is not actively managed.

Hedgerows

12A.4.12 Native hedgerows are restricted to the farmed landscape (TN19, TN32, TN33, TN35, TN58 and TN59) in the western areas of the Proposed Development Site (Plate 12A-13 and 12A-14). These hedgerows are of variable condition with some intact and well-maintained, and others defunct. Native hedgerows regardless of condition or species composition, are of s41 priority habitat.

Semi-improved Neutral Grassland

12A.4.13 Semi-improved neutral grassland is the most widespread of habitats within the Proposed Development Site (Plate 12A-15 to 12A-20). These grasslands being neutral, unmanaged and therefore relatively rank and often species-poor.

12A.4.14 Semi-improved grassland located at Greenabella Marsh LWS (TN63) comprised false oat-grass (*Arrhenatherum elatius*), sea couch (*Elytrigia atherica*) tufted hair-grass (*Deschampsia cespitosa*), hogweed *(Heracleum sphondylium),* creeping thistle *(Cirsium arvense),* curled dock *(Rumex crispus),* cleavers *(Galium aparine),* common vetch *(Vicia sativa subsp. segetalis),* wild parsnip *(Pastinaca sativa),* red fescue (*Festuca rubra*), kidney vetch (*Anthyllis vulneraria*), soft brome (*Bromus hordeaceus*), lesser trefoil (*Trifolium dubium*), buck's-horn plantain (*Plantago coronopus*), hare's-foot clover (*Trifolium arvense*), northern marsh-orchid (*Dactylorhiza purpurella*), common mouse-ear-hawkweed (*Pilosella officinarum*), perennial wall-rocket (*Diplotaxis tenuifolia*), weld (*Reseda luteola*), common toadflax (*Linaria vulgaris*), common knapweed (*Centaurea nigra agg.*), blue fleabane (Erigeron acris), yarrow (*Achillea millefolium*), common bird's-foot-trefoil (*Lotus corniculatus*), black medick (*Medicago lupulina*), hop trefoil (*Trifolium campestre*), fairy flax (*Linum catharticum*), wild carrot (*Daucus carota*), pyramidal orchid (*Anacamptis pyramidalis*), yellow-wort (*Blackstonia perfoliata*), common centaury (*Centaurium erythraea*) and thyme-leaved sandwort (*Arenaria serpyllifolia*).

12A.4.15 An another area of semi-improved grassland north-west of the Brinefields (TN27) comprised cock's-foot (*Dactylis glomerata*), red fescue, common bird's-foot-trefoil, meadow vetchling (*Lathyrus pratensis*), northern marsh-orchid (*Dactylorhiza purpurella*), wild parsnip, common vetch, hairy tare (*Ervilla hirsuta*), smooth meadow-grass, black medick (*Medicago lupulina*), hoary ragwort (*Jacobaea erucifolia*), red clover (*Trifolium pratense*), yarrow, hawkweeds (*Hieracium agg.*), field woodrush (*Luzula campestris*), yellow trefoil (*Trifolium dubium*), common eyebright (*Euphrasia nemorosa*), kidney-vetch (*Anthyllis vulneraria*), common restharrow (*Ononis repens*) and common toadflax.

12A.4.16 Adjacent to the South Tees Development Corporation (STDC) weighbridge (TN61) is additional areas of semi-improved grassland that comprises Oxeye daisy (*Leucanthemum vulgare*), hares-foot clover (*Trifolium arvense*), black medic, common ragwort (*Senecio jacobaea*), common stork's-bill (*Erodium cicutarium*), cocks-foot, false oat-grass, ribwort plantain (*Plantago lanceolata*), yarrow, pignut (*Conopodium majus*), cranesbill (*Geranium sp.*).

12A.4.17 These grasslands (TN60 and TN63) when found within industrial areas form mosaics with other habitat types contributing to a wider resource of open mosaic habitat (OMH) on previously developed land which is a s41 priority habitat.

12A.4.18 A secondary flower-rich grassland (Plate 12A-22 and 12A-23) was also identified in the north-east corner of the perfoliate27 area (TN27), which is located just south of Greatham Creek River, where a wide variety of herb species occur, particularly legumes. Typical species include cock's-foot, red fescue, common bird's-foot-trefoil,

meadow vetchling, northern marsh-orchid, wild parsnip, common vetch, hairy tare, smooth meadow-grass, black medick, hoary ragwort, red clover, yarrow, hawkweeds, field woodrushs, yellow trefoil, common eyebright, kidney-vetch, common restharrow and common toadflax.

Poor Semi-improved Grassland

12A.4.19 Poor semi-improved grassland is the second most dominant habitat and occurs most often on the northern side of the River Tees. An area south of Greatham Creek River known as the Brinefields (TN26) (Plate 12A-25) is a species-poor cattle and sheep grazed coastal grazing marsh over brackish substrates. The species in this area comprise of saltmarsh rush (*Juncus gertardii*), red fescue, creeping bent, white clover, smooth meadow-grass, distant sedge, sea milkwort, sea plantain, sea arrowgrass (*Triglochin maritima*) and autumn hawkbit. The most northern part of the Brinefields where the larger saline lagoon is located is a relatively more herb-rich grazing marsh.

12A.4.20 Parallel with the A1185 (TN64 and TN66), more poor semi-improved grassland (Plate 12A-24) is present which sits adjacent to improved grasslands as part of the farmed landscape. This poor semi-improved grassland tended to be extremely waterlogged and was dominated by Yorkshire fog (*Holcus lanatus*) (Plate 12A-26) with perennial rye grass (*Lolium perenne*), white clover, hard rush (*Juncus inflexus*), common club rush (*Schoenoplectus lacustris*), tufted hair grass, creeping buttercup (*Ranunculus repens*), field thistle (*Cirsium discolor*) and timothy (*Phleum pratense*). Haverton Hill Industrial complex comprised of the above species but also included ragwort, hogweed, sea aster (*Tripolium pannonicum*), creeping thistle, bramble, vetch sp., mugwort (*Artemisia vulgaris*), dock (*Rumex spp.*) and nettle (*Urtica dioica*).

Improved Grassland

12A.4.21 Fields of improved grassland (TN67) (Plate 12A-27) within the Proposed Development Site are either grazed by cattle or used for silage. Dominating species are either perennial ryegrass or Yorkshire fog.

Ephemeral/short Perennial

12A.4.22 Ephemeral/short perennial vegetation (Plates 12A-17 and 12A-18) is of scattered occurrence within the Proposed Development Site. It is found on mineral-based substrates on previously developed land at Eston Pumping Station LWS (TN68) (Plate 12A-28), Wilton Industrial Complex, South Tees Development Corporation (STDC) (TN60) (Plate 12A-29) and found at Greenabella Marsh LWS (TN63) (Plate 12A-30).

12A.4.23 Typical species found on this habitat are common toadflax, yellow wort (*Blackstonia perfoliate*), yarrow, lichens, mosses, colts' foot, dandelion (*Taraxacum officinale*), white clover, mouse-ear (*Cerastium fontanum*), ragwort, hares-foot clover, ox eye daisy, cats' ear (*Hypochaeris radicata*), narrow leaved ragwort (*Senecio inaequidens*), black medic, stonecrop (*Sedum sp.*), birds-foot-trefoil and red clover (*Trifolium pratense*).

12A.4.24 Ephemeral/short perennial vegetation typically occurs in mosaics with other habitat types within the red line boundary such as scrub, semi-improved neutral grasslands and semi-natural broadleaved woodland and meets the definition for s41 open mosaic habitat on previously developed land.

Amenity Grassland

12A.4.25 Amenity grassland (TN70) (Plate 12A-33) is present in association with roadside verges, carparks and some industrial areas. These habitats are species-poor and readily substituted.

Watercourses

12A.4.26 The following watercourses are present within the Proposed Development Site: the largest watercourse is the River Tees followed by Greatham Creek river (TN71) (Plate 12A-34), Dabholm Gut (TN45) (Plate 12A-35), The Fleet (TN41 and TN42) (Plate 12A-36), unidentified watercourses on the Brinefields (TN72 and TN70) (Plates 12A-38 and 12A-39), Mains Dike (TN47) (Plate 12A-40), and an unnamed watercourse at Wilton International (TN74) (Plate 12A-42). All of these watercourses exhibit brackish characteristics, and where smaller watercourses are connected to tidal areas these are brackish too. All of these watercourses form integral components of the landscape such as those that flow throughout the floodplain grazing marsh priority habitat (TN34).

Standing Water

12A.4.27 Annex 1, Figure 12-A-6 illustrates all water bodies and watercourses situated the Proposed Development Site and a 500 m radius.

12A.4.28 There are small waterbodies with scattered occurrence across the Proposed Development Site. A potentially seasonal waterbody at the National Grid Saltholme site (TN2) (Plate 12A-43) and a pond at Wilton International (TN17) (Plate 12A-47).

12A.4.29 The landscape features multiple large saline lagoons (TN75) flanking both sides of the Greatham Creek River, purposefully established as part of the Environment Agency's flood management initiatives (Plates 12A-48 and 12A-49).

12A.4.30 Various sections on the Brinefields exhibit standing water, likely of artificial origin (Plate 12A-50), and small interconnected standing bodies along Belasis Beck are evident (Plates 12A-51 and 12A-52).

12A.4.31 One waterbody within the Proposed Development Site qualifies as a s41 priority habitat and that pond is located at TN17.

Swamp

12A.4.32 Swamp habitats identified during the Phase 1 surveys (TN77, TN4, TN78 and TN79) were dominated by common reed (Phragmites australis), a habitat designated as s41 priority. These swampy areas were pinpointed in specific locations, including within the South Tees Development Corporation land, Greenabella Marsh LWS, at Eston Pumping Station LWS, and more expansively connected to Belasis Beck and Holme Fleet (refer to Plate 12A-54) and adjacent to Billingham Community Fire Station (Plate 12A-56). Further instances of swamp habitats were observed at the

RSPB Saltholme Reserve and interconnected reserves like Dorman's Pool (Plate 12A-55), with smaller patches of common reed identified within industrial sites contributing to the broader open mosaic habitat on previously developed land, also recognized as an s41 priority habitat.

Tall Ruderal

12A.4.33 Ruderal was limited to road verges. Typical species found within this habitat included rosebay willowherb (*Chamaenerion angustifolium*), and nettle.

Buildings

12A.4.34 Buildings onsite consist mainly of industrial complexes.

Bare Ground

12A.4.35 Bare ground (TN24, TN49 and TN50) is present in areas where industrial works are being carried out or where areas have been cleared by a third party.

Fences

12A.4.36 Fences mark the boundaries between the various landowners within the Proposed Development Site.

Marginal/inundation Vegetation

12A.4.37 Marginal/inundation vegetation is present at the edges of waterbodies or in small areas of temporary waterlogging over winter. Typical species within this habitat includes common reed.

Notable Habitats

12A.4.38 A summary of the most notable habitats recorded during the Phase 1 habitat surveys and within the desk study, these being those listed on the Natural Environment and Rural Communities (NERC) Act s41 Habitats of Principal Importance and the National Planning Policy Framework (NPPF) irreplaceable habitats within the Proposed Development Site are identified in Table 12A-5. Annex 1 Figure 12-A-5 shows the Habitats of Principal Importance within the Proposed Development Site based upon desk study and field survey results.

Table 12A-5: Notable Habitats within the Proposed Site Boundary

S41 HABITATS OF PRINCIPAL IMPORTANCE	REDCAR AND CLEVELAND	STOCKTON-ON-TEES	HARTLEPOOL
Lowland deciduous woodland	✓	✓	
Mudflats	✓	✓	✓
Coastal and floodplain grazing marsh		✓	✓
Saline lagoons		✓	✓

S41 HABITATS OF PRINCIPAL IMPORTANCE	REDCAR AND CLEVELAND	STOCKTON-ON-TEES	HARTLEPOOL
Open mosaic Habitats on Previously Developed Land	✓	✓	✓
Reedbeds	✓	✓	✓
Ponds	✓	✓	✓

NVC Detailed Botanical Assessments

12A.4.39 The findings from the NVC surveys conducted at the Brinefields are documented in Annex 4, presenting the NVC survey forms for the two areas. For the other locations that were subjected to NVC survey, such as Cowpen Bewley Woodland Park, Greenabella Marsh LWS, and an area within the Wilton industrial complex, detailed target notes (Annex 2) were compiled. This alternative recording method was chosen as these sites did not warrant a full NVC survey.

12A.4.40 NVC communities that were identified during the NVC detailed botanical assessments are:

- NVC SM16d *Festuca rubra* salt-marsh community, *Leontodon autumnalis* sub-community (TN26);
- SM10 Transitional low-marsh vegetation with *Puccinellia maritima*, annual *Salicornia* species and *Suaeda maritima* community;
- MG1 *Arrhenatherum elatius* grassland community, *Festuca rubra* sub-community (TN25); and
- TN28 assessed in its entirety as an open mosaic habitat on previously developed land.

Protected and Notable Species

12A.4.41 The following protected and notable faunal species were identified through the desk study and/or Phase 1 habitat survey as present within the Proposed Development Site, or potentially within the ZoI of the Proposed Development Site.

Invertebrates

12A.4.42 There were numerous desk study records of invertebrates within 2 km of the Proposed Development Site. Dingy skipper and grayling (*Hipparchia semele)* which are both Tees Valley and s41 priority species have both been recorded within brownfield sites and areas considered as open mosaic habitat on previously developed land such as the Seal Sands Industrial Complex and the Wilton International Complex. Both dingy skipper and grayling were recorded during the Phase 1 habitat survey at the Wilton International Complex. Suitable habitat for dingy skipper and grayling can be found throughout the Teesside area at the Seal Sands Industrial Complex, South Tees Development Corporation (STDC) and the Wilton International Complex. Brenda Road Sewage Works Grassland LWS, Brenda

Road Brownfield LWS, Phillips Tank Farm Grassland LWS and Billingham Beck Valley Country Park LWS with recent records at all these sites. To the north of the Proposed Development Main Site (STDC) is the Teesmouth and Cleveland Coast SSSI designated for its assemblage of invertebrates such as the tephritid fly (*Acanthiophilus helianthin)* and the grayling butterfly which is within proximity of the Main Site.

12A.4.43 NZT records (bp, 2021e) show 24 species of Araneae, 40 species of *Coleoptera*, 179 species of *Diptera*, 20 species of *Hemiptera*, 20 species of *Hymenoptera*, 17 species of *Lepidoptera* and 18 species from other groups. From the species groups, the following species in Table 6 of the NZT Invertebrate report (bp, 2021e) were nationally scarce.

12A.4.44 As habitats within the Proposed Development Site have suitability to support notable invertebrates, further surveys were recommended, and the results are presented in Appendix 12-E: Invertebrate Survey Report (ES Volume III, EN070009/APP/6.4).

Amphibians

12A.4.45 GCN records are confined to the Cowpen Bewley Woodland Park and Phillips Tank Farm Grassland LWS. There is other suitable habitat which was identified during the Phase 1 surveys to the west of the Seal Sands Complex and to the south-west of the Phillips Tank Farm Grassland LWS. However, there is a high likelihood that some of these identified waterbodies located within the pipeline corridors and within 500 m of the Proposed Development could be too saline for GCN. There are additional waterbodies in the south Tees with potential, however, previous data received by INCA concluded that the south Tees industrial areas did not support GCN. Additional surveys will be undertaken at suitable waterbodies in the south Tees region. Results are referenced in Appendix 12-B: GCN Survey Report.While eDNA surveys were conducted at the South Tees Development Corporation Site in 2019 and at the Steelworks in 2007, no dated eDNA surveys at the Wilton International Complex. European Protected Species Licences for GCN showed that GCN were present from 2015 up to 2017 at the Phillips Tank Farm Grassland LWS and Cowpen Bewley Woodland Park.

12A.4.46 Furthermore, other amphibians such as the common toad (*Bufo bufo*) *(*a SPI) were identified in small numbers at the immediately north of the Seal Sands saltmarsh area. Common toads were recorded Greenabella Marsh LWS. Records of common toad were also returned from Greenabella Marsh LWS, Cowpen Bewley Woodland Park, RSPB Saltholme Reserve, Eston Pumping Station LWS and Coatham Marsh LWS. Common frog (*Rana temproaria*) records within the above LWS's suggest a widespread distribution through the North Tees. In the South Tees region, their presence is likely confined to specific areas, including Coatham Marsh Nature Reserve, Eston Pumping Station LWS and the dune system near South Gare Beach.

12A.4.47 There were no records of natterjack toads (*Bufo calamita*) within the Proposed Development Site and as it is located outside their range, colonisation is unlikely (Natural England, 2007).

Reptiles

12A.4.48 Common lizard (*Zootoca vivpara*) records are found at South Gare Beach, immediately north of the Main Site. They are established along the dunes and coastal grasslands from South Gare to Redcar. Beyond this area, a record of common lizard had been recorded within the STDC area to the east of the Main Site within an area identified as potential laydown area. There were additional records of common lizard near Dorman's Pool to the east of the RSPB Saltholme Reserve and to the north of Greatham Creek River alongside the A178.

12A.4.49 Suitable habitat for reptiles were identified during the Phase 1 surveys to the west of the Seal Sands Complex, to the south of the Phillips Tank Grassland Farm LWS.

12A.4.50 As habitats within the Proposed Development Site have suitability to support reptiles, further surveys were completed, and the results are presented in Appendix 12-D: Reptile Survey Report (ES Volume III, EN070009/APP/6.4).

Birds

12A.4.51 Table 12A-6 lists the Schedule 1 bird species records within 2 km of the Proposed Development and the general locations of each including birds encountered during the Phase 1 surveys.

12A.4.52 Further desk study data has been collated and a suite of ornithology surveys completed to inform the EcIA, and the results are presented in Appendix 13-A: Ornithology Baseline Report (ES Volume III, EN070009/APP/6.4).

Table 12A-6: Statutory Designations

SCHEDULE 1 BIRD	DESK STUDY	PHASE 1 SURVEY	COMMENTS
Avocet	✓	✓	Records within the floodplain grazing marsh of the north Tees and Saltern Saltmarsh LWS. During Phase 1 surveys avocet were identified south of Greatham Creek North Back Saltmarsh LWS on floodplain grazing marsh and Cowpen Marsh.
Barn Owl (*Tyto alba*)	✓	✓	Records of barn owl are scattered across both the north and south Tees. During the Phase 1 surveys droppings were identified at Seal Sands at a prebuilt feeding perch and at an underpass. Furthermore, a single barn owl was observed near PD Ports to the southeast of Dabholm Gut.
Bittern (*Botaurus stellaris*)	✓		Records within the RSPB Saltholme Reserve.
Black Redstart (*Phoenicurus ochruros*)	✓		One record located at South Gare to the north of the Main Site options.
Black Tern (*Chlidonias Niger*)	✓		Records within the RSPB Saltholme Reserve, the Tees Estuary and North Gare Beach.
Black-necked Grebe (*Podiceps nigricollis*)	✓		Records within the RSPB Saltholme Reserve, Tees estuary, North and South Gare beaches and the floodplain grazing marsh of the north Tees.
Black-tailed Godwit (*Limosa limosa*)	✓		Records within the RSPB Saltholme Reserve, Seal Sands saltmarsh, Tees estuary, North Gare beach and the floodplain grazing marsh of the north Tees.
Black-throated Diver (*Gavia Arctica*)	✓		Two records within the Tees estuary and a record at North Gare beach.
Brambling (*Fringilla Montifringilla*)	✓		Records within the RSPB Saltholme Reserve and at Cowpen Bewley Woodland Park.
Cetti's Warbler (*Cettia cetti*)	✓		All records confined to the RSPB Saltholme Reserve.

SCHEDULE 1 BIRD	DESK STUDY	PHASE 1 SURVEY	COMMENTS
Common Scoter (*Melanitta nigra)*	✓		Records within the Tees estuary, RSPB Saltholme Reserve and the floodplain grazing marsh of the north Tees.
Crossbill (*Loxia curvirostra*)	✓		Records within Cowpen Bewley Woodland Park, RSPB Saltholme Reserve and the floodplain grazing marsh of the north Tees.
Fieldfare (*Turdus Pilaris*)	✓		Records within Cowpen Bewley Woodland Park, RSPB Saltholme Reserve, the floodplain grazing marsh of the north Tees, Phillips Tank Farm Grassland LWS and North Gare beach.
Garganey (*Anas querquedula*)	✓		Records at Seal Sands, Tees estuary and within the RSPB Saltholme Reserve.
Great Northern Diver (*Gavia immer*)	✓		Records at the Tees estuary and RSPB Saltholme Reserve.
Green Sandpiper (*Tringa ochropus*)	✓		Records at Cowpen Bewley Woodland Park, Greenabella Marsh LWS and RSPB Saltholme Reserve.
Greenshank (*Tringa nebularia*)	✓		Records at Cowpen Bewley Woodland Park, the RSPB Saltholme Reserve, Tees estuary, the floodplain grazing marsh of the north Tees and Saltern Saltmarsh LWS.
Hen Harrier (*Circus cyaneus*)	✓		Records at Saltern Saltmarsh LWS, the RSPB Saltholme Reserve, Seal Sands and the floodplain grazing marsh of the north Tees.
Hobby (*Falco subbuteo*)	✓		One record at the Zinc Works Field LWS.
Kingfisher (*Alcedo atthis)*	✓	✓	Records located at Cowpen Bewley Woodland Park, Greatham Creek North Bank Saltmarsh LWS, Seaton Common LWS and RSPB Saltholme Reserve. During the Phase 1 survey kingfisher was observed flying along Dabholm Gut.
Lapland Bunting (*Calcarius lapponicus*)	✓		Records at the RSPB Saltholme Reserve, Seaton Common LWS and Zinc Works Field LWS.

SCHEDULE 1 BIRD	DESK STUDY	PHASE 1 SURVEY	COMMENTS
Little Gull (*Hydrocoloeus minutus*)	✓		Records at North Gare beach, RSPB Saltholme Reserve and Seal Sands.
Little Ringed Plover	✓	✓	Records at RSPB Saltholme Reserve, Saltern Saltmarsh LWS, Greenabella Marsh LWS and Seal Sands. Little ringed plover was also identified at the North Tees landfill site and at South Gare beach close to the Main Site options.
Little Tern	✓		Records at RSPB Saltholme Reserve, North Tees landfill site, the floodplain grazing marsh of the north Tees and Tees estuary.
Long-tailed Duck (*Clangula hyemalis*)	✓		Records at Dabholm Gut, Tees estuary, Cowpen Marsh, RSPB Saltholme Reserve and North Gare beach.
Marsh Harrier (*Circus aeruginosus*)	✓	✓	Records at RSPB Saltholme Reserve, Cowpen Marsh, North Tees landfill, Cowpen Bewley Woodland Park and Zinc Works Field LWS. During the Phase 1 surveys, marsh harrier was observed around Seal Sands.
Marsh Warbler (*Acrocephalus palustris*)	✓		Records at RSPB Saltholme Reserve, Zinc Works Field LWS and the floodplain grazing marsh of the north Tees.
Mediterranean Gull (*Larus melanocephalus*)	✓		Records at RSPB Salthome Reserve, Greatham Creek river, Dorman's Pool and Seaton Common LWS.
Merlin	✓		Records at Cowpen Bewley Woodland Park, Tees estuary, Zinc Works Field LWS, Seaton Common LWS, North Gare beach, North Tees landfill and the floodplain grazing marsh of the north Tees.
Osprey (*Pandion Haliaetus*)	✓		Records at Dorman's Pool, Cowpen Bewley Woodland Park, RSPB Saltholme Reserve and the floodplain grazing marsh of the north Tees.

SCHEDULE 1 BIRD	DESK STUDY	PHASE 1 SURVEY	COMMENTS
Peregrine (*Falco peregrinus*)	✓		Records at Saltern Saltmarsh LWS, Zinc Works Field LWS, Tees estuary, North Tees landfill, RSPB Saltholme Reserve and the floodplain grazing marsh of the north Tees.
Purple Sandpiper	✓		Records at North and South Gare beach and the floodplain grazing marsh of the north Tees.
Quail (*Coturnix coturnix*)	✓		Records at RSPB Saltholme Reserve.
Red Kite (*Milvus milvus*)	✓		One record at Seaton Common LWS.
Red-backed Shrike (*Lanius collurio*)	✓		Records at North Gare beach, Seaton Common LWS, Greenabella Marsh LWS, Cowpen Bewley Woodland Park and RSPB Saltholme Reserve.
Red-throated Diver (*Gavia stellata*)	✓		Records at Tees estuary, Greenabella Marsh LWS, Greatham Creek river and RSPB Saltholme Reserve.
Redwing (*Turdus Iliacus*)	✓		Records at Seaton Common LWS, Zinc Works Field LWS, Phillips Tank Farm LWS and RSPB Saltholme Reserve.
Roseate Tern (*Sterna dougallii*)	✓		Records at Seaton Common LWS, North Gare beach, Tees estuary and RSPB Saltholme Reserve.
Ruff	✓		Records at Dorman's Pool, RSPB Saltholme Reserve, the floodplain grazing marsh of the north Tees, Tees estuary.
Scaup (*Aythya marila*)	✓		Records at Dorman's Pool, RSPB Saltholme Reserve, North Tees landfill, Cowpen Bewley Woodland Park, North Gare beach and Tees estuary.
Shore Lark (*Eremophila alpestris*)	✓		Records at Zinc Works Field LWS, North Gare Beach and the RSPB Saltholme Reserve.
Slavonian Grebe (*Podiceps auritus*)	✓		Records at Dorman's Pool, RSPB Saltholme Reserve, Tees estuary, North Gare beach, Seal Sands and the floodplain grazing marsh of the north Tees.

SCHEDULE 1 BIRD	DESK STUDY	PHASE 1 SURVEY	COMMENTS
Snow Bunting (*Plectrophenax nivalis)*	✓		Records at South Gare beach, RSPB Saltholme Reserve and land surrounding the Tees estuary.
Spoonbill (*Platalea leucorodia*)	✓		Records at Cowpen Bewley Woodland Park and the RSPB Saltholme Reserve.
Temminck's Stint (*Calidris temminckii*)	✓		Records at RSPB Saltholme Reserve, Zinc Works Field LWS, Seal Sands and the floodplain grazing marsh of the north Tees.
Velvet Scoter (*Melanitta fusca*)	✓		Records at Tees estuary and North Gare beach.
Whimbrel (*Numenius phaeopus*)	✓		Records at North and South Gare Beach, Tees estuary, Cowpen Marsh and RSPB Saltholme Reserve.
Whooper Swan (*Cygnus cygnus*)	✓		Records at RSPB Saltholme Reserve, Tees estuary and Cowpen Bewley Woodland Park.
Wood Sandpiper (*Tringa glareola*)	✓		Records at North Gare beach, Seal Sands, Cowpen Bewley Woodland Park and RSPB Saltholme Reserve.

Water Vole

12A.4.53 Water vole records are located at Zinc Works Field LWS, Seaton Common LWS, Power Station Grassland and Wetland LWS, Greenabella Marsh LWS, Phillips Tank Farm Grassland LWS, Saltern Marsh LWS, Cowpen Bewley Woodland Park, RSPB Saltholme Reserve and the floodplain grazing marsh of the north Tees. INCA undertook artificial raft surveys at in 2018 at Cowpen Bewley Woodland Park and the survey results were negative.

12A.4.54 Cowpen Bewley Woodland Park, Greatham Creek River, Phillips Tank Farm Grassland LWS, Saltern Saltmarsh LWS, Greenabella Marsh LWS and the Fleet were all areas identified during the Phase 1 surveys as suitable for water vole. Suitable habitat found within these areas included wetlands, streams, rivers and ditches, with Habitat of Principal Importance of saltmarsh and the floodplain grazing marsh of the north Tees.

12A.4.55 Records in the south Tees are confined to two LWS; Berwick Hill and Ormesby Beck Complex and Middlebeck which are both a sufficient distance away from the Proposed Development that no impacts are likely to occur. Additionally, Coatham Marsh LWS may have potential for water vole. The Proposed Development in the STDC area is connected to this LWS by The Fleet watercourse that runs through the STDC area to Dabholm Gut. Connectivity along this watercourse may be limited because much of The Fleet from STDC to Coatham Marsh LWS is completely dominated and choked by the invasive non-native species, floating pennywort (*Hydrocotyle ranunculoides*).

12A.4.56 As habitats within the Proposed Development Site have suitability to support water vole, further surveys were completed, and the results are presented in Appendix 12-F: Water Vole and Otter Survey Report (ES Volume III, EN070009/APP/6.4).

12A.4.57 No evidence of water vole was found on the NZT project (bp, 2021f).

Otter

12A.4.58 Otter have been reported within the search area undertaken by INCA for the NZT project for at least a decade on most suitable watercourses and waterbodies, with mother and cubs being recorded and it is considered that the species is now a resident of Teesside. Otter have also been recorded at Zinc Works Field LWS, Cowpen Bewley Woodland Park, Greenabella Marsh LWS, Tees estuary, Saltern Saltmarsh LWS, Seal Sands, RSPB Saltholme Reserve, Dorman's Pool and Dabholm Beck to the south of Eston Pumping Station LWS.

12A.4.59 No evidence of otter was found within the or adjacent to the red line boundary of the NZT project (bp, 2021f).

12A.4.60 All the areas above as well as Dabholm Gut were all areas identified during the Phase 1 surveys as suitable for otter. Suitable habitat found within these areas are wetlands, streams, rivers and ditches, with Habitat of Principal Importance saltmarsh, reedbed, open mosaic habitat on previously developed land and the floodplain grazing marsh of the north Tees.

12A.4.61 As habitats within the Proposed Development Site have suitability to support otter, further surveys were completed, and the results are presented in Appendix 12-F: Water Vole and Otter Survey Report (ES Volume III, EN070009/APP/6.4).

Badger

12A.4.62 There were no records of badger within the Proposed Development Site. The closest records of badger were confined to two locations: Billingham Beck Valley Country Park and Wilton Woods Complex LWS's. Both LWS's are over 2 km away from the Proposed Development Site and therefore no impacts are anticipated.

12A.4.63 Although there are woodland habitats within the Proposed Development Site that are suitable for badger, no evidence of badger was recorded during the surveys and badger are presumed absent.

Bats

12A.4.64 The following species of bat have been recorded within 2 km of the Proposed Development Site:

- Common pipistrelle (*Pipistrellus pipistrellus)* records are located at Billingham Beck Valley Country Park LWS, RSPB Saltholme Reserve and Teesmouth and Cleveland Coast SSSI with all records recorded foraging;
- Soprano pipistrelle (*Pipistrellus pygmaeus)* records are located at Billingham Beck Valley Country Park LWS and RSPB Saltholme Reserve of foraging;
- Noctule (*Nyctalus noctule*) bat records are located at Cowpen Bewley Woodland Park and RSPB Saltholme Reserve; and,
- Daubenton's bat *(Myotis daubentonii)* and other myotis species both have records at the Billingham beck Valley Country Park LWS.

12A.4.65 During the Phase 1 surveys suitable habitat for roosting bats was identified at Cowpen Bewley Woodland Park with other areas in and around the Proposed Development supporting potential foraging habitat, such as Coatham Marsh and Eston Pumping Station LWS in the south Tees area and in the north Tees, RSPB Satlholme, Greenabella Marsh LWS and Phillips Tank Farm Grassland LWS.

12A.4.66 Records of roosts within the area are all within buildings and private dwellings in Eston, Middlesborough, Stockton-on-Tees and Billingham.

12A.4.67 The NZT bat report (bp, 2021c) found only small numbers of common pipistrelle and soprano pipistrelle and individual noctule bats with local to district level value for commuting and foraging habitat.

12A.4.68 As habitats within the Proposed Development Site have suitability to roosting, foraging and commuting bats, further surveys were completed, and the results are presented in Appendix 12-C: Bat Survey Report (ES Volume III, EN070009/APP/6.4).

Brown Hare

12A.4.69 INCA stated that brown hares (*Lepus europaeus)* are common across all areas of open grassland and open mosaic habitat on previously developed land on both sides of the river Tees and are present at RSPB Saltholme.

12A.4.70 During the Phase 1 survey suitable habitat was identified in most areas required for the Proposed Development and the brown hare was during the Phase 1 surveys in all areas.

Hedgehog

12A.4.71 Hedgehog (*Erinaceus europaeus*) records are located at Power Station Grassland and Wetland LWS, Seaton Common LWS, Zinc Works Field LWS, Greenabella Marsh LWS, Phillips Tank Farm Grassland LWS, Saltern Saltmarsh LWS, Seal Sands, RSPB Saltholme Reserve. In the south Tees area, records are located along the A174 from Kirkleatham to Old Lackenby which separates the Wilton Industrial Complex and Wilton Woods Complex LWS. These records are road casualties and suggests that most of these records are associated with the Wilton Woods Complex where the most suitable habitat occurs.

12A.4.72 Woodland edges at Cowpen Bewley Woodland Park LWS and the farmed landscape were considered suitable habitat during Phase 1 surveys but a lack of suitable habitat was found within the industrial areas at Seal Sands, Wilton and Haverton Hill.

Harvest Mouse

12A.4.73 Harvest mouse (*Micromys minutus*) records are restricted to Cowpen Bewley Woodland Park LWS, an area of reedbed to the north of Greenabella Marsh LWS, at the RSPB Reserve and Coatham Marsh nature reserve.

Marine Mammals

12A.4.74 Grey seals and Harbour seals the most abundant of the marine mammals within the Teesside area. Both species of seal have been recorded and identified during Phase 1 surveys at the Seal Sands haul out area, in Greatham Creek river and Tees estuary.

12A.4.75 Table 12A-7 summarises which species are of potential relevance to the Proposed Development within each of the three Local Planning Authority areas.

Table 12A-7: Protected and Notable Species Relevant or Potentially Relevant to the Proposed Development

SPECIES	RELEVANT STATUS	DESK STUDY RECORDS	PEA SURVEYS INDICATE POTENTIAL FOR PRESENCE	REDCAR AND CLEVELAND	STOCKTON-ON-TEES	HARTLEPOOL	POTENTIALLY RELEVANT TO THE PROPOSED DEVELOPMENT	COMMENTS
Badger	Legally protected	✓	×	✓	✓	×	×	No evidence of badger found.
Barn owl	Legally protected	✓	✓	✓	✓	✓	✓	Structures identified in potential ZoI suitable for use for breeding and/or roosting.
Birds: breeding	Legally protected, s41, LBAP	✓	✓	✓	✓	✓	✓	There are a variety of habitats suitable for use by a diverse range of bird species during the breeding season. There is potential for disturbance if works are timed during the breeding season. .
Brown hare	s41, LBAP	✓	✓	✓	✓	✓	×	With implementation of good practice animal welfare measures there is nothing inherent to the Proposed Development that is likely to adversely

SPECIES	RELEVANT STATUS	DESK STUDY RECORDS	PEA SURVEYS INDICATE POTENTIAL FOR PRESENCE	REDCAR AND CLEVELAND	STOCKTON-ON-TEES	HARTLEPOOL	POTENTIALLY RELEVANT TO THE PROPOSED DEVELOPMENT	COMMENTS
								affect the conservation status of brown hare given the species wide distribution and favourable status in the Tees Valley[1]
Common lizard	Legally protected, s41, LBAP	✓	✓	✓	✓	✓	✓	Rare in the Tees Valley and records focussed in former industrial areas and along the coast at South Gare. Potential for killing or injury if works take place within suitable habitat.
Common seal	Designated feature of the Teesmouth and Cleveland Coast SSSI, s41, LBAP	✓	✓	✓	✓	✓	✓	Breeding population of approximately 1,000 individuals using the Tees Estuary and associated coastal habitats. Potential for disturbance if works take place within suitable habitat.

SPECIES	RELEVANT STATUS	DESK STUDY RECORDS	PEA SURVEYS INDICATE POTENTIAL FOR PRESENCE	REDCAR AND CLEVELAND	STOCKTON-ON-TEES	HARTLEPOOL	POTENTIALLY RELEVANT TO THE PROPOSED DEVELOPMENT	COMMENTS
Common toad	s41	✓	✓	✓	✓	✓	×	Is likely to breed in ponds within terrestrial habitats in and around the Proposed Development Site which could impact the species at a local level. No substantive pond or terrestrial habitat loss is expected.
Dingy skipper	s41, LBAP	✓	✓	✓	✓	✓	✓	This species was recorded by AECOM at the Wilton Complex during a Phase 1 Habitat survey. The desk study indicates colonies are focussed on brownfield sites of the Tees Estuary, including Seal Sands, South Gare and Coatham Dunes.
Grayling	s41, LBAP	✓	✓	✓	✓	✓	✓	This species was recorded by AECOM at the Wilton Complex during a Phase 1

SPECIES	RELEVANT STATUS	DESK STUDY RECORDS	PEA SURVEYS INDICATE POTENTIAL FOR PRESENCE	REDCAR AND CLEVELAND	STOCKTON-ON-TEES	HARTLEPOOL	POTENTIALLY RELEVANT TO THE PROPOSED DEVELOPMENT	COMMENTS
								Habitat survey. The desk study indicates this species is associated with former industrial sites of the Tees Estuary. Key sites are considered to include Seal Sands, South Tees Development Corporation and Wilton Complex.
Great crested newt	Legally protected, s41, LBAP	✓	✓	×	✓	✓	✓	There are desk study records for Stockton-on Tees and Hartlepool, the closest being at Cowpen and Phillips Tank LWS. There are potentially suitable waterbodies in areas of the North Tees.
Harvest mouse	s41, LBAP	✓	✓	✓	✓	✓	×	The desk study indicates records for Saltholme, Coatham Marsh and Cowpen where all suitable

SPECIES	RELEVANT STATUS	DESK STUDY RECORDS	PEA SURVEYS INDICATE POTENTIAL FOR PRESENCE	REDCAR AND CLEVELAND	STOCKTON-ON-TEES	HARTLEPOOL	POTENTIALLY RELEVANT TO THE PROPOSED DEVELOPMENT	COMMENTS
								wetland habitats will be avoided by the Proposed Development.
Hedgehog	s41	✓	✓	✓	✓	✓	×	With implementation of good practice animal welfare measures there is nothing inherent to the Proposed Development that is likely to adversely affect the conservation status of the hedgehog's wide distribution of suitable habitat. Sensitive working methods recommended to avoid potential killing or injury.
Invertebrates: general.	Including s41 and LBAP Species	✓	✓	✓	✓	✓	✓	Numerous records returned by the desk study and likely to occur in higher quality habitats in the ZOI. Potential for

SPECIES	RELEVANT STATUS	DESK STUDY RECORDS	PEA SURVEYS INDICATE POTENTIAL FOR PRESENCE	REDCAR AND CLEVELAND	STOCKTON-ON-TEES	HARTLEPOOL	POTENTIALLY RELEVANT TO THE PROPOSED DEVELOPMENT	COMMENTS
								notable assemblages. It should be noted that many s41 invertebrates are from a list of 'research only' species and their listing does not always indicate a specific nature conservation concern or priority.
Otter	Legally protected, s41	✓	✓	✓	✓	✓	✓	Potential presence along watercourses and in coastal habitats.
Water vole	Legally protected, s41, LBAP UKBAP	✓	✓	✓	✓	✓	✓	Potential presence along watercourses.

Schedule 9 Invasive Non-native Plant Species

12A.4.76 Table 12A-8 shows which Schedule 9 invasive non-native plant species have been identified during the Phase 1 Habitat surveys. The locations are also target noted in Annex 2 and are shown on the Phase 1 habitat figures (Annex 1 Figures 12-A-1).

Table 12A-8: Invasive non-native species identified during Phase 1 Habitat surveys

INVASIVE NON-NATIVE SPECIES	NORTH TEES	SOUTH TEES	WITHIN THE RLB
Himalayan balsam (*Impatiens glandulifera*)	X		X
Cotoneaster species (*Cotoneaster sp.*)	X	X	X
Japanese rose (*Rosa rugosa*)	X		X
Floating pennywort		X	X
Montbretia	X		

12A.4.77 Himalayan balsam (Plate 12A-57) was identified in Kinkerdale Beck (TN103).

12A.4.78 Wall Cotoneaster (*Cotoneaster horizontalis*) (Plate 12A-60) is quite widespread within the Proposed Development Site, mostly located within or on the borders of industrial land on the Wilton Complex, between the North Tees industrial land and Dorman Pool Nature Reserve, Seal Sands industrial area and within the South Tees Development corporation land.

12A.4.79 Several plants of Japanese rose (Plate 12A-59) plants were identified within the land required for the Proposed Development and are target noted.

12A.4.80 Floating pennywort (Plate 12A-58) was identified spreading from Coatham Marsh into the South Tees Development Corporation land within the Fleet watercourse.

12A.4.81 Desk study records received in 2022 from INCA show that species of *cotoneaster sp.*, Japanese knotweed (*Reynoutria japonica*), giant hogweed (*Heracleum mantegazzianum*), floating pennywort, Japanese rose, Alexanders (*Smyrnium perfoliatum*) and Nutall's waterweed (*Elodea nuttallii*) were all recorded within the last four years at the Wilton Complex, South Tees Development Corporation and around the PD Teesport areas.

12A.5 Discussions and Recommendations

12A.5.1 This Extended Phase 1 report is based on a desk study and field surveys undertaken within the Proposed Development Site and ZoI as defined in the methodology section. The following surveys summarised in Table 12A-9 were completed to inform the EcIA.

Table 12A-9: Summary of Recommendations

CONSTRAINTS	PHASE 2 SURVEY SCOPE	METHODS	RATIONALE	TIMING
Habitats	Habitats of Principal Importance	National Vegetation Classification	Detailed botanical assessments required	June – July 2023
Bats (foraging and commuting)	Woodlands, waterbodies, and watercourses	Activity transects and static detector surveys of habitats with potential for commuting and foraging bats which are crossed by the Proposed Development Site	Bat foraging/commuting habitat potentially affected by noise/visual	May – September 2023
Birds	Habitats within the Proposed Development that have the potential to support breeding and non-breeding bird assemblages	Surveys including wetland bird counts, wintering bird counts, and breeding bird counts within the Proposed Development Site	To identify the breeding and non-breeding bird assemblages within the ZoI of the Proposed Development	January 2022 to March 2024
GCN	Waterbodies within 500 m of the Main Site, and 250 m of the Connection Corridor	eDNA surveys of waterbodies within the Proposed Development Site that had potential to support GCN	To confirm presence/ likely absence of GCN within the 500 m and 250 m buffers	June 2023
Terrestrial invertebrates	Habitats within the Proposed Development that have the potential to support protected or notable invertebrate species	Surveys including vegetation sweeping and aerial netting, vacuum sampling, and pitfall traps within suitable habitat within the Proposed Development Site	To confirm presence/ likely absence of protected or notable invertebrate species	May, June, July and August 2023
Otter	Watercourses crossed by the Proposed Development deemed suitable during habitat suitability	Survey of watercourses / ditches crossed by the Proposed Development and habitat that had	To confirm presence or likely absence of otter resting places within 200 m of the Proposed Development Site	May – September 2023

CONSTRAINTS	PHASE 2 SURVEY SCOPE	METHODS	RATIONALE	TIMING
	assessment as part of the Phase 1 Habitat Survey	potential to support otter resting places		
Water vole	Watercourses crossed by the Proposed Development deemed suitable during habitat suitability assessment as part of the Phase 1 habitat survey	Two surveys of watercourses directly crossed by the Proposed Development that had the potential to support water vole. Artificial latrine deployments with two surveys that had potential to support water vole	To confirm presence/likely absence of water vole on watercourses which may be affected by the Proposed Development	May – September 2023
Reptile	Habitats crossed by the Proposed Development deemed suitable during habitat suitability assessment as part of the Phase 1 habitat survey	Seven survey visits of habitats crossed by the Proposed Development that had the potential to support reptiles	To confirm presence/likely absence of reptiles in habitats which may be affected by the Proposed Development	May – September 2023

12A.6 References

- bp (2018a). *Net Zero Teesside PEI Report Document 6.2.12 ES Volume I Chapter 12 Terrestrial Ecology.*
- bp (2018b). *Net Zero Teesside PEI Report Document 6.4 ES Volume III Appendix 12C: Preliminary Ecological Appraisal Report.*
- bp (2018c). *Net Zero Teesside PEI Report Document 6.4 ES Volume III Appendix 12D: Bat Survey Report.*
- bp (2018d). *Net Zero Teesside PEI Report Document 6.4 ES Volume III Appendix 12E: Reptile Survey Report.*
- Bp (2018e). *Net Zero Teesside PEI Report Document 6.4 ES Volume III Appendix 12F: Terrestrial Invertebrate Survey Report.*
- bp (2018f). *Net Zero Teesside PEI Report Document 6.4 ES Volume III Appendix 12: Water Vole and Otter Survey Report.*
- bp (2018g). *Net Zero Teesside PEI Report Document 6.4 ES Volume III Appendix 12J: GCN Survey Report.*
- bp (2018h). *Net Zero Teesside PEI Report Document 6.4 ES Volume III Appendix 12H: Supplementary Habitat Information Report: Coatham Sands (Teesmouth and Cleveland Coast SSSI).*
- bp (2021a). *Net Zero Teesside DCO Document 6.4.23. Appendix 12F: Terrestrial Invertebrate Survey Report.*
- bp (2021b). *Net Zero Teesside DCO Document 6.4 ES Volume III Appendix 12J: GCN Survey Report.*
- bp (2021c). *Net Zero Teesside DCO Document 6.4 ES Volume III Appendix 12E: Reptile Survey Report.*
- bp (2021d). *Net Zero Teesside DCO Document 6.4 ES Volume III Appendix 12D: Bat Survey Report.*
- bp (2021e). *Net Zero Teesside DCO Document 6.4 ES Volume III Appendix 12G: Water Vole and Otter Survey Report.*
- bp (2021f). *Net Zero Teesside DCO Document 6.2.13 ES Volume I Chapter 13: Aquatic Ecology.*
- bp (2021g). *Net Zero Teesside DCO Document 6.4 Volume III Appendix 13A: Aquatic Ecology Supplementary Desk Study and Field Survey Report.*
- bp (2021h). Net Zero Teesside DCO Document 6.2.12 ES Vol I Chapter 12 Terrestrial Ecology.
- Chanin, P. (2003). *Monitoring the Otter Lutra.* Conserving Natura 2000 Rivers Monitoring Series No. 10, English Nature, Peterborough.

- Chartered Institute of Ecology and Environmental Management (CIEEM) (2017). *Guidelines for Preliminary Ecological Appraisal.*
- Chartered Institute of Ecology and Environmental Management (CIEEM) (2021). *Advisory Note: Ecological Assessment of Air Quality Impacts.*
- Chartered Institute of Ecology and Environmental Management (CIEEM) (2022). *Guidelines for Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater and Coastal, version 1.2.*
- Collins, J. (ed.) (2016). *Bat Surveys for Professional Ecologists: Good Practice Guidelines (3rd edn).* The Bat Conservation Trust, London.
- Collins, J. (ed.) (2023). *Bat Surveys for Professional Ecologists: Good Practice Guidelines (4th edn).* The Bat Conservation Trust, London.
- Dean, M., Strachan, R., Gow, D. and Andrews, R. (2016). *The Water Vole Mitigation Handbook (The Mammal Society Mitigation Guidance Series).* Eds Fiona Matthews and Paul Chanin. The Mammal Society, London.
- Department for Energy Security and Net Zero (2023a). *Overarching National Policy Statement for Energy (EN-1).*
- Department for Energy Security and Net Zero (2023b). *National Policy Statement for Natural Gas Supply Infrastructure and Gas and Oil Pipelines (EN-4).*
- Department for Energy Security and Net Zero (2023c). *National Policy Statement for Electricity Networks Infrastructure (EN-5).*
- Department for Levelling Up, Housing & Communities (2023) *National Planning Policy Framework*.
- Gent, A. H. and Gibson, S. D (2003). *Herpetofauna workers' manual.* Peterborough, Joint Nature Conservation Committee.
- Harris, S., Cresswell, P,. and Jefferies, D. (1989). *Surveying Badgers.* The Mammal Society, London.
- Hartlepool Borough Council (2018). *Hartlepool Local Plan.*
- HM Government (1981). *Wildlife and Countryside Act (WCA) 1981 (as amended).*
- HM Government (2006). *Natural Environment and Rural Communities Act (NERC) 2006 (SI 2006/16).*
- Institute of Air Quality Management (IAQM) (2020). *A guide to the assessment of air quality impacts on designated nature conservation sites.*
- Joint Nature Conservation Committee (JNCC) (2006). *National Vegetation Classification: Users' handbook.*
- Joint Nature Conservation Committee (JNCC) (2016). *Handbook for Phase 1 habitat survey: A technique for environmental audit.*

- Langton, T.E.S., Beckett, C.L., and Foster, J.P. (2001). *Great Crested Newt Conservation Handbook, Froglife, Halesworth.*
- Ministry of Housing, Communities & Local Government (2021). *National Planning Policy Framework.*
- National Infrastructure Planning (2018). *Advice Note Nine: Rochdale Envelope.*
- Oldham, R. S., Keeble, J., Swan, M. J. S. and Jeffcote, M. (2000). *Evaluating the suitability of habitat for Great Crested Newt (Triturus cristatus).*
- Redcar & Cleveland Borough Council (2018). *Redcar & Cleveland Local Plan Adopted May 2018.*
- Redcar & Cleveland Borough Council (2018). *South Tees Area Supplementary Planning Document Adopted May 2018.*
- Stace (2019). *New Flora of the British Isles.*
- Stockton-on-Tees Borough Council (2019). *Stockton-on-Tees Local Plan 2019.*

12A.7 ANNEX 1: Figures

Figure 12-A-1: The Proposed Development Site

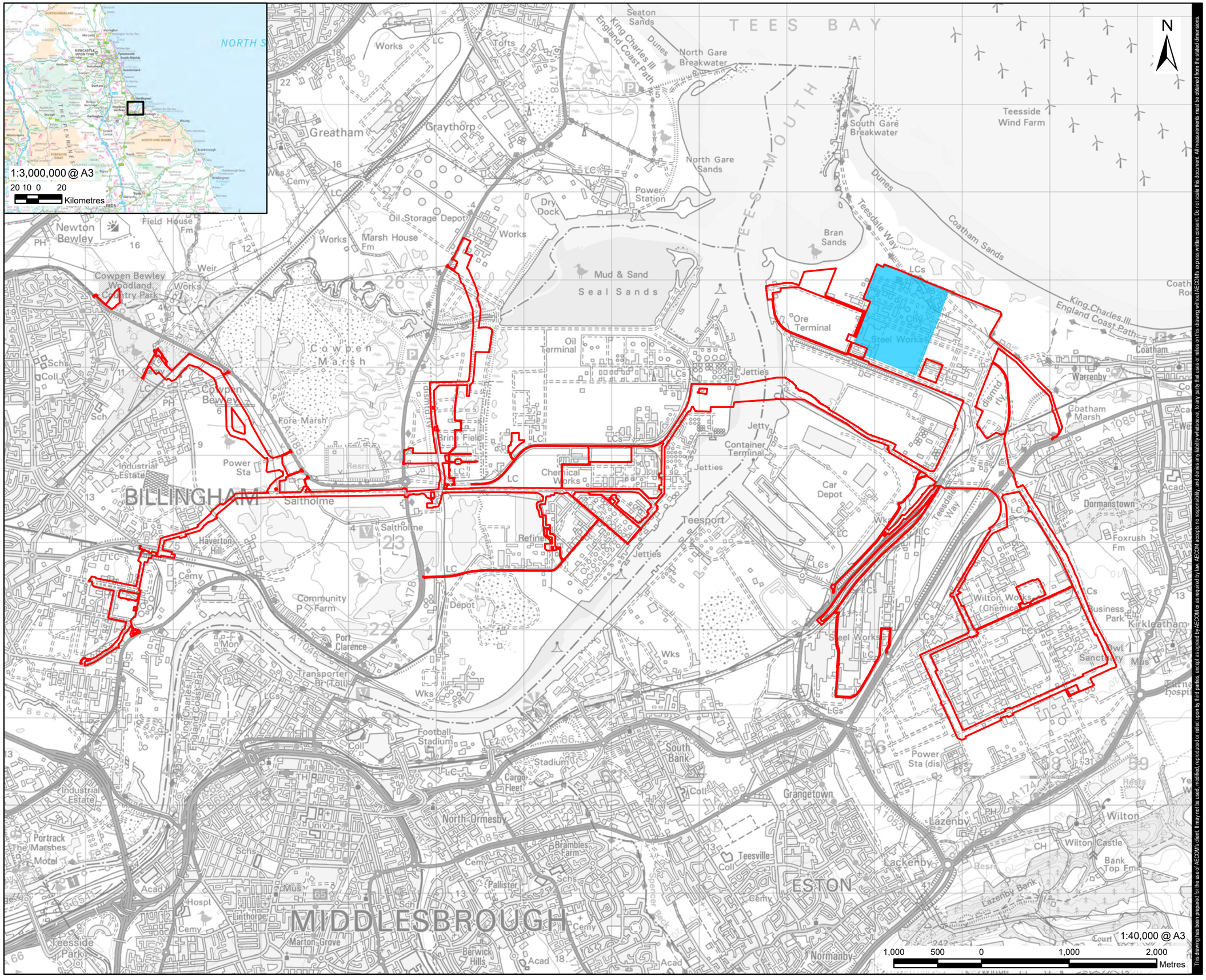
Figure 12-A-2: The Proposed Development Site and Statutory Designations

Figure 12-A-3: The Proposed Development Site and Non-Statutory Designations

Figure 12-A-4: The Proposed Development Site and Phase 1 Habitats

Figure 12-A-5: The Proposed Development Site and Priority Habitats

Figure 12-A-6: The Proposed Development Site and All Watercourses/Waterbodies



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LEGEND

- Proposed Development Site
- Main Site

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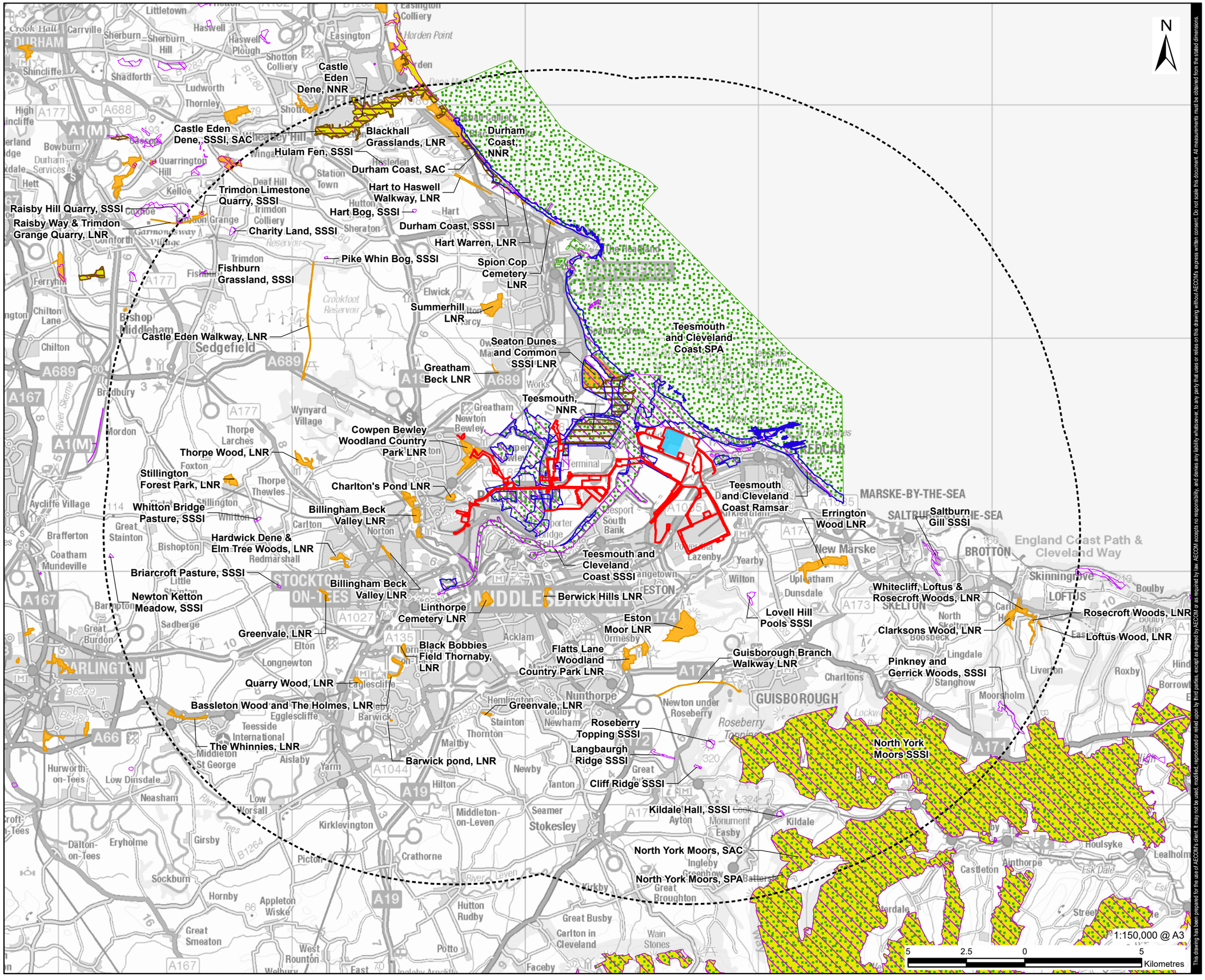
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FIGURE TITLE

The Proposed Development Site

FIGURE NUMBER

Figure 12-A-1



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LEGEND

- Proposed Development Site
- Proposed Development Site - 15 km Buffer
- Main Site
- Local Nature Reserve (LNR)
- National Nature Reserve (NNR)
- Ramsar
- Special Areas of Conservation (SAC)
- Special Protection Area (SPA)
- Site of Special Scientific Interest (SSSI)

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FIGURE TITLE

The Proposed Development Site and Statutory Designations

FIGURE NUMBER

Figure 12-A-2

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Brenda Road Brownfield
Seaton Common
Queen's Meadow Wetland
Brenda Road Sewage Works Grassland
SALTHOLME
Power Station Grassland and Wetland
Phillips Tank Farm Grassland
Zinc Works Bird Field
SALTHOLME
Greenabella Marsh
Tot Fenny's Meadow
Greenabella Marsh
Saltern Saltmarsh
Greatham Creek North Bank Saltmarsh
Cowpen Bewley Woodland Park
SALTHOLME
Coatham Marsh
Eston Pumping Station
Billingham Beck Valley Country Park
SALTHOLME
Billingham Beck Valley Country Park
Billingham Beck Valley Country Park
Teessaurus Park
Norton Bottoms
Billingham Norton Bottoms Reedbed Treatment System
Portrack Meadows
Portrack Marsh
Wilton Woods Complex

TEES BAY
MIDDLESBROUGH
ESTON

1:50,000 @ A3
1,000 500 0 1,000 2,000 Metres

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LEGEND
- Proposed Development Site
- Proposed Development Site Boundary - 2 km Buffer
- Main Site
- RSPB Reserve

Local Wildlife Site (LWS)
- Hartlepool
- Stockton
- Redcar and Cleveland
- Middlesborough

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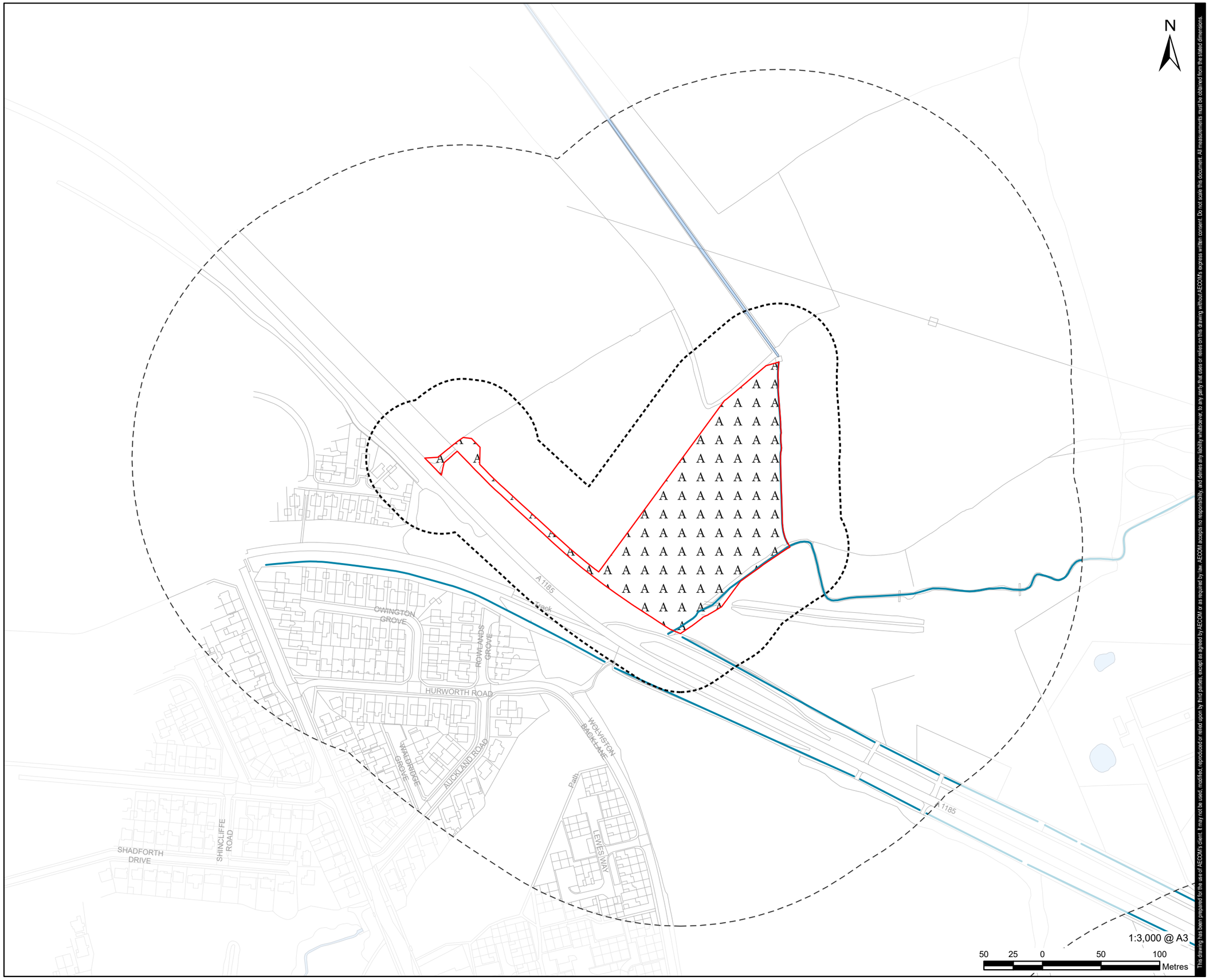
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FIGURE TITLE
The Proposed Development Site and Non-Statutory Designations

FIGURE NUMBER
Figure 12-A-3

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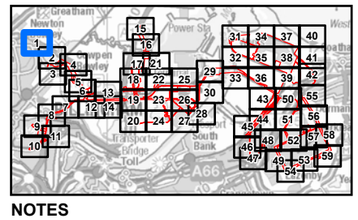
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LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A — J1.1 - Cultivated/disturbed land - arable
- Waterbody
- Waterbody area



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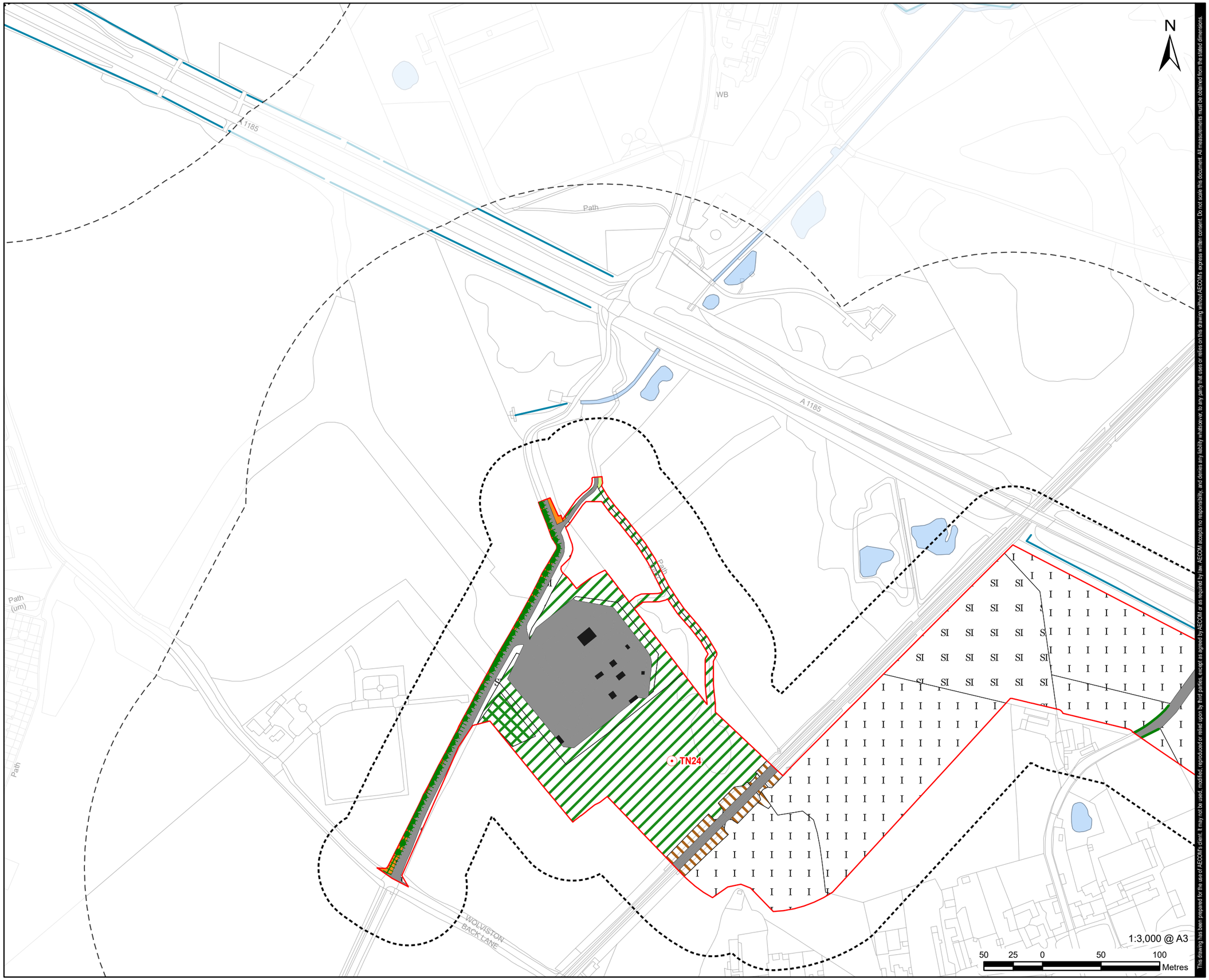
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 1 of 59)

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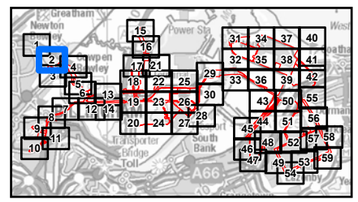
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LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- A3.1 - Broadleaved parkland/scattered trees
- J2.1.2 - Intact hedge - species-poor
- J2.3.2 - Hedge with trees - species-poor
- A1.1.2 - Broadleaved woodland - plantation
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- B4 - Improved grassland
- B6 - Poor semi-improved grassland
- C3.1 - Other tall herb and fern - ruderal
- F1 - Swamp
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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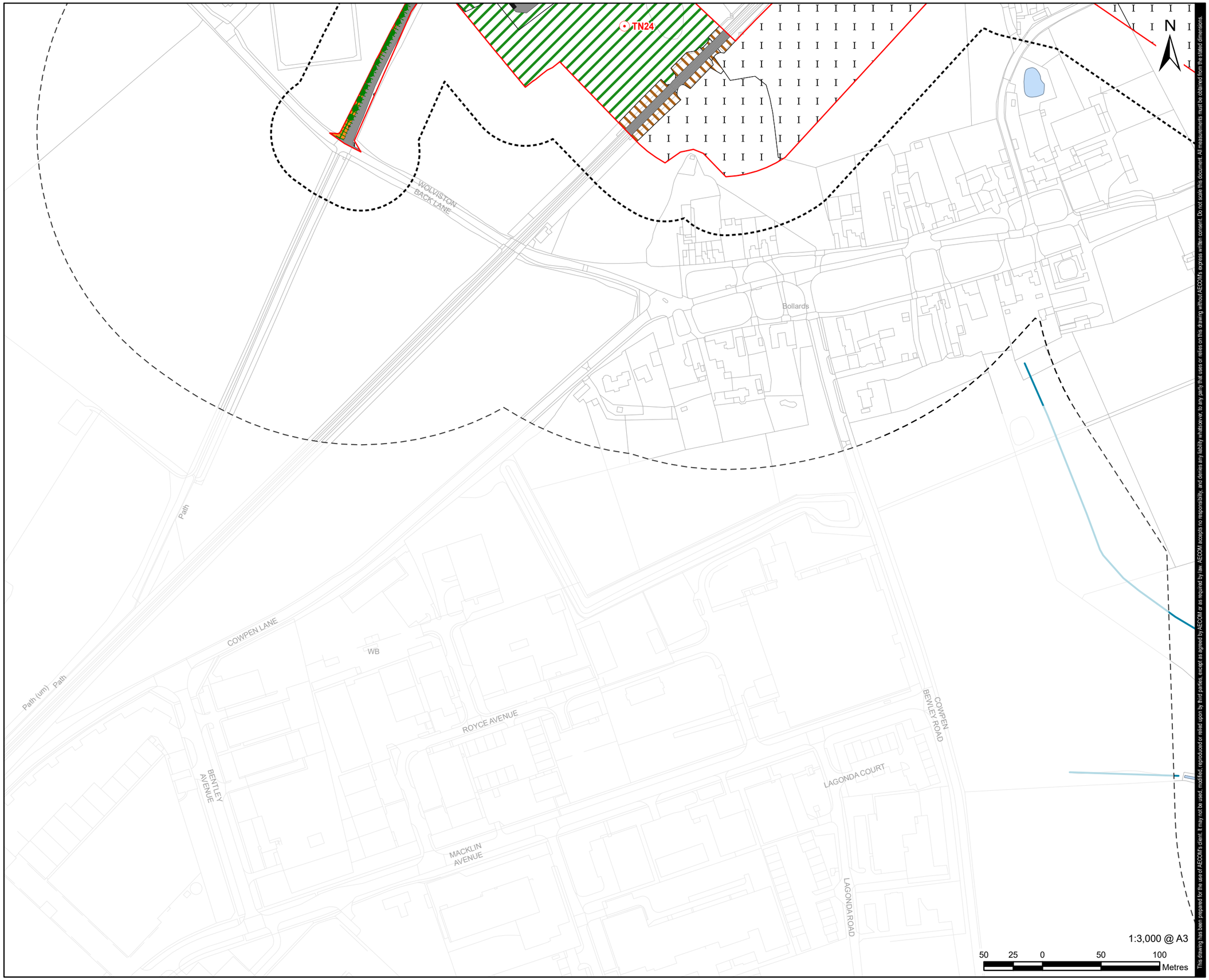
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 2 of 59)

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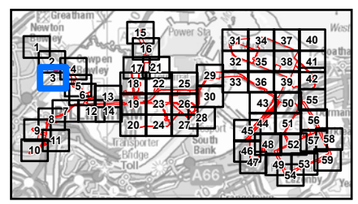
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LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- A3.1 - Broadleaved parkland/scattered trees
- J2.1.2 - Intact hedge - species-poor
- J2.3.2 - Hedge with trees - species-poor
- A1.1.2 - Broadleaved woodland - plantation
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- B4 - Improved grassland
- B6 - Poor semi-improved grassland
- C3.1 - Other tall herb and fern - ruderal
- J1.2 - Cultivated/disturbed land - amenity grassland
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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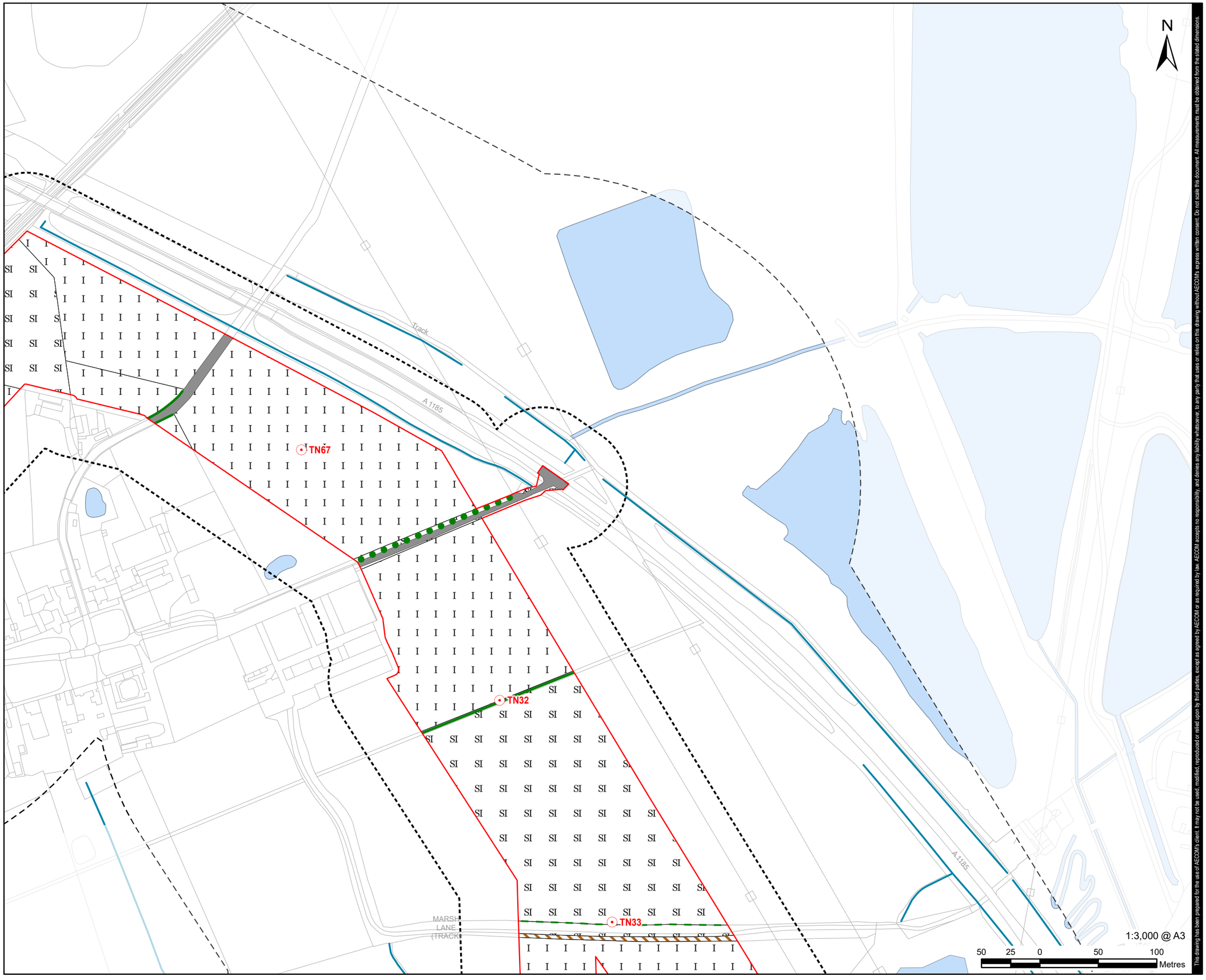
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 3 of 59)

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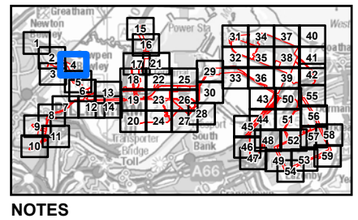
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LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- A3.1 - Broadleaved parkland/scattered trees
- J2.1.2 - Intact hedge - species-poor
- J2.2.2 - Defunct hedge - species-poor
- J2.6 - Dry ditch
- B2.2 - Neutral grassland - semi-improved
- B4 - Improved grassland
- B6 - Poor semi-improved grassland
- C3.1 - Other tall herb and fern - ruderal
- Hardstanding
- Waterbody
- Waterbody area



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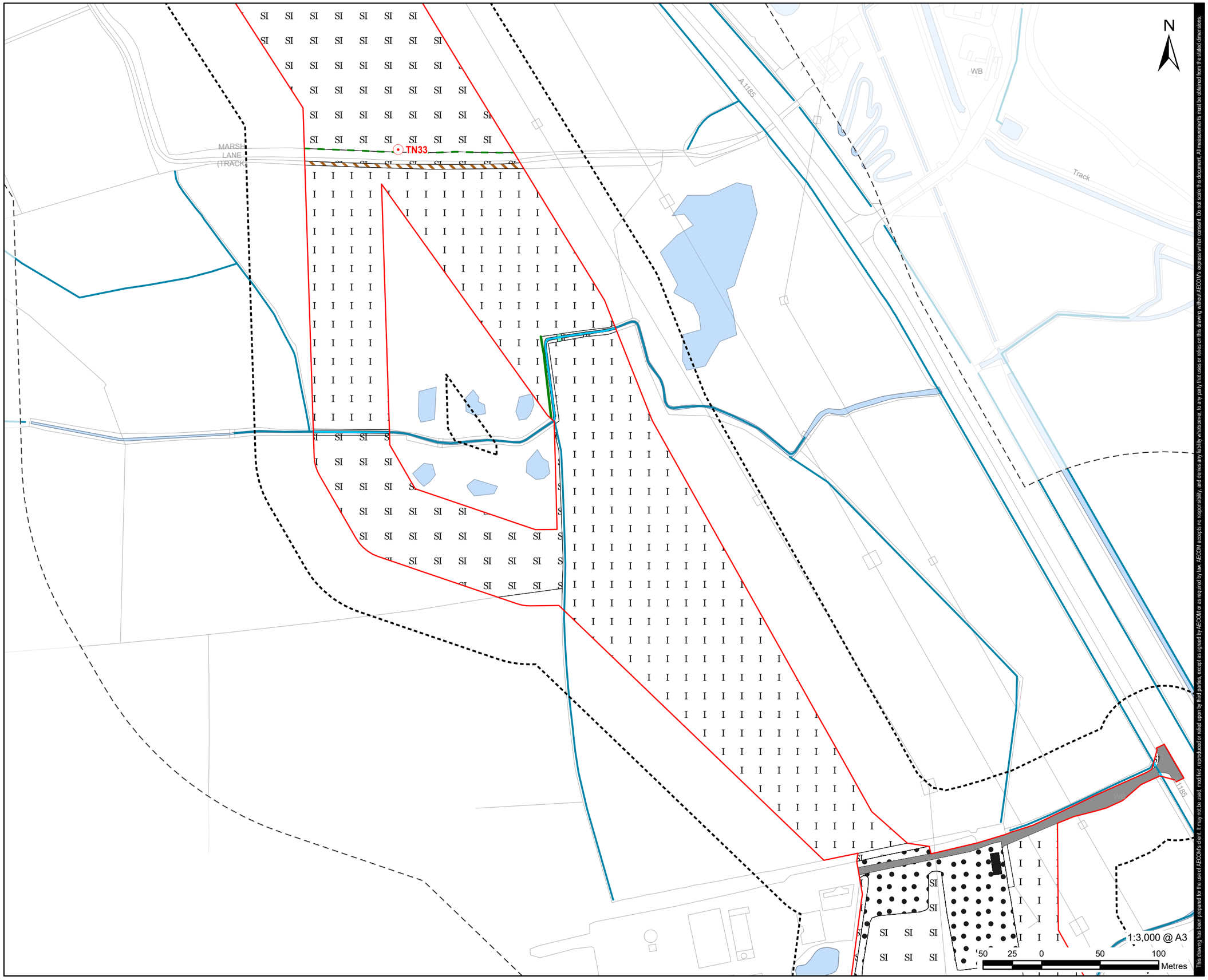
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 4 of 59)

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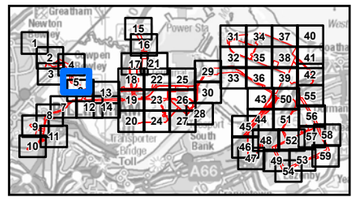
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LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- G2 - Running water
- J2.1.2 - Intact hedge - species-poor
- J2.2.2 - Defunct hedge - species-poor
- J2.6 - Dry ditch
- B4 - Improved grassland
- B6 - Poor semi-improved grassland
- C3.1 - Other tall herb and fern - ruderal
- G2 - Running water
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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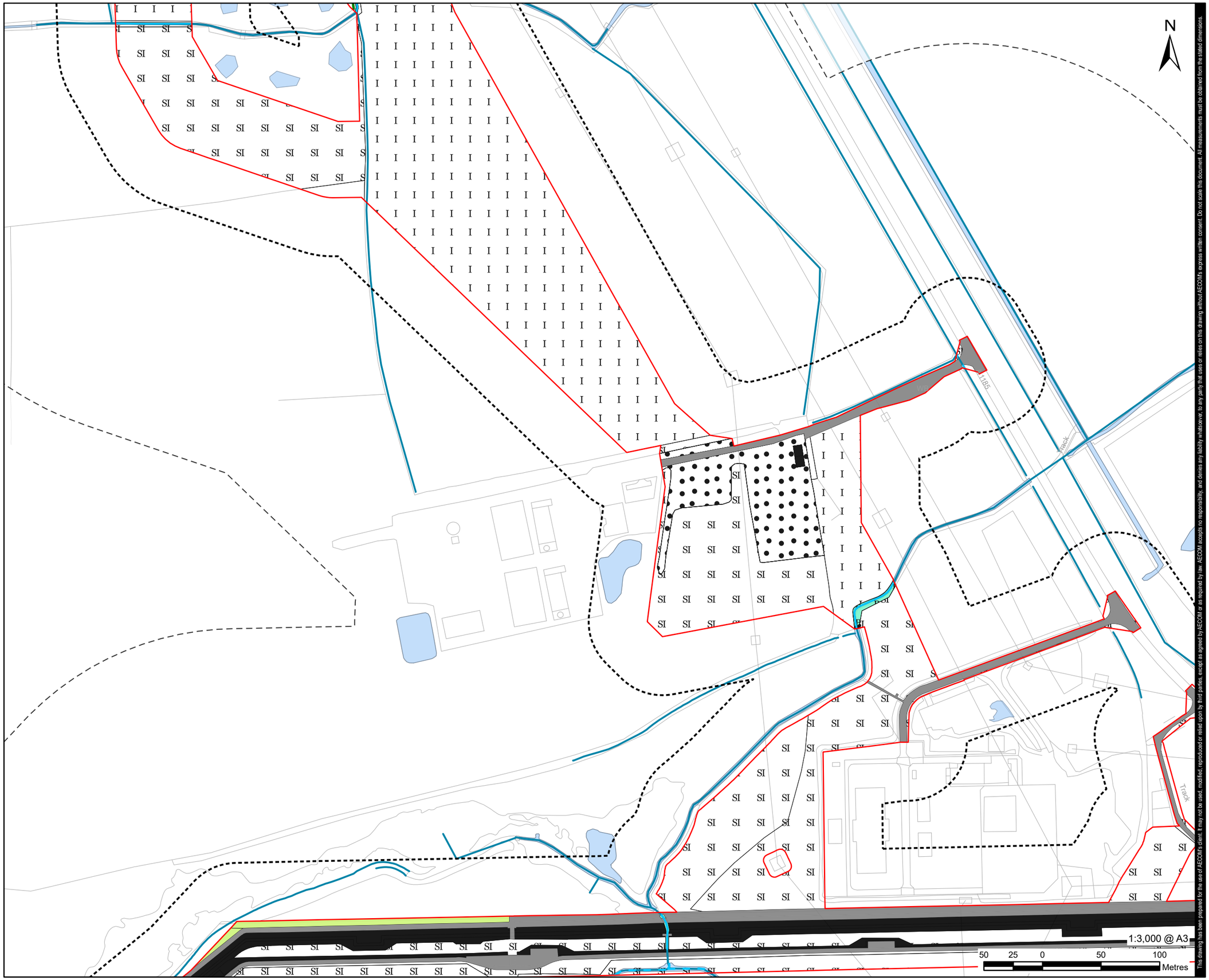
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FIGURE TITLE

The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 5 of 59)



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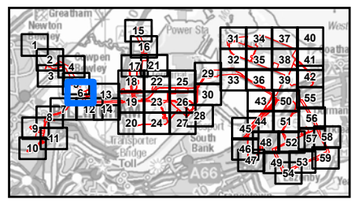
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LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- G2 - Running water
- J2.1.2 - Intact hedge - species-poor
- J2.6 - Dry ditch
- A1.1.2 - Broadleaved woodland - plantation
- B4 - Improved grassland
- B6 - Poor semi-improved grassland
- F1 - Swamp
- F2.1 - Marginal and inundation - marginal vegetation
- G2 - Running water
- G2.6 - Running water - brackish
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

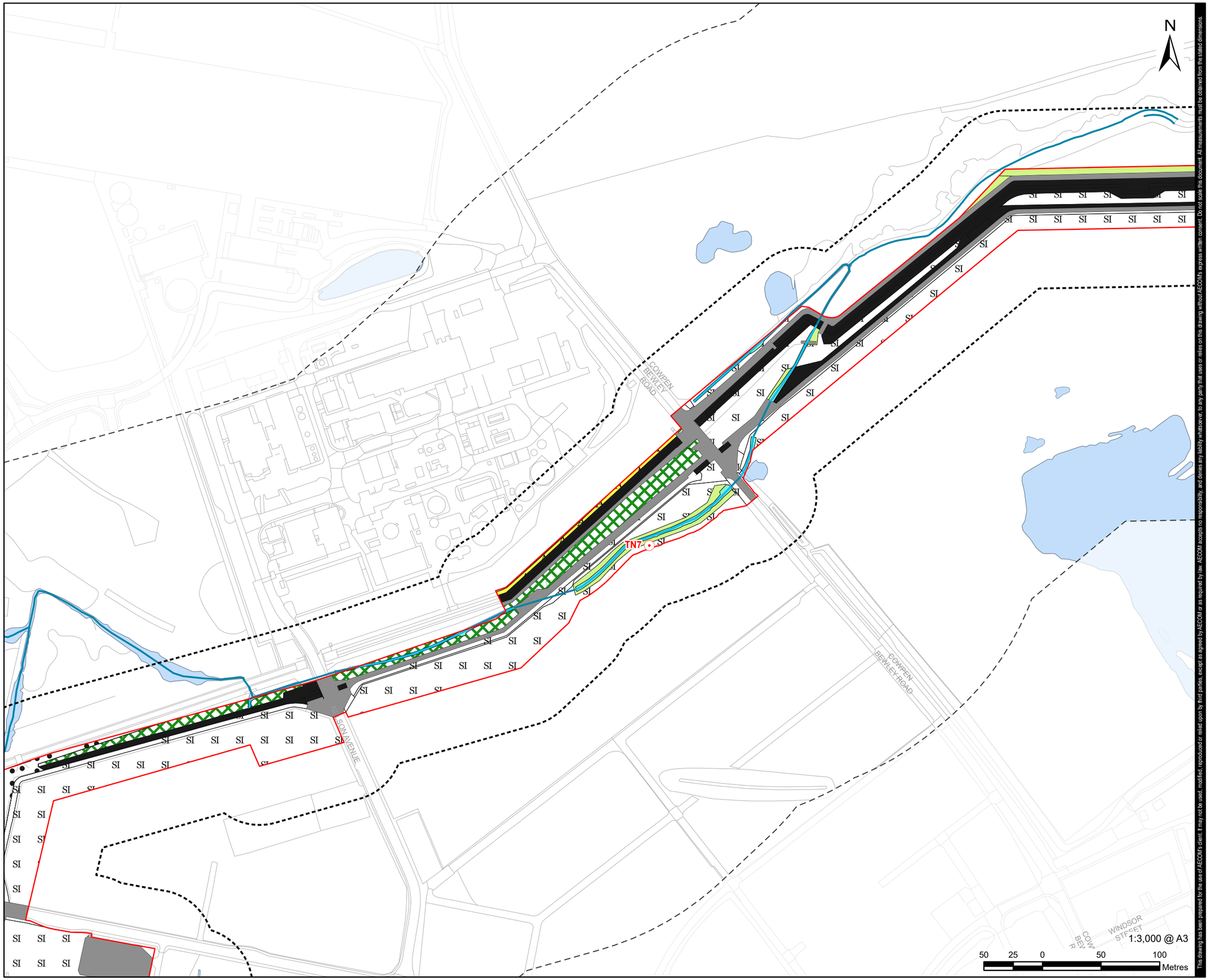
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 6 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\fs\EMEA\Bristol-UKBRI\2Legacy\UKBRI2FP001\VOL1\BE\Projects\Environmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside ESH\H2Teesside_ES_Ecology\PEA.aprx



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AECOM

PROJECT

H2Teesside DCO

APPLICANT

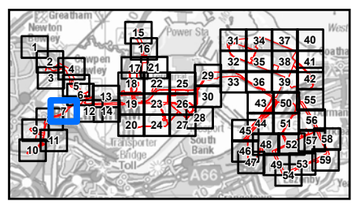
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- G2 - Running water
- A1.1.2 - Broadleaved woodland - plantation
- A2.1 - Scrub - dense/continuous
- SI — B6 - Poor semi-improved grassland
- F1 - Swamp
- G2 - Running water
- A — J1.2 - Cultivated/disturbed land - amenity grassland
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

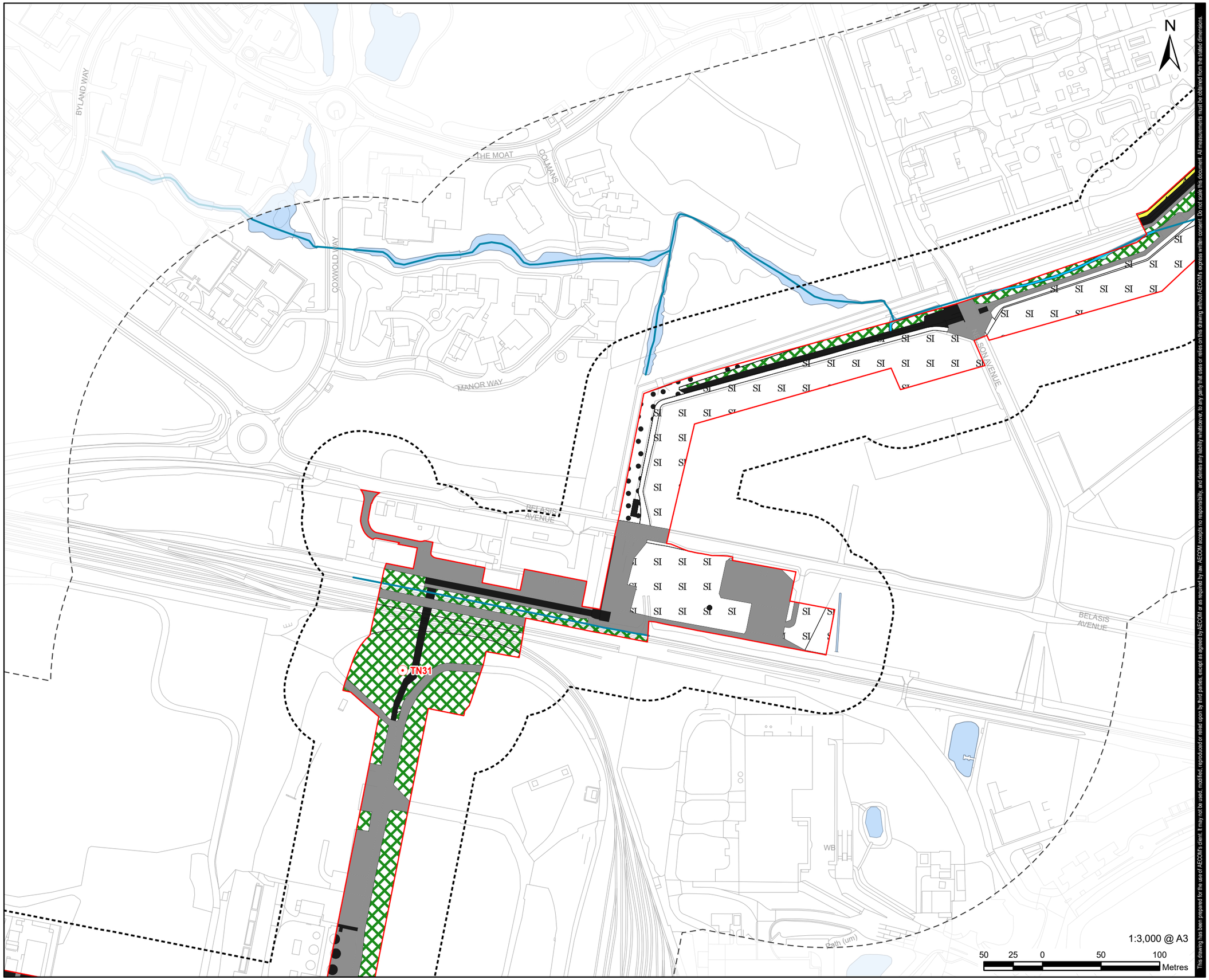
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 7 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\fs\EMEA\Bristol-UKBRI2\Legacy\UKBRI2FP0101\VOL 1\BE\Projects\Environmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside ES\H2Teesside_ES_Ecology\PEA.aprx



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AECOM

PROJECT

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APPLICANT

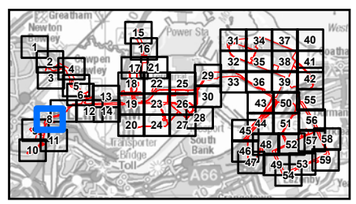
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- G2 - Running water
- A1.1.2 - Broadleaved woodland - plantation
- A2.1 - Scrub - dense/continuous
- SI — B6 - Poor semi-improved grassland
- G2 - Running water
- A — J1.2 - Cultivated/disturbed land - amenity grassland
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 8 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

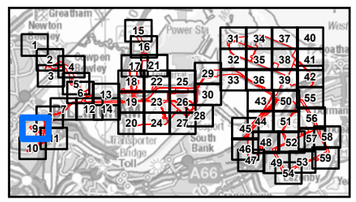
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- A2.1 - Scrub - dense/continuous
- G1 - Standing water
- J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J1.4 - Introduced shrub
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

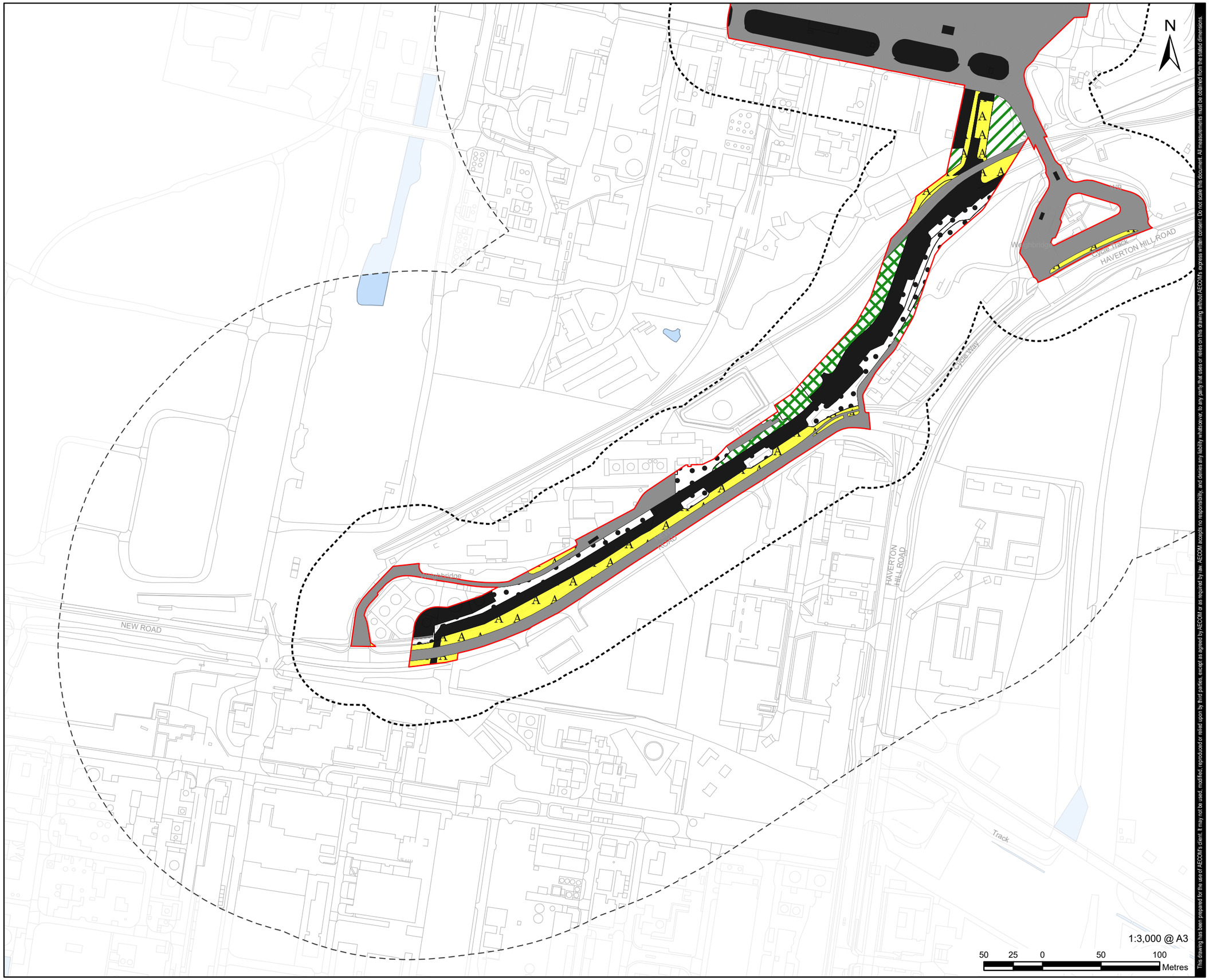
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 9 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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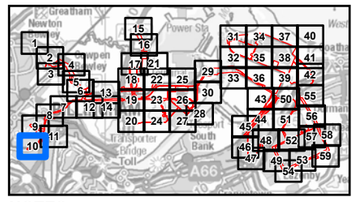
H2 Teesside Limited

CONSULTANT

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Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A1.1.2 - Broadleaved woodland - plantation
- A2.1 - Scrub - dense/continuous
- SI — B2.2 - Neutral grassland - semi-improved
- A — J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 10 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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APPLICANT

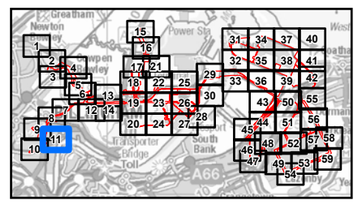
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A1.1.2 - Broadleaved woodland - plantation
- A2.1 - Scrub - dense/continuous
- G1 - Standing water
- J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody area



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Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

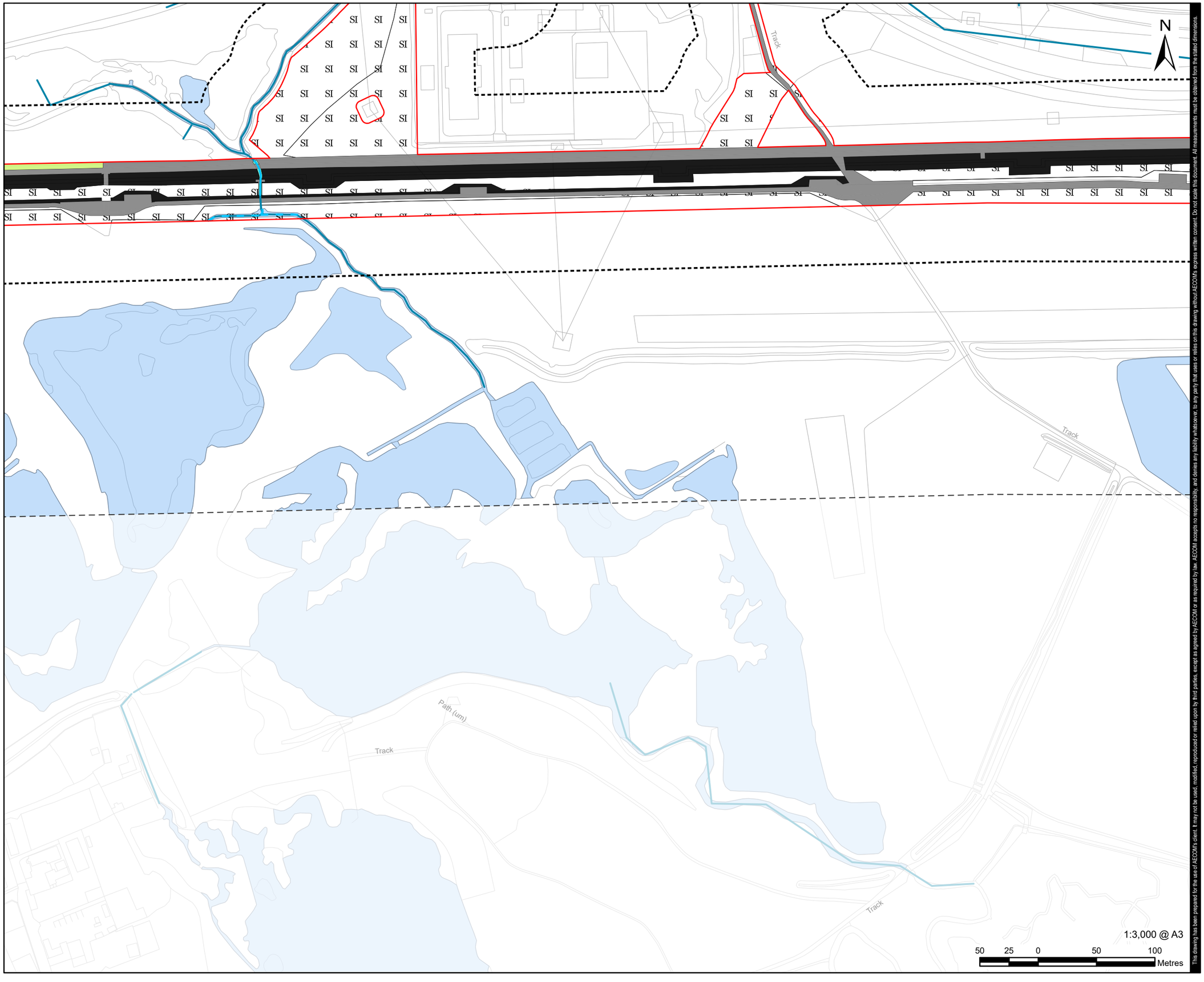
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 11 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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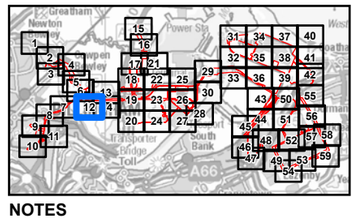
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- G2 - Running water
- J2.6 - Dry ditch
- SI — B6 - Poor semi-improved grassland
- F1 - Swamp
- G2 - Running water
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

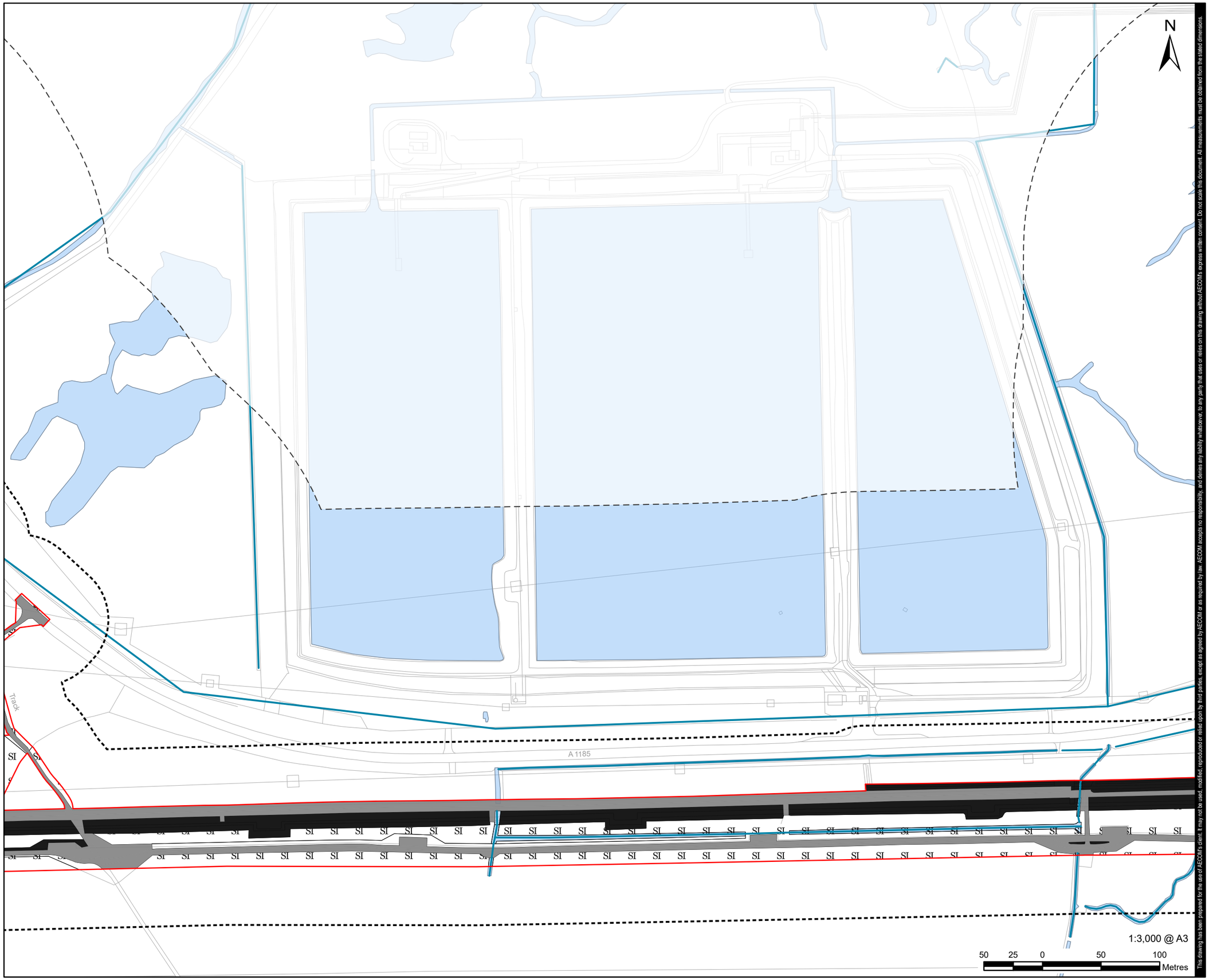
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 12 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

H2Teesside DCO

APPLICANT

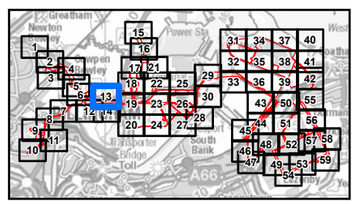
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- SI B6 - Poor semi-improved grassland
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

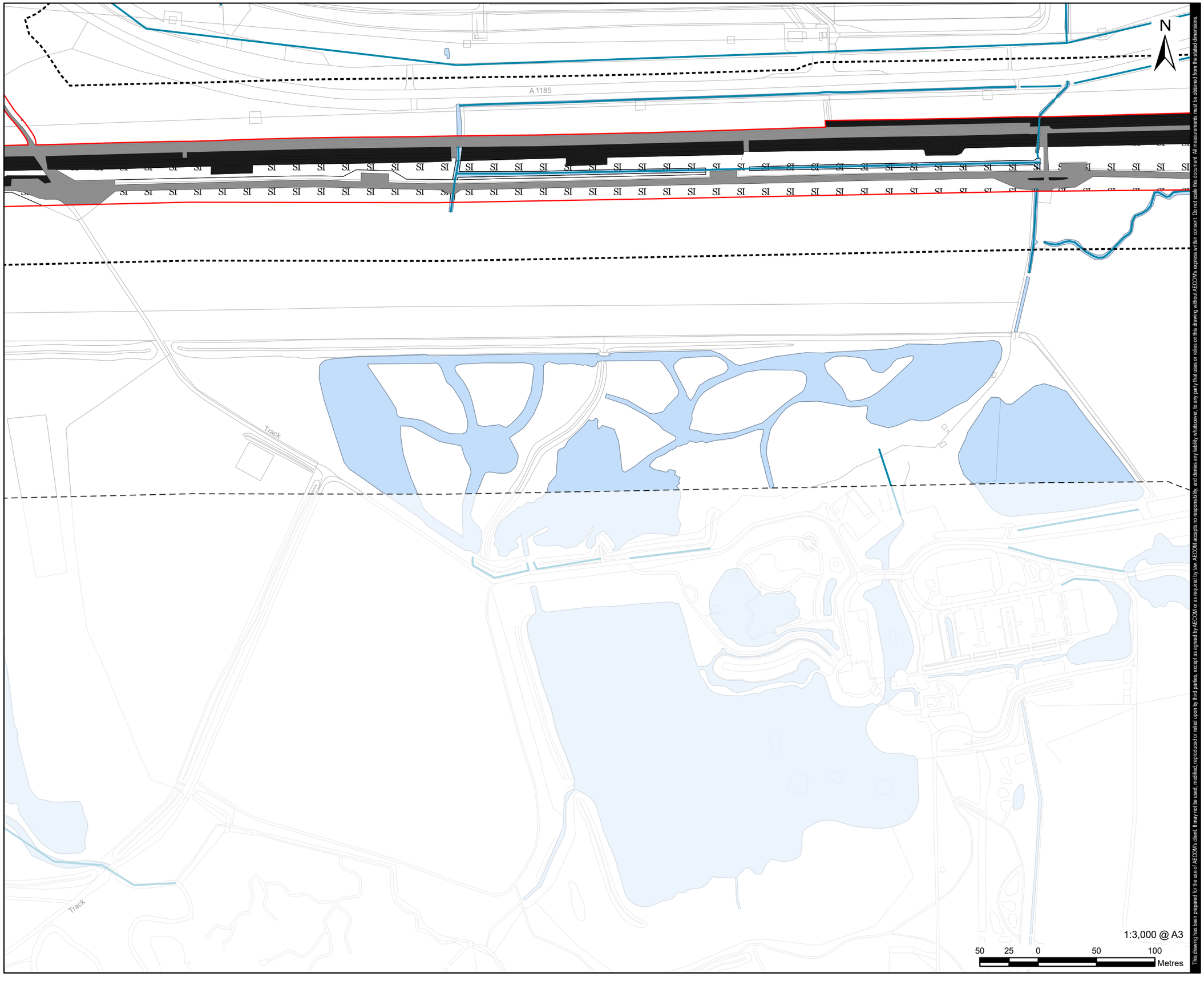
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 13 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

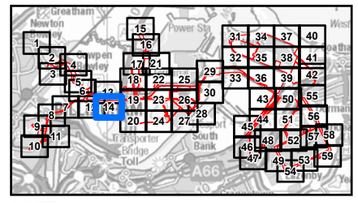
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- SI — B6 - Poor semi-improved grassland
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

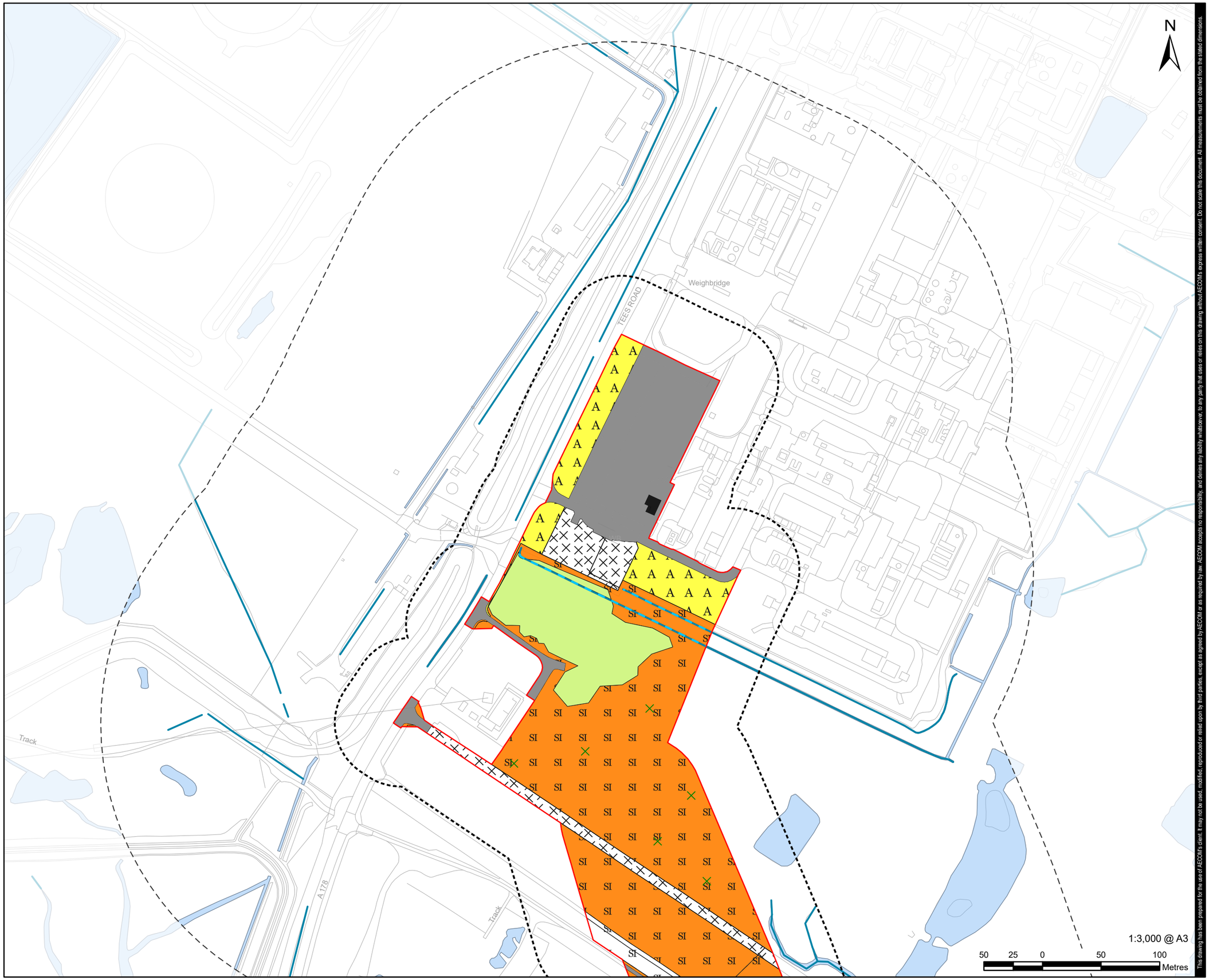
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 14 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

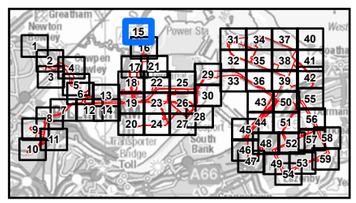
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.2 - Scrub - scattered
- J2.6 - Dry ditch
- SI B2.2 - Neutral grassland - semi-improved
- SI B6 - Poor semi-improved grassland
- F1 - Swamp
- A J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

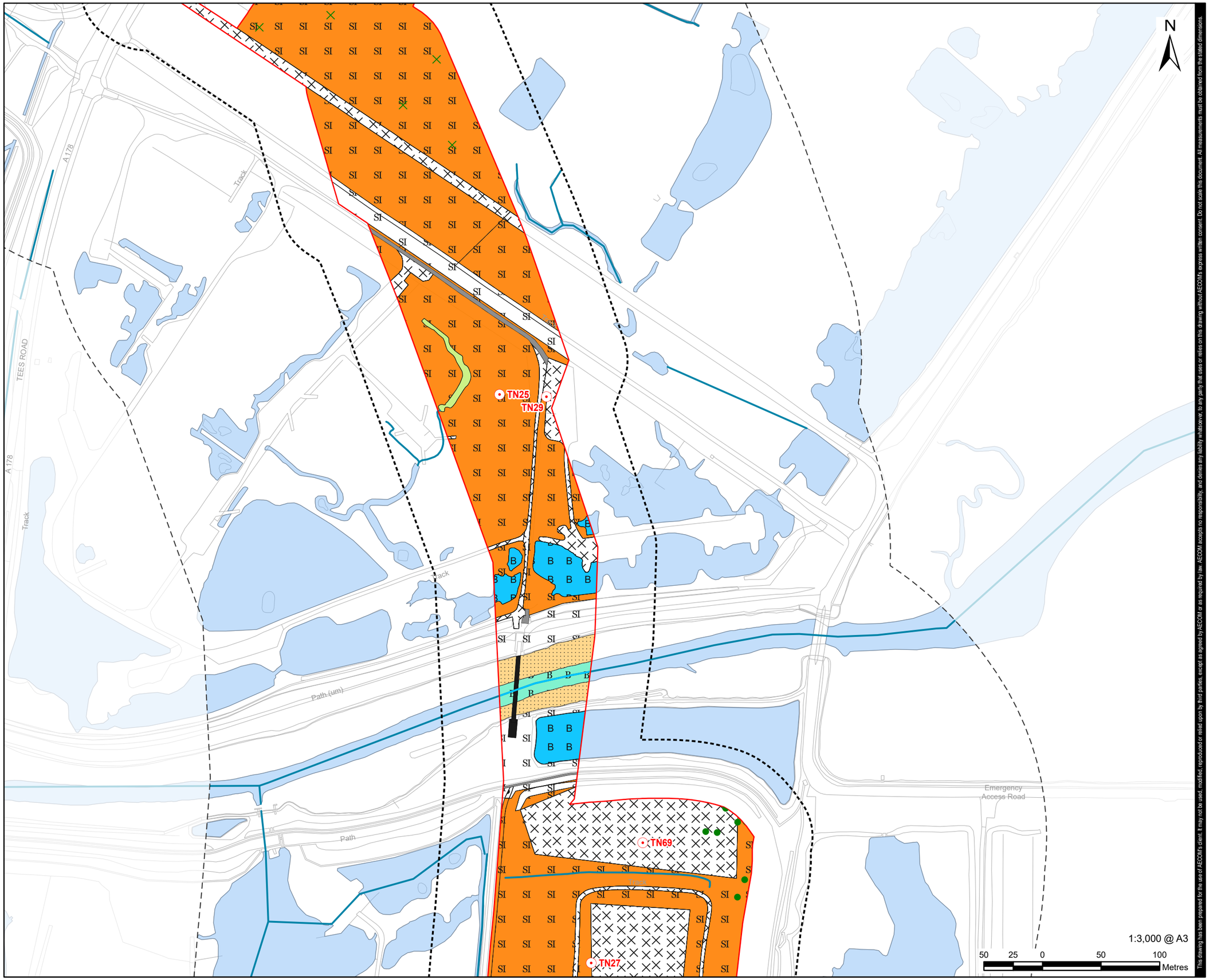
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 15 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

H2Teesside DCO

APPLICANT

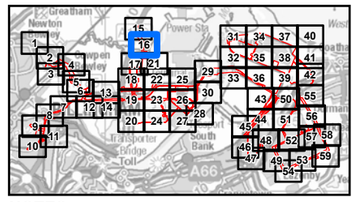
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- A2.2 - Scrub - scattered
- A3.1 - Broadleaved parkland/scattered trees
- G2 - Running water
- SI B2.2 - Neutral grassland - semi-improved
- SI B6 - Poor semi-improved grassland
- F1 - Swamp
- B G1.6 - Standing water - brackish
- B G2.6 - Running water - brackish
- H1.1 - Intertidal - mud/sand
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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60689030

FIGURE TITLE

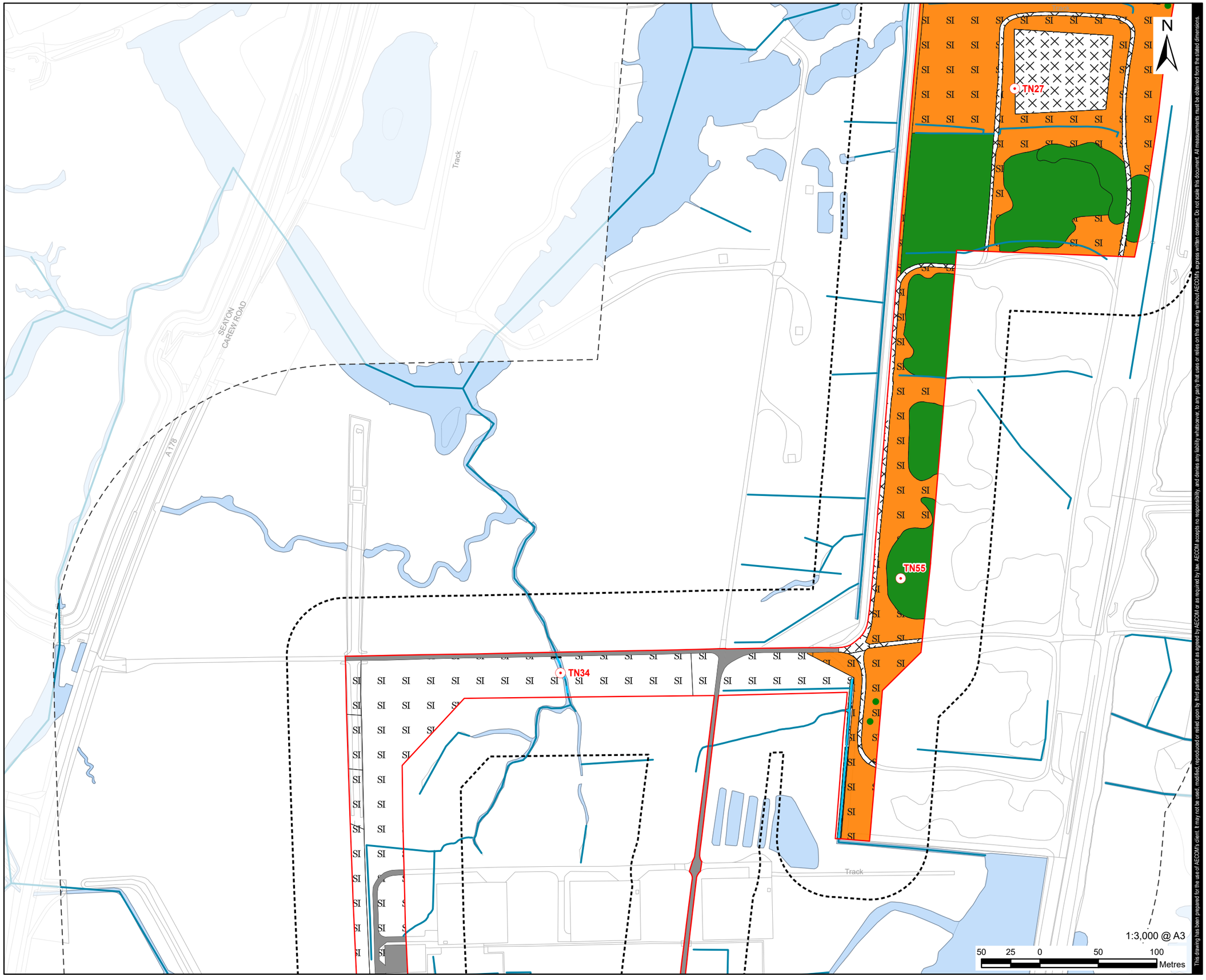
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 16 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\ls\EMEA\Bristol-UKBRI2\Legacy\UKBRI2FP001\VOL 1\BE\Projects\Environmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside ES\H2Teesside_ES_Ecology\PEA.aprx



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AECOM

PROJECT

H2Teesside DCO

APPLICANT

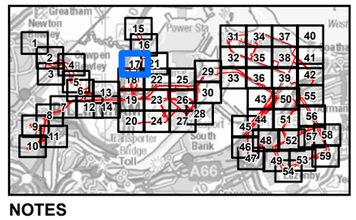
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- A3.1 - Broadleaved parkland/scattered trees
- G2 - Running water
- J2.6 - Dry ditch
- A1.1.1 - Broadleaved woodland - semi-natural
- SI B2.2 - Neutral grassland - semi-improved
- SI B6 - Poor semi-improved grassland
- B G2.6 - Running water - brackish
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



NOTES

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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

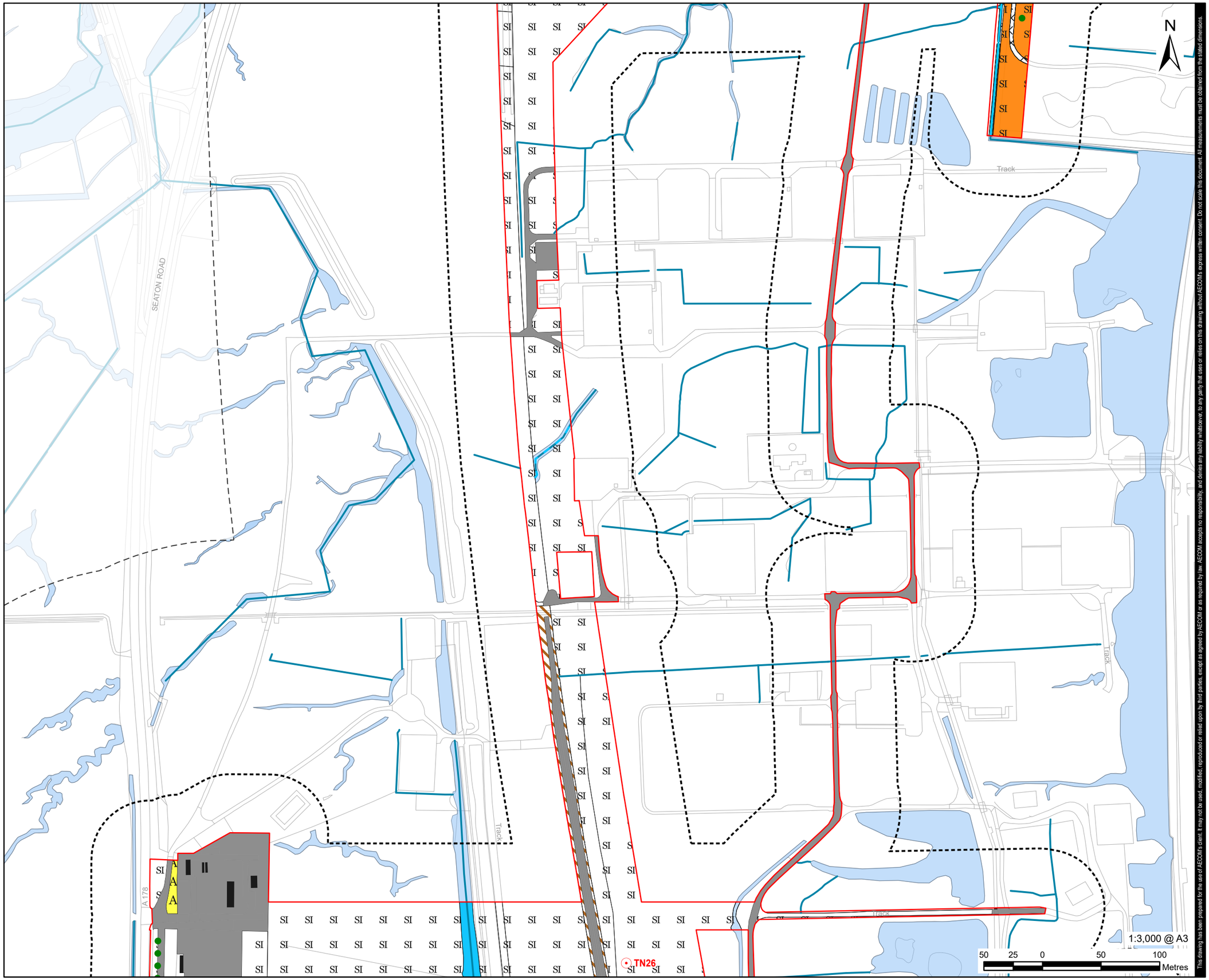
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 17 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

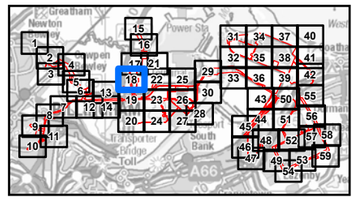
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- A3.1 - Broadleaved parkland/scattered trees
- A3.1 - Broadleaved parkland/scattered trees
- G2 - Running water
- J2.6 - Dry ditch
- SI B2.2 - Neutral grassland - semi-improved
- SI B6 - Poor semi-improved grassland
- C3.1 - Other tall herb and fern - ruderal
- G1 - Standing water
- B G2.6 - Running water - brackish
- A J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

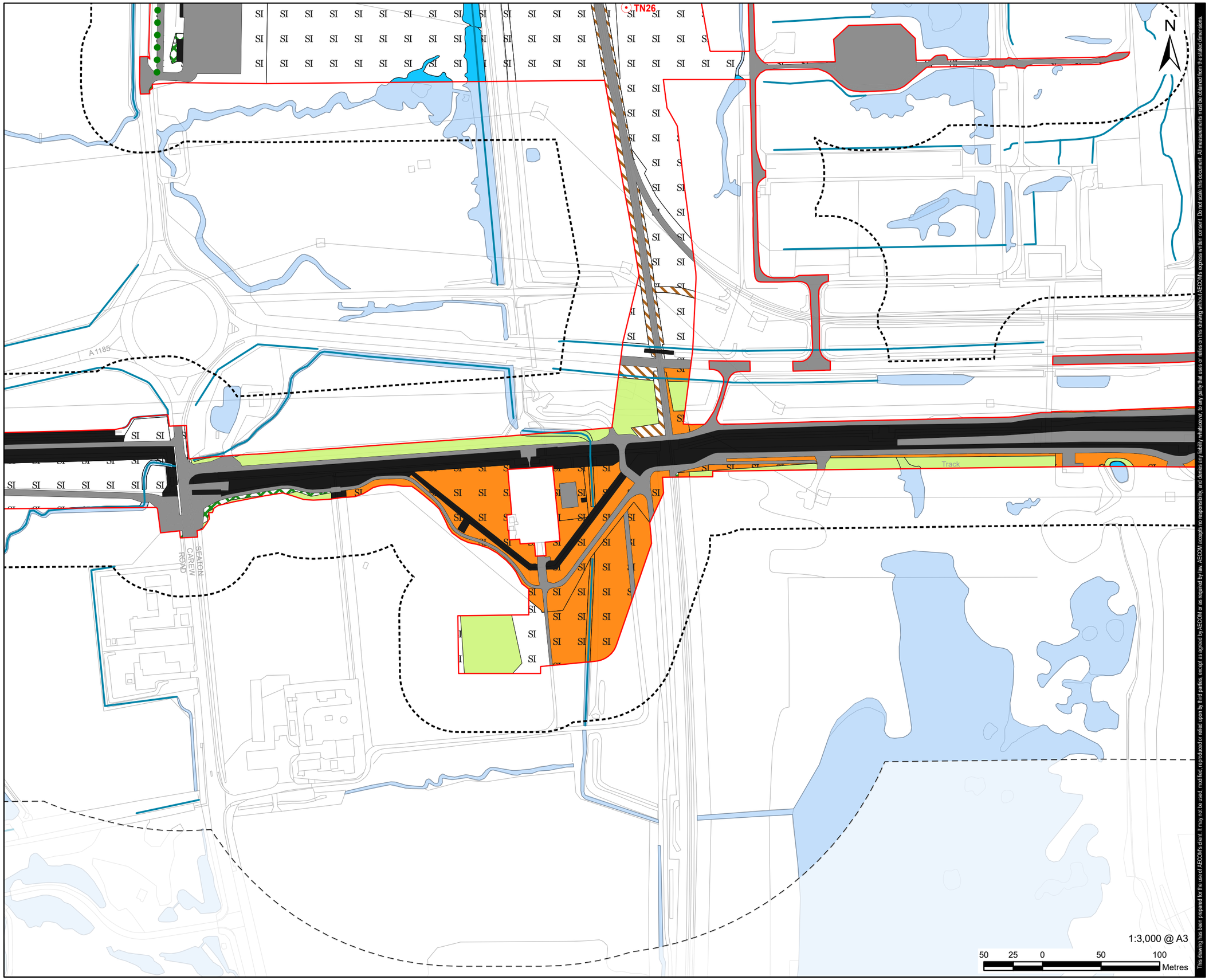
60689030

FIGURE TITLE

The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 18 of 59)



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AECOM

PROJECT

H2Teesside DCO

APPLICANT

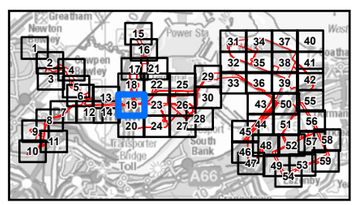
H2 Teesside Limited

CONSULTANT

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Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- A3.1 - Broadleaved parkland/scattered trees
- J2.2.2 - Defunct hedge - species-poor
- A1.1.1 - Broadleaved woodland - semi-natural
- A1.1.2 - Broadleaved woodland - plantation
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- B6 - Poor semi-improved grassland
- C3.1 - Other tall herb and fern - ruderal
- F1 - Swamp
- G1 - Standing water
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

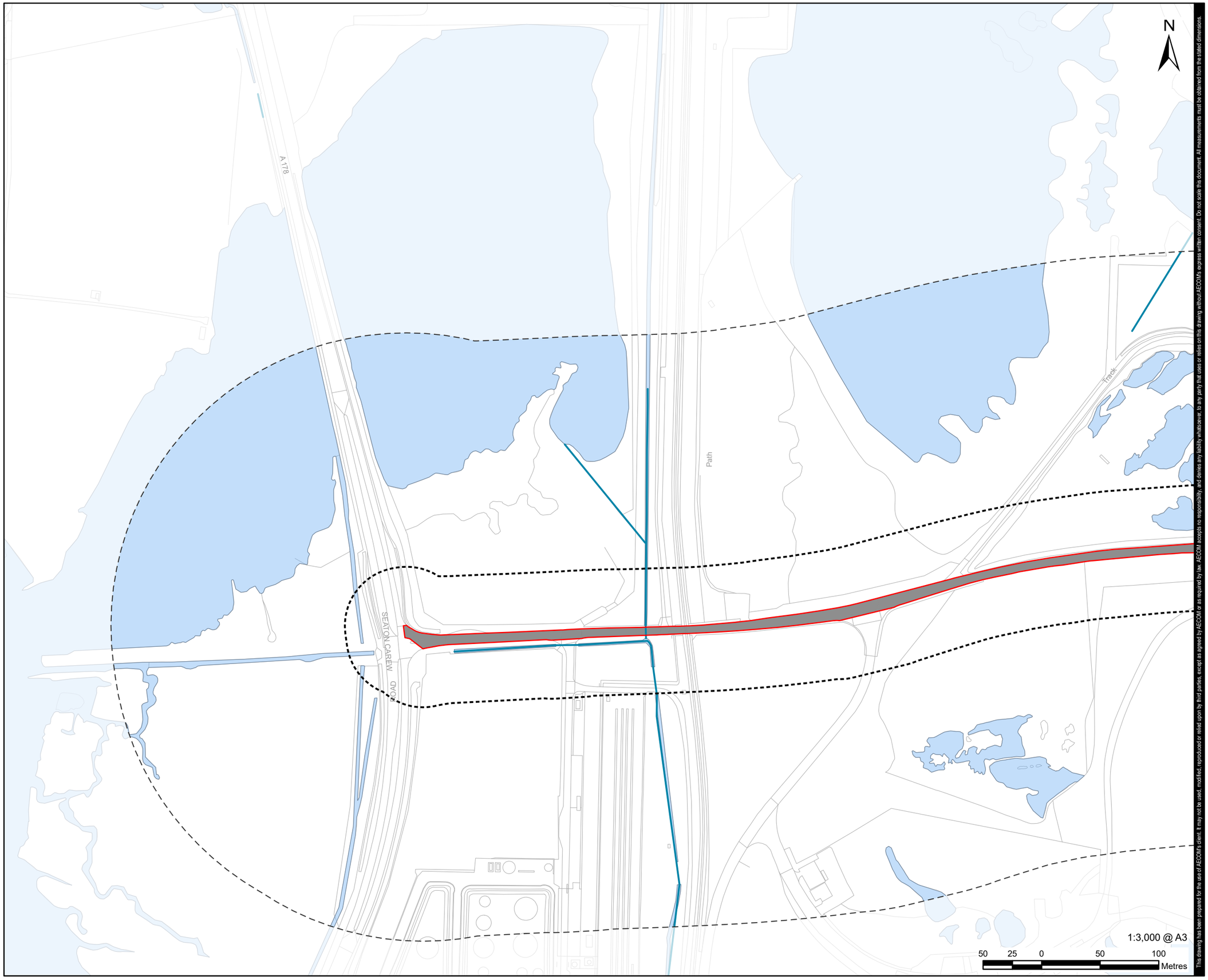
Figure 12-A-4 (Sheet 19 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\ifs\EMEA\Bristol-UKBR\2L Legacy\UKBR12FP0011\VOL1\BEI\Projects\Environmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside_ESH2Teesside_ESH2Teesside_ES_Ecology\PEA.aprx



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PROJECT

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APPLICANT

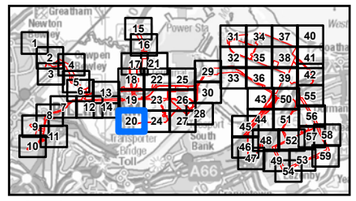
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Hardstanding
- Waterbody
- Waterbody area



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Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

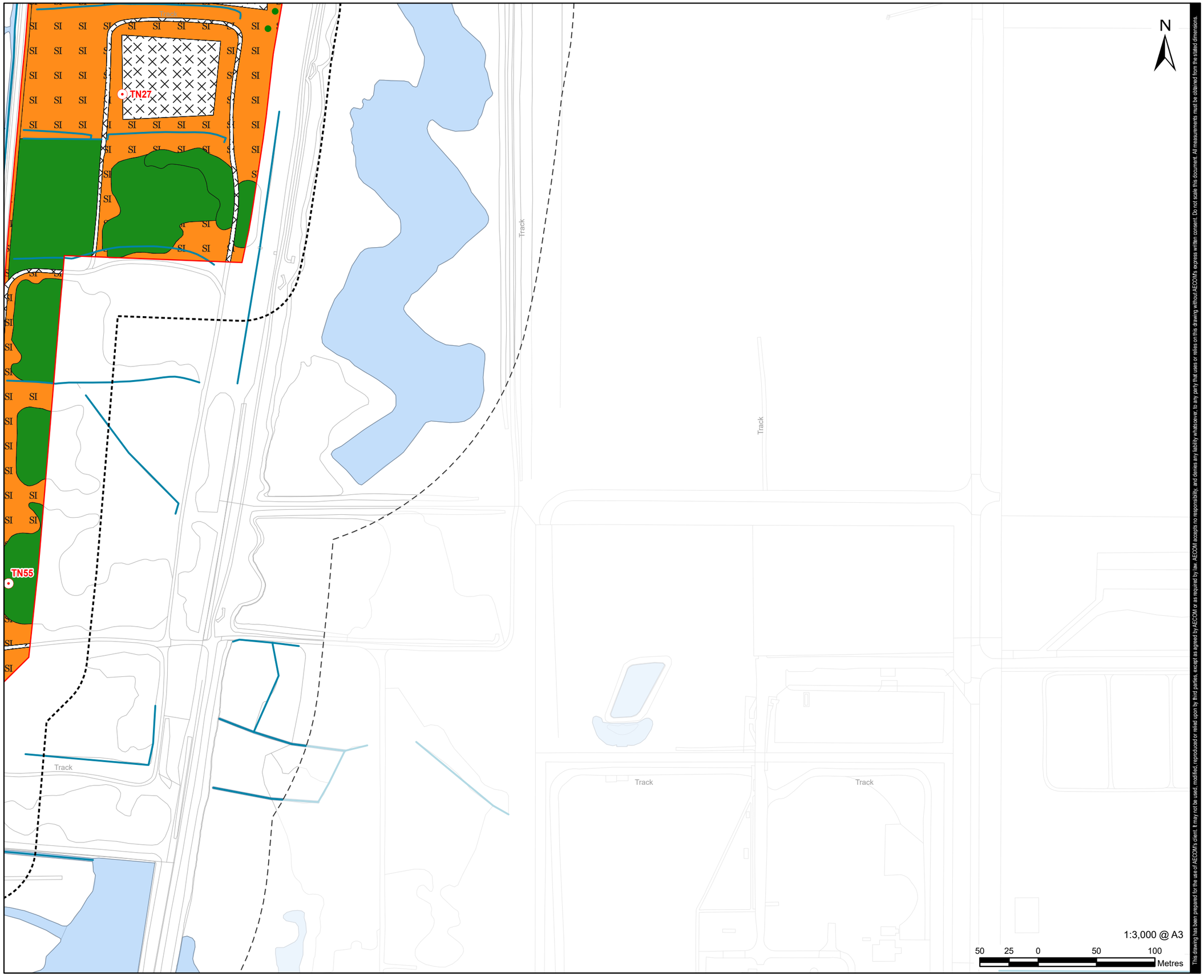
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 20 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

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APPLICANT

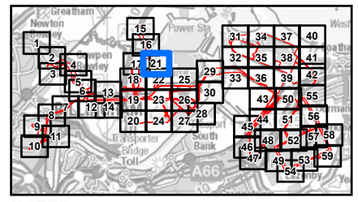
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- A3.1 - Broadleaved parkland/scattered trees
- A1.1.1 - Broadleaved woodland - semi-natural
- SI — B2.2 - Neutral grassland - semi-improved
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

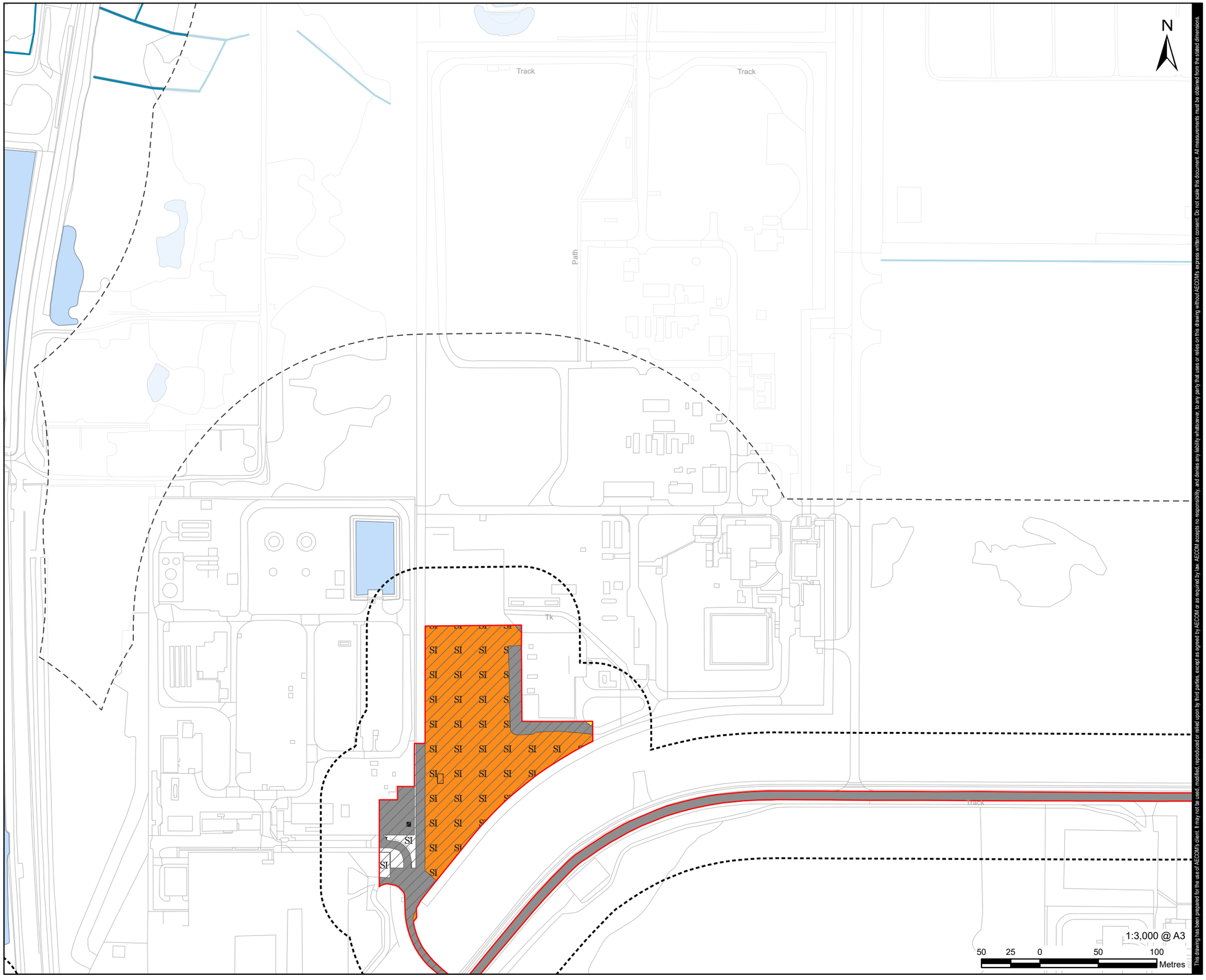
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 21 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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APPLICANT

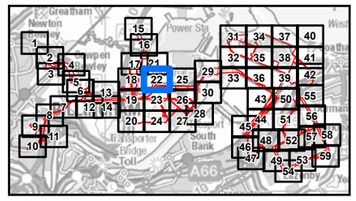
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- B6 - Poor semi-improved grassland
- J1.2 - Cultivated/disturbed land - amenity grassland
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area
- Area not accessed



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

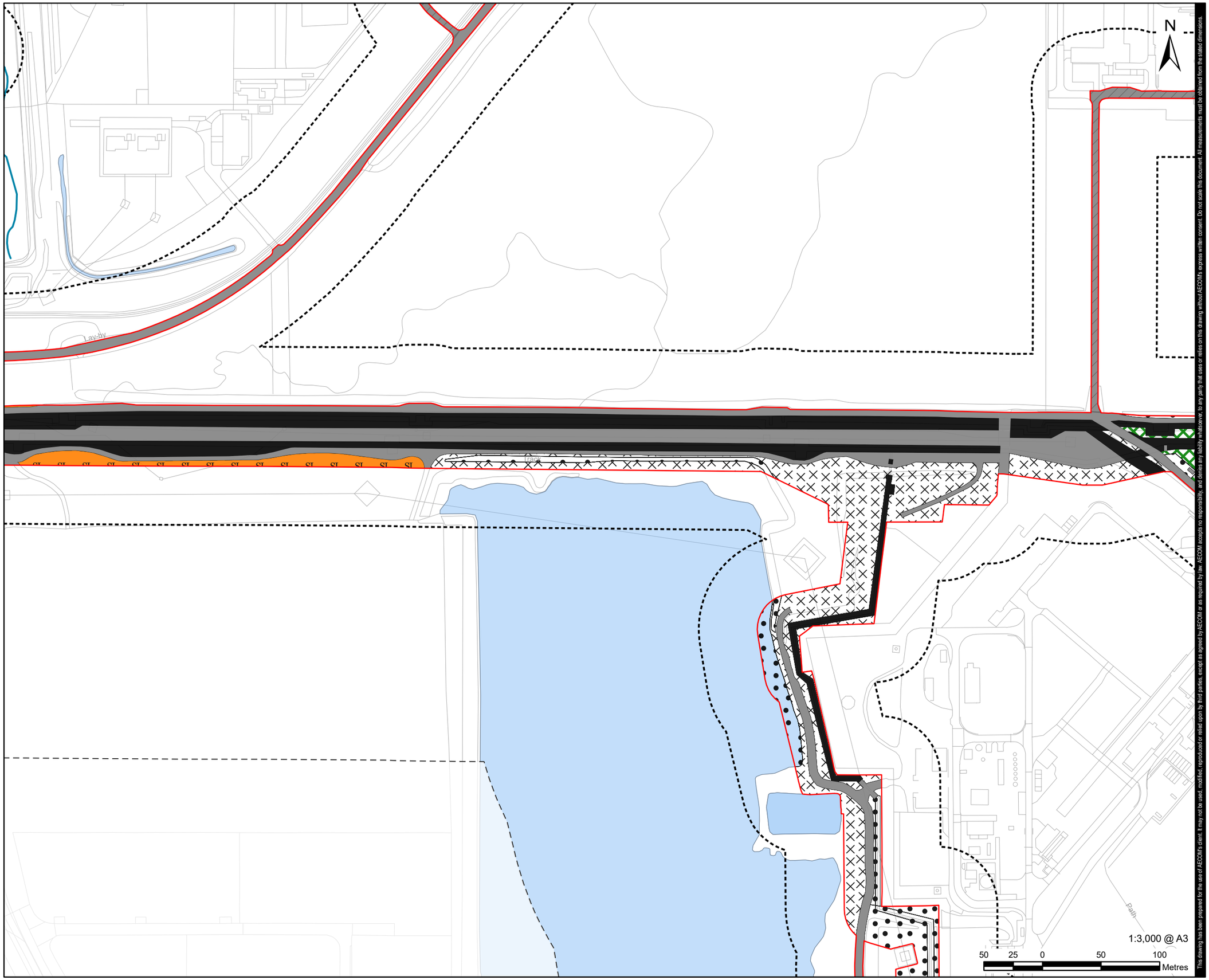
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 22 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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APPLICANT

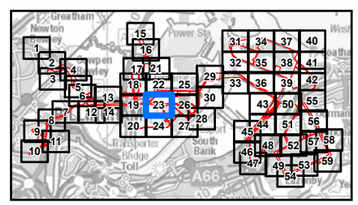
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- G1 - Standing water
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area
- Area not accessed



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

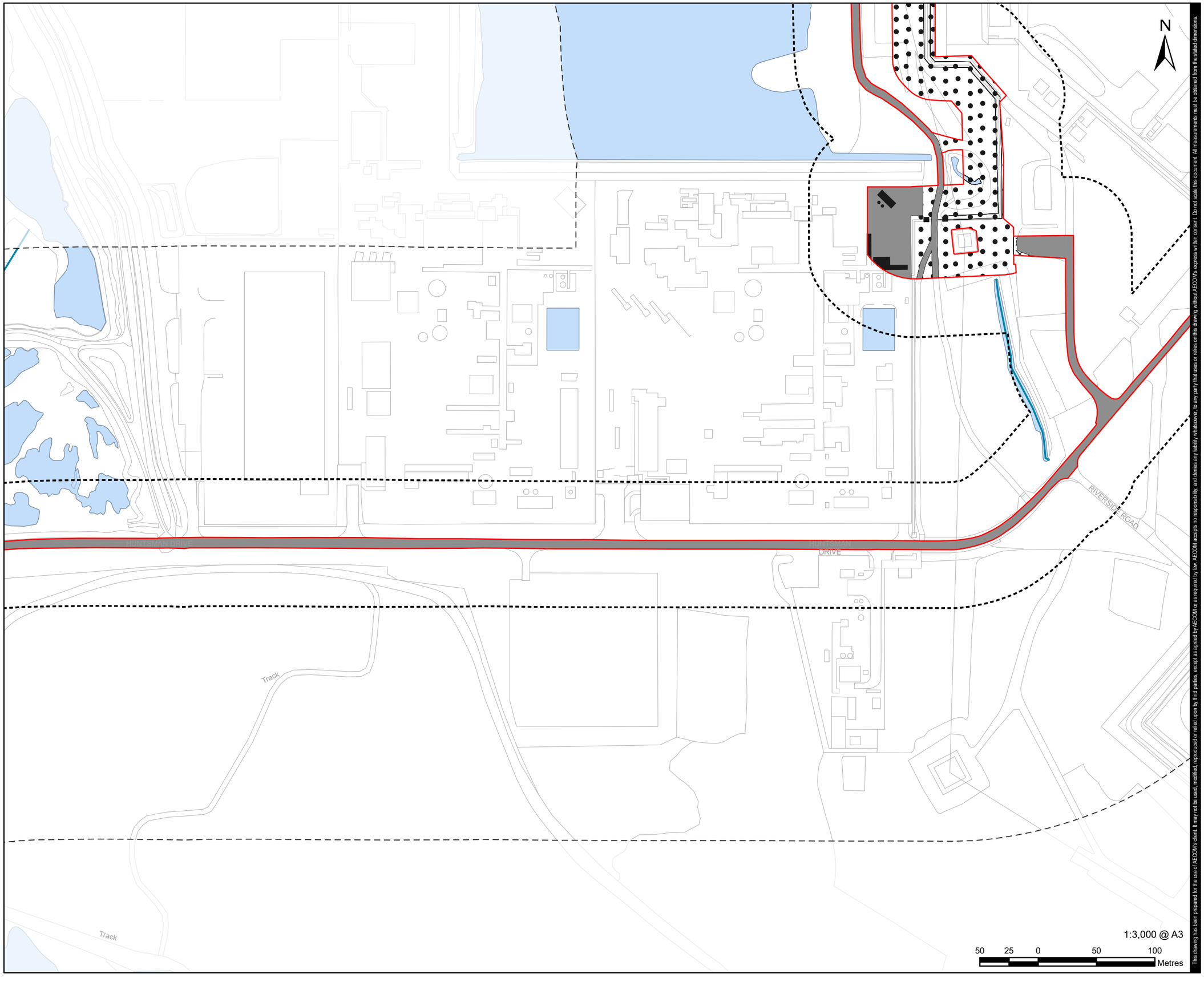
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 23 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

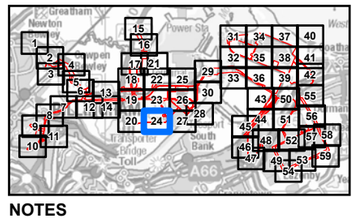
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- SI — B2.2 - Neutral grassland - semi-improved
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

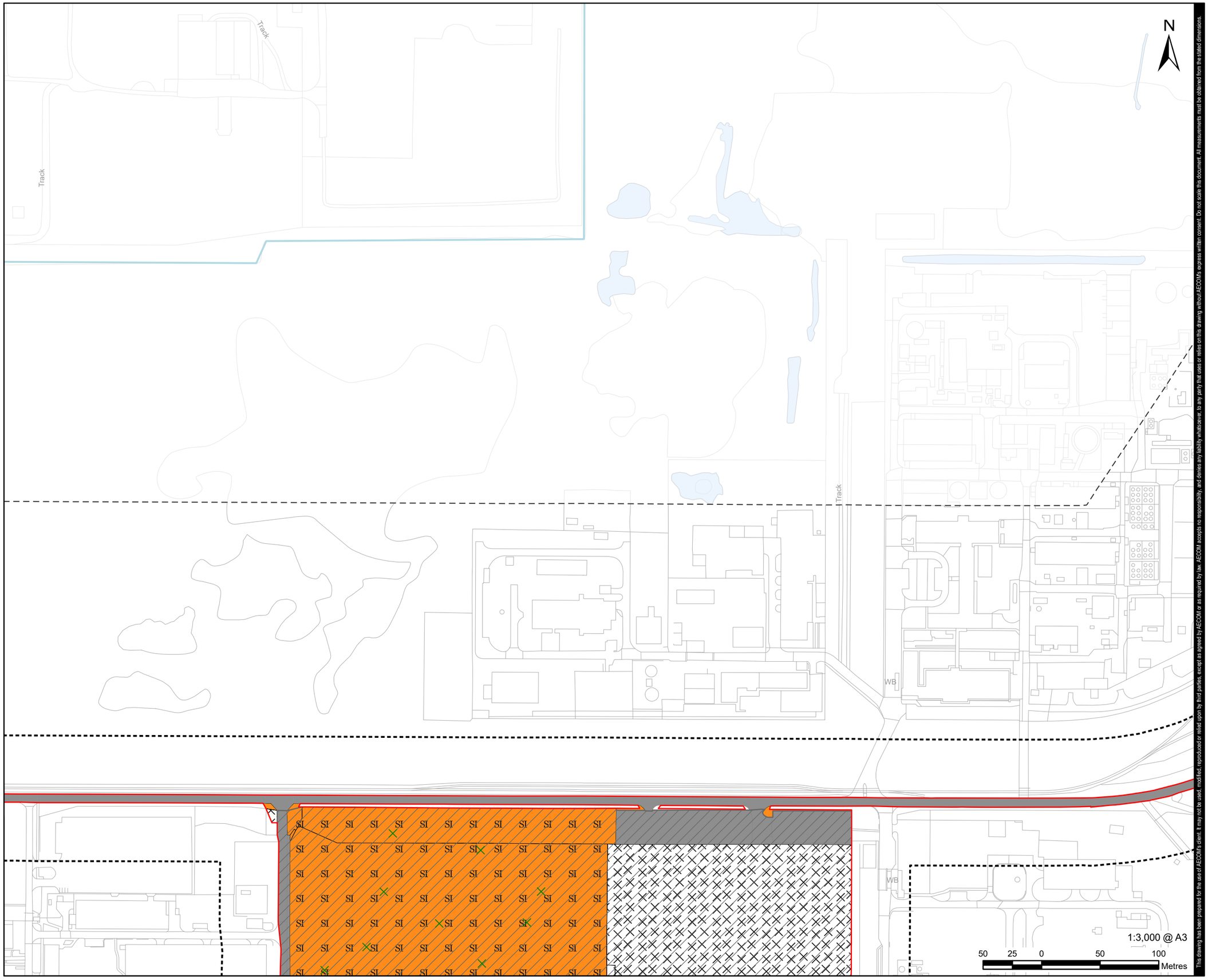
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 24 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

H2Teesside DCO

APPLICANT

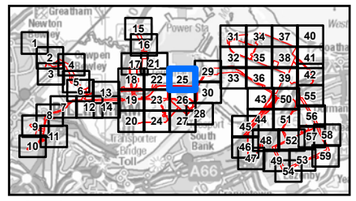
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.2 - Scrub - scattered
- B2.2 - Neutral grassland - semi-improved
- J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- Hardstanding
- Waterbody
- Waterbody area
- Area not accessed



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

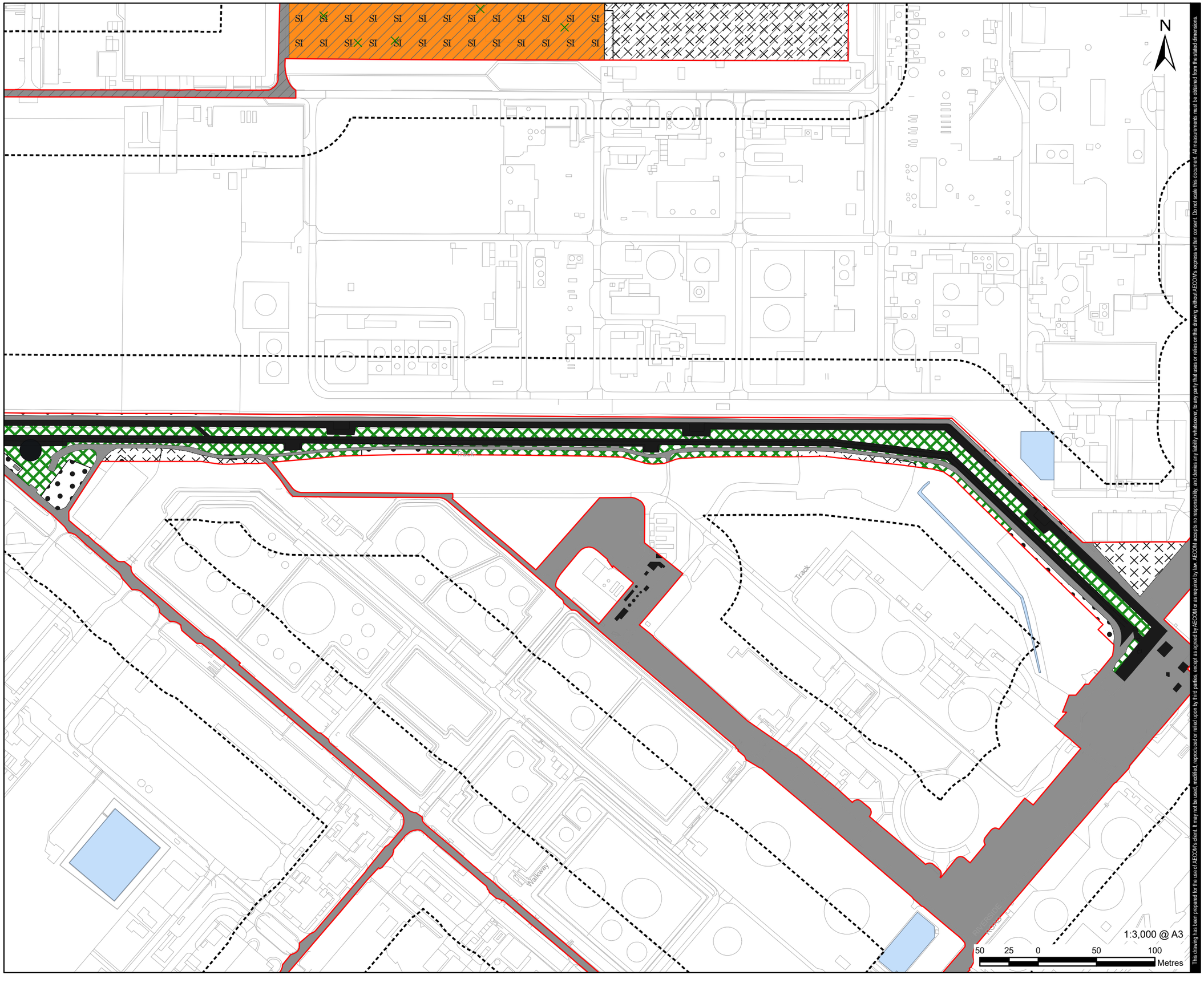
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 25 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

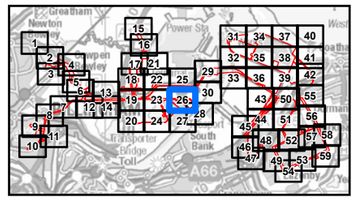
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.2 - Scrub - scattered
- A2.1 - Scrub - dense/continuous
- SI — B2.2 - Neutral grassland - semi-improved
- A — J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody area
- Area not accessed



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

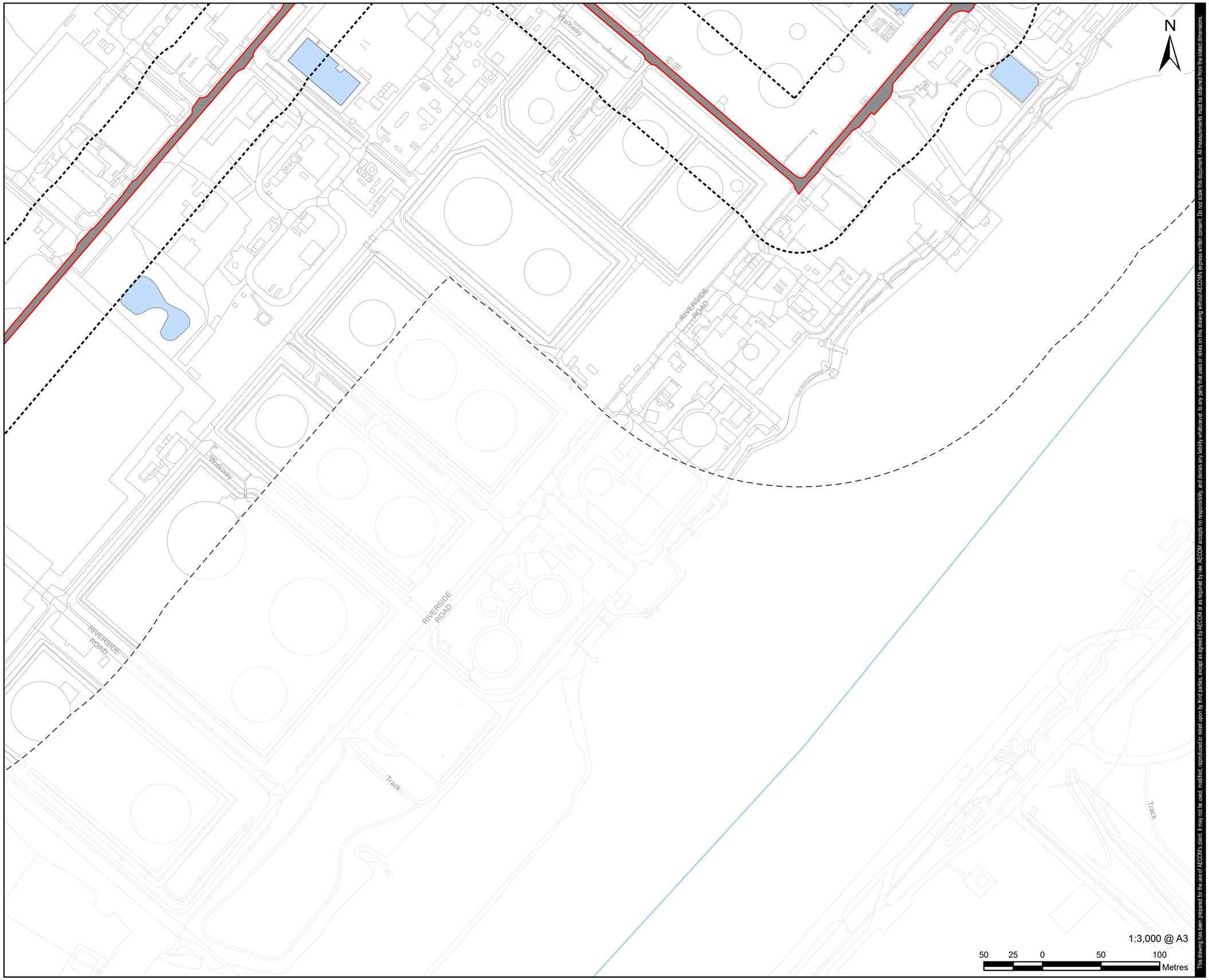
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 26 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\lfs\EMEA\Bristol-UKBRI2\Legacy\UKBRI2FP0010\VOL 1\BE\Projects\Environmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside ESH2Teesside_ES_Ecology\PEA.aprx



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AECOM

PROJECT

H2Teesside DCO

APPLICANT

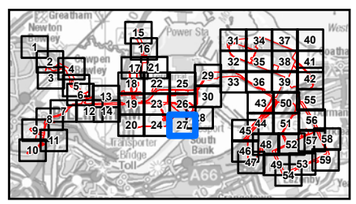
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- SI B2.2 - Neutral grassland - semi-improved
- Hardstanding
- Waterbody
- Waterbody area



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Environmental Statement

PROJECT NUMBER

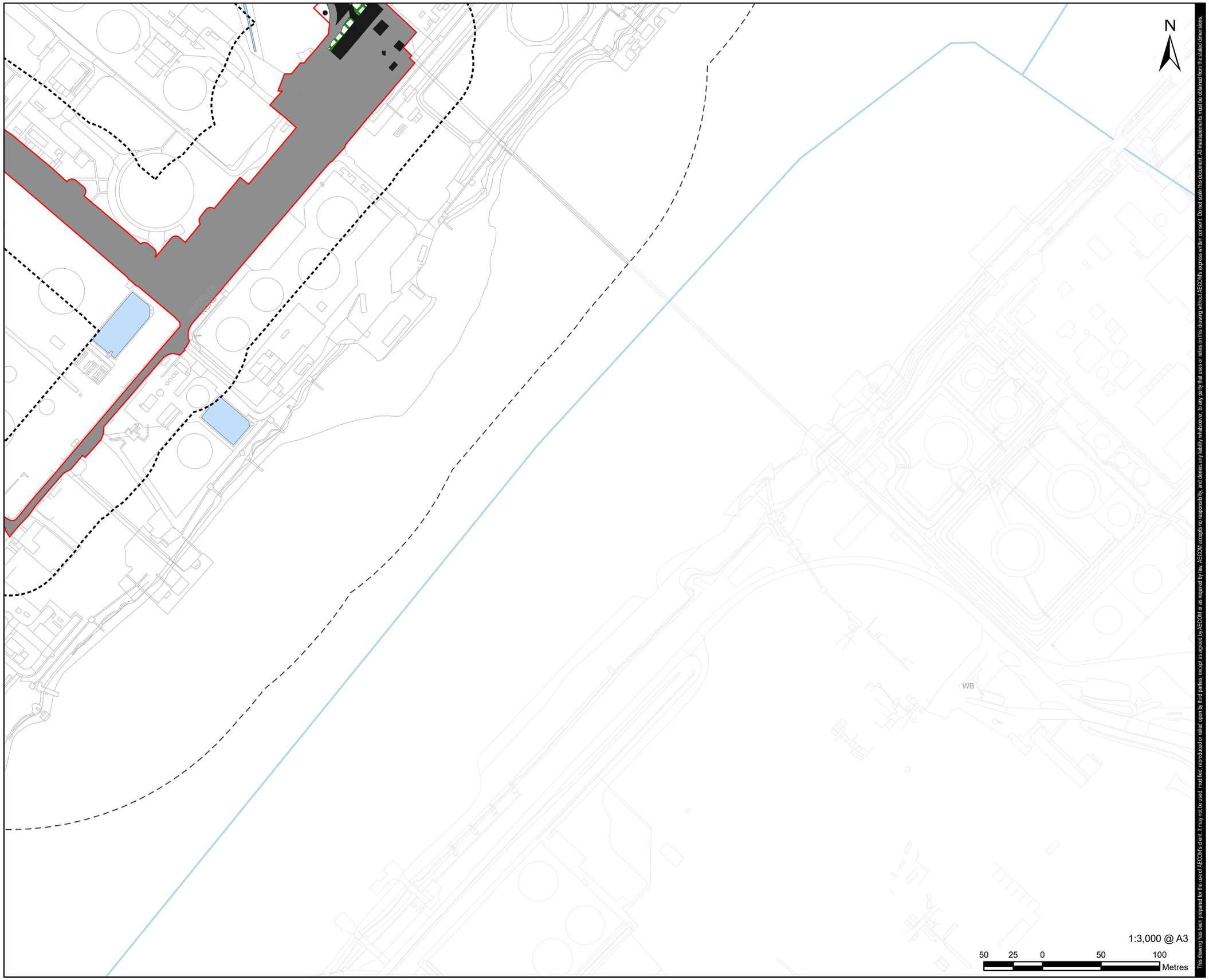
60689030

FIGURE TITLE

The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 27 of 59)



Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

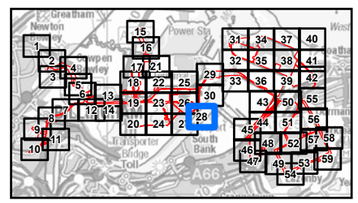
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.1 - Scrub - dense/continuous
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

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PROJECT NUMBER

60689030

FIGURE TITLE

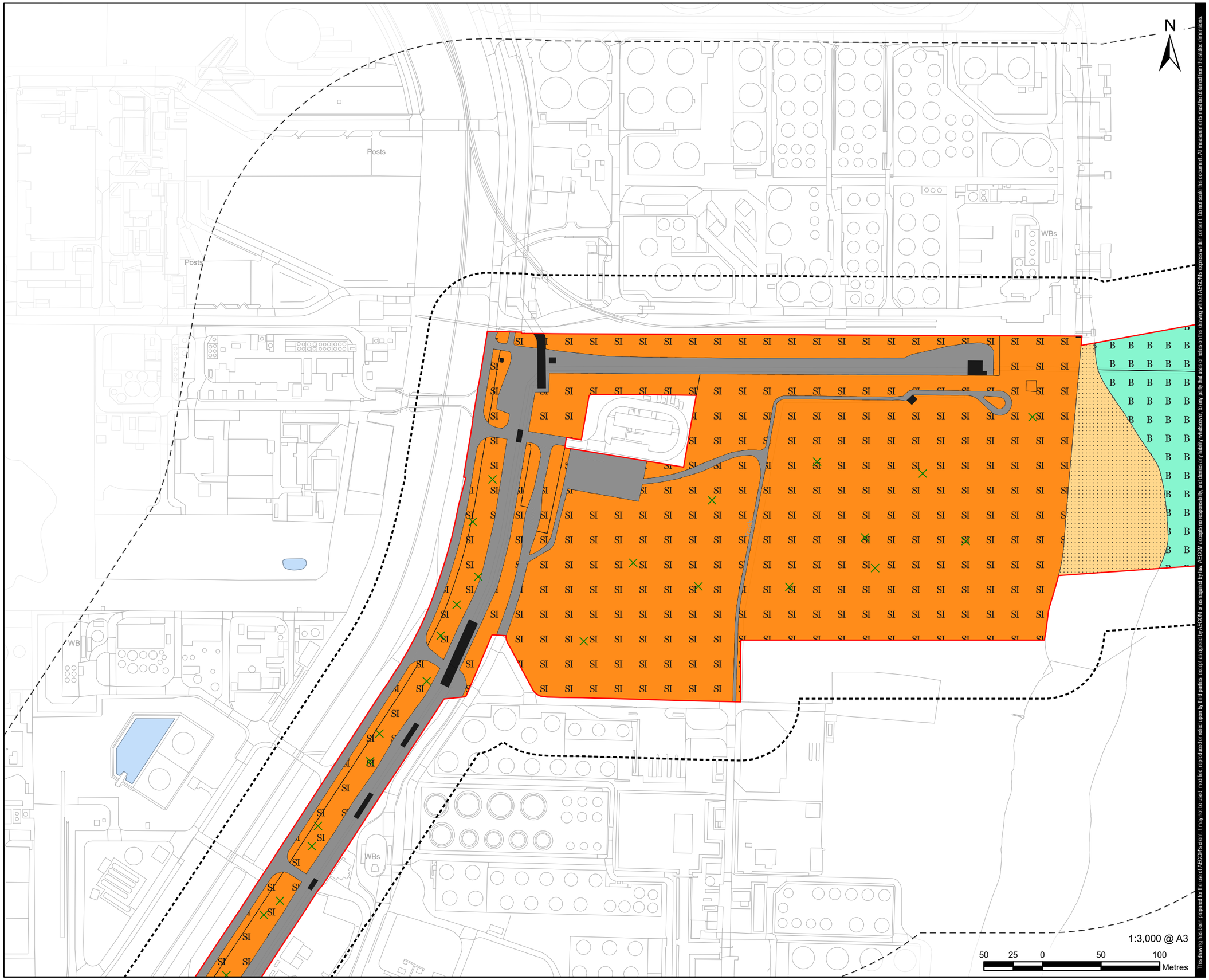
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 28 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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APPLICANT

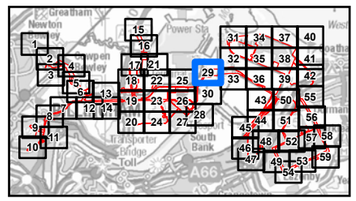
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.2 - Scrub - scattered
- SI B2.2 - Neutral grassland - semi-improved
- B G2.6 - Running water - brackish
- H1.1 - Intertidal - mud/sand
- J3.6 - Buildings
- Hardstanding
- Waterbody area



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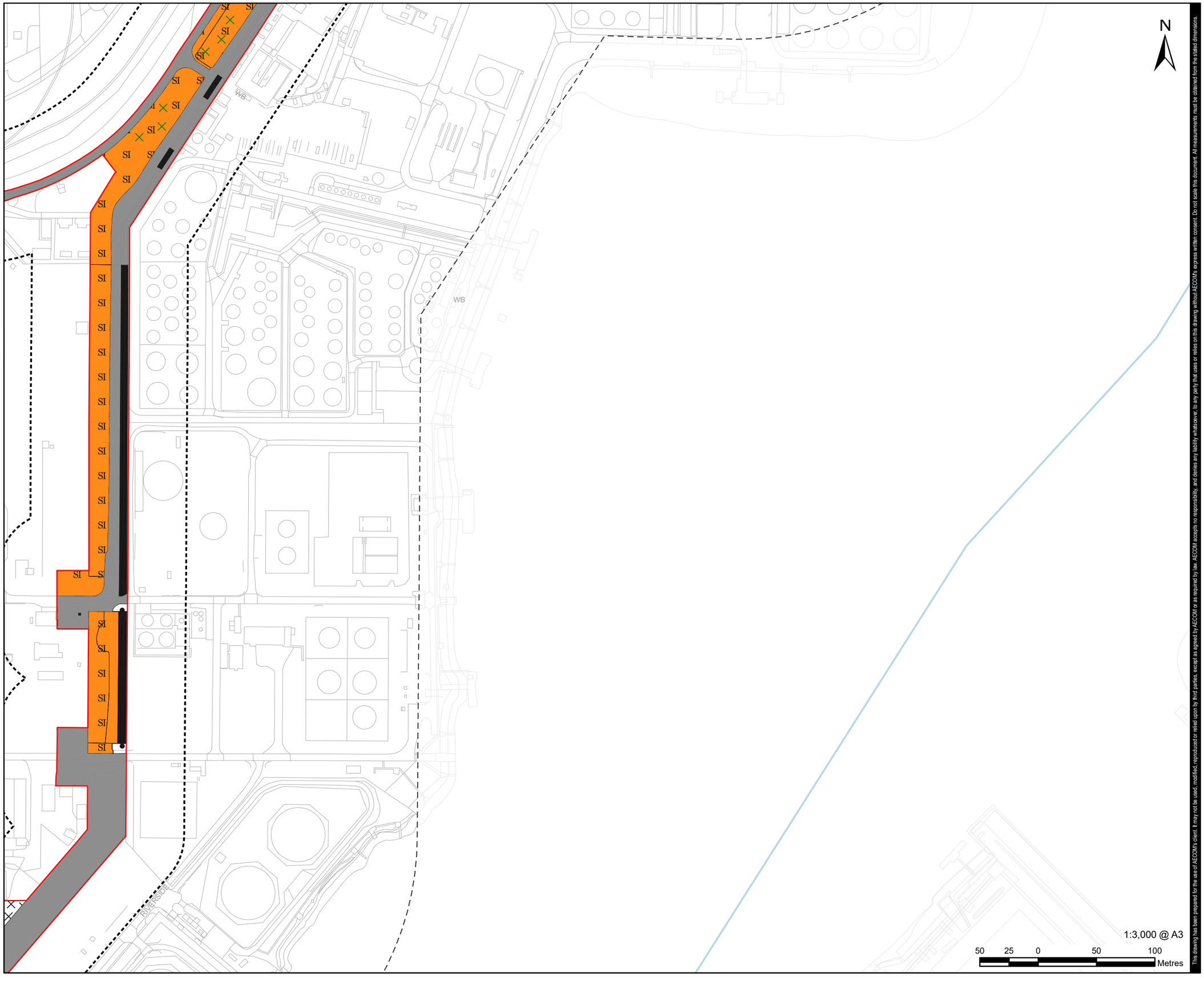
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 29 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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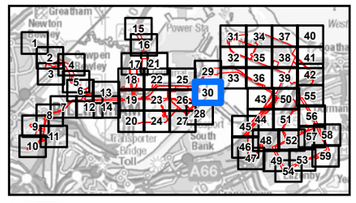
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.2 - Scrub - scattered
- B2.2 - Neutral grassland - semi-improved
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody



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PROJECT NUMBER

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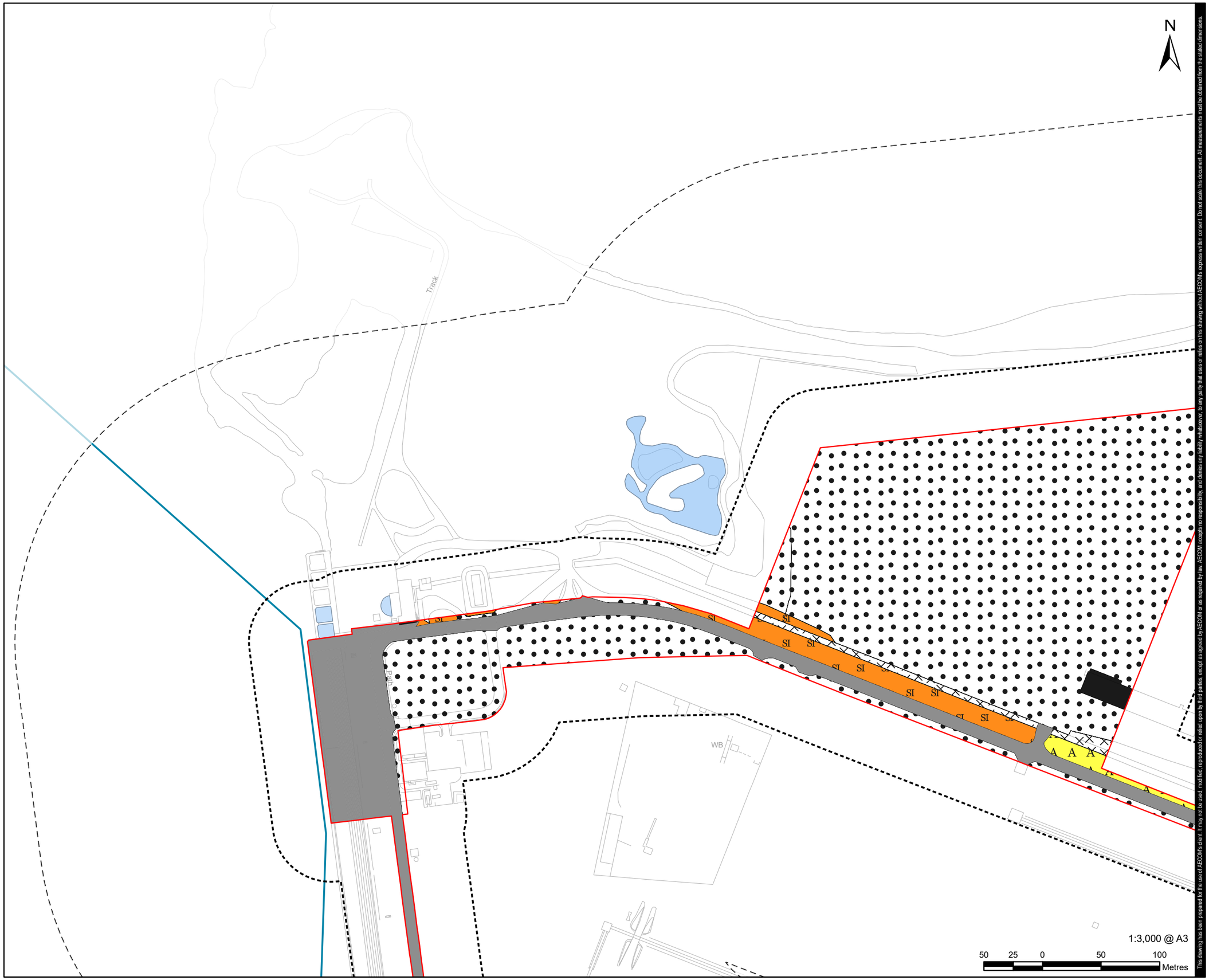
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 30 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\ifs\EMEA\Bristol-UKBRI2\Legacy\UKBRI2FP0001VOL1\EIProjects\EnvironmentalGeneralGIS\Projects\H2 Teesside\02_Maps\H2Teesside ESH\H2Teesside_ES_Ecology\PEA.aprx



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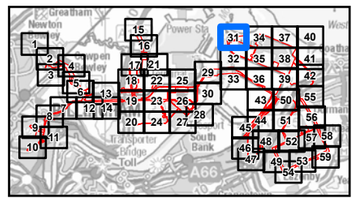
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- SI — B2.2 - Neutral grassland - semi-improved
- G1 - Standing water
- B — G2.6 - Running water - brackish
- A — J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

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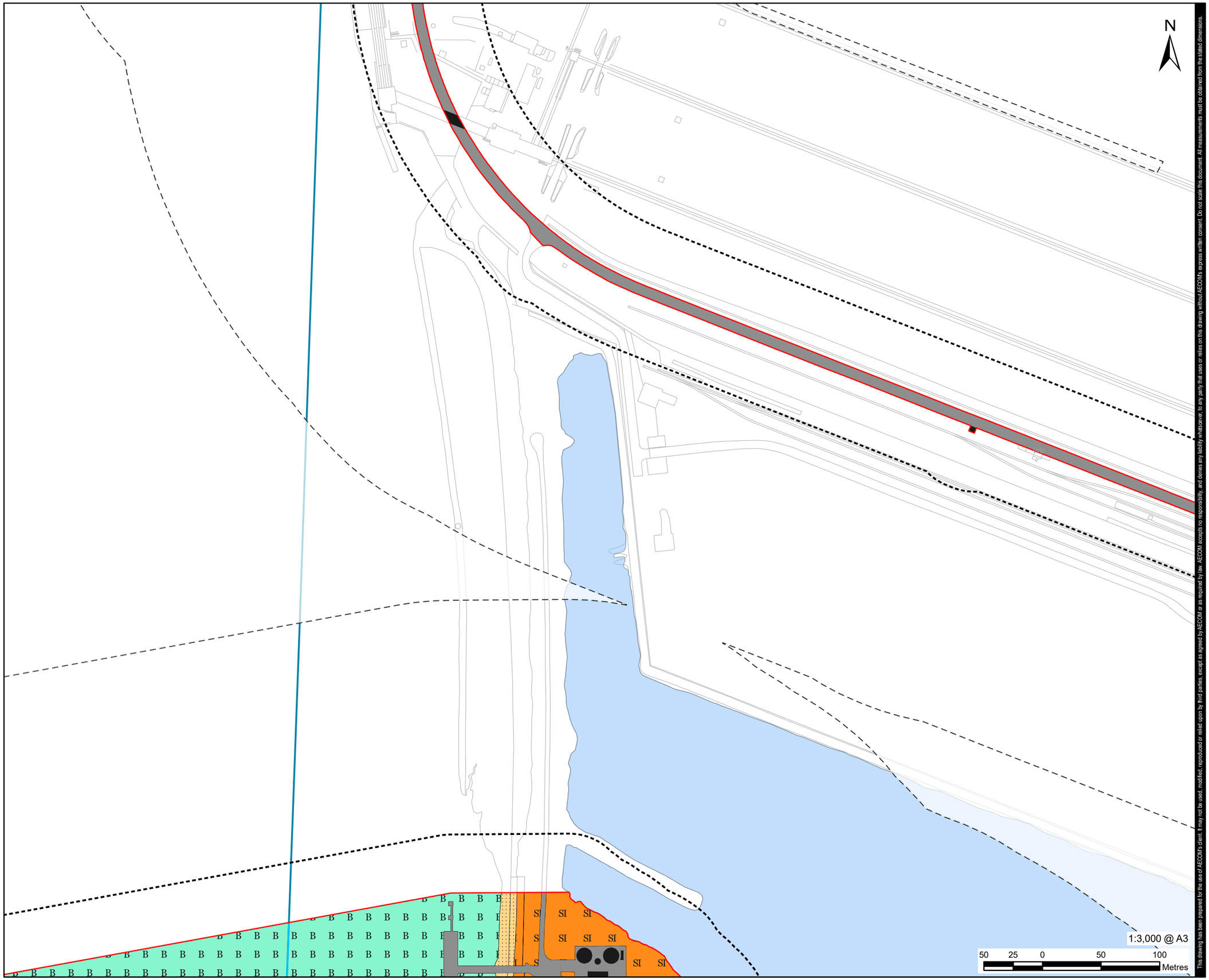
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 31 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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APPLICANT

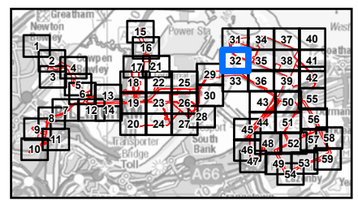
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Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- G2 - Running water
- SI B2.2 - Neutral grassland - semi-improved
- B G2.6 - Running water - brackish
- H1.1 - Intertidal - mud/sand
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

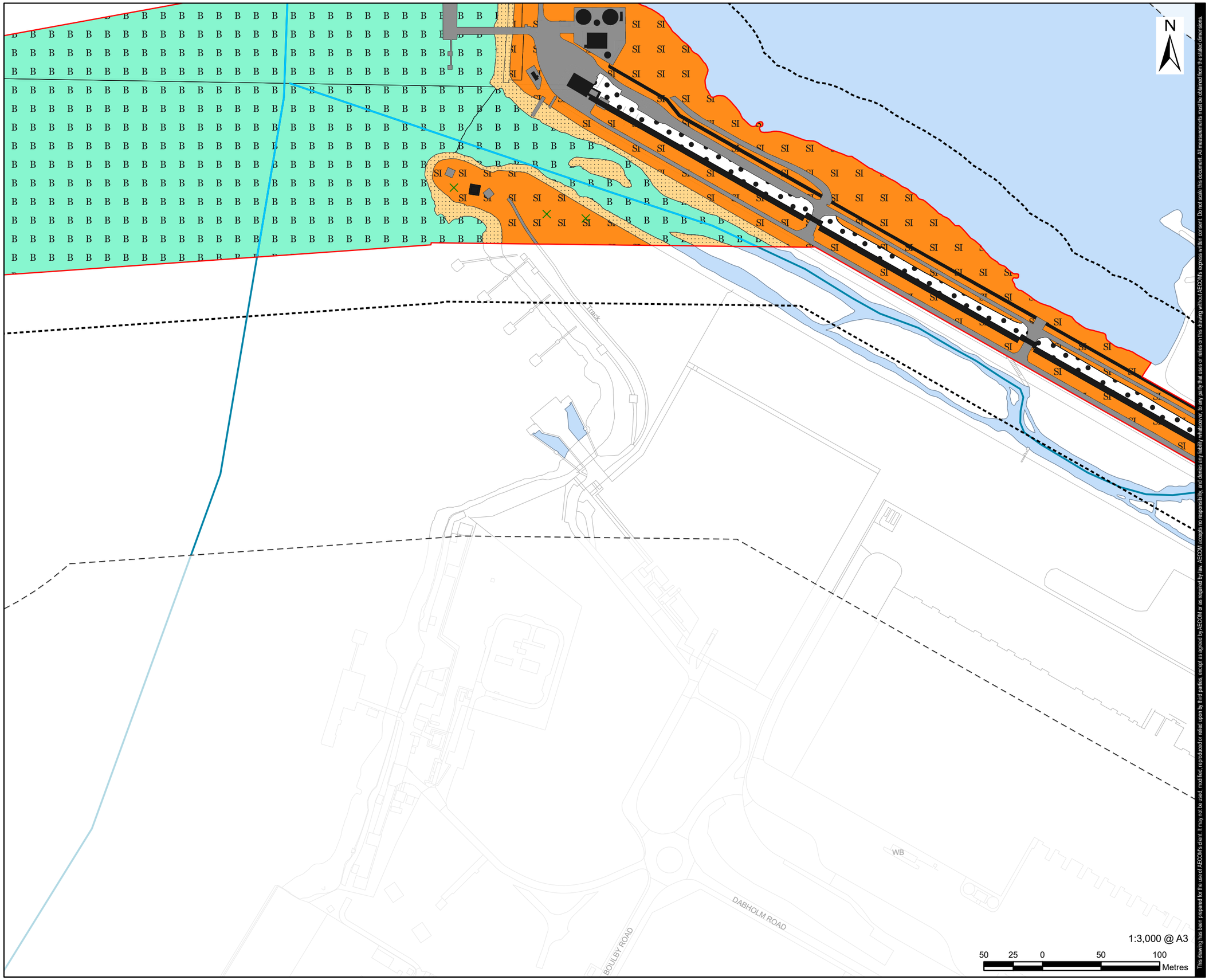
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 32 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

H2Teesside DCO

APPLICANT

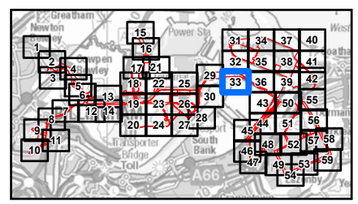
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.2 - Scrub - scattered
- G2 - Running water
- SI B2.2 - Neutral grassland - semi-improved
- B G2.6 - Running water - brackish
- H1.1 - Intertidal - mud/sand
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

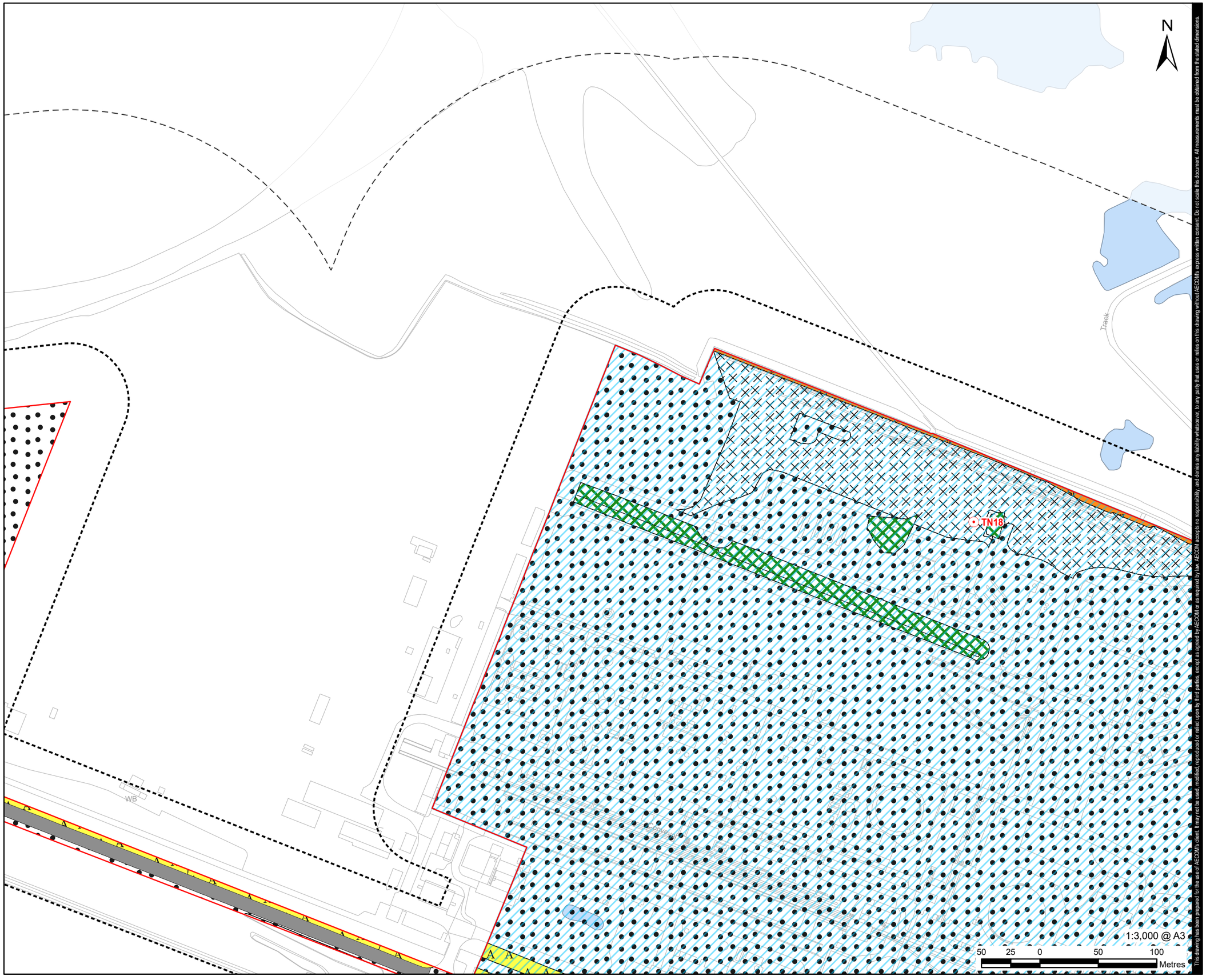
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 33 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

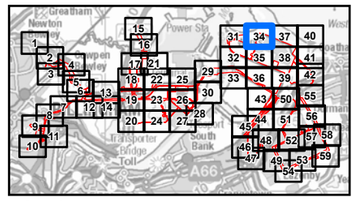
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Main site
- Target note
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J4 - Bare ground
- Hardstanding
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

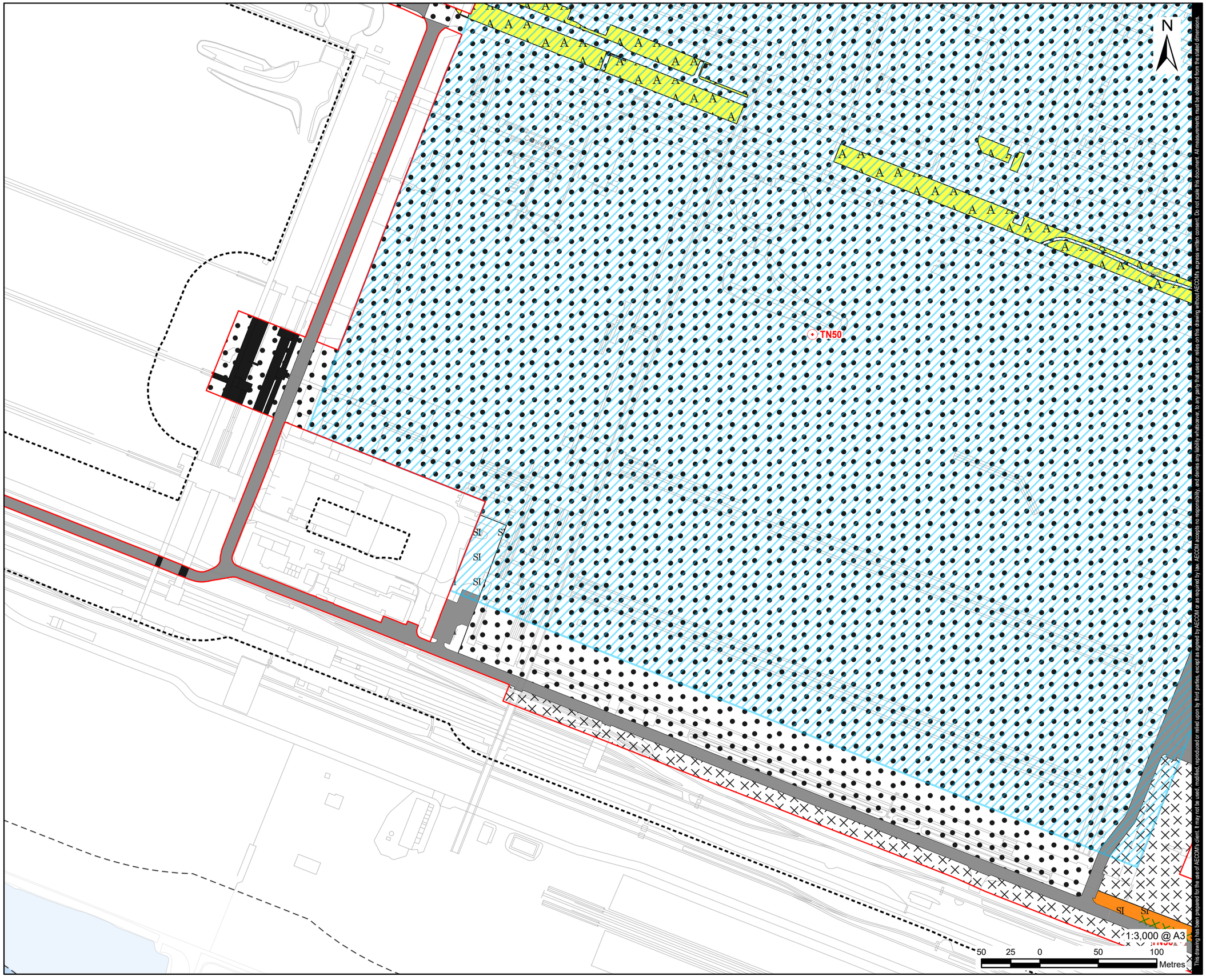
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 34 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

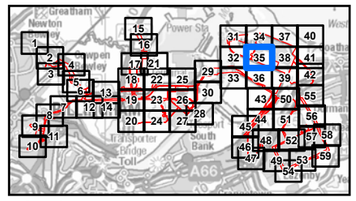
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Main site
- Target note
- A2.2 - Scrub - scattered
- B2.2 - Neutral grassland - semi-improved
- B6 - Poor semi-improved grassland
- J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

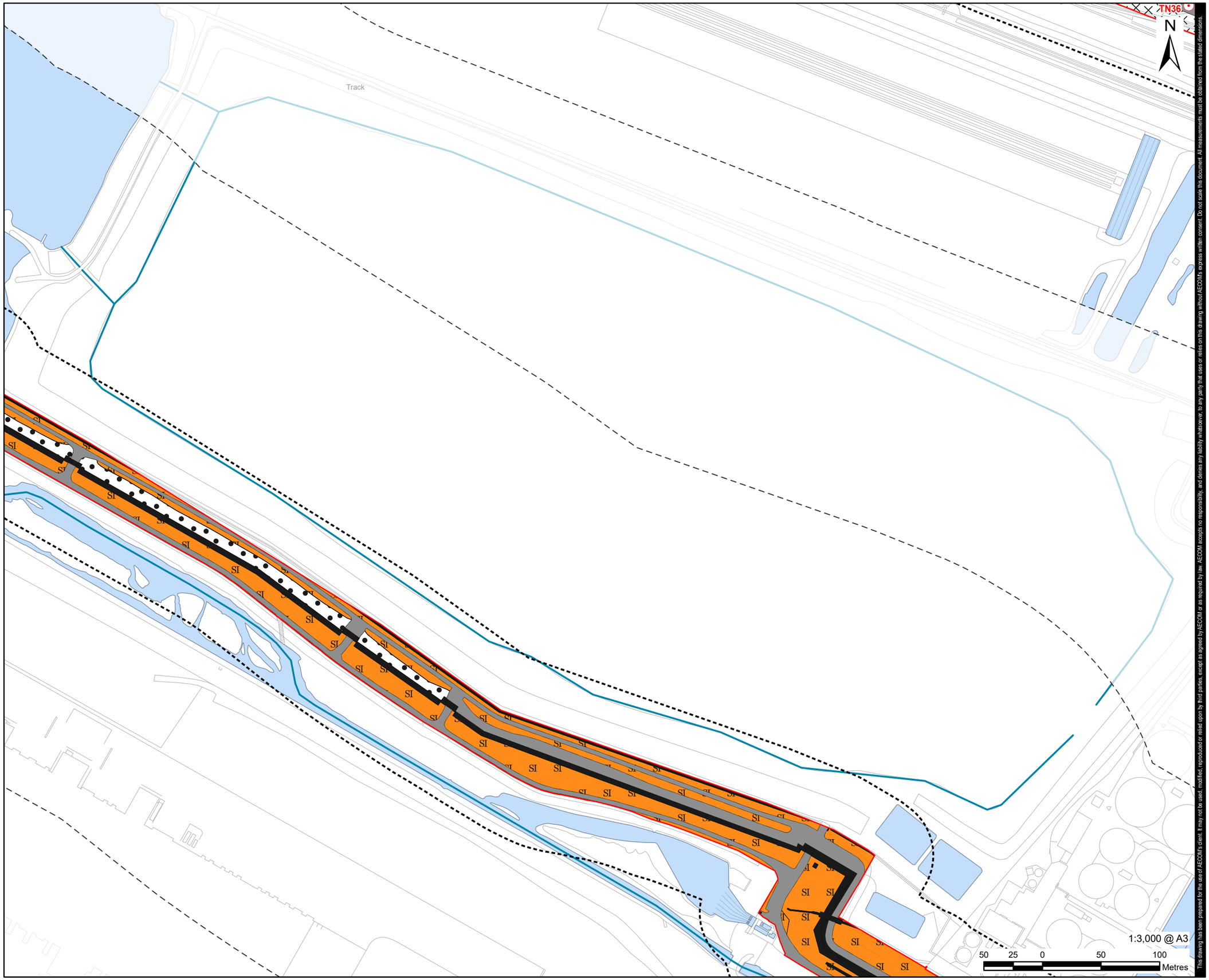
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 35 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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H2Teesside DCO

APPLICANT

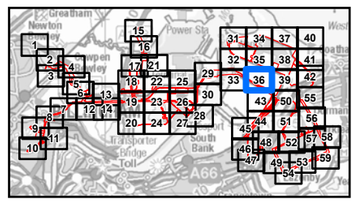
H2 Teesside Limited

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Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- A2.2 - Scrub - scattered
- B2.2 - Neutral grassland - semi-improved
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
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- Waterbody area



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60689030

FIGURE TITLE

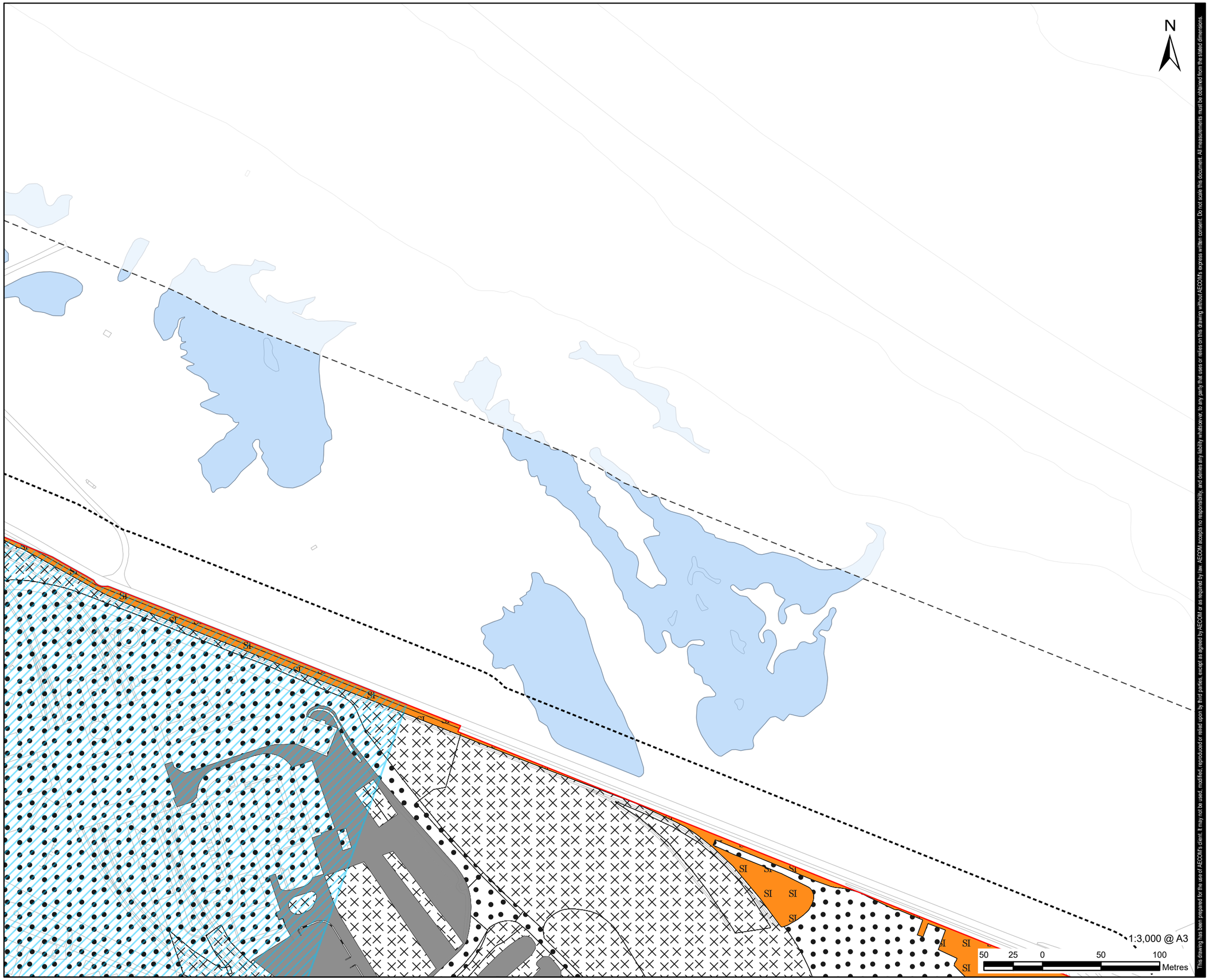
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 36 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\ifs\EMEA\Bristol-UKBRI2\Legacy\UKBRI2FP0011\VOL1BE\Projects\Environmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside ESI\H2Teesside_ES_Ecology\PEA.aprx



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H2Teesside DCO

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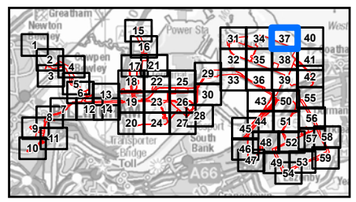
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Main site
- SI B2.2 - Neutral grassland - semi-improved
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J4 - Bare ground
- Hardstanding
- Waterbody area



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Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

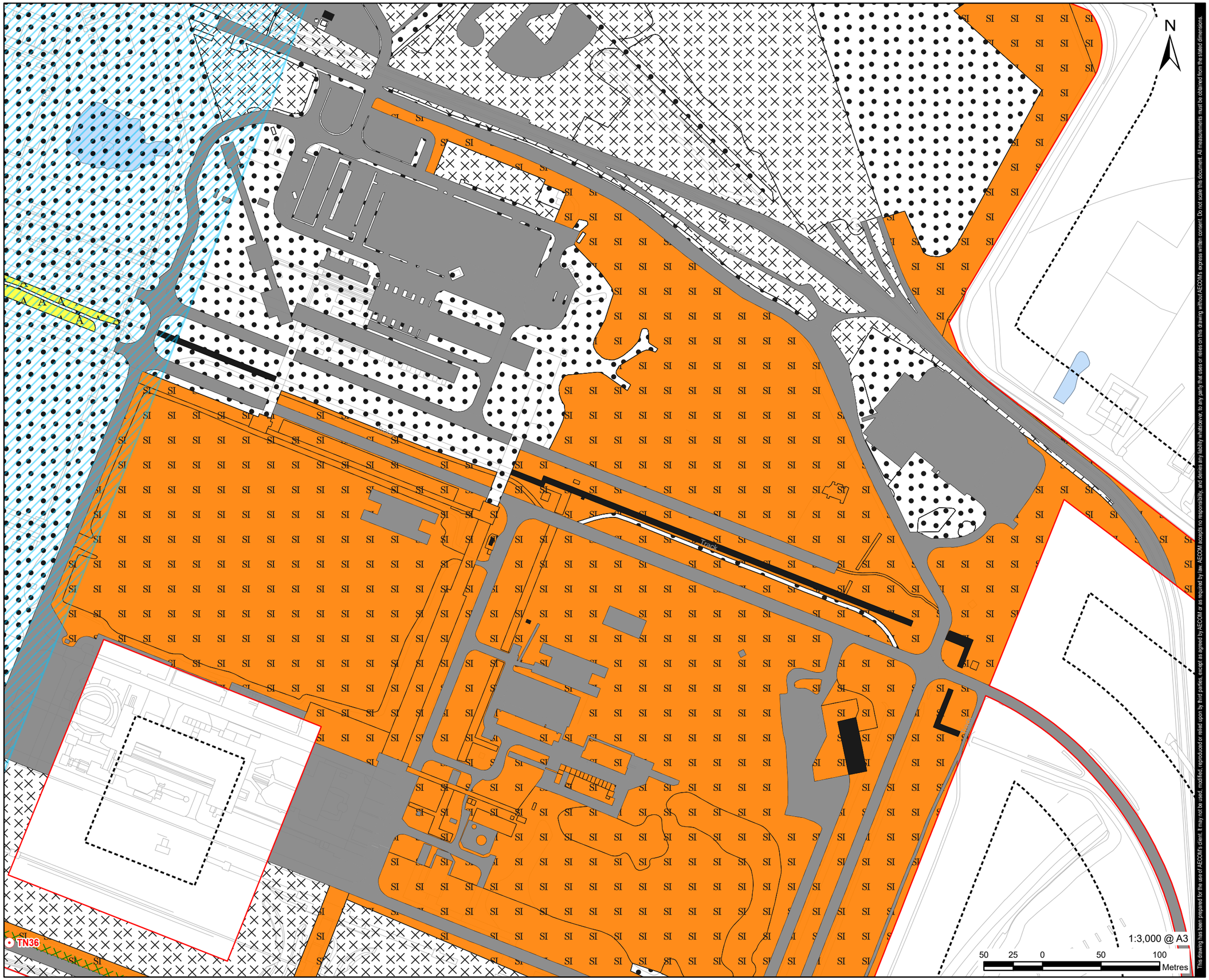
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 37 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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APPLICANT

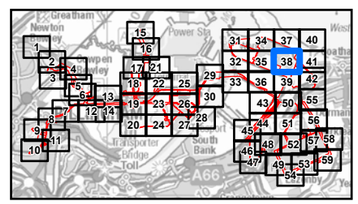
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Main site
- Target note
- A2.2 - Scrub - scattered
- SI B2.2 - Neutral grassland - semi-improved
- A J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody area



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Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 38 of 59)

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APPLICANT

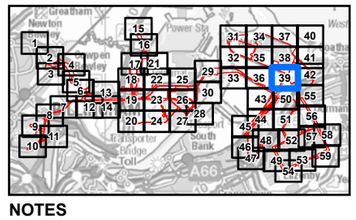
H2 Teesside Limited

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Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- A2.2 - Scrub - scattered
- A2.2 - Scrub - scattered
- G2 - Running water
- A1.1.2 - Broadleaved woodland - plantation
- A2.1 - Scrub - dense/continuous
- SI B2.2 - Neutral grassland - semi-improved
- F1 - Swamp
- G2 - Running water
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 39 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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N

1:3,000 @ A3

50 25 0 50 100 Metres

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

H2 Teesside Limited

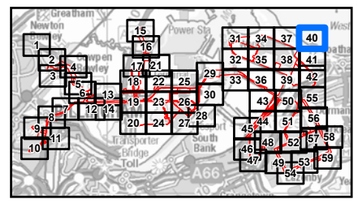
CONSULTANT

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LEGEND

Proposed development site - 250 m Buffer

Waterbody area



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Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

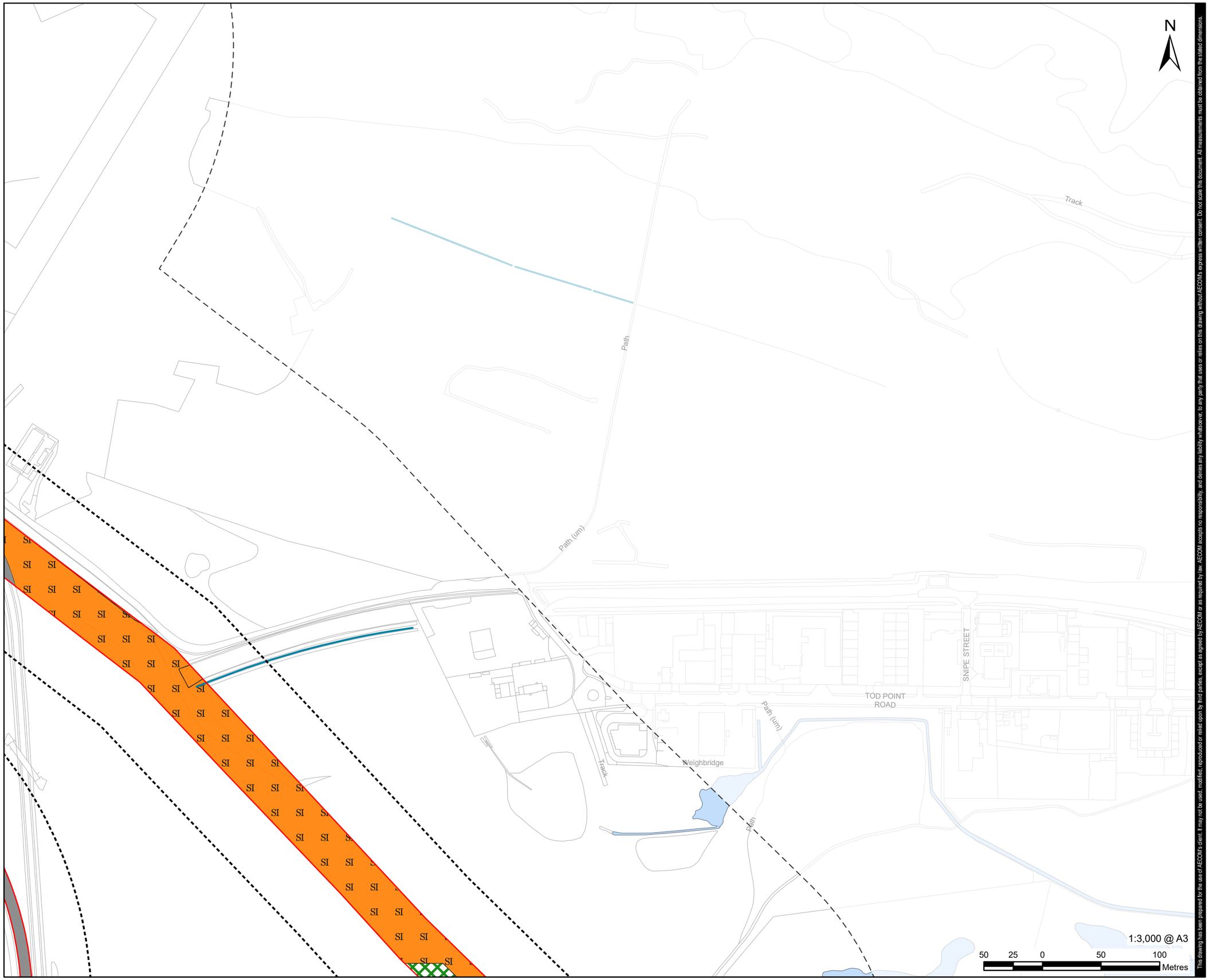
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 40 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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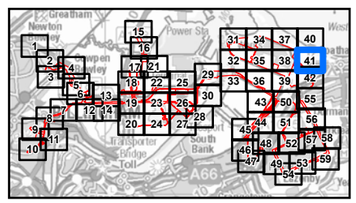
H2 Teesside Limited

CONSULTANT

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Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- Hardstanding
- Waterbody
- Waterbody area



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Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

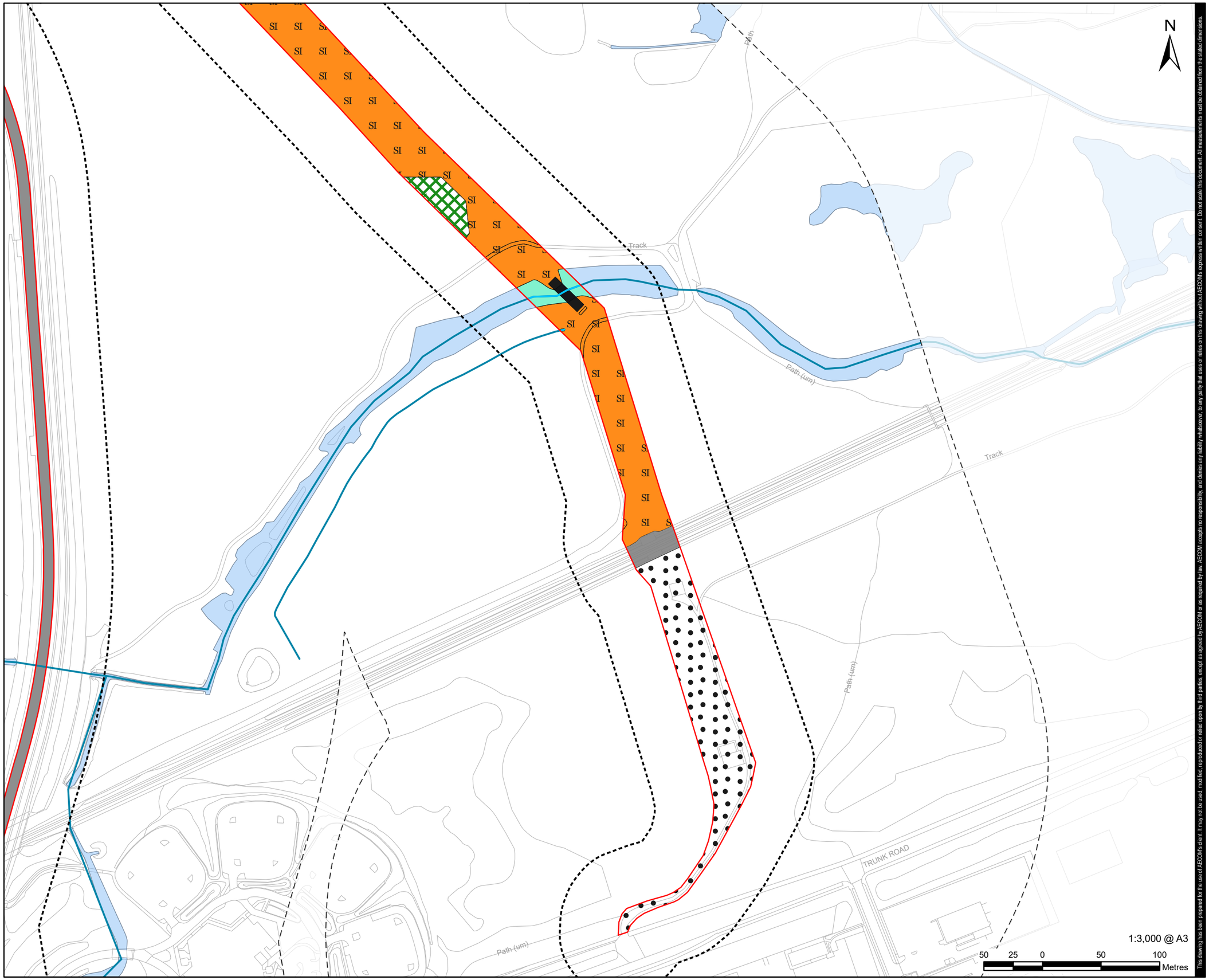
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 41 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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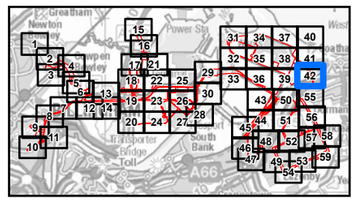
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.2 - Scrub - scattered
- G2 - Running water
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- G2 - Running water
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

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FIGURE TITLE

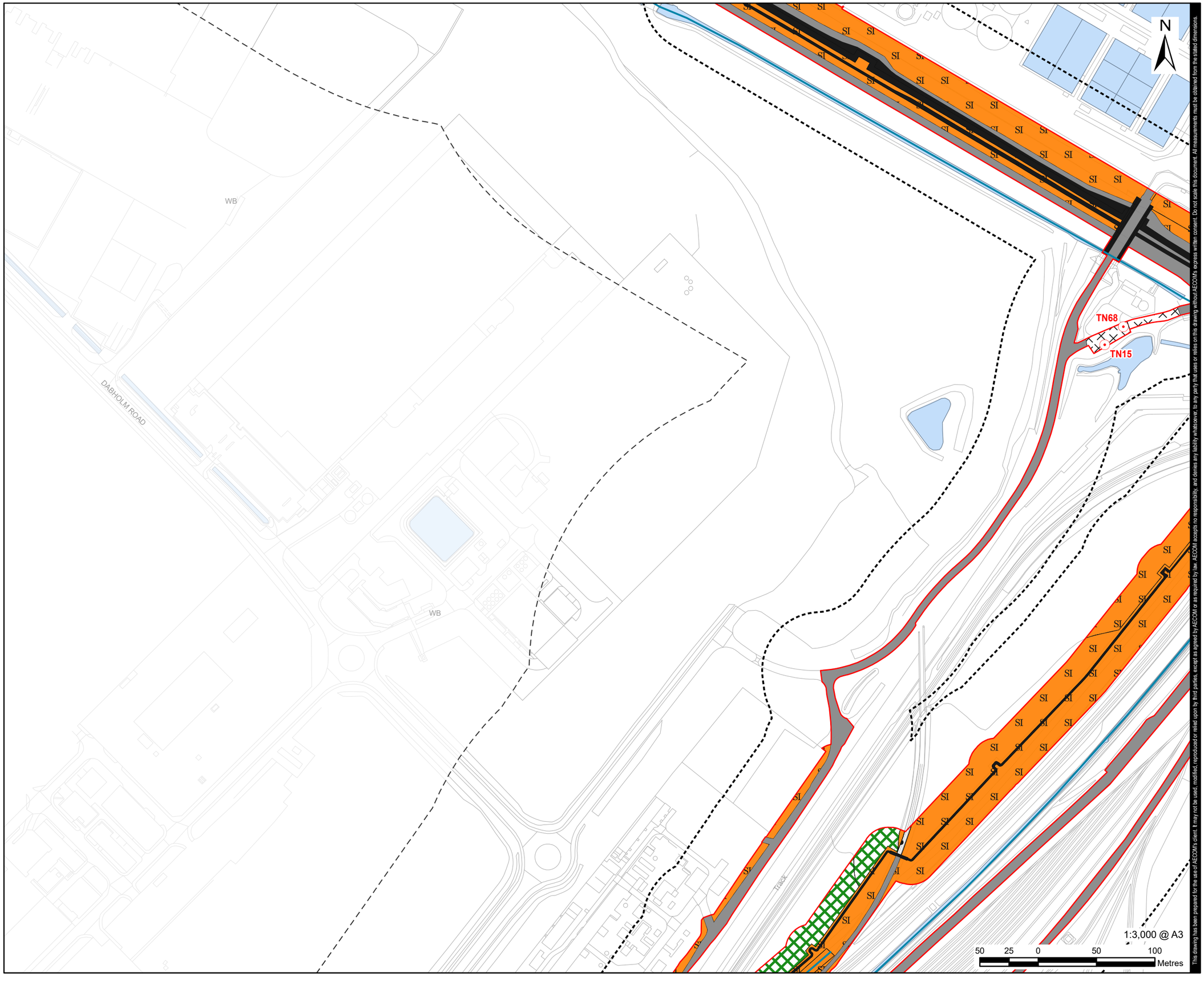
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 42 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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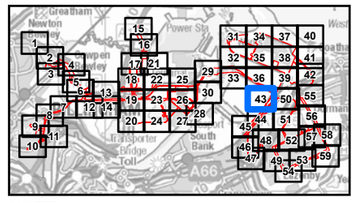
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- G2 - Running water
- A2.1 - Scrub - dense/continuous
- SI B2.2 - Neutral grassland - semi-improved
- F1 - Swamp
- B G2.6 - Running water - brackish
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

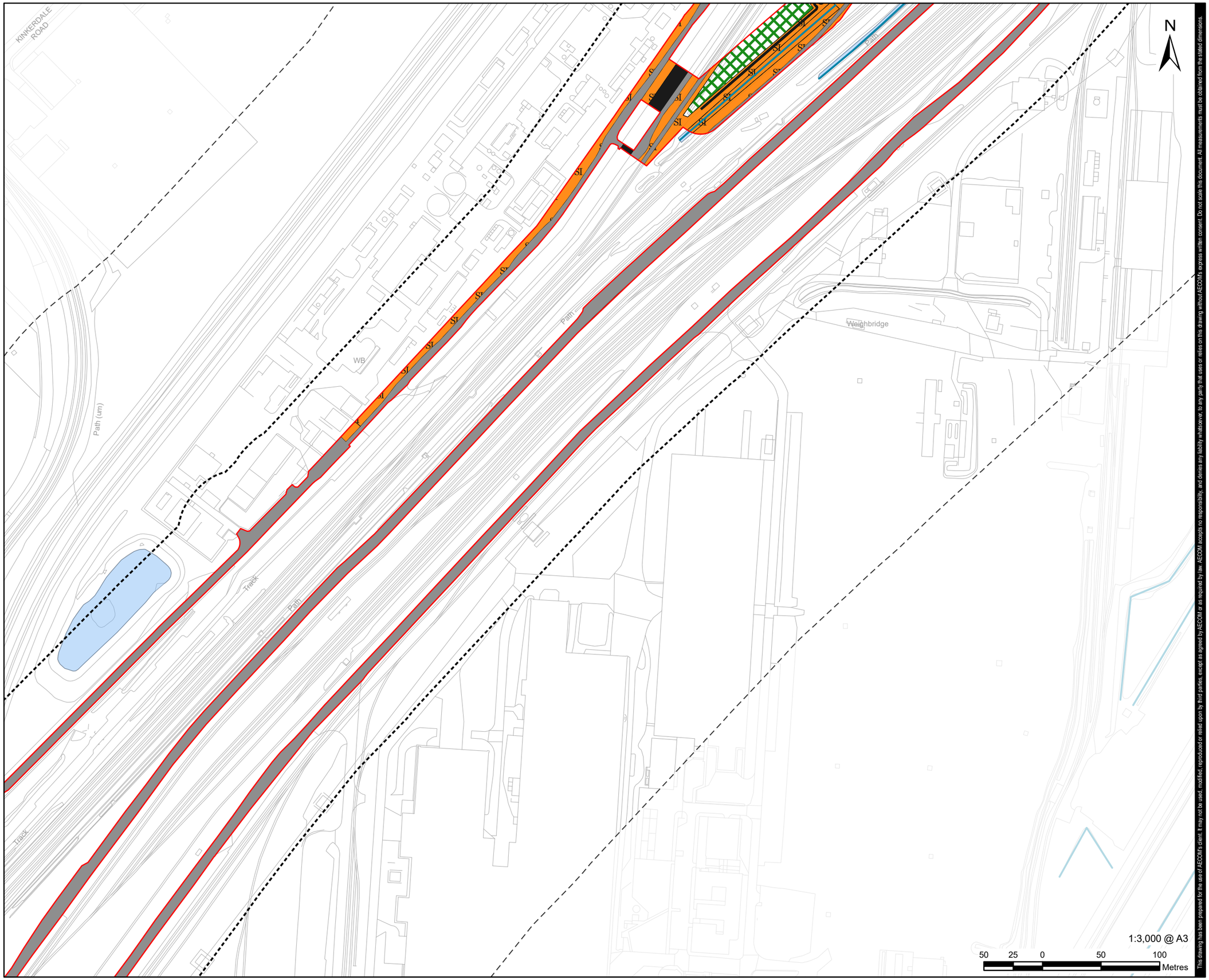
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 43 of 59)

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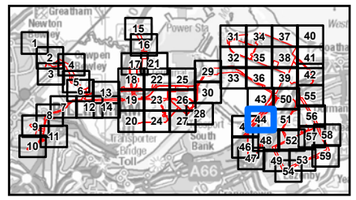
H2 Teesside Limited

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Cathedral Approach,
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www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- F1 - Swamp
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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FIGURE TITLE

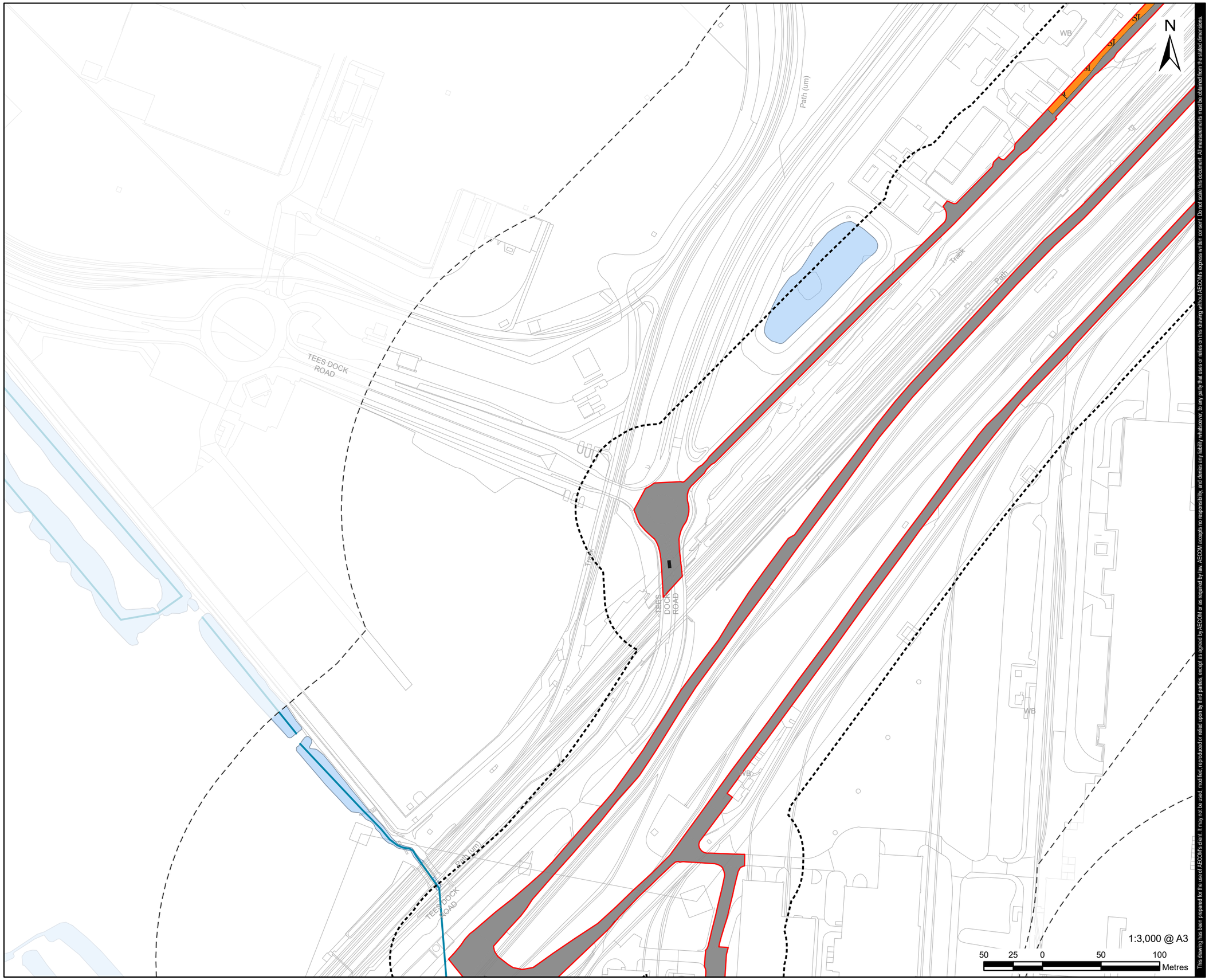
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 44 of 59)

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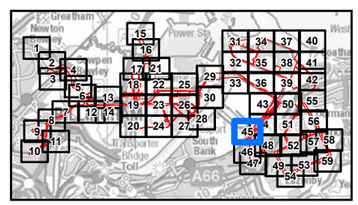
H2 Teesside Limited

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Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- F1 - Swamp
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

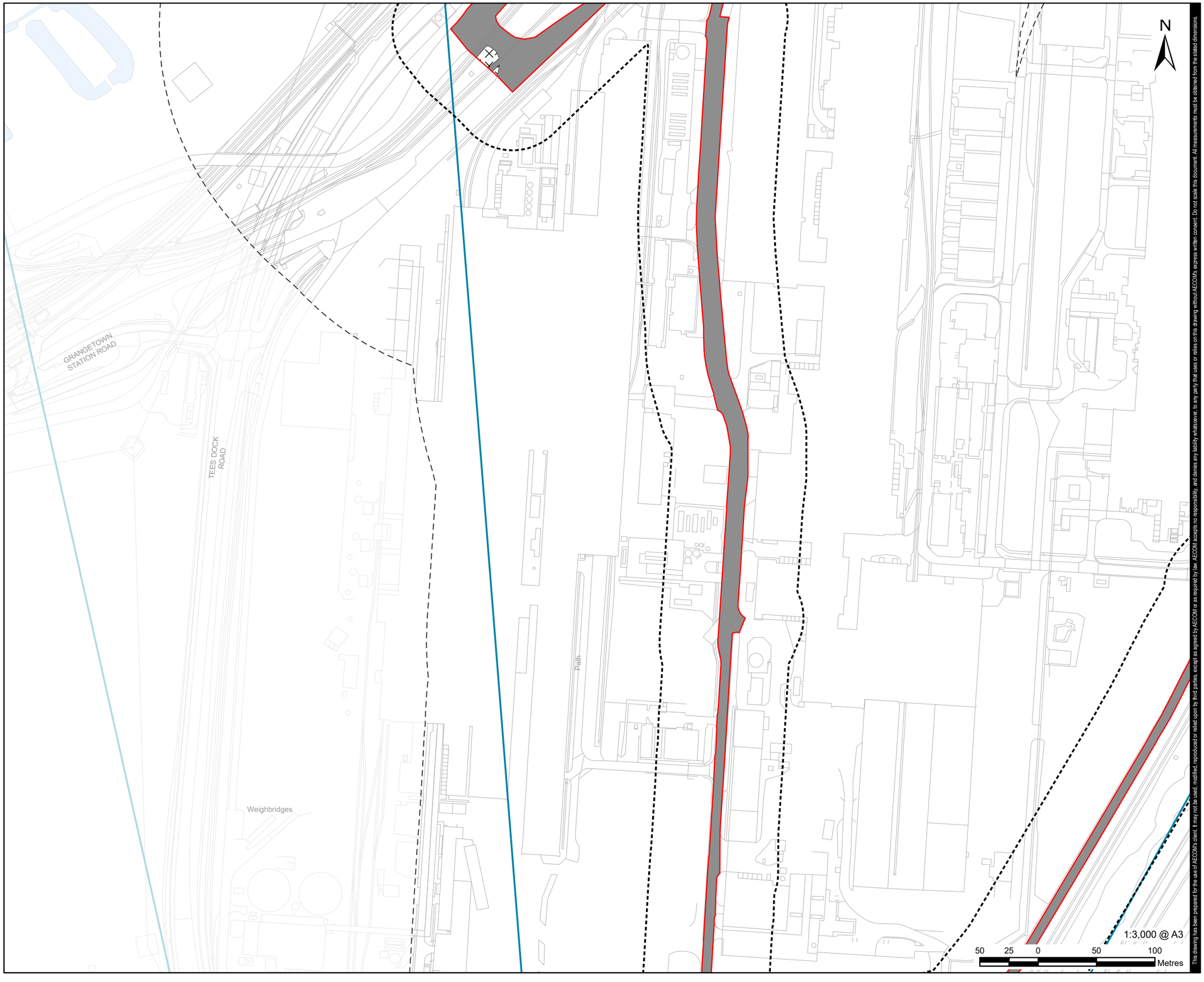
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 45 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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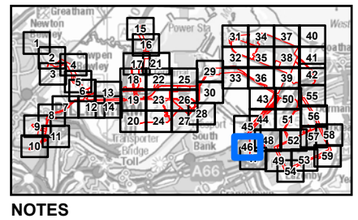
H2 Teesside Limited

CONSULTANT

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Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- B6 - Poor semi-improved grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

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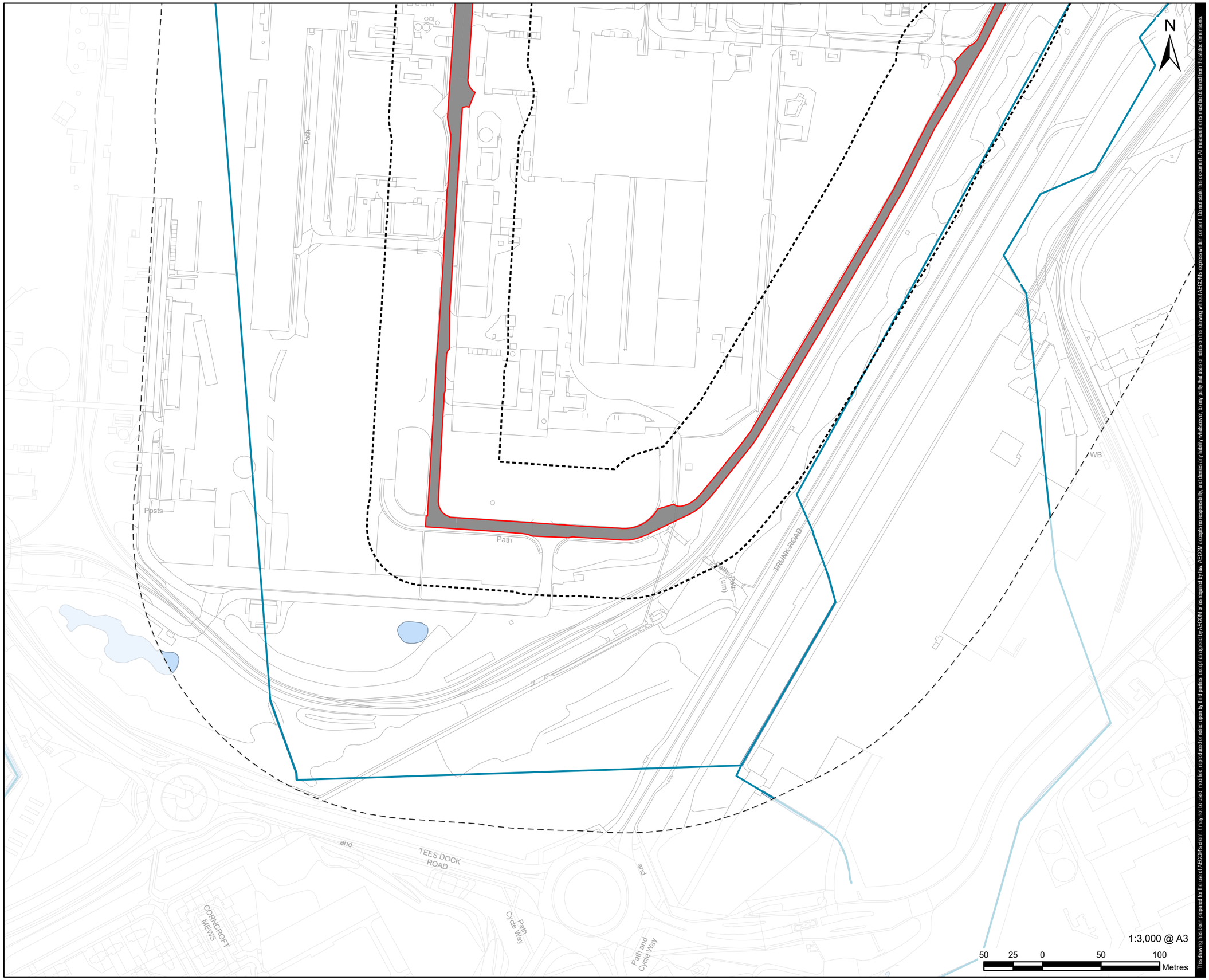
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 46 of 59)

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H2Teesside DCO

APPLICANT

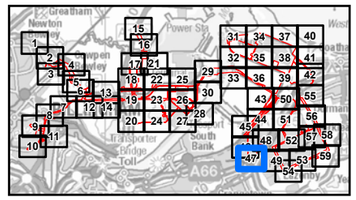
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.1 - Scrub - dense/continuous
- B6 - Poor semi-improved grassland
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



NOTES

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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

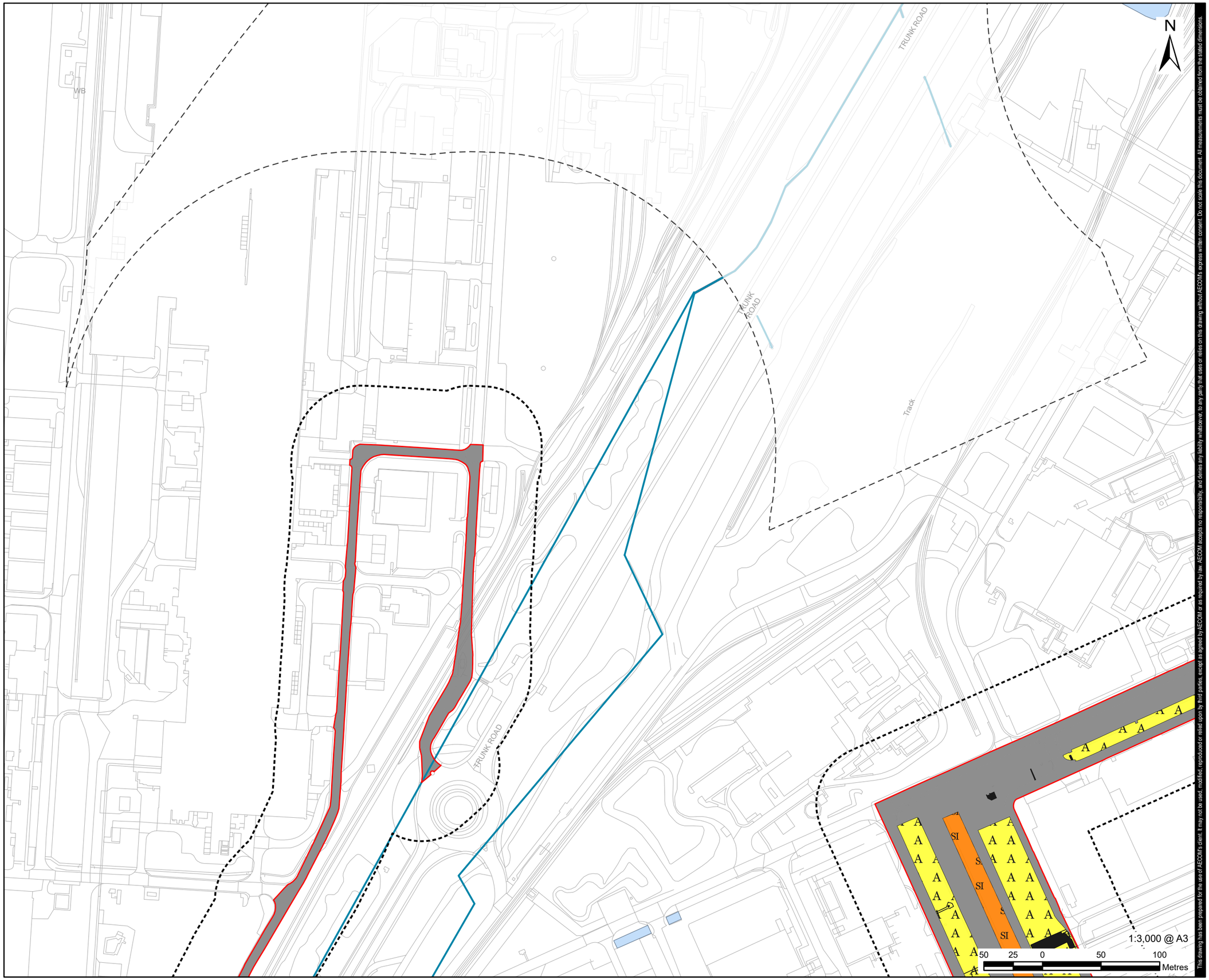
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 47 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\tls\EMEA\Bristol-UKBRI2\Legacy\UKBRI2FP001\VOL1BE\Projects\Environmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside ES\H2Teesside_ES_Ecology\PEA.aprx



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AECOM

PROJECT

H2Teesside DCO

APPLICANT

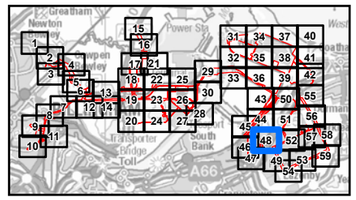
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- SI B2.2 - Neutral grassland - semi-improved
- SI B6 - Poor semi-improved grassland
- A J1.2 - Cultivated/disturbed land - amenity grassland
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

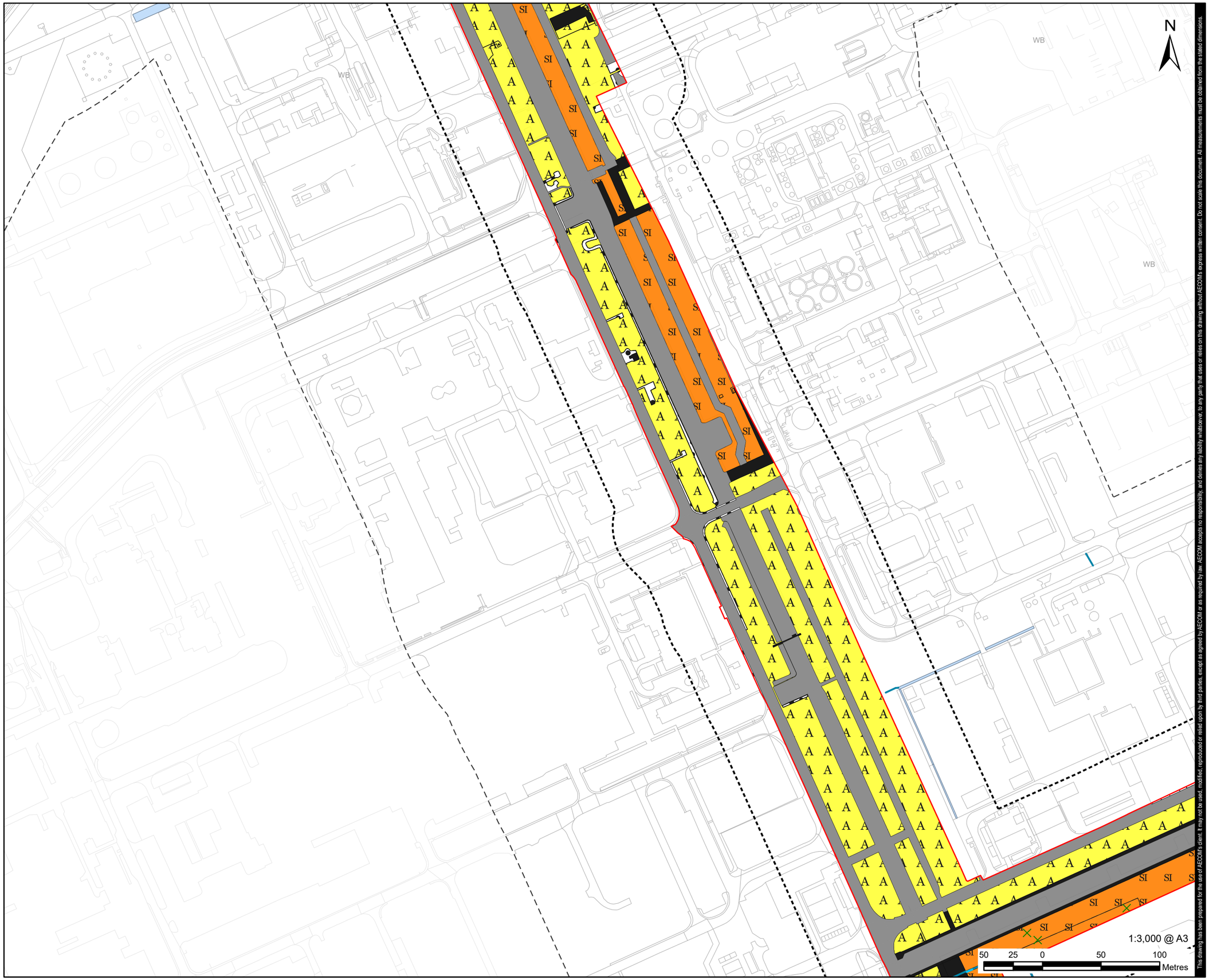
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 48 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

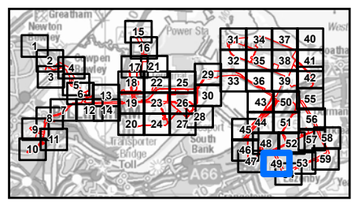
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.2 - Scrub - scattered
- J2.6 - Dry ditch
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- B6 - Poor semi-improved grassland
- J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

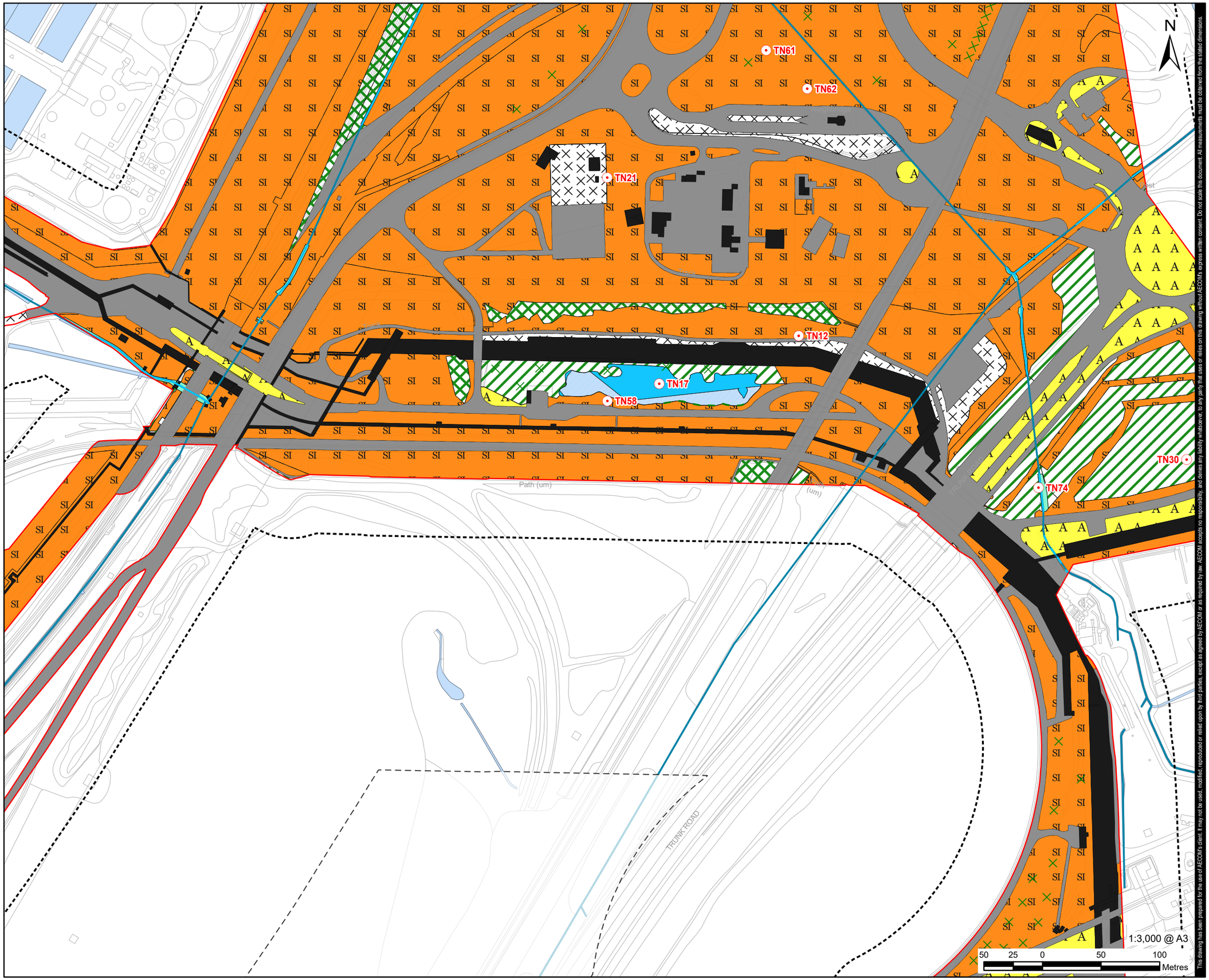
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 49 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\lfs\EMEA\Bristol-UKBRI\2FP001\VOL1\BE\Projects\Environmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside ESH\H2Teesside_ES_Ecology\PEA.aprx



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AECOM

PROJECT

H2Teesside DCO

APPLICANT

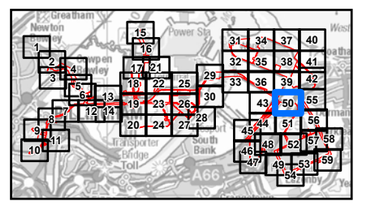
H2 Teesside Limited

CONSULTANT

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Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- A2.2 - Scrub - scattered
- A2.2 - Scrub - scattered
- G2 - Running water
- J2.2.2 - Defunct hedge - species-poor
- J2.6 - Dry ditch
- A1.1.2 - Broadleaved woodland - plantation
- A1.3.2 - Mixed woodland - plantation
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- F1 - Swamp
- F2.1 - Marginal and inundation - marginal vegetation
- G1 - Standing water
- G2 - Running water
- J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

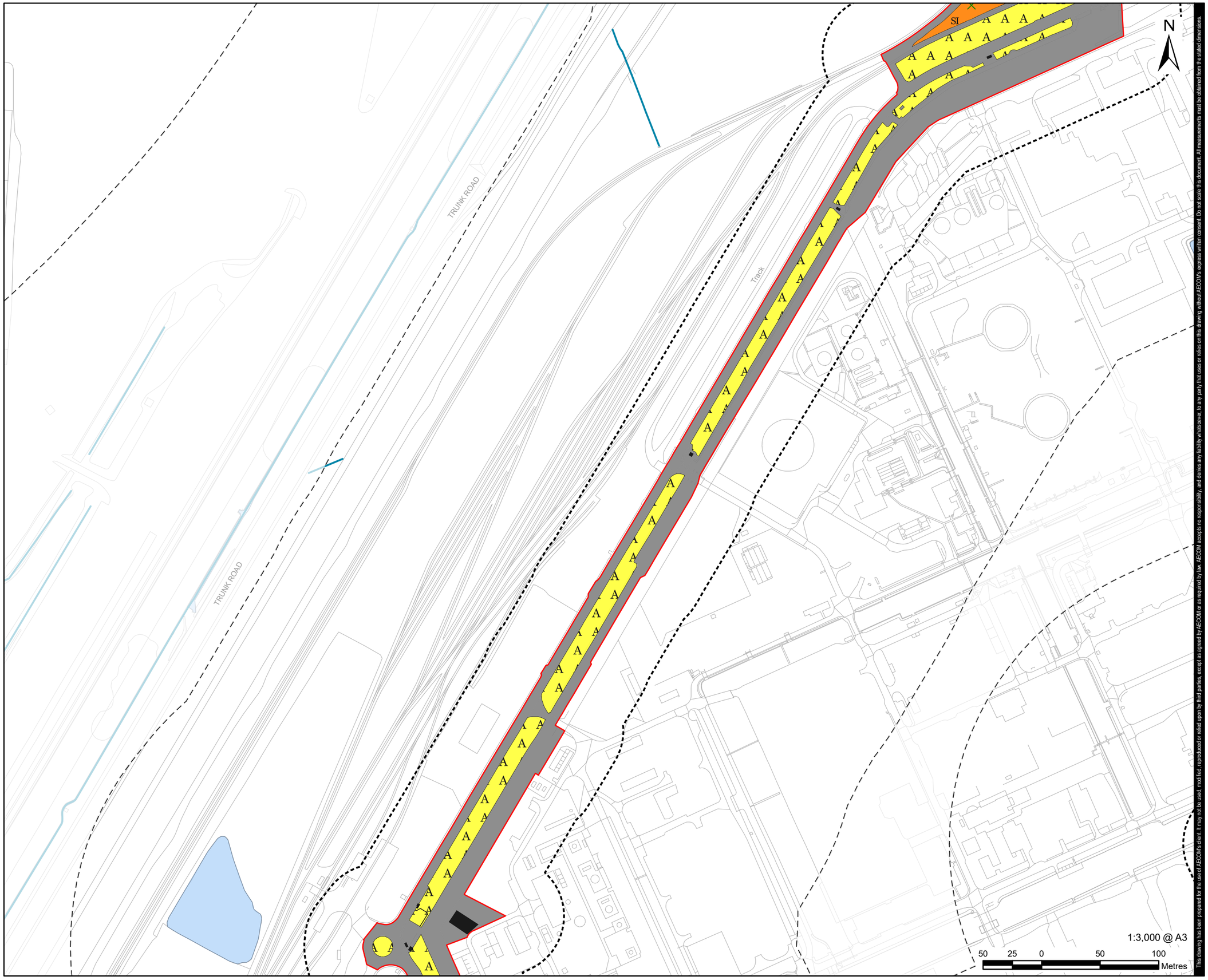
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 50 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\ifs\EMEA\Bristol-UKBR\2Legacy\UKBR\2FP0010\VOL 1\BE\Projects\Environmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside ES\H2Teesside_ES_Ecology\PEA.aprx



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PROJECT

H2Teesside DCO

APPLICANT

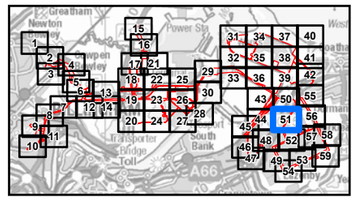
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.2 - Scrub - scattered
- SI — B2.2 - Neutral grassland - semi-improved
- A — J1.2 - Cultivated/disturbed land - amenity grassland
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

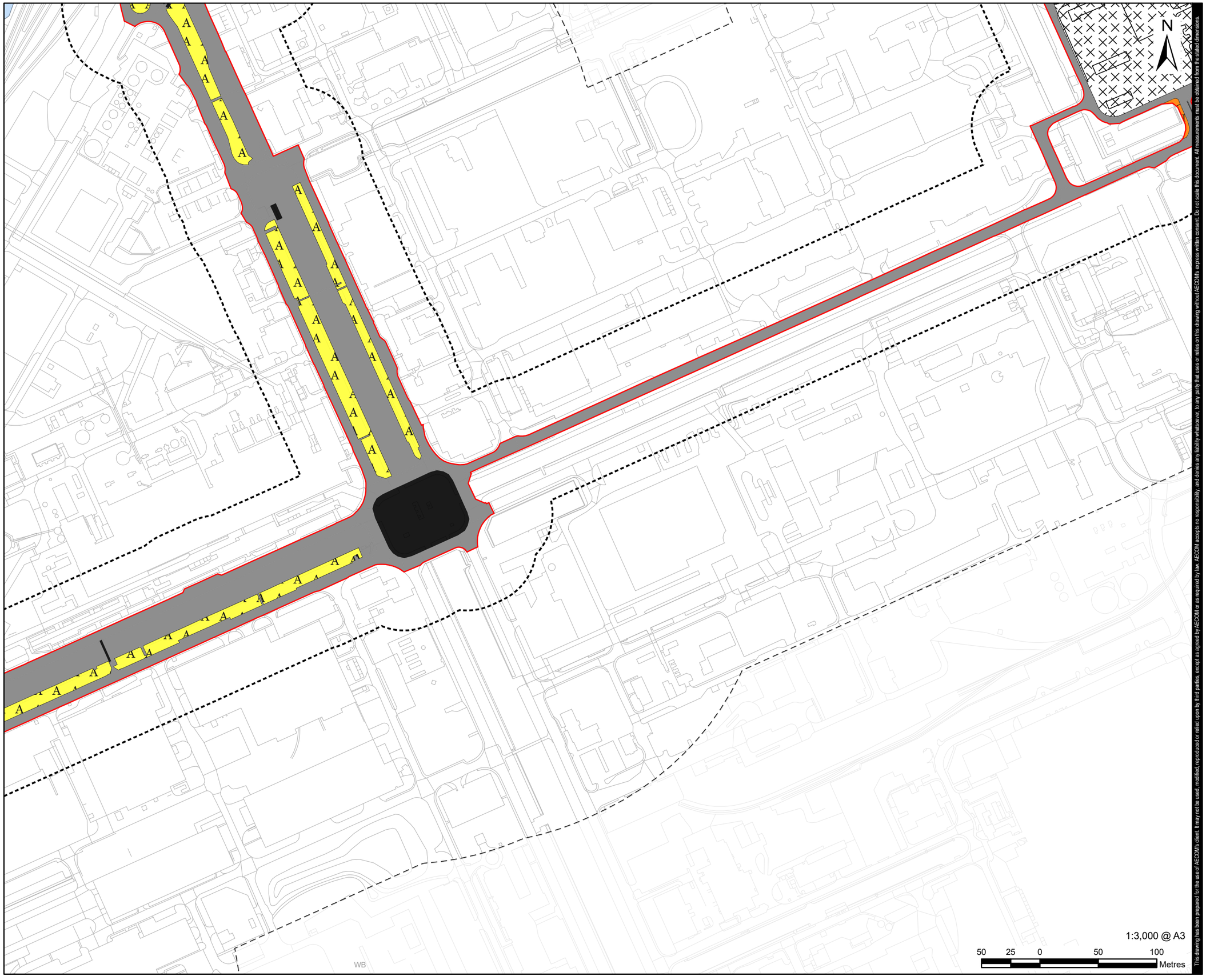
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 51 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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APPLICANT

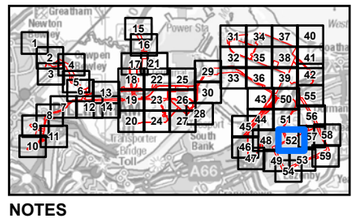
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- SI — B2.2 - Neutral grassland - semi-improved
- C3.1 - Other tall herb and fern - ruderal
- A — J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- Hardstanding
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

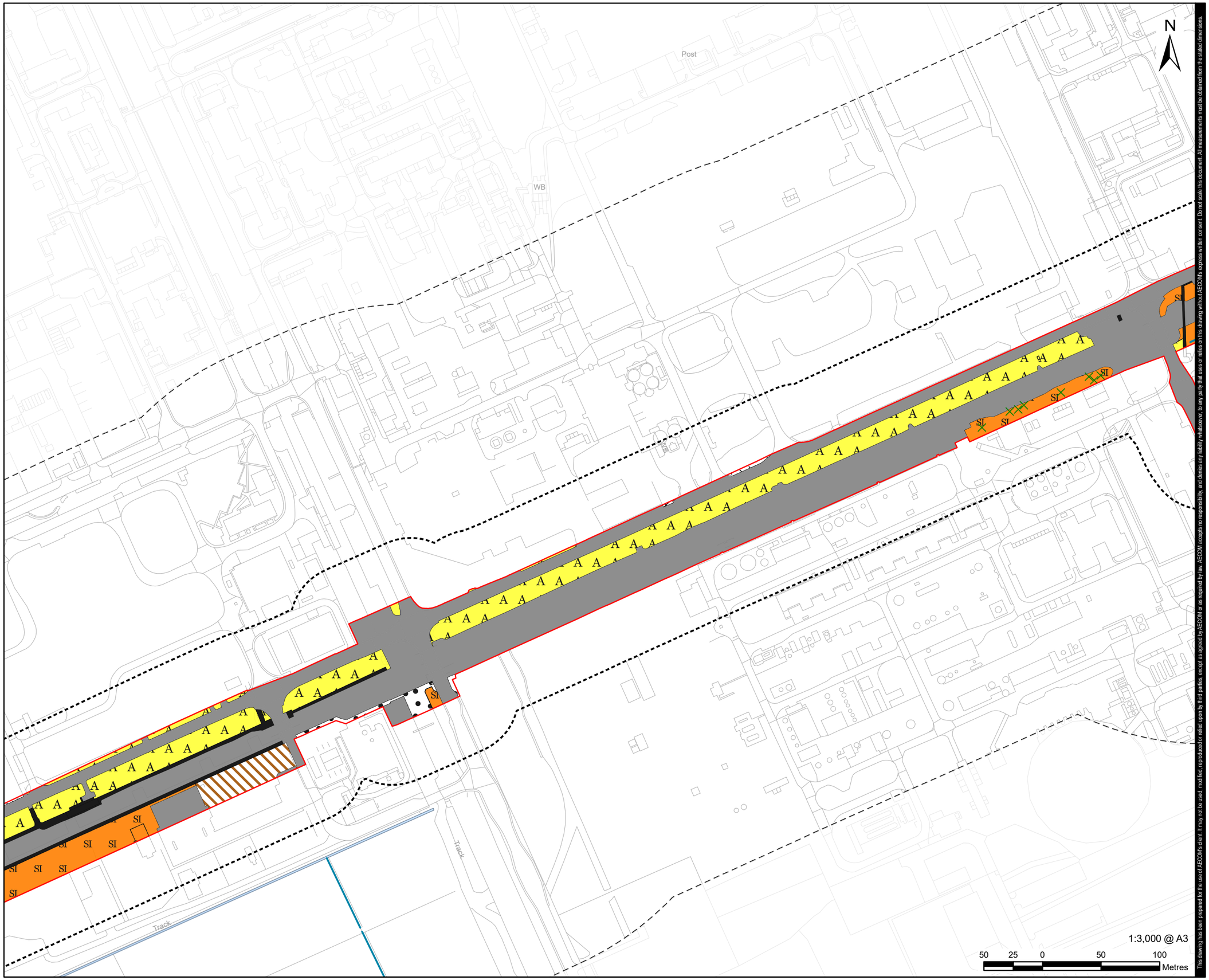
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 52 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

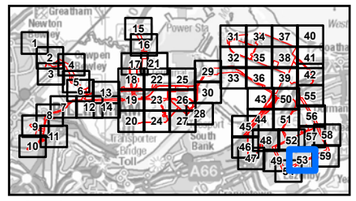
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.2 - Scrub - scattered
- B2.2 - Neutral grassland - semi-improved
- C3.1 - Other tall herb and fern - ruderal
- J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

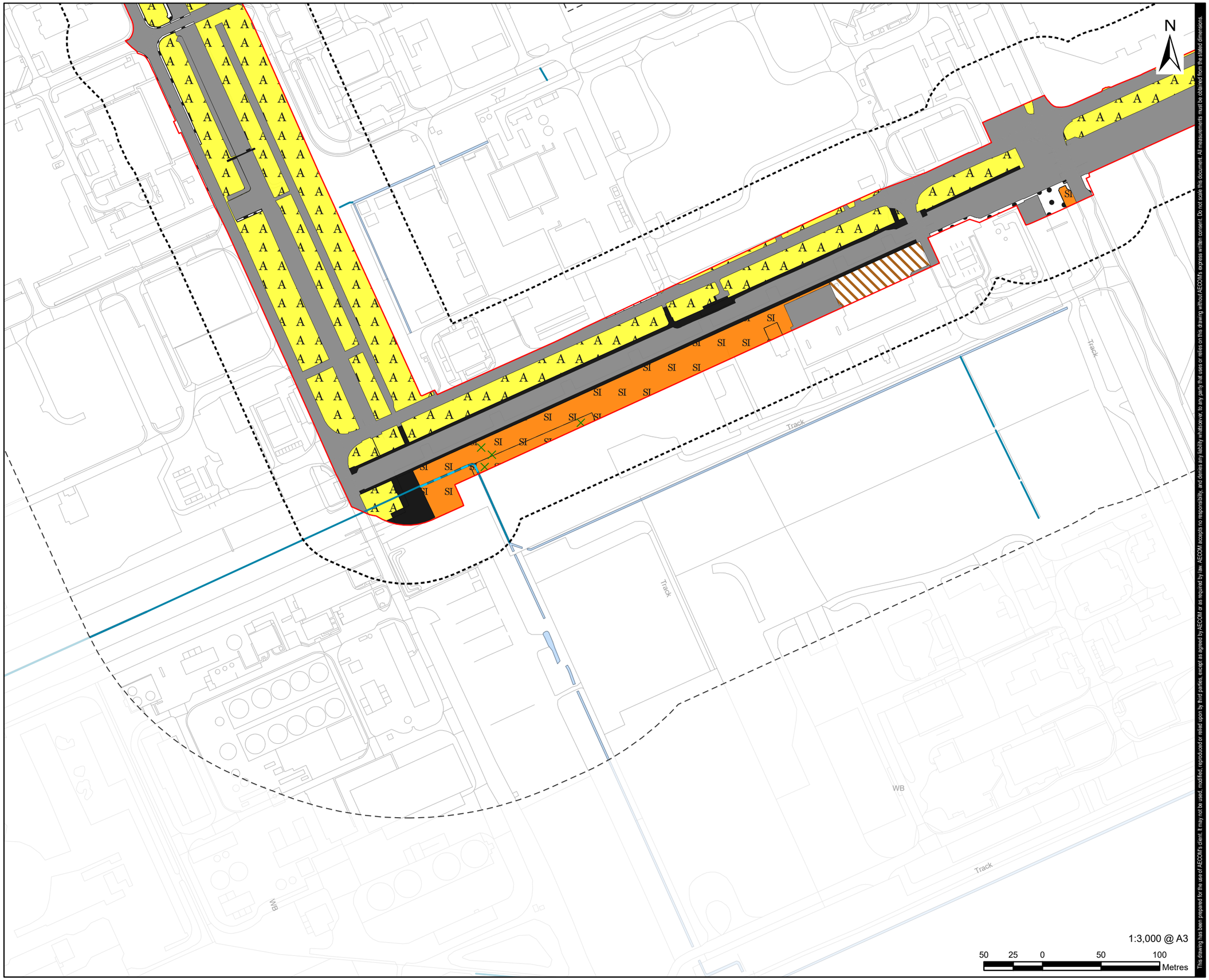
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 53 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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APPLICANT

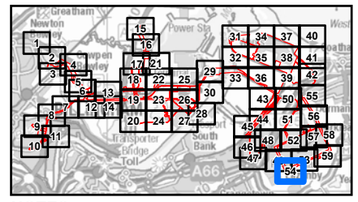
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.2 - Scrub - scattered
- J2.6 - Dry ditch
- A2.1 - Scrub - dense/continuous
- B2.2 - Neutral grassland - semi-improved
- B6 - Poor semi-improved grassland
- C3.1 - Other tall herb and fern - ruderal
- J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

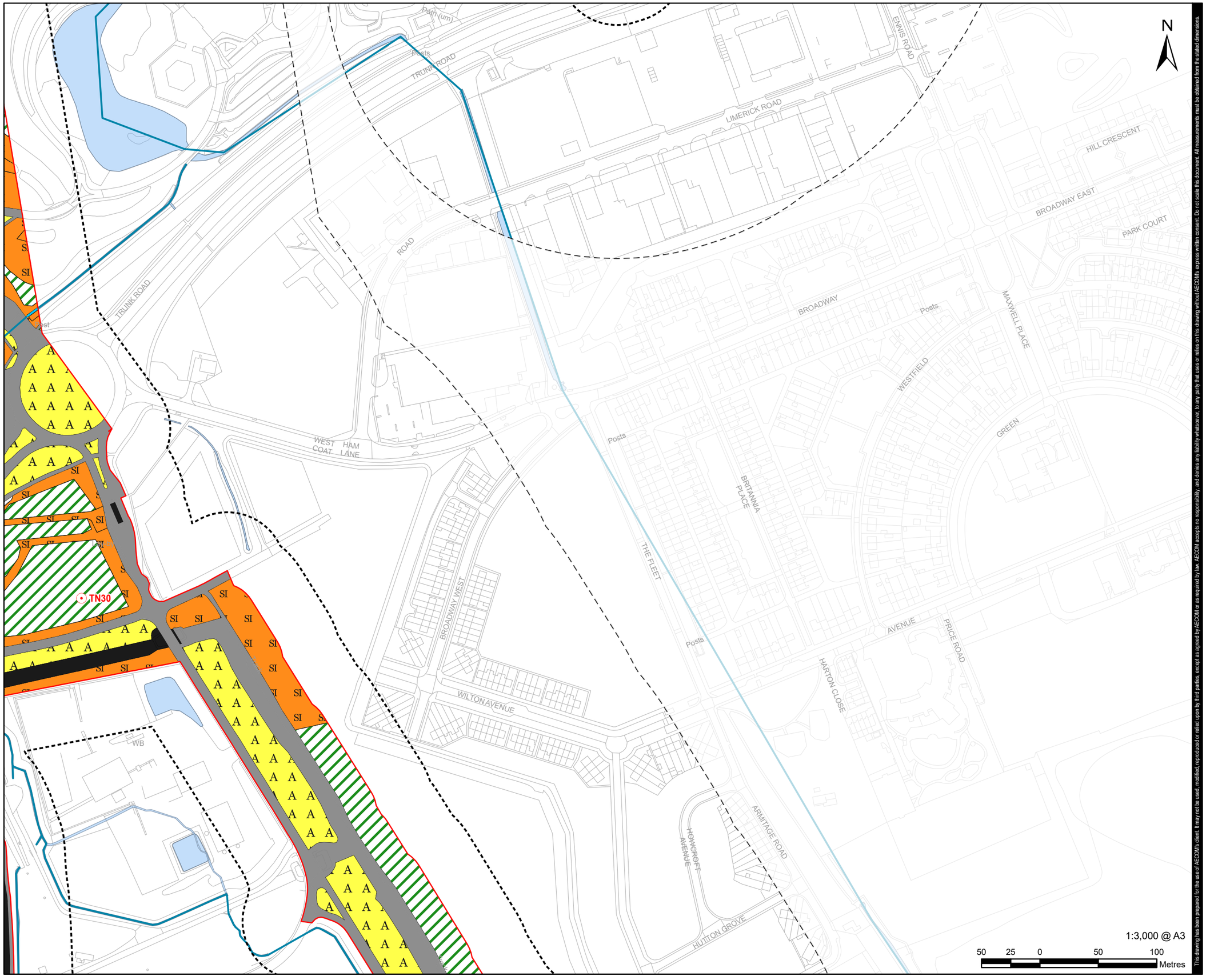
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 54 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

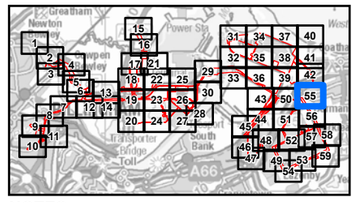
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- G2 - Running water
- A1.1.2 - Broadleaved woodland - plantation
- A1.3.2 - Mixed woodland - plantation
- SI B2.2 - Neutral grassland - semi-improved
- G2 - Running water
- A J1.2 - Cultivated/disturbed land - amenity grassland
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 55 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

H2Teesside DCO

APPLICANT

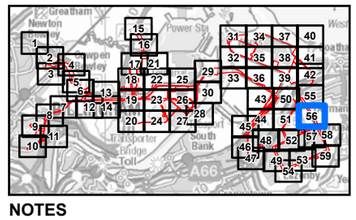
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- G2 - Running water
- A1.1.2 - Broadleaved woodland - plantation
- SI B2.2 - Neutral grassland - semi-improved
- G2 - Running water
- A J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

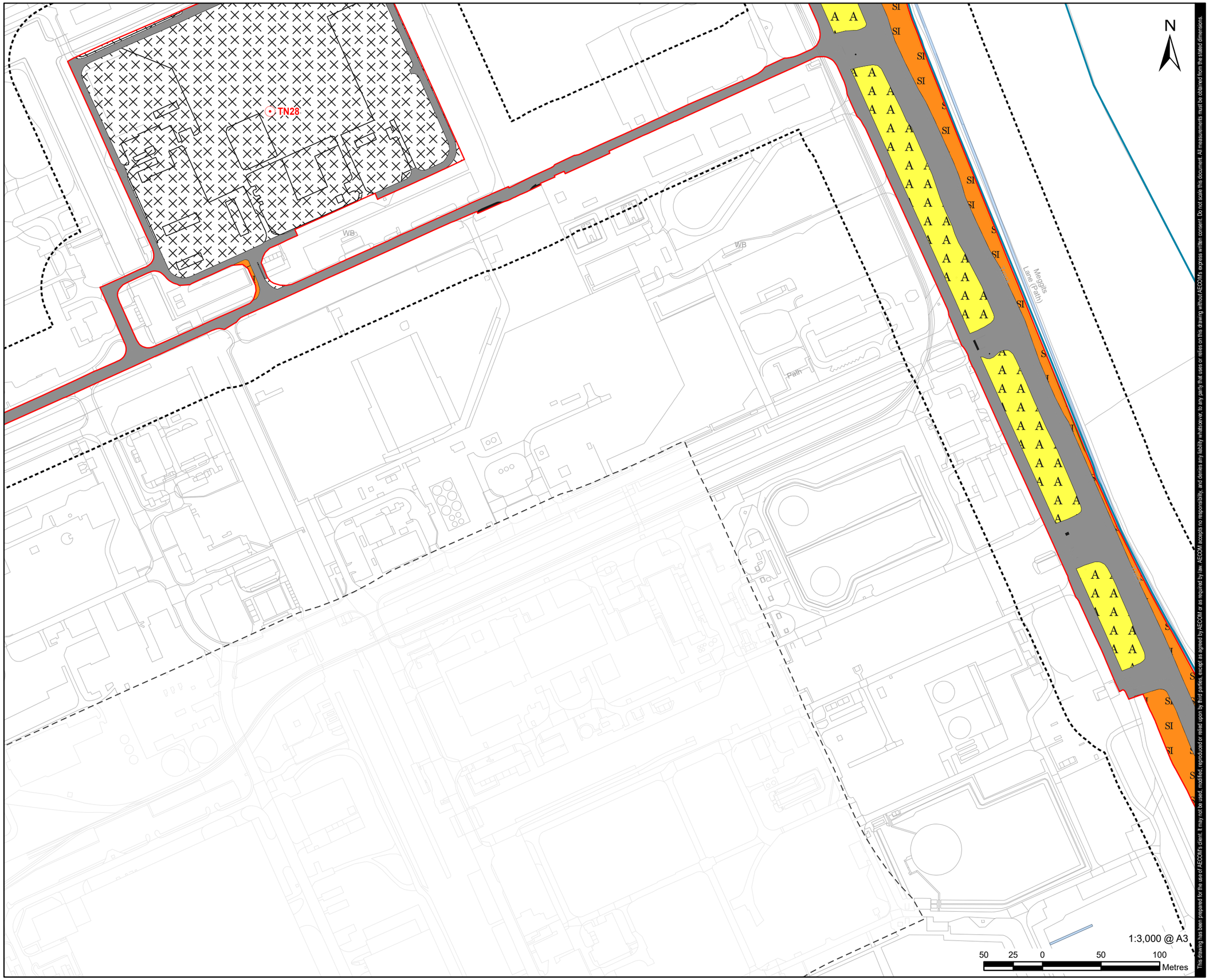
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 56 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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H2Teesside DCO

APPLICANT

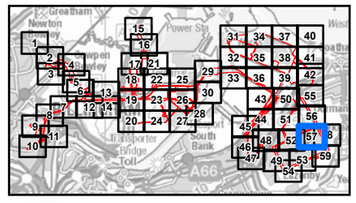
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- J2.1.2 - Intact hedge - species-poor
- SI B2.2 - Neutral grassland - semi-improved
- C3.1 - Other tall herb and fern - ruderal
- G2 - Running water
- A J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 57 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\lfs\EMEA\Bristol-UKBRI2\Legacy\UKBRI2FP0011VOL1\BEI\Projects\IEnvironmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside ESH2Teesside_ES_Ecology\PEA.aprx



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AECOM

PROJECT

H2Teesside DCO

APPLICANT

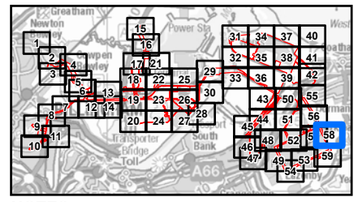
H2 Teesside Limited

CONSULTANT

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Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- Target note
- J2.1.2 - Intact hedge - species-poor
- A1.1.2 - Broadleaved woodland - plantation
- SI B2.2 - Neutral grassland - semi-improved
- G2 - Running water
- A J1.2 - Cultivated/disturbed land - amenity grassland
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

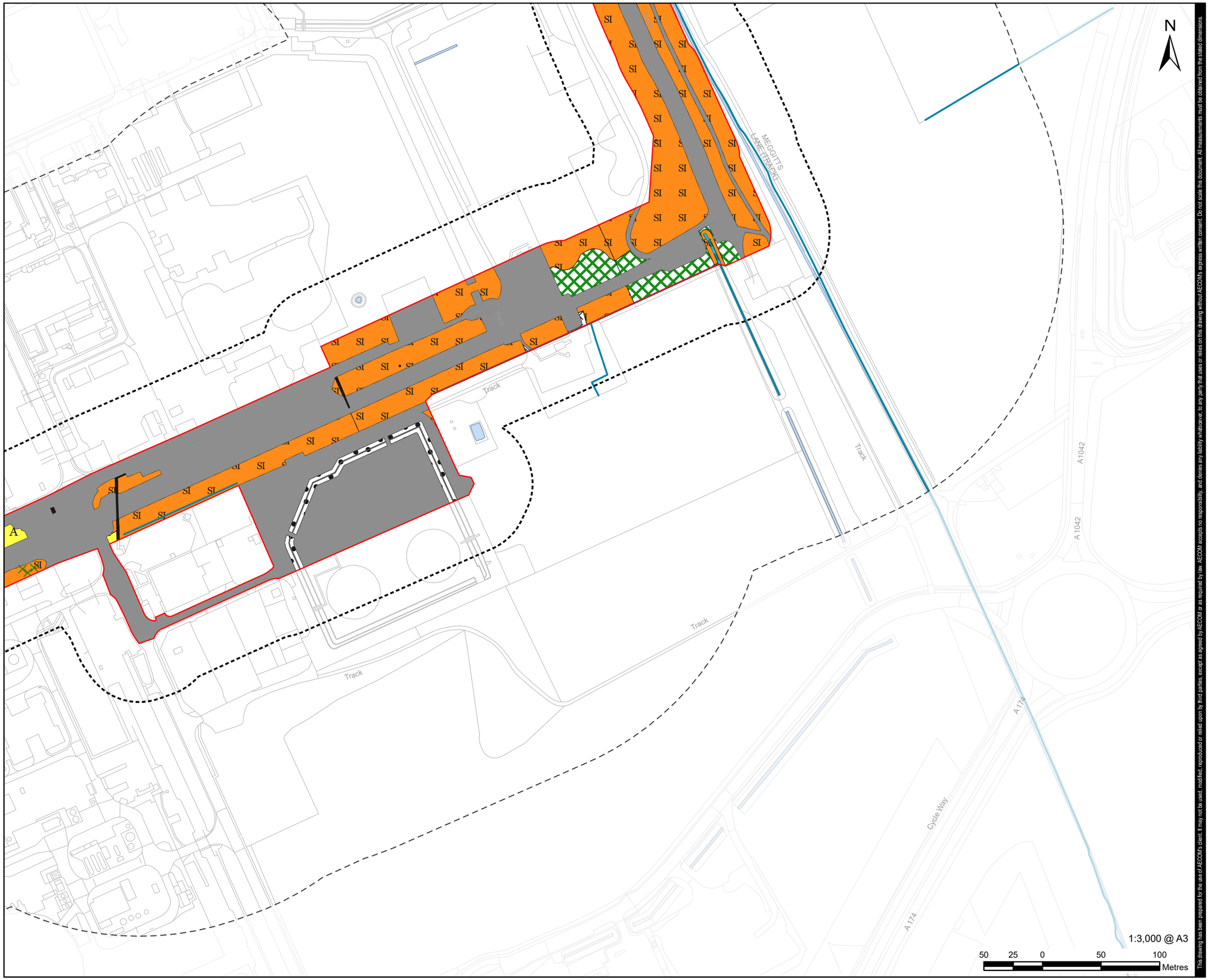
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 58 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

H2Teesside DCO

APPLICANT

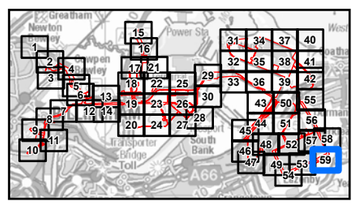
H2 Teesside Limited

CONSULTANT

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Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed development site
- Proposed development site - 50 m Buffer
- Proposed development site - 250 m Buffer
- A2.2 - Scrub - scattered
- J2.6 - Dry ditch
- A2.1 - Scrub - dense/continuous
- SI B2.2 - Neutral grassland - semi-improved
- A J1.2 - Cultivated/disturbed land - amenity grassland
- J1.3 - Cultivated/disturbed land - ephemeral/short perennial
- J3.6 - Buildings
- J4 - Bare ground
- Hardstanding
- Waterbody
- Waterbody area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

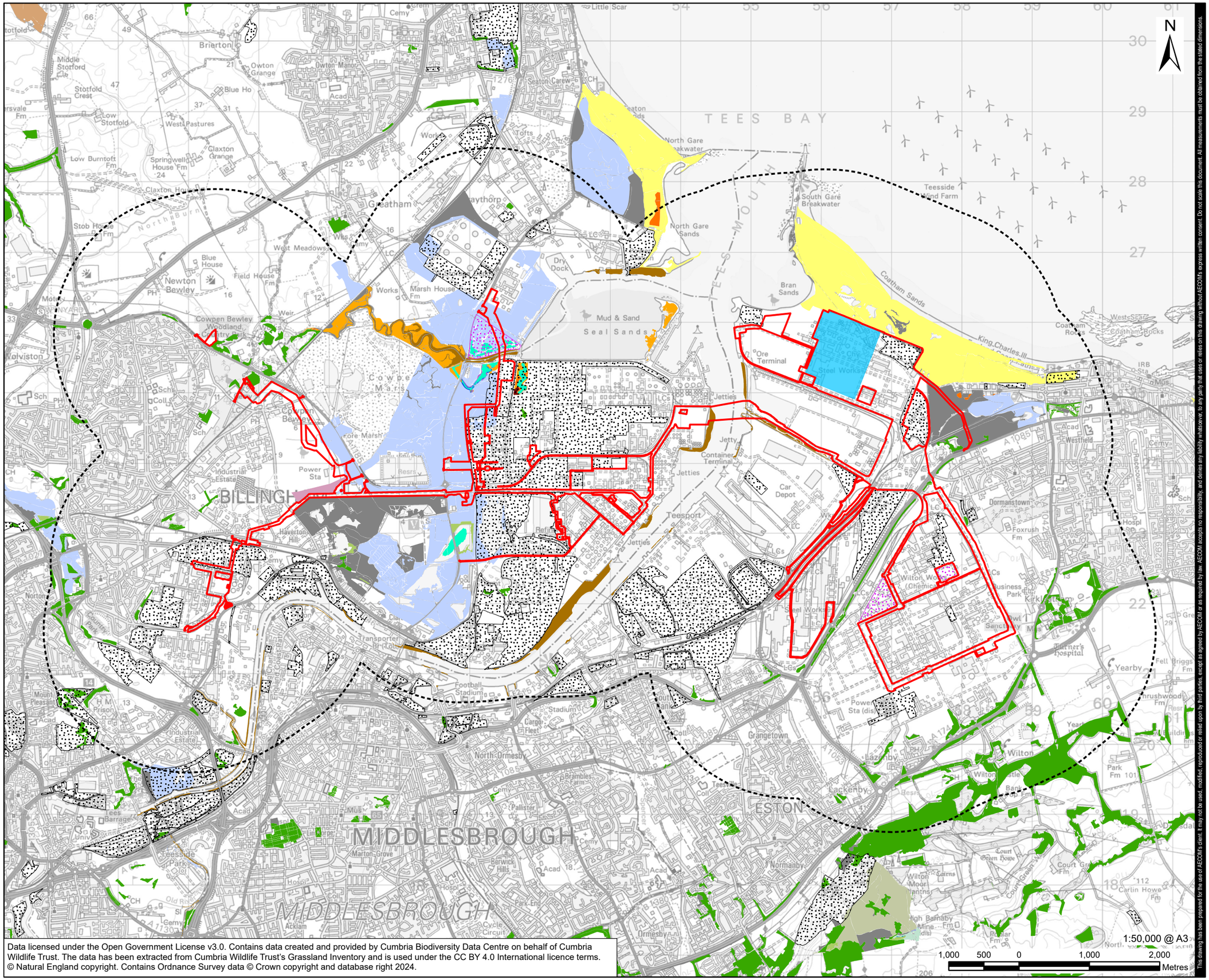
The Proposed Development Site and Phase 1 Habitats

FIGURE NUMBER

Figure 12-A-4 (Sheet 59 of 59)

Revision: 0 Drawn: MAB Checked: LL Approved: JW Date: 2024-02-12

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AECOM

PROJECT

H2Teesside DCO

APPLICANT

H2 Teesside Limited

CONSULTANT

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www.aecom.com

LEGEND

- Proposed Development Site
- Proposed Development Site Boundary - 2 km Buffer
- Main Site

Priority Habitat

- Open Mosaic Habitat on Previously Developed Land (MAGIC)
- Open Mosaic Habitat on Previously Developed Land (AECOM 2023)
- Coastal and floodplain grazing marsh
- Coastal saltmarsh
- Coastal sand dunes
- Deciduous woodland
- Lowland calcareous grassland
- Lowland fens
- Lowland heathland
- Mudflats
- No main habitat but additional habitats present
- Purple moor grass and rush pastures
- Reedbeds
- Saline lagoons
- Coastal and floodplain grazing marsh,Coastal saltmarsh
- Coastal saltmarsh,Saline lagoons
- Good quality semi improved grassland
- Reedbeds,Coastal saltmarsh
- Upland flushes fens and swamps
- Reedbeds on top of floodplain grazing marsh

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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

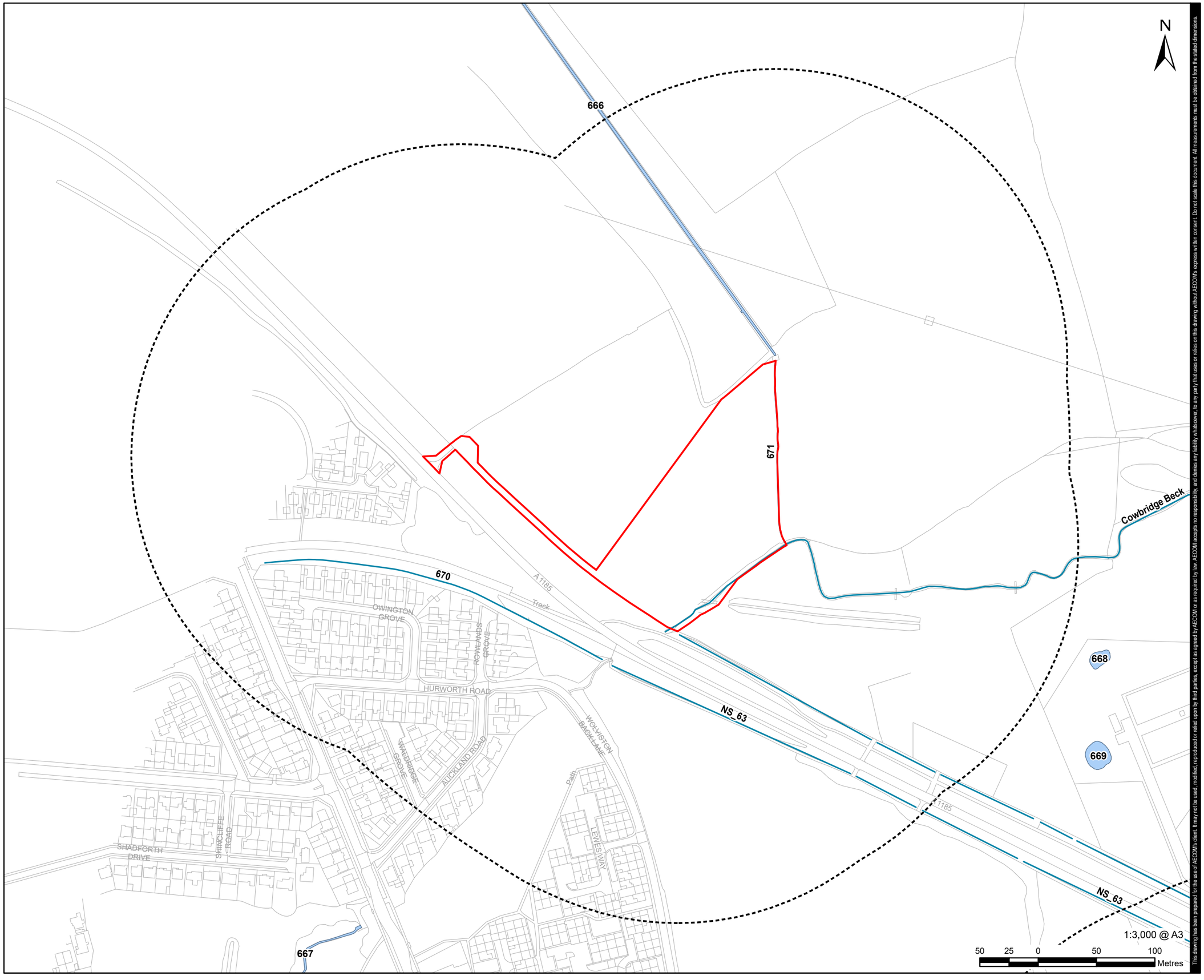
The Proposed Development Site and Priority Habitats

FIGURE NUMBER

Figure 12-A-5

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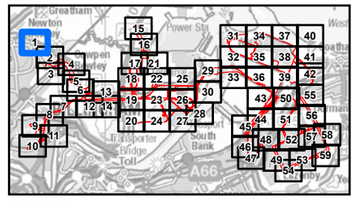
H2 Teesside Limited

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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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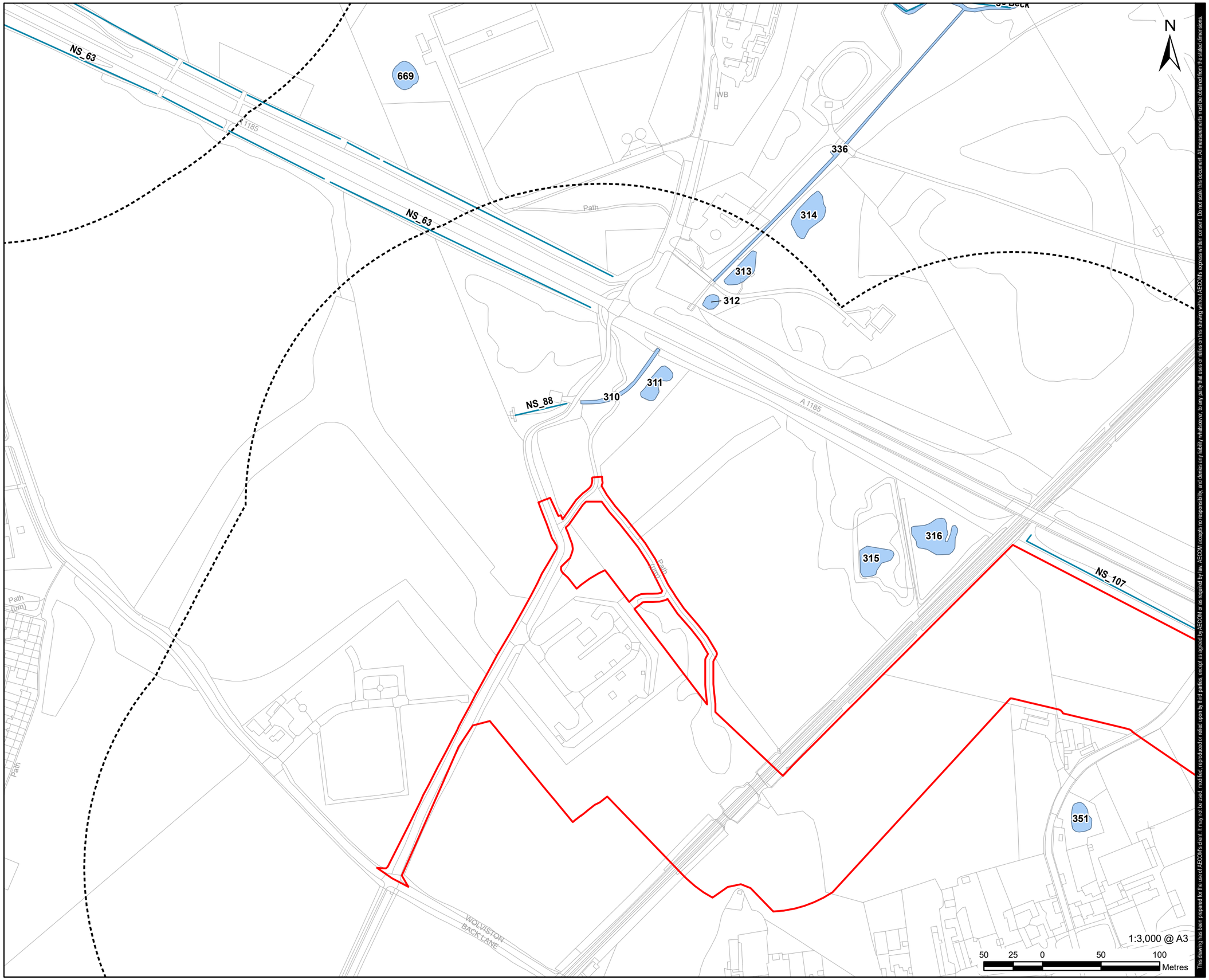
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 1 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

H2Teesside DCO

APPLICANT

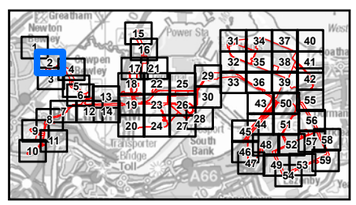
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

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PROJECT NUMBER

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FIGURE TITLE

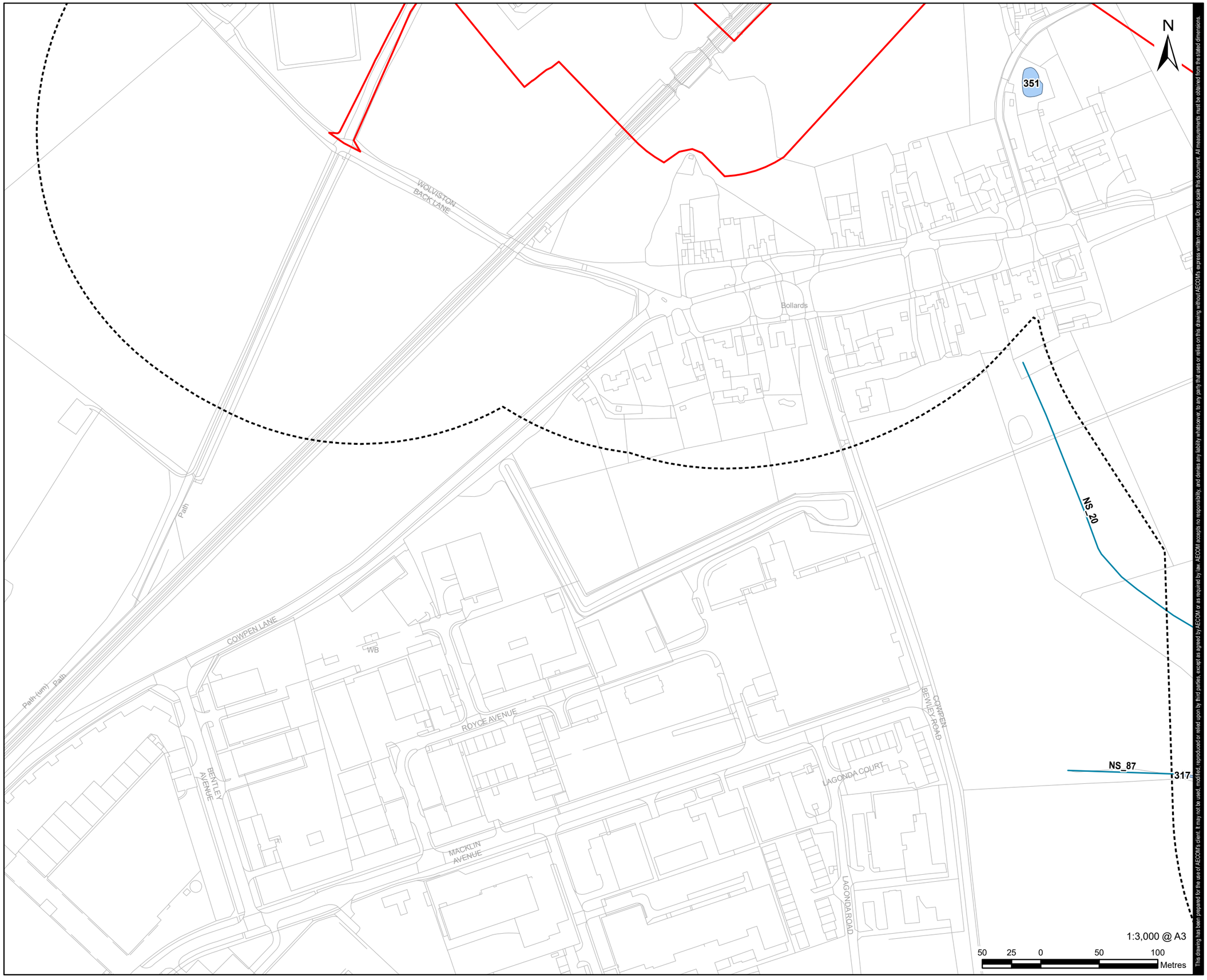
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 2 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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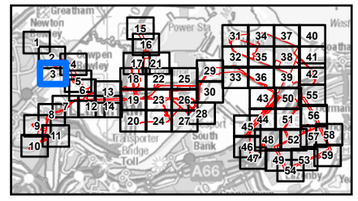
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CONSULTANT

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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

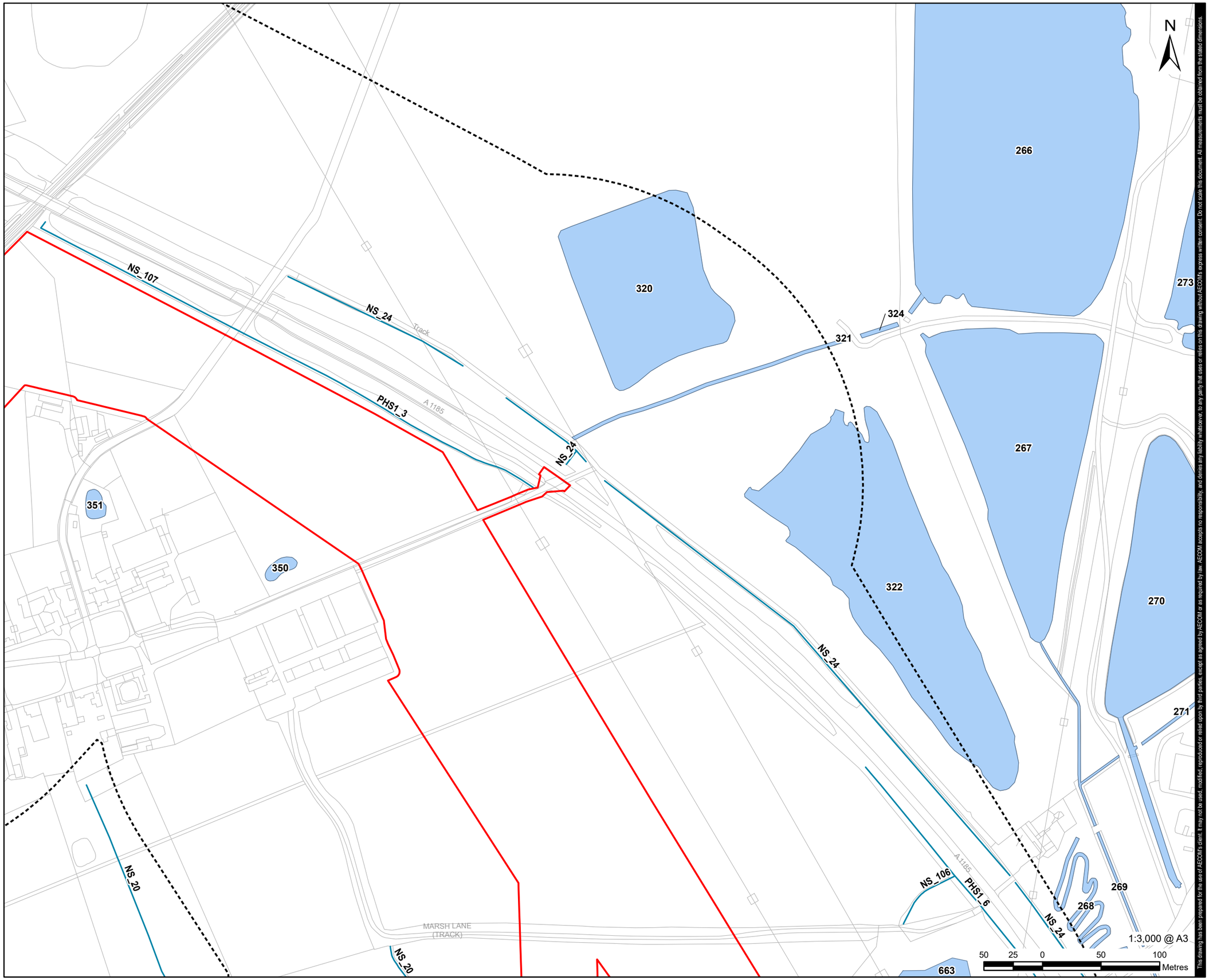
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 3 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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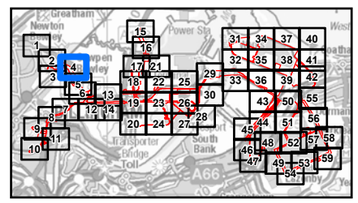
H2 Teesside Limited

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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

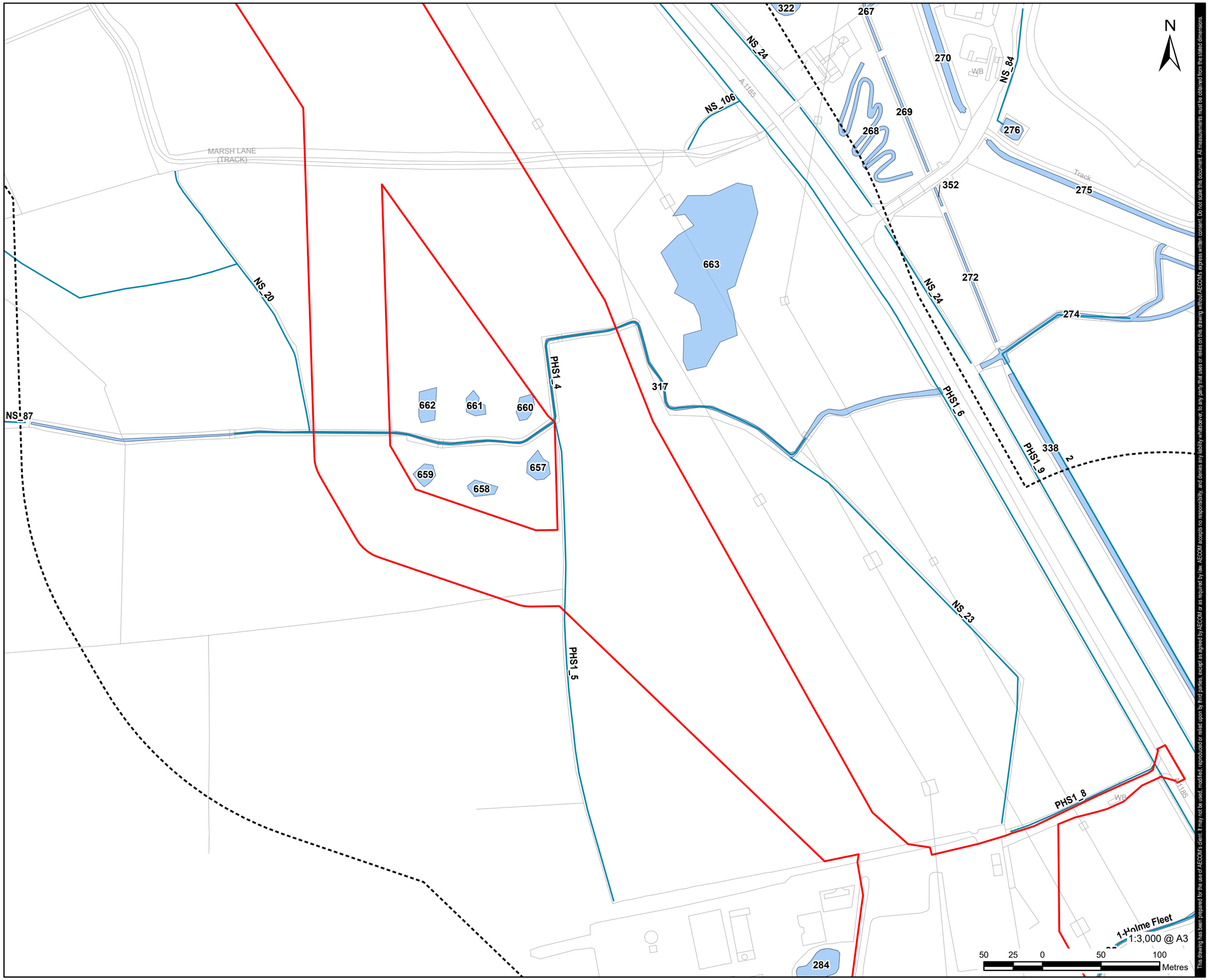
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 4 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

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APPLICANT

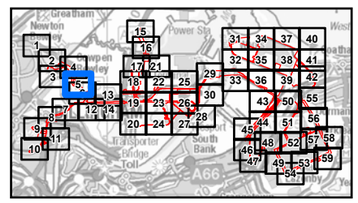
H2 Teesside Limited

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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

The Proposed Development Site and all Watercourses/Waterbodies

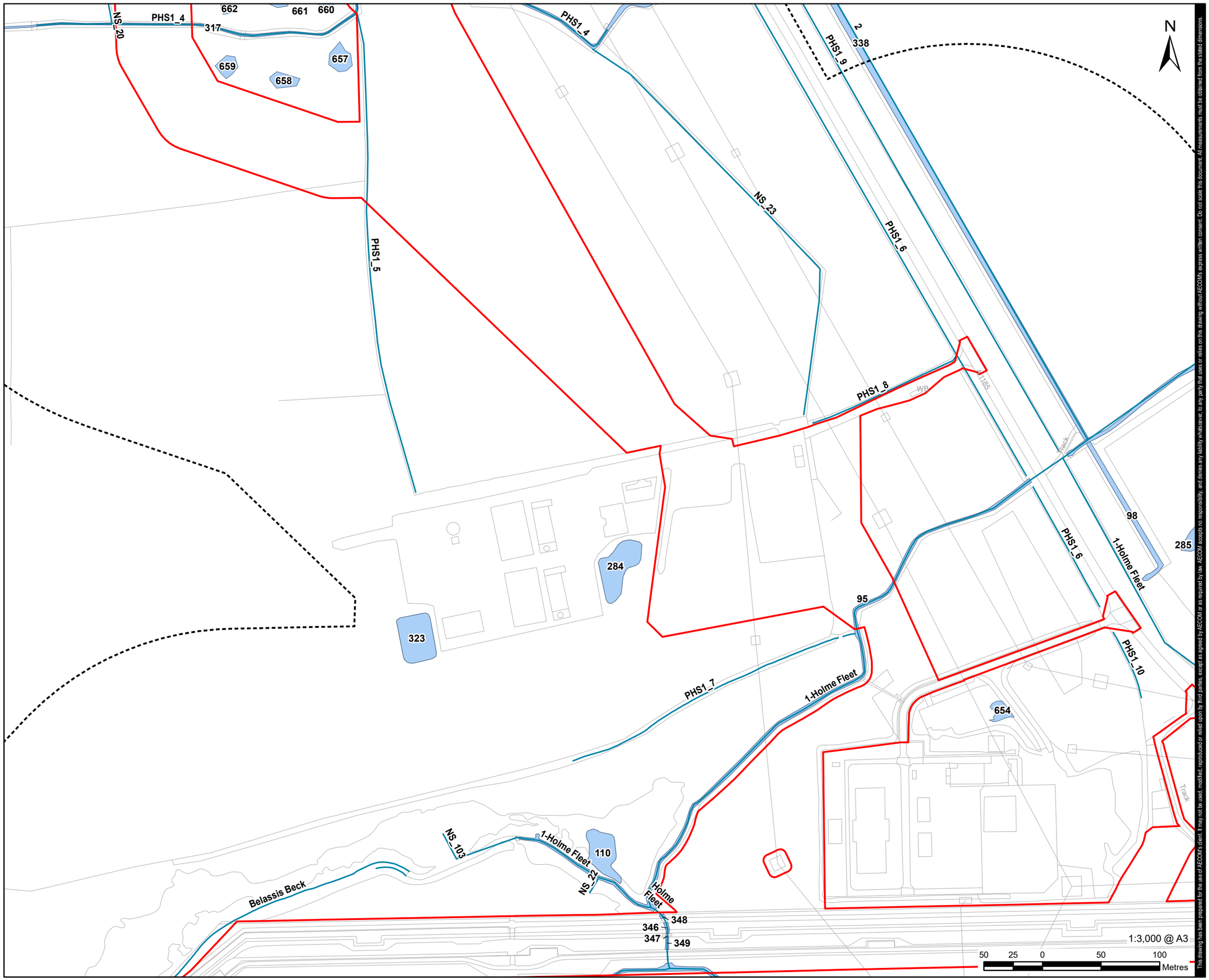
FIGURE NUMBER

Figure 12-A-6 (Sheet 5 of 59)

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PROJECT

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APPLICANT

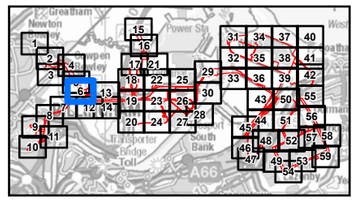
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

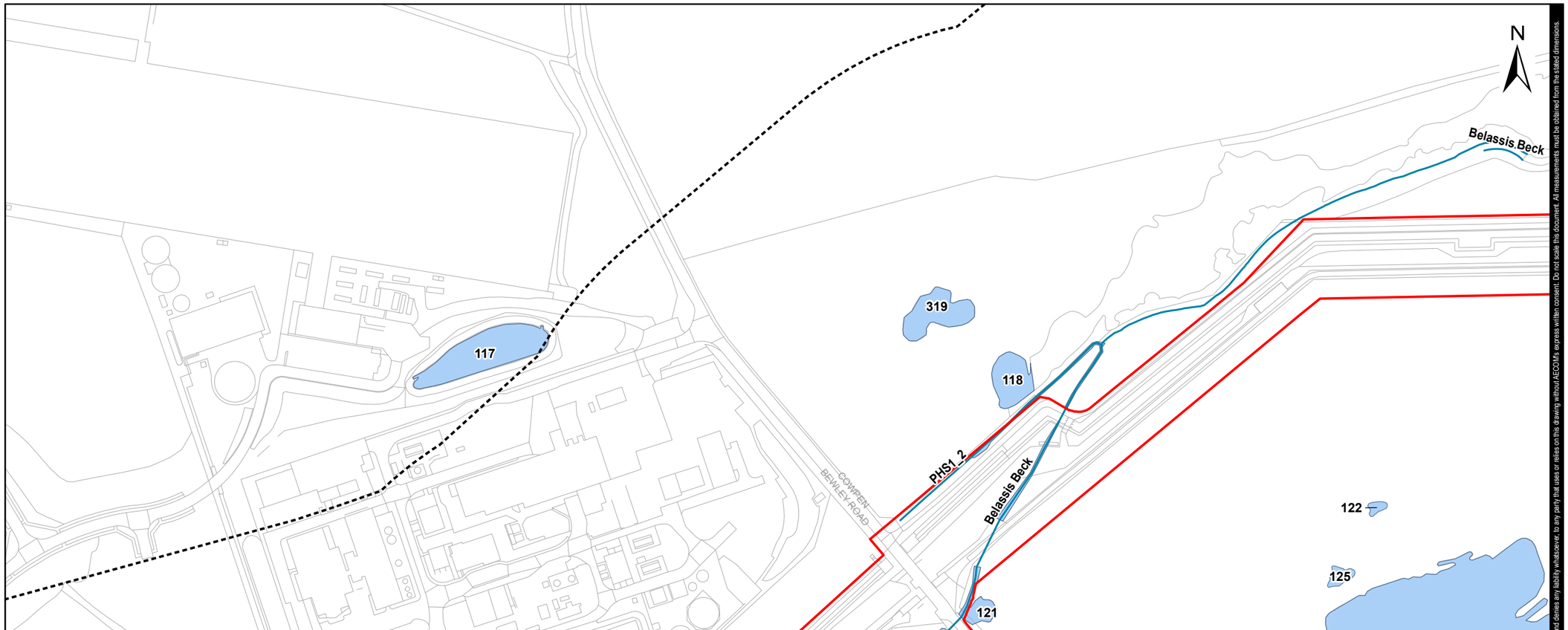
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 6 of 59)

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PROJECT

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APPLICANT

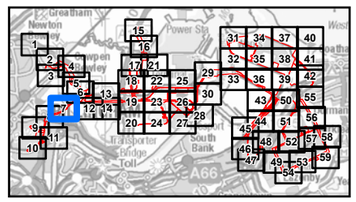
H2 Teesside Limited

CONSULTANT

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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

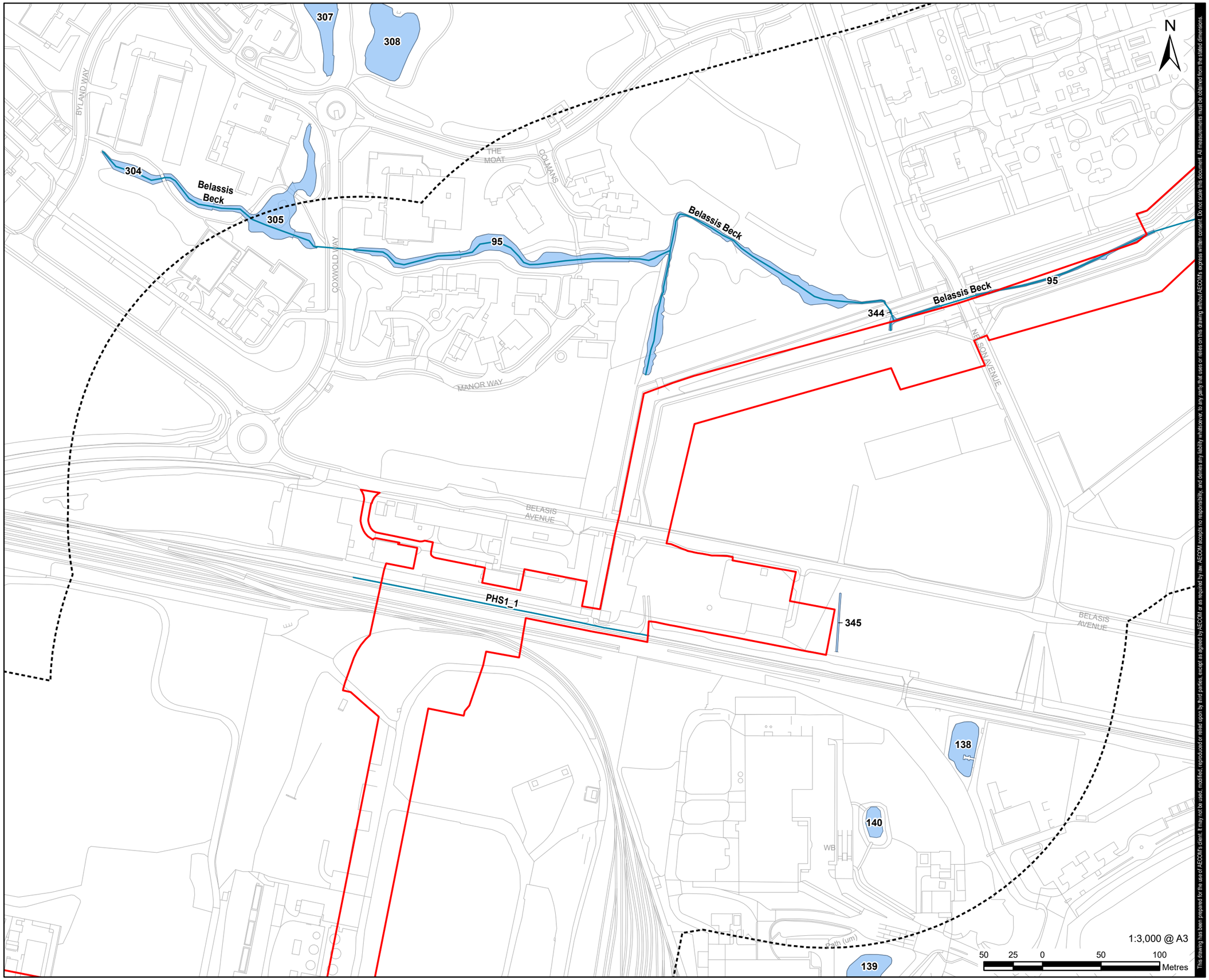
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 7 of 59)

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PROJECT

H2Teesside DCO

APPLICANT

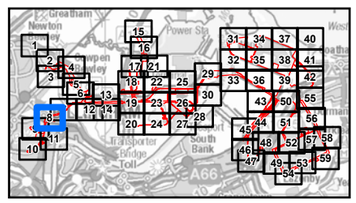
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

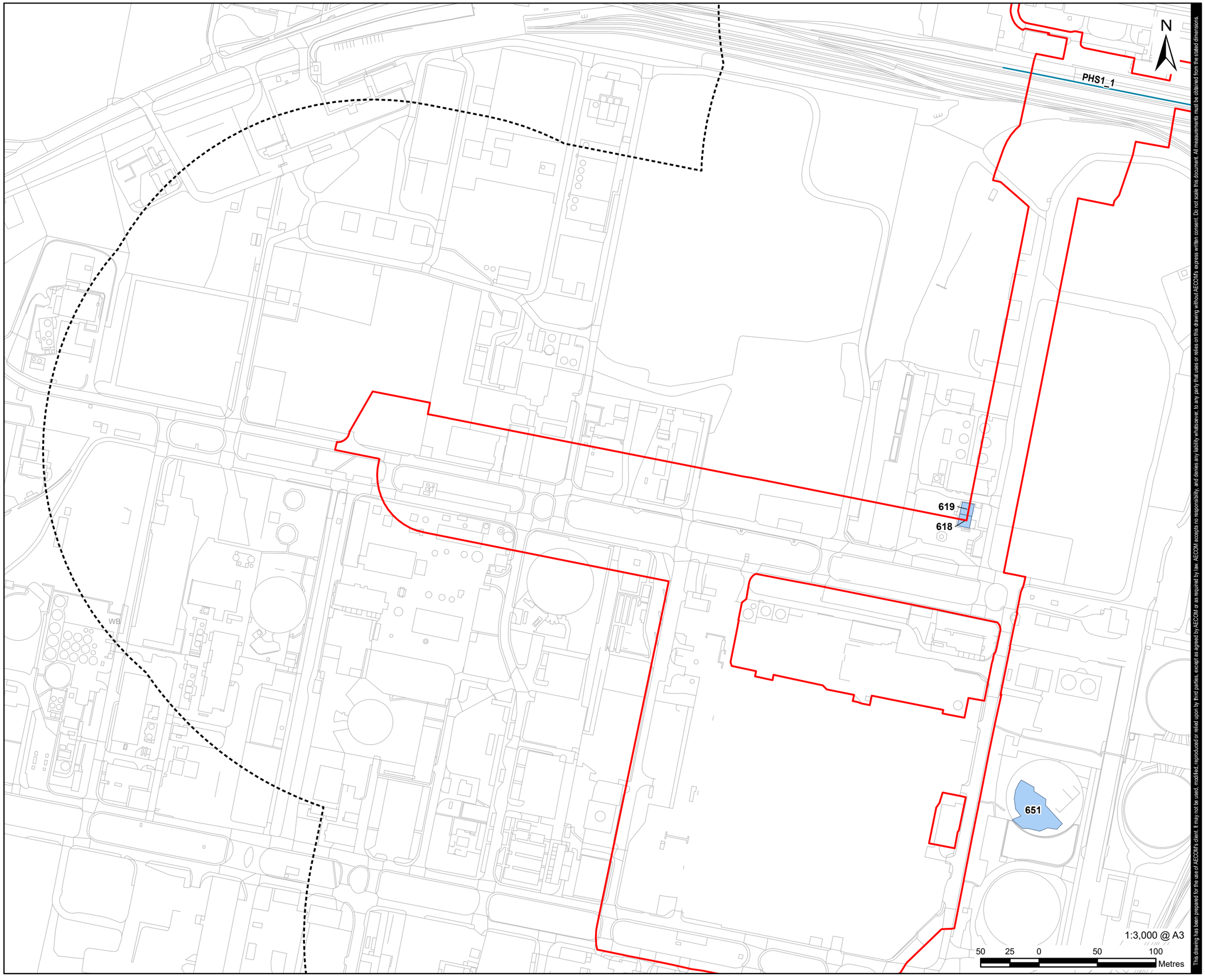
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 8 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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AECOM

PROJECT

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APPLICANT

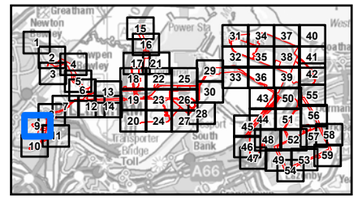
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

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PROJECT NUMBER

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FIGURE TITLE

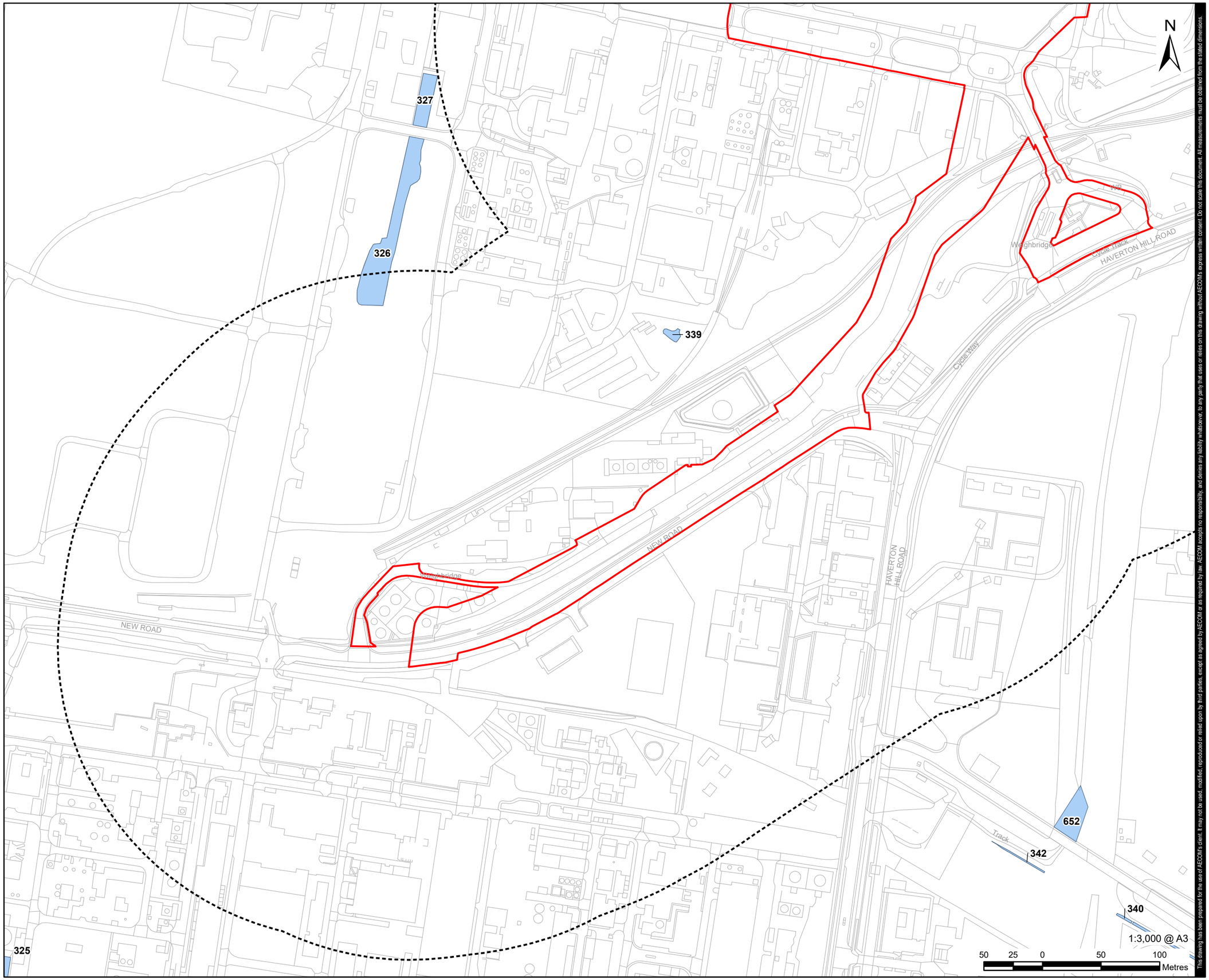
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 9 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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APPLICANT

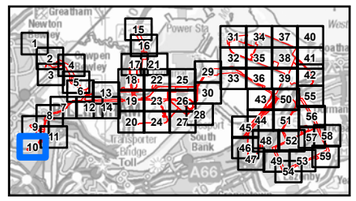
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody Area



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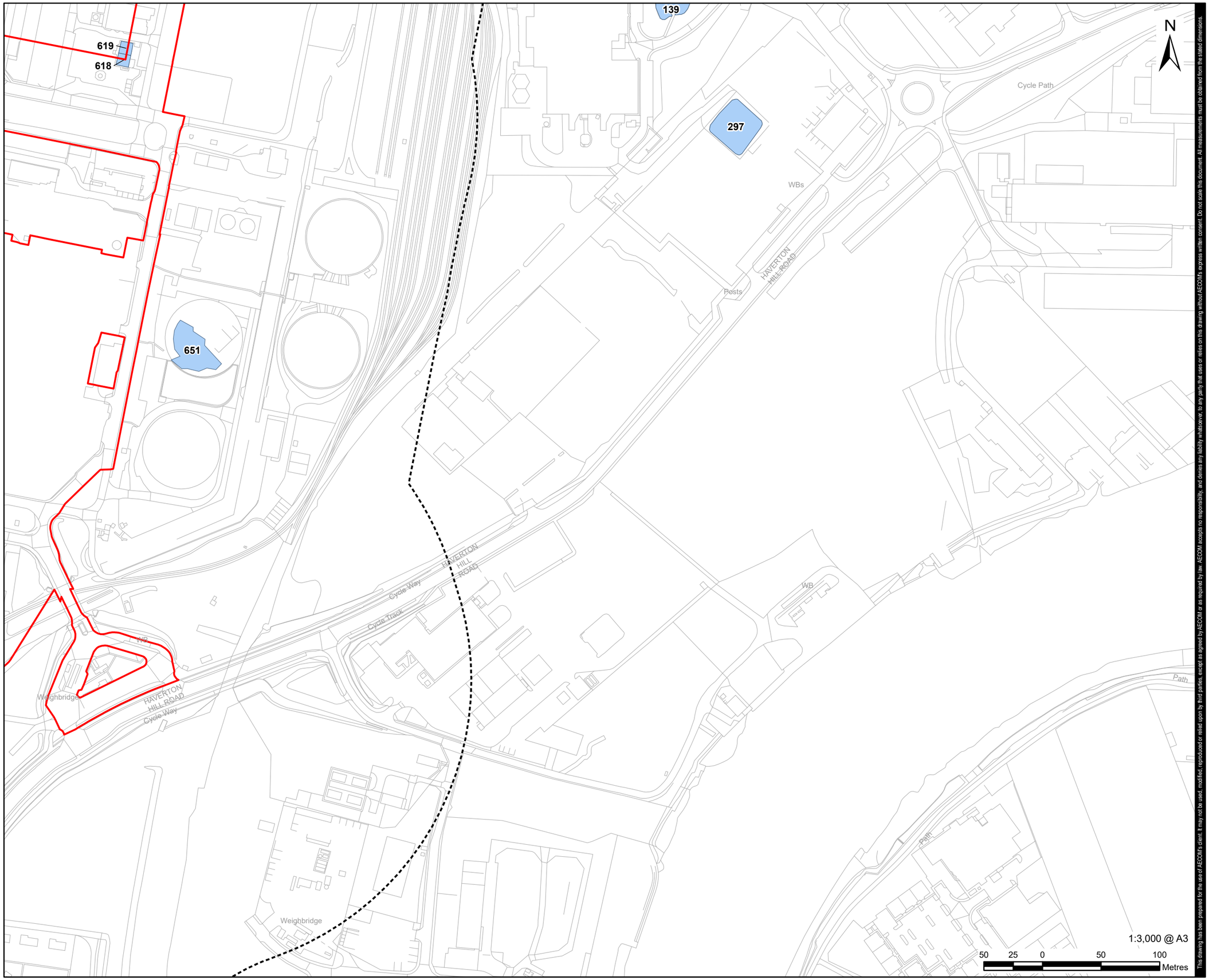
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 10 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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APPLICANT

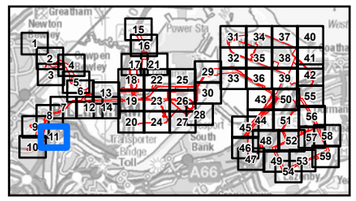
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody Area



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PROJECT NUMBER

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FIGURE TITLE

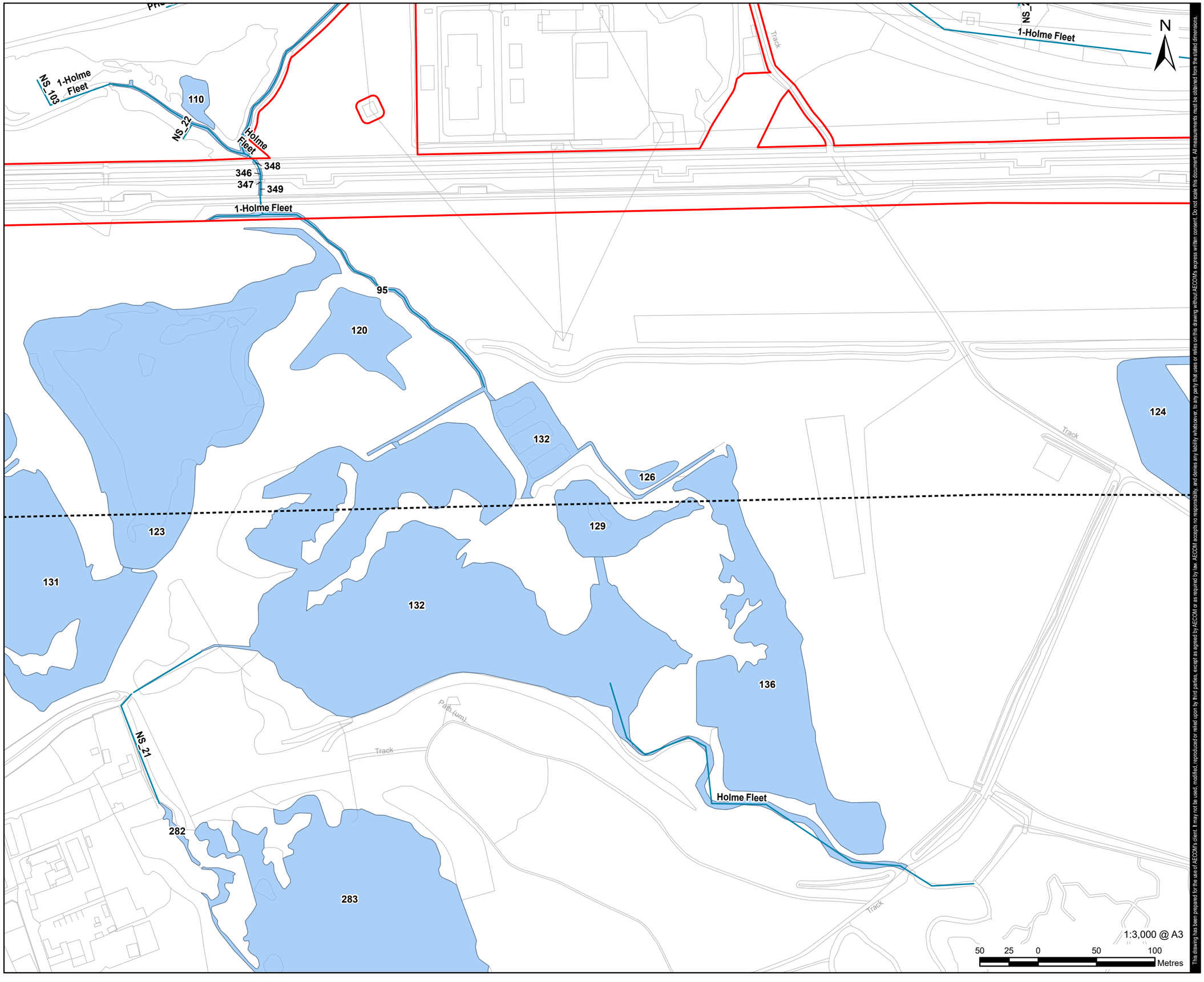
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 11 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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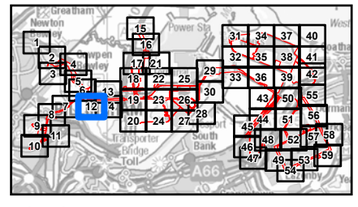
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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FIGURE TITLE

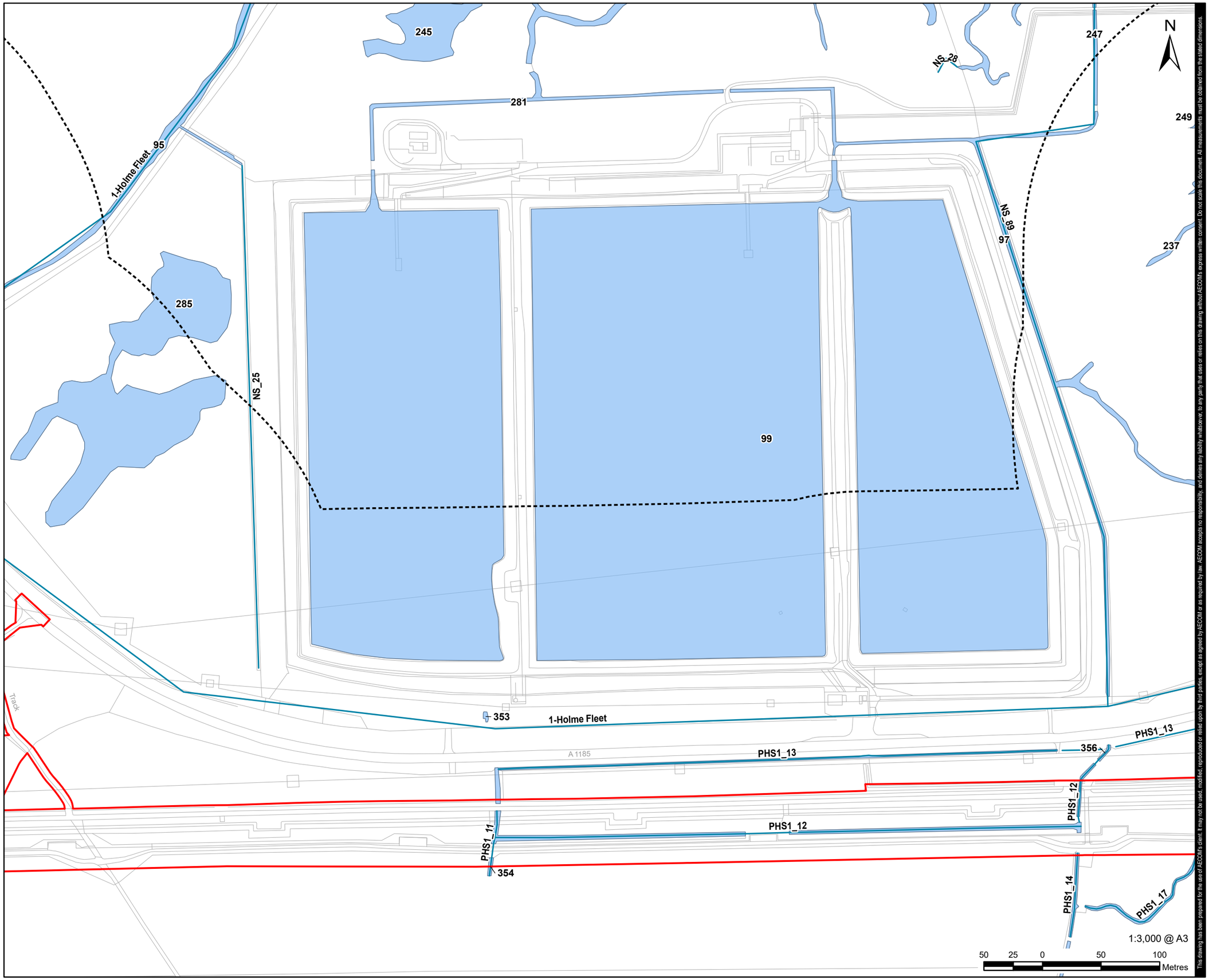
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 12 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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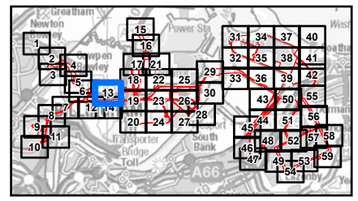
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

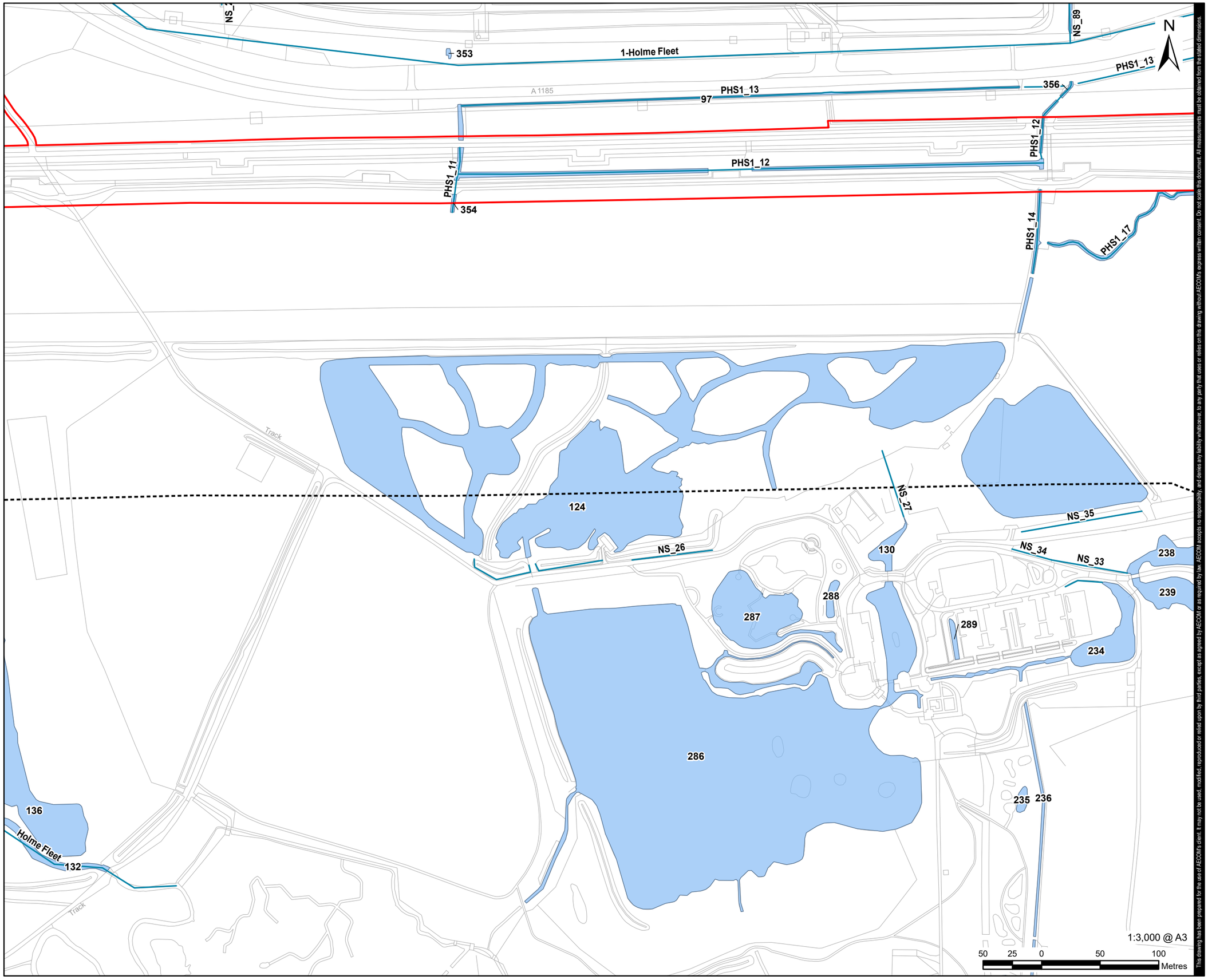
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 13 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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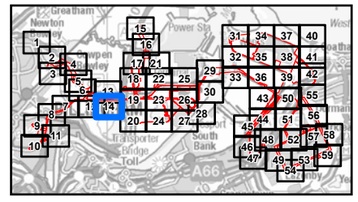
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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Environmental Statement

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60689030

FIGURE TITLE

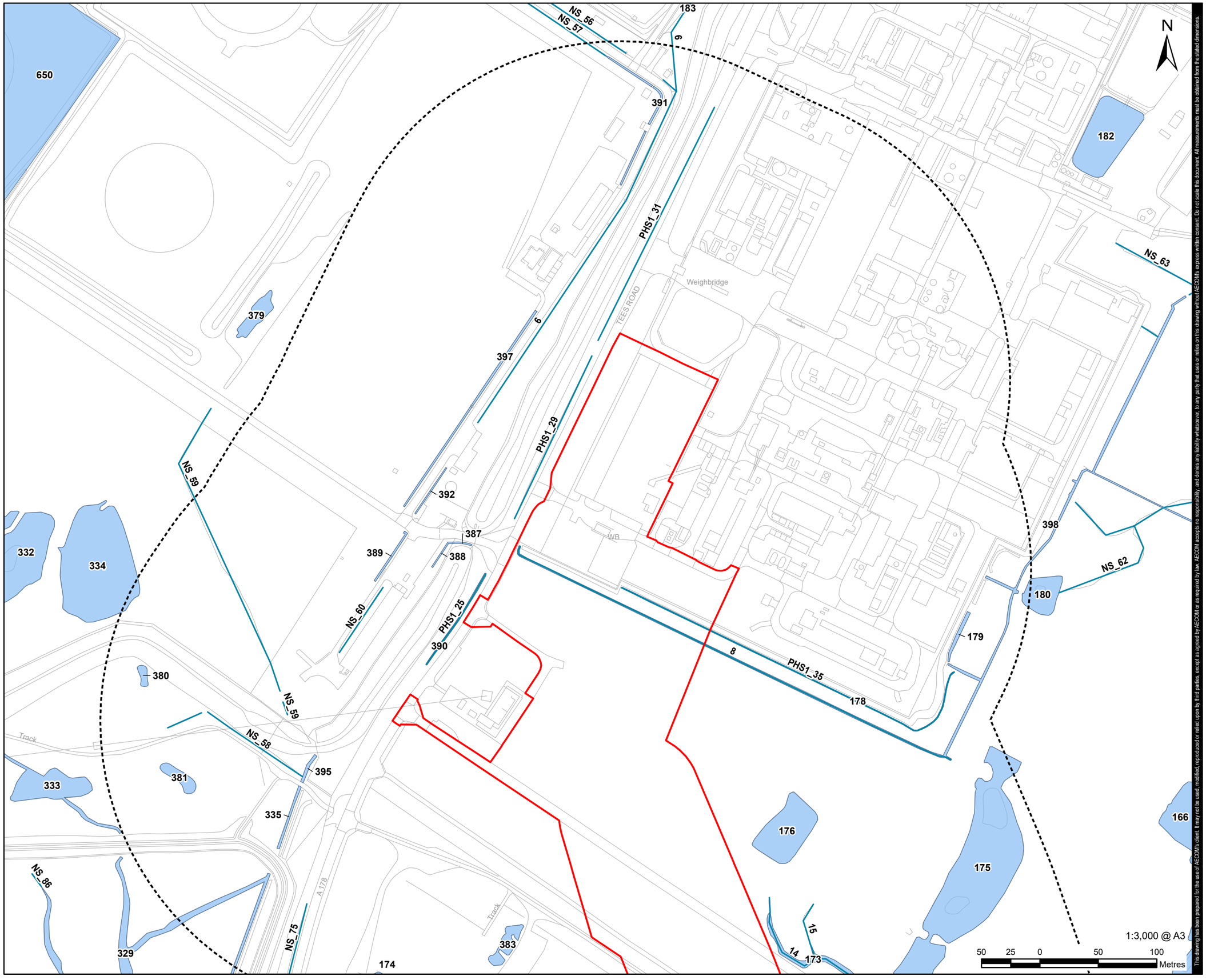
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 14 of 59)

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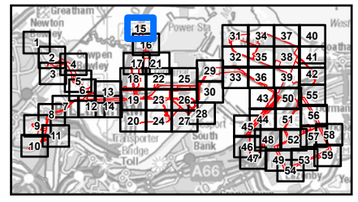
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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Environmental Statement

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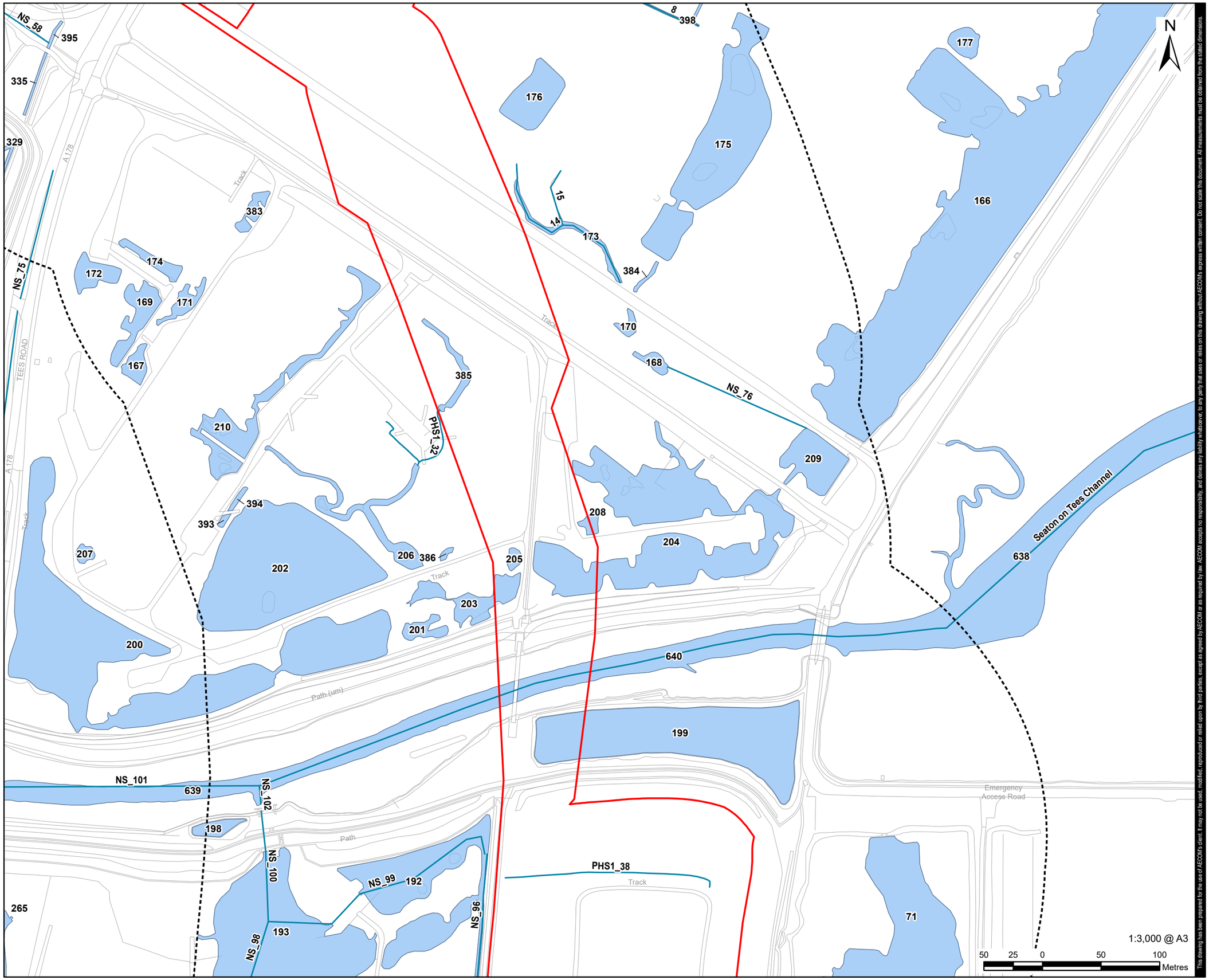
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 15 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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APPLICANT

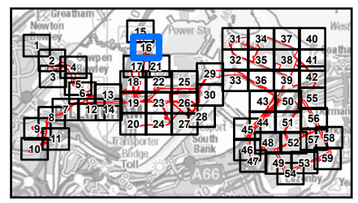
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
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- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

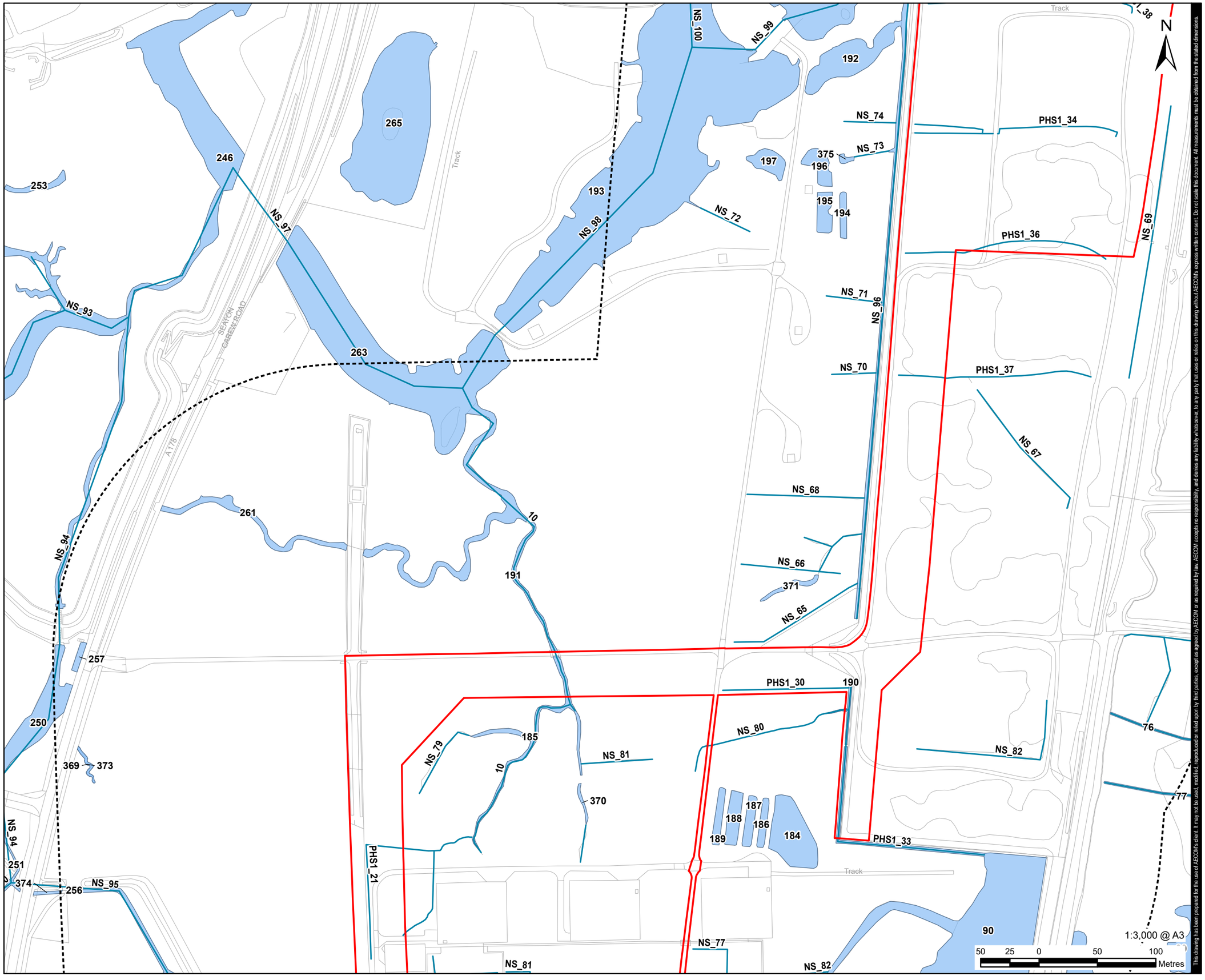
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 16 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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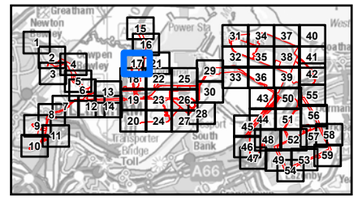
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
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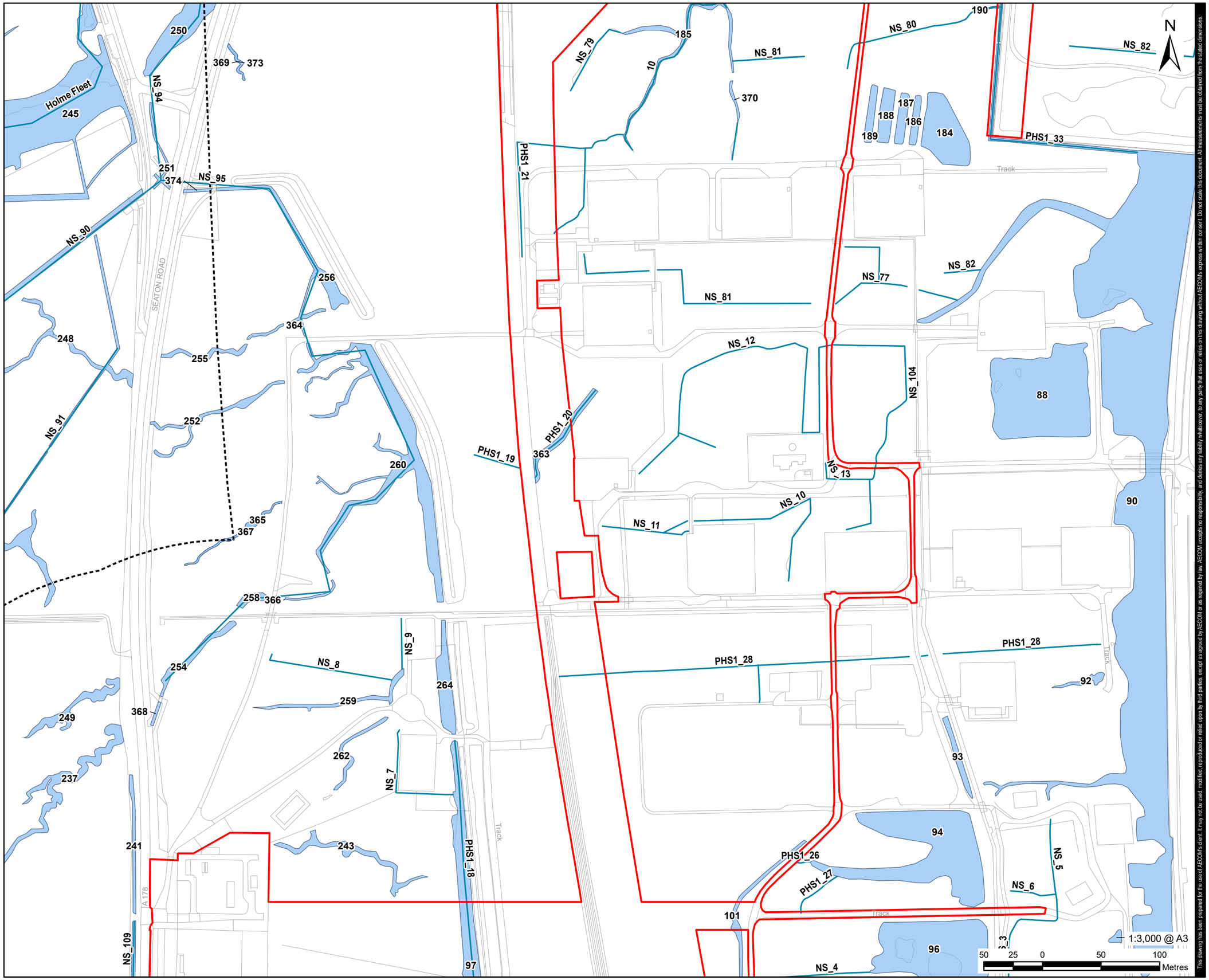
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 17 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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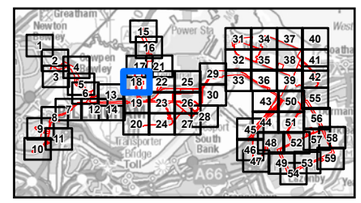
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LEGEND

- Proposed Development Site
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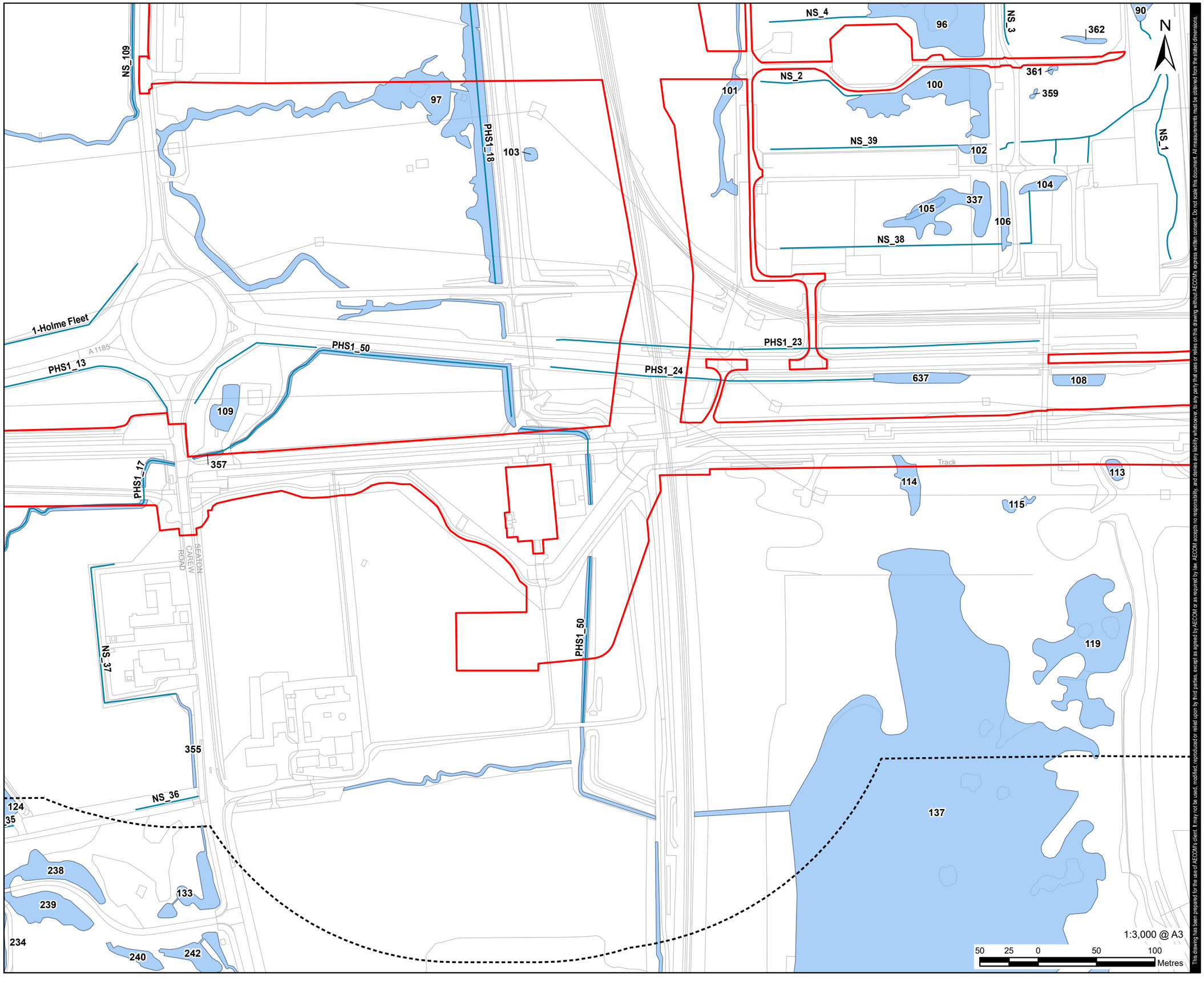
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 18 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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APPLICANT

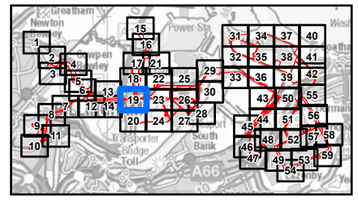
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

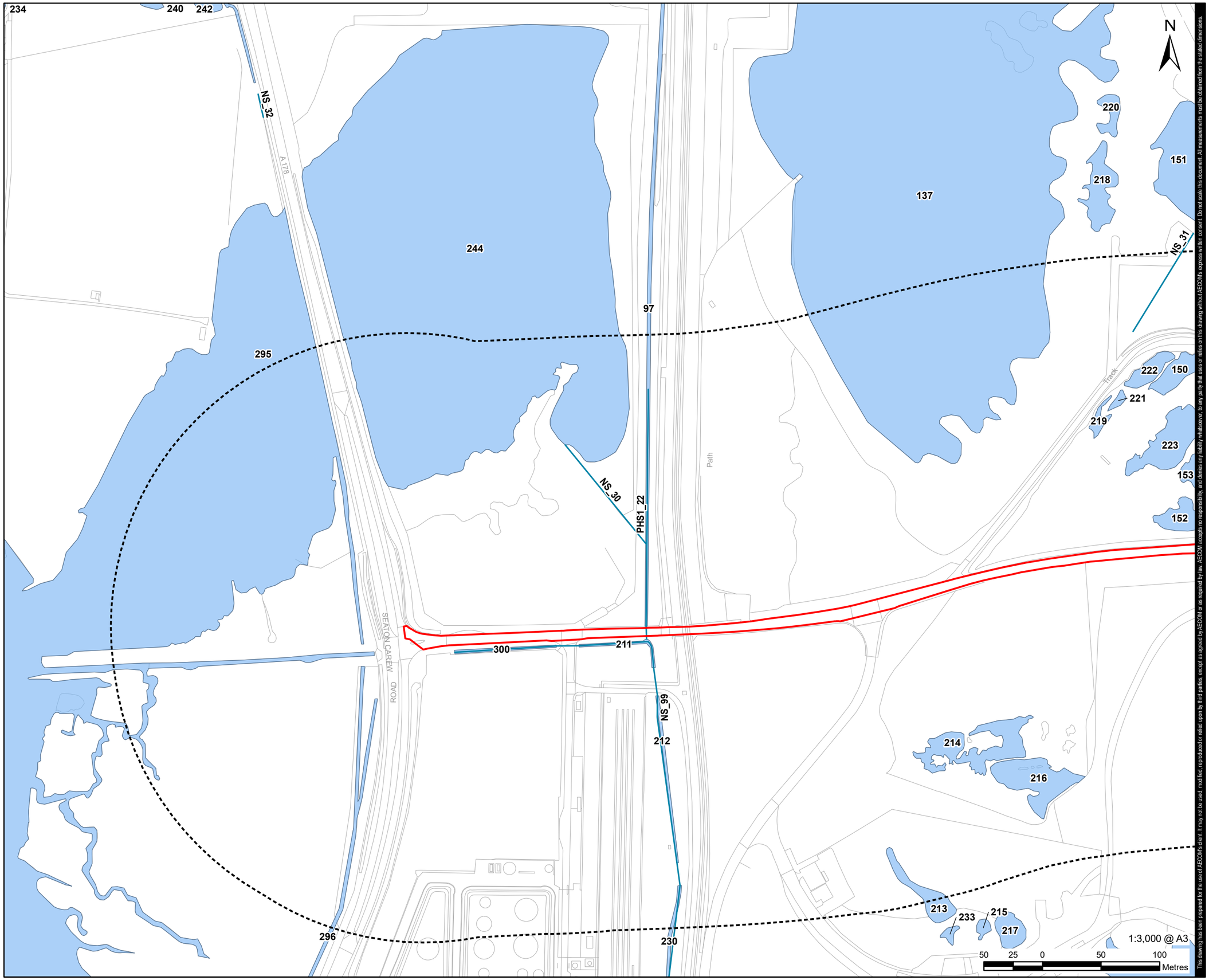
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 19 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\lfs\EMEA\Bristol-UKBR\2\Legacy\UKBR12FP0011\VOL1\BEI\Projects\Environmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside ES\H2Teesside_ES_Ecology\PEA.aprx



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PROJECT

H2Teesside DCO

APPLICANT

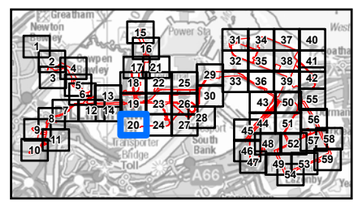
H2 Teesside Limited

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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

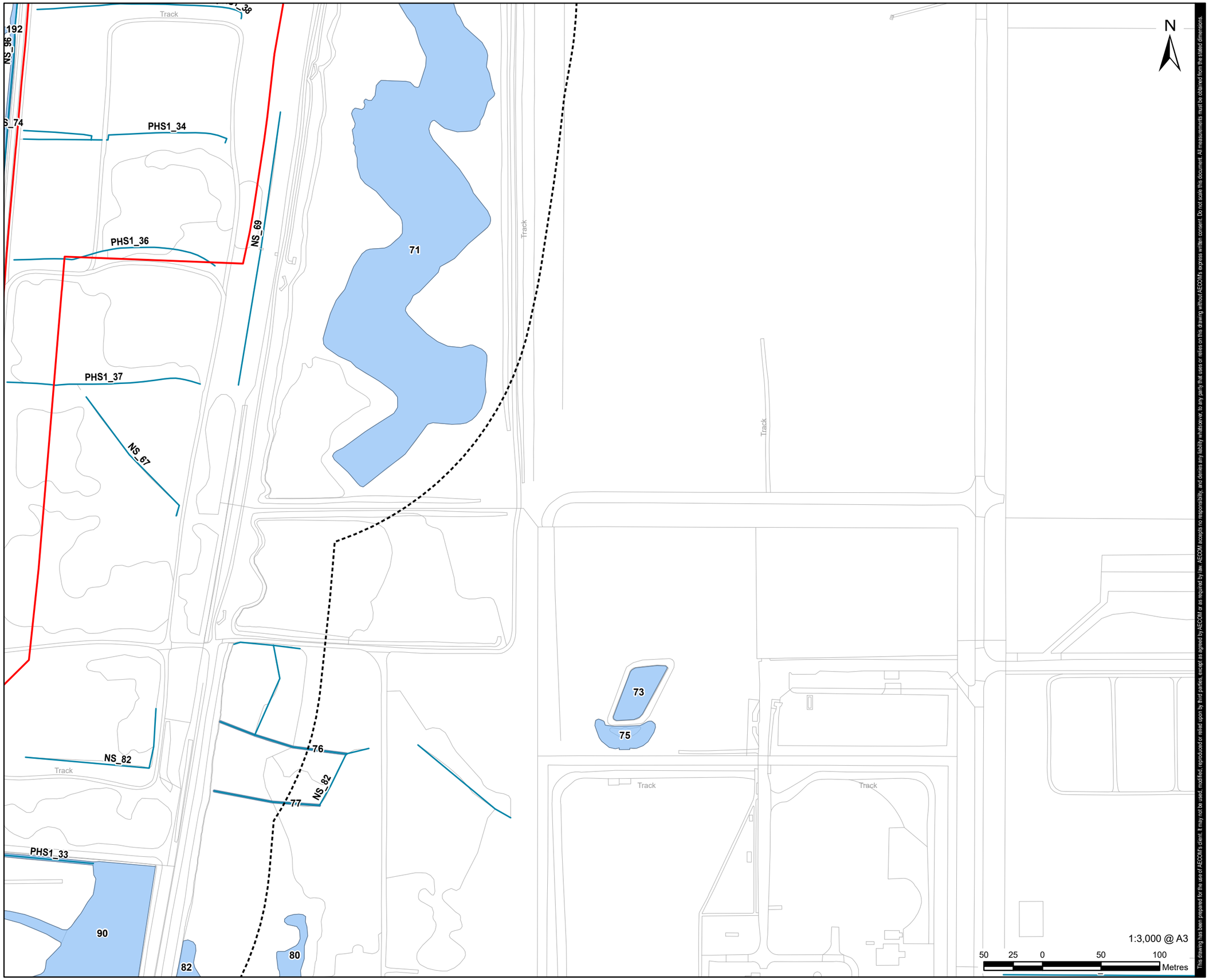
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 20 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

H2Teesside DCO

APPLICANT

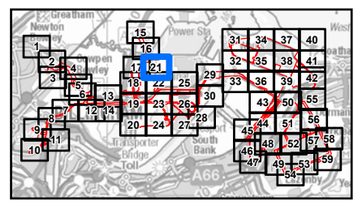
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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PROJECT NUMBER

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FIGURE TITLE

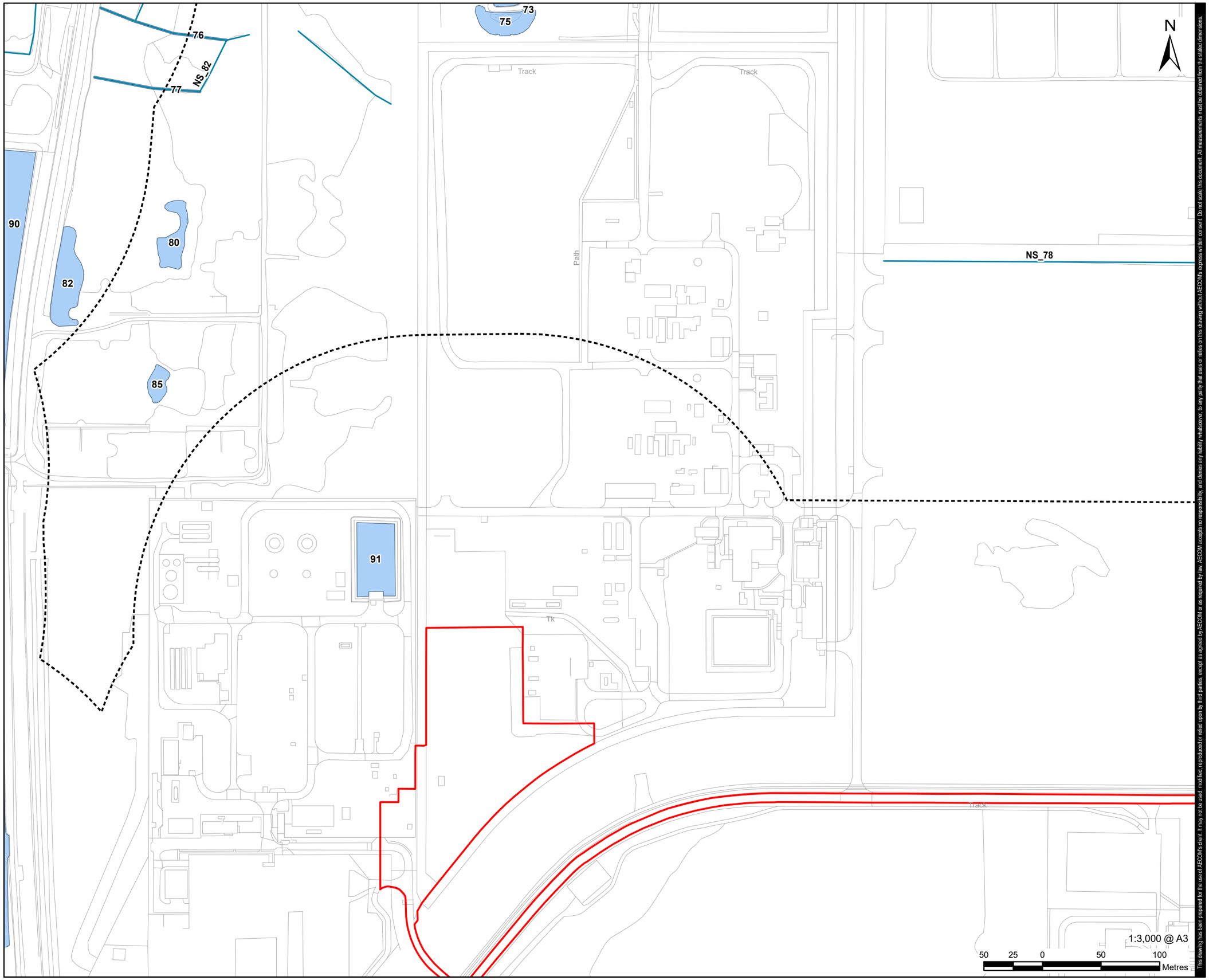
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 21 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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APPLICANT

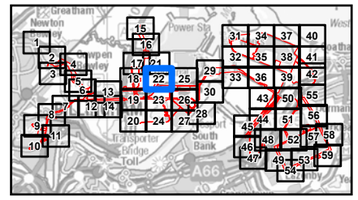
H2 Teesside Limited

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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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Environmental Statement

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FIGURE TITLE

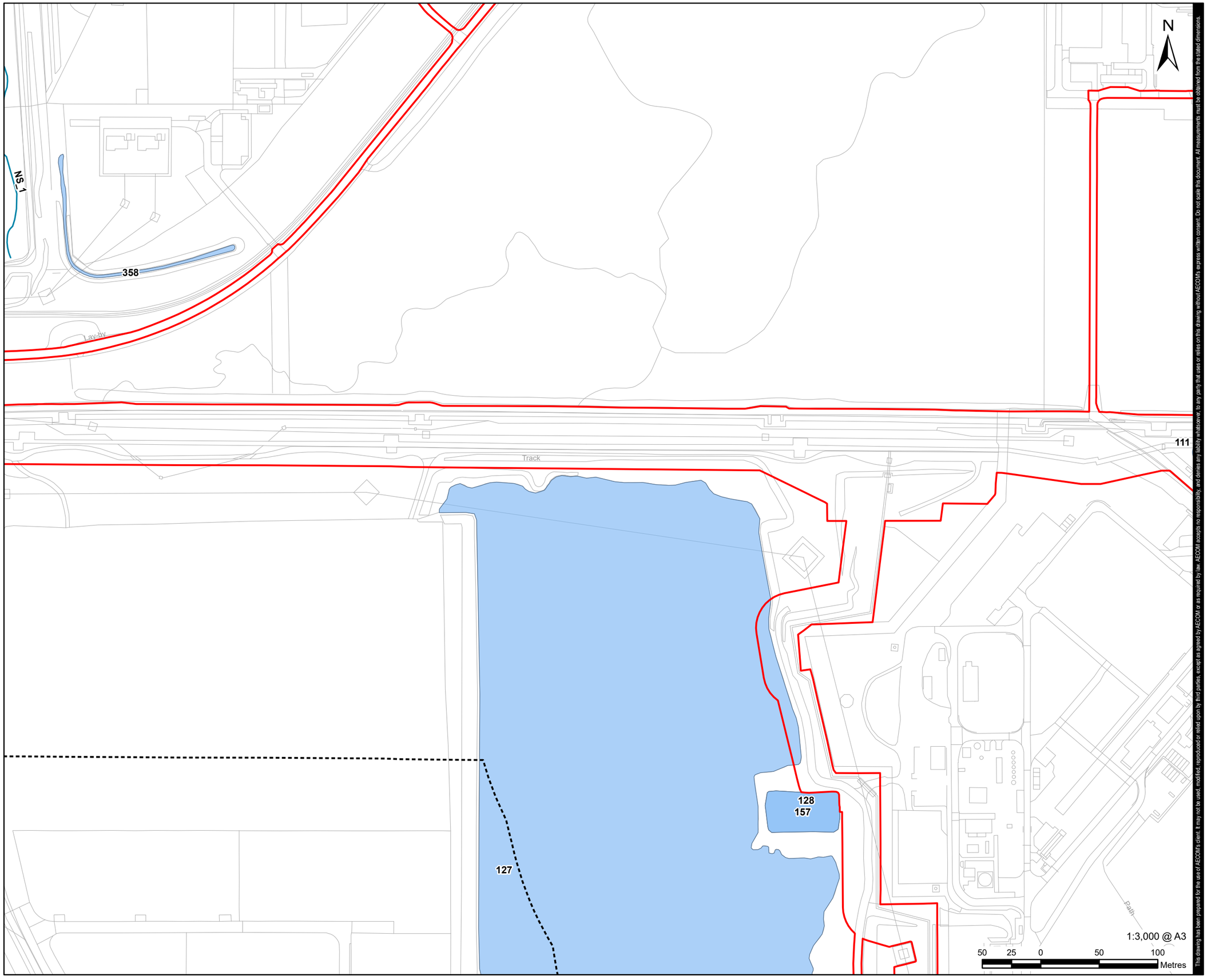
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 22 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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APPLICANT

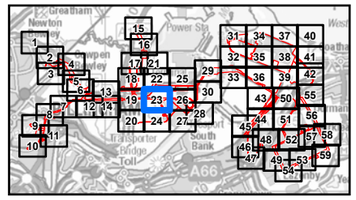
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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FIGURE TITLE

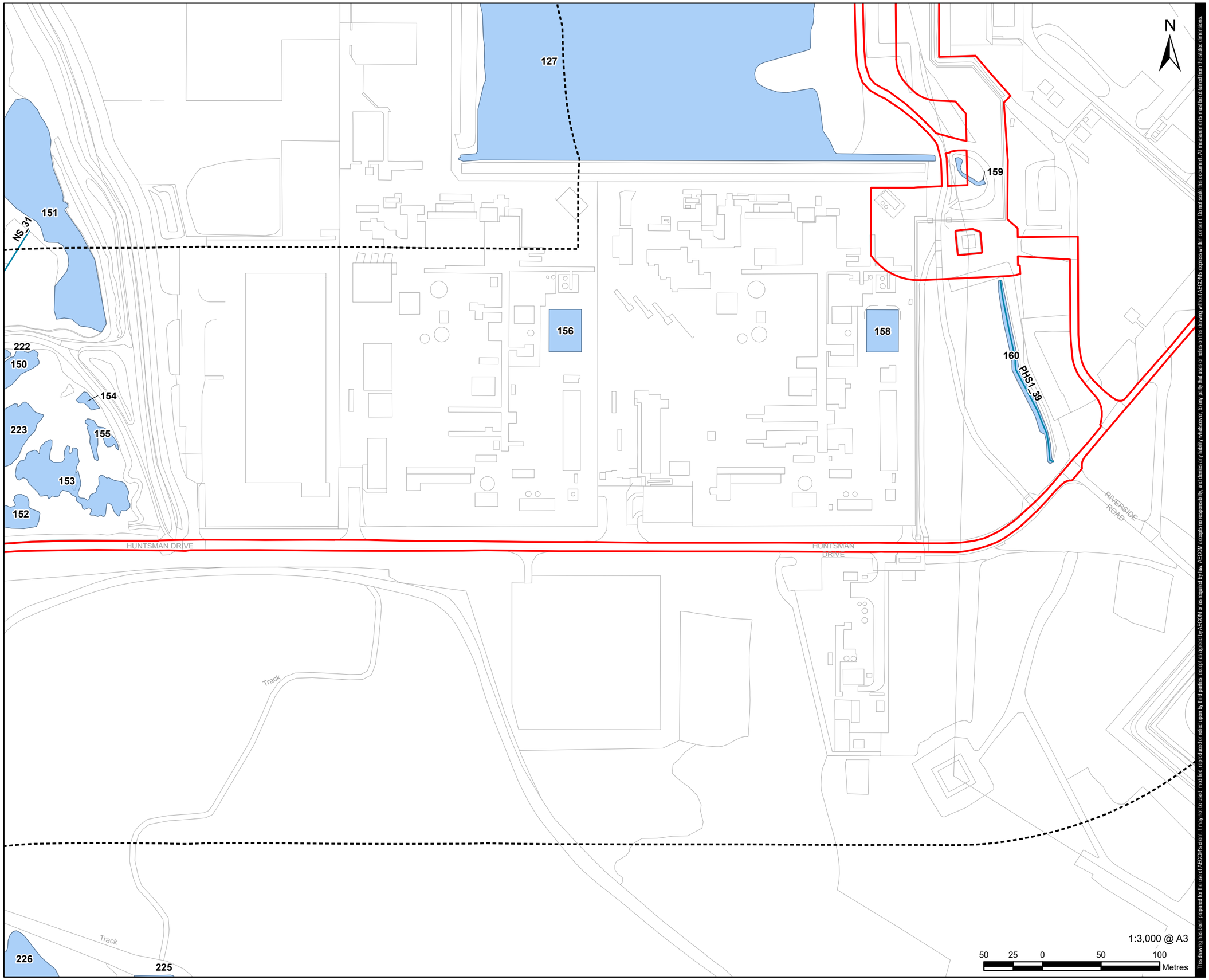
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 23 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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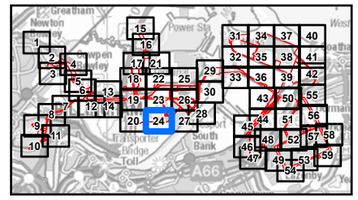
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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FIGURE TITLE

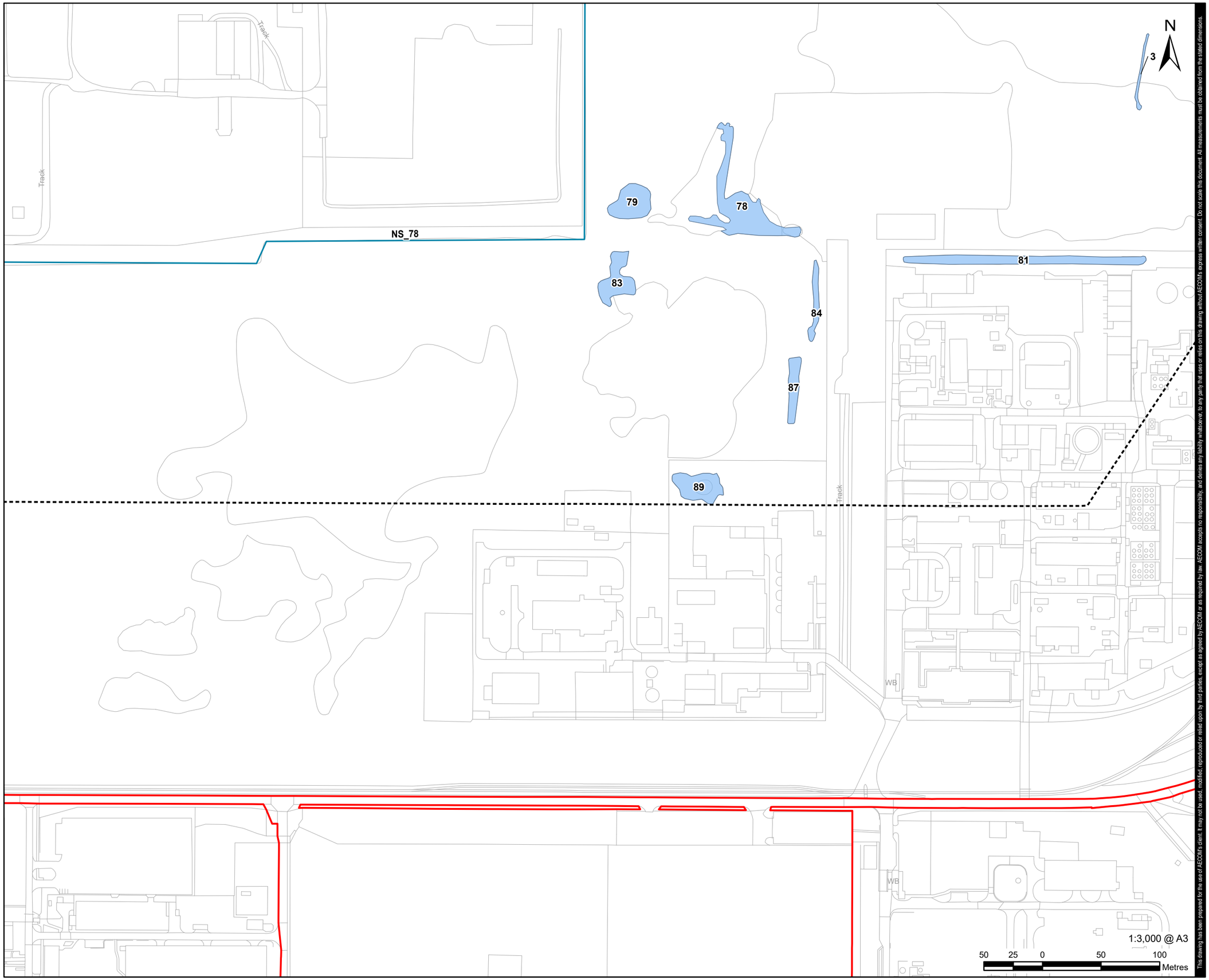
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 24 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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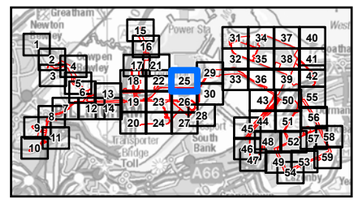
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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PROJECT NUMBER

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FIGURE TITLE

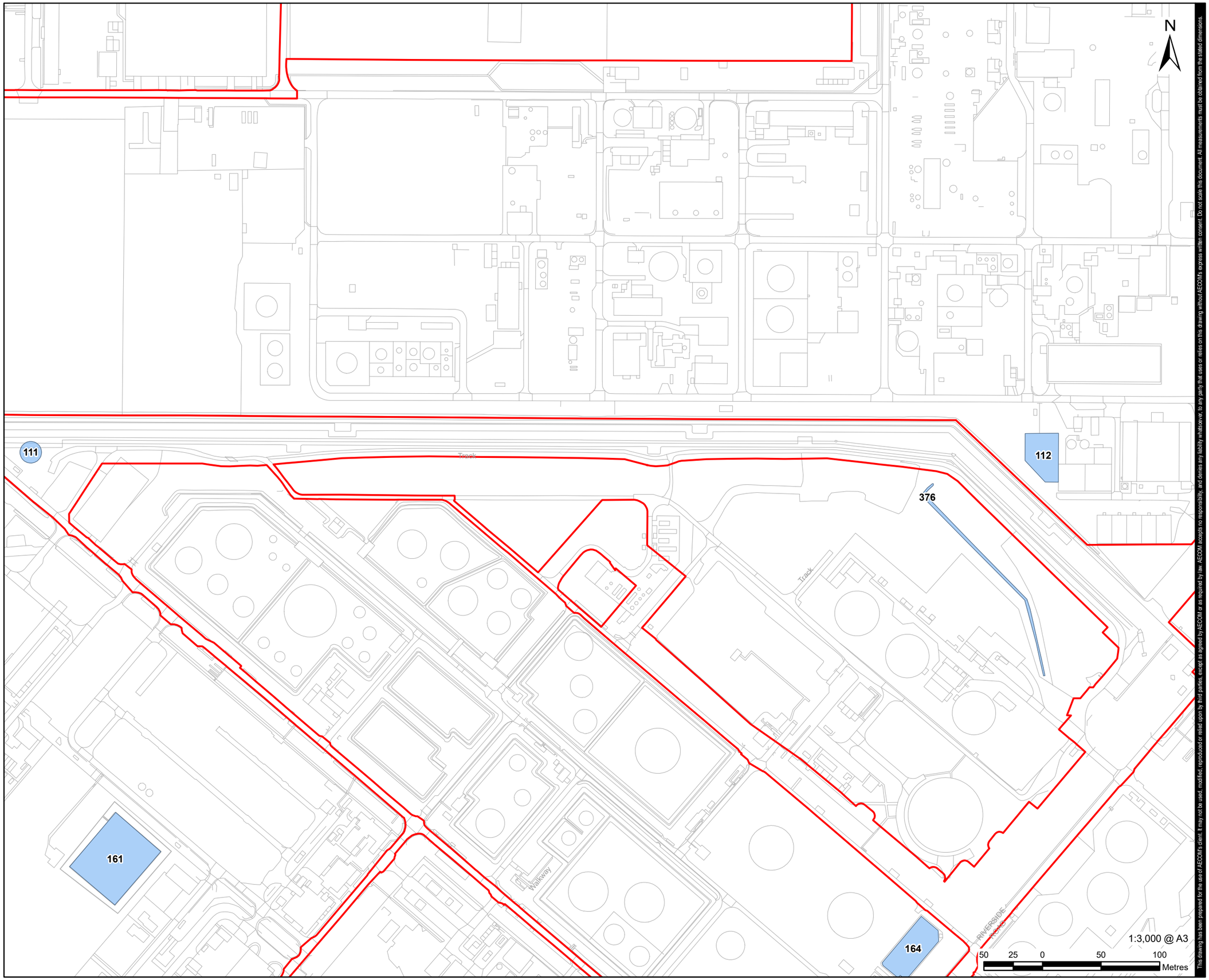
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 25 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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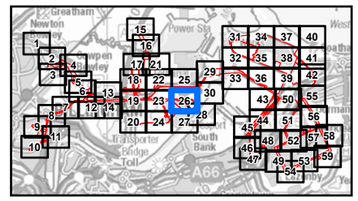
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody Area



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Environmental Statement

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FIGURE TITLE

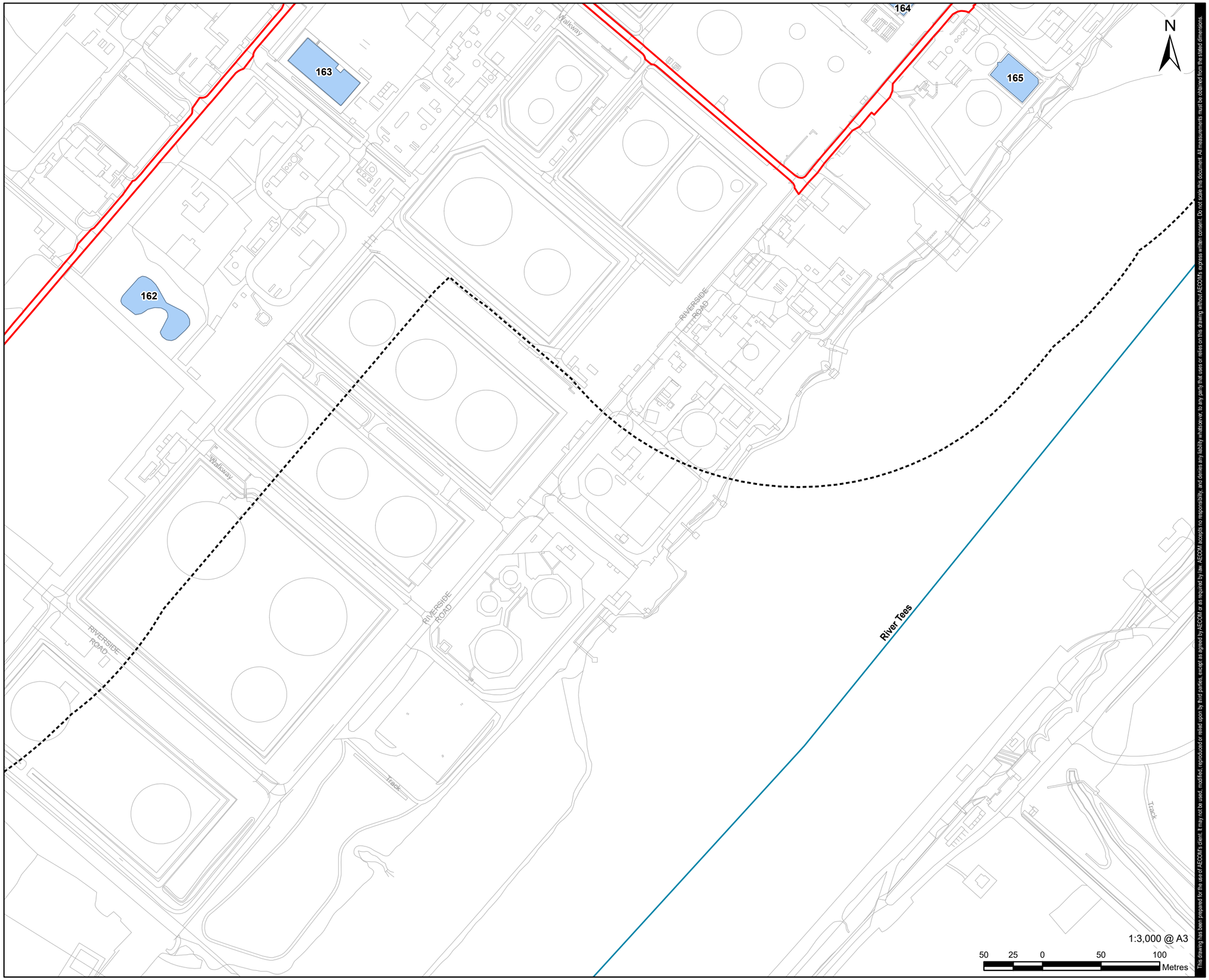
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 26 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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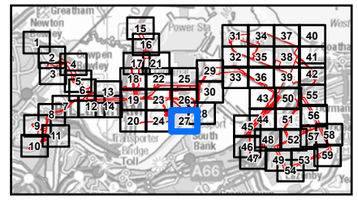
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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PROJECT NUMBER

60689030

FIGURE TITLE

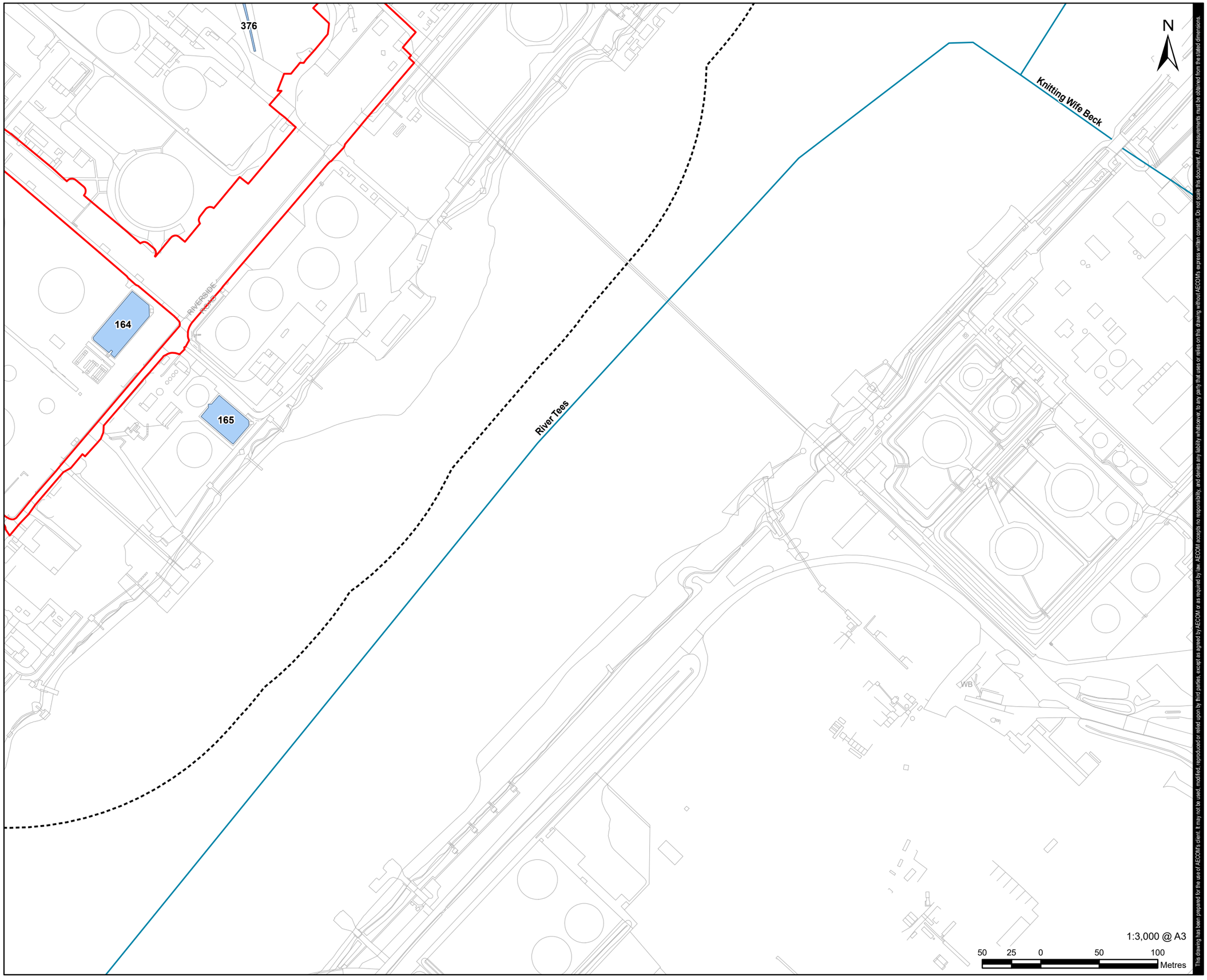
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 27 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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APPLICANT

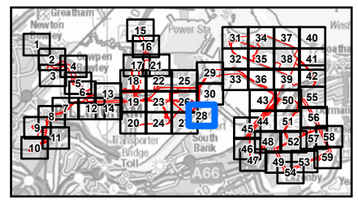
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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PROJECT NUMBER

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FIGURE TITLE

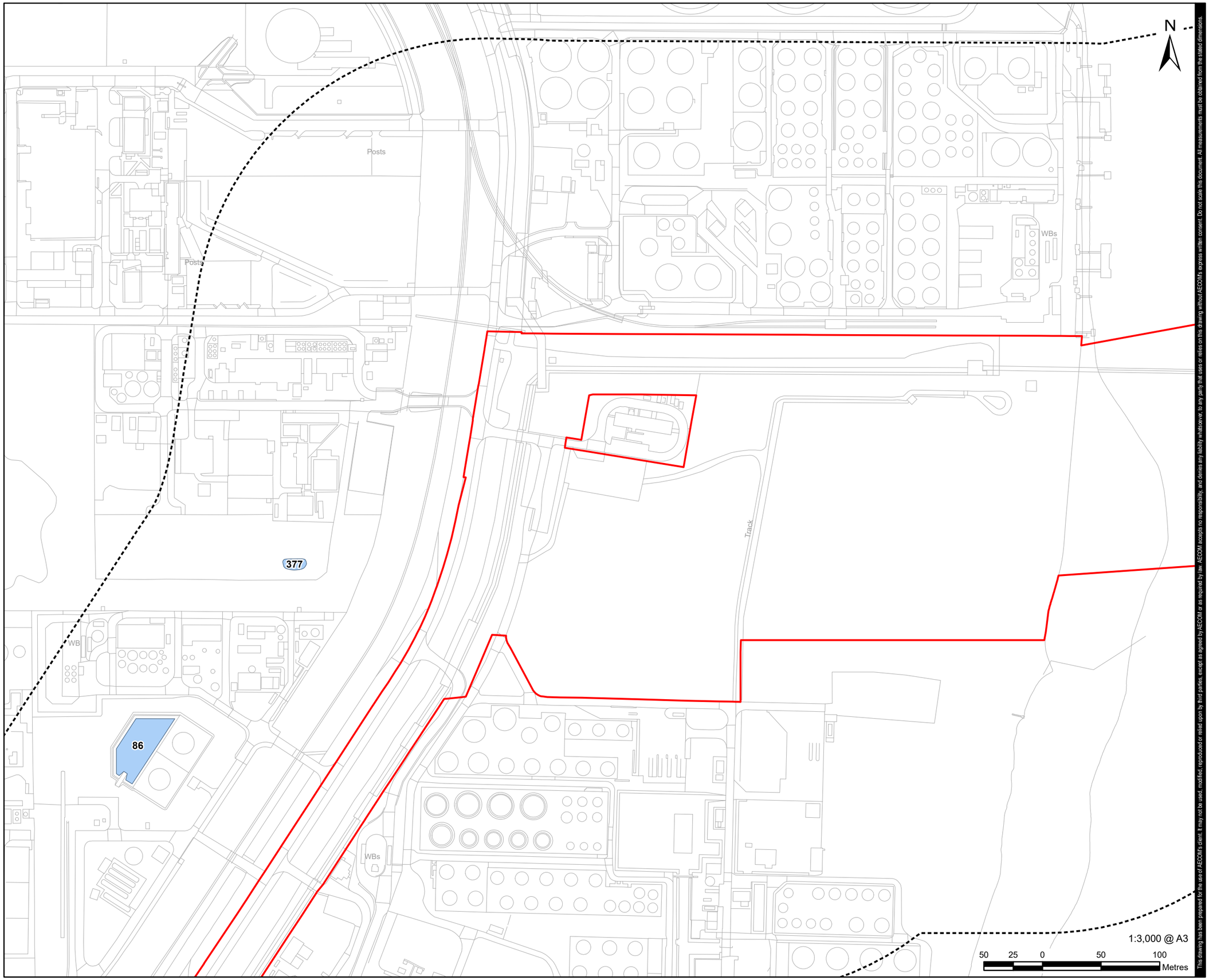
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 28 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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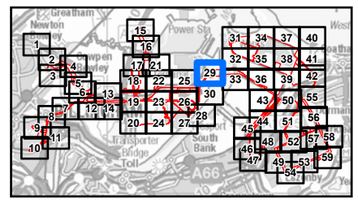
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody Area



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Environmental Statement

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FIGURE TITLE

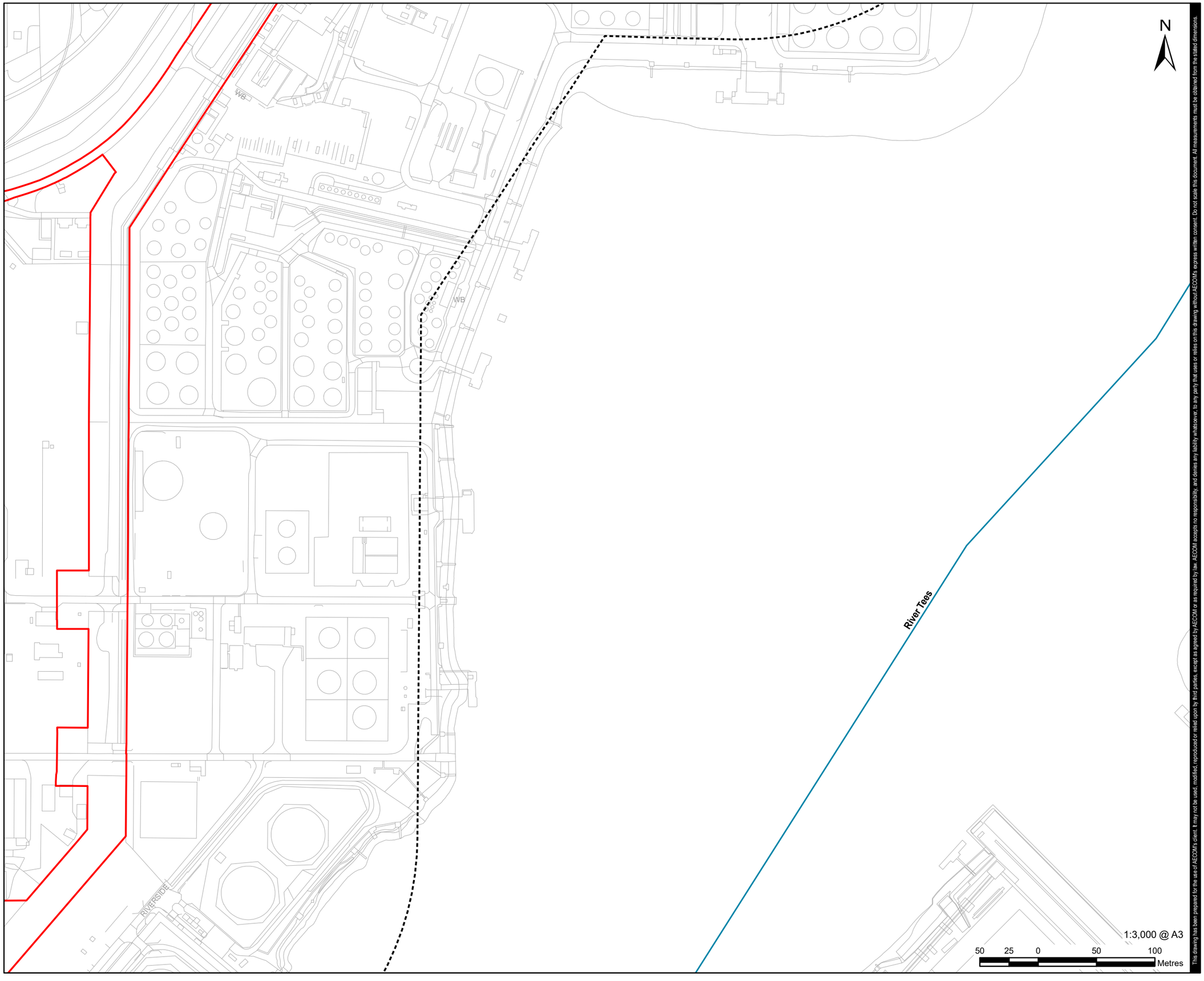
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 29 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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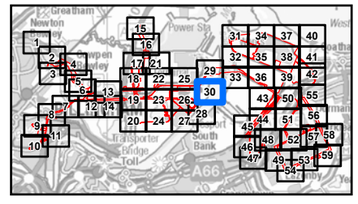
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LEGEND

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FIGURE TITLE

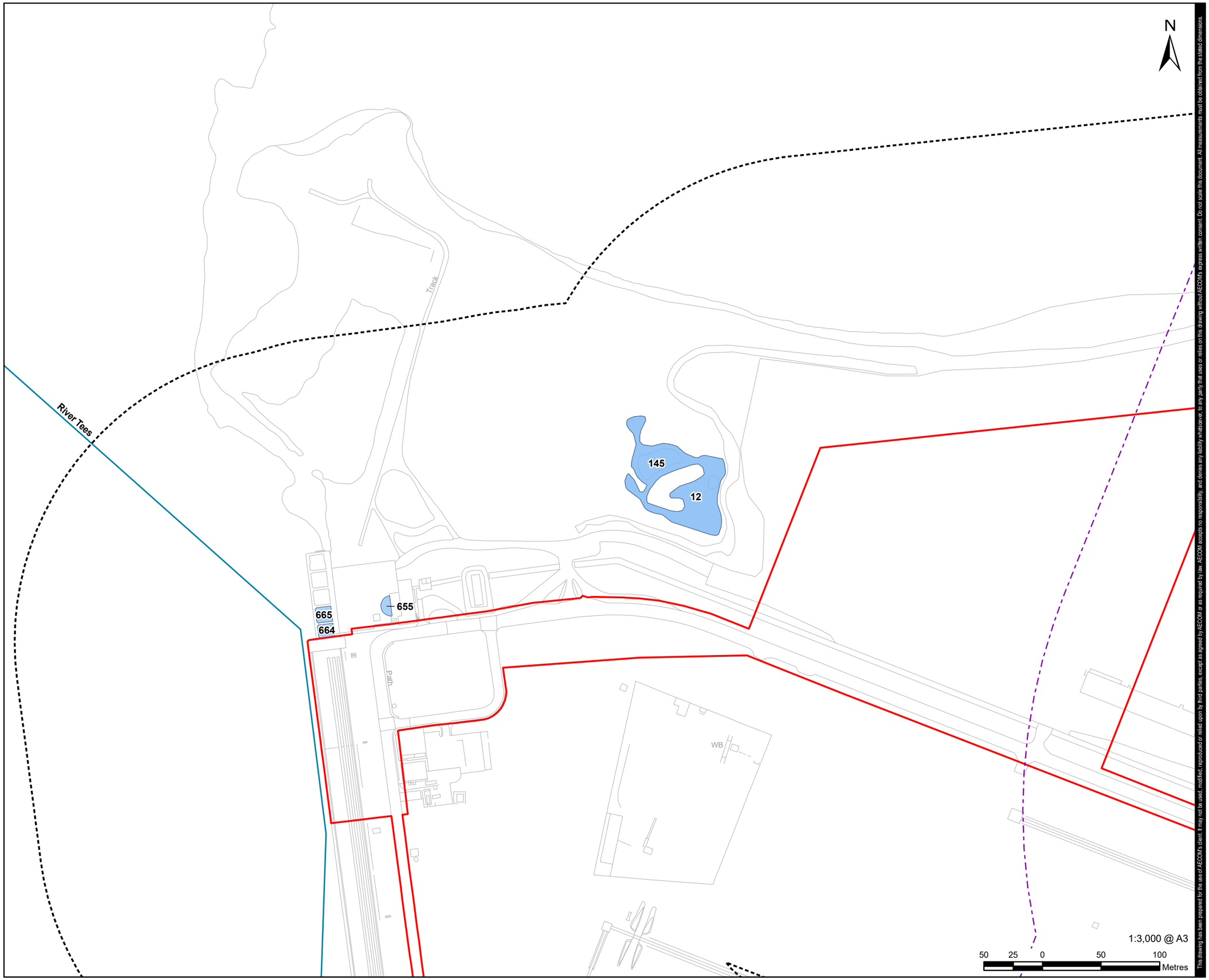
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 30 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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APPLICANT

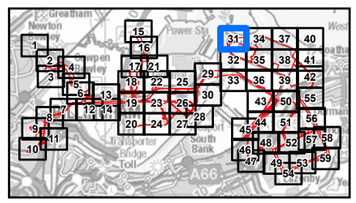
H2 Teesside Limited

CONSULTANT

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100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Main Site - 500 m Buffer
- Waterbody
- Waterbody Area



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Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

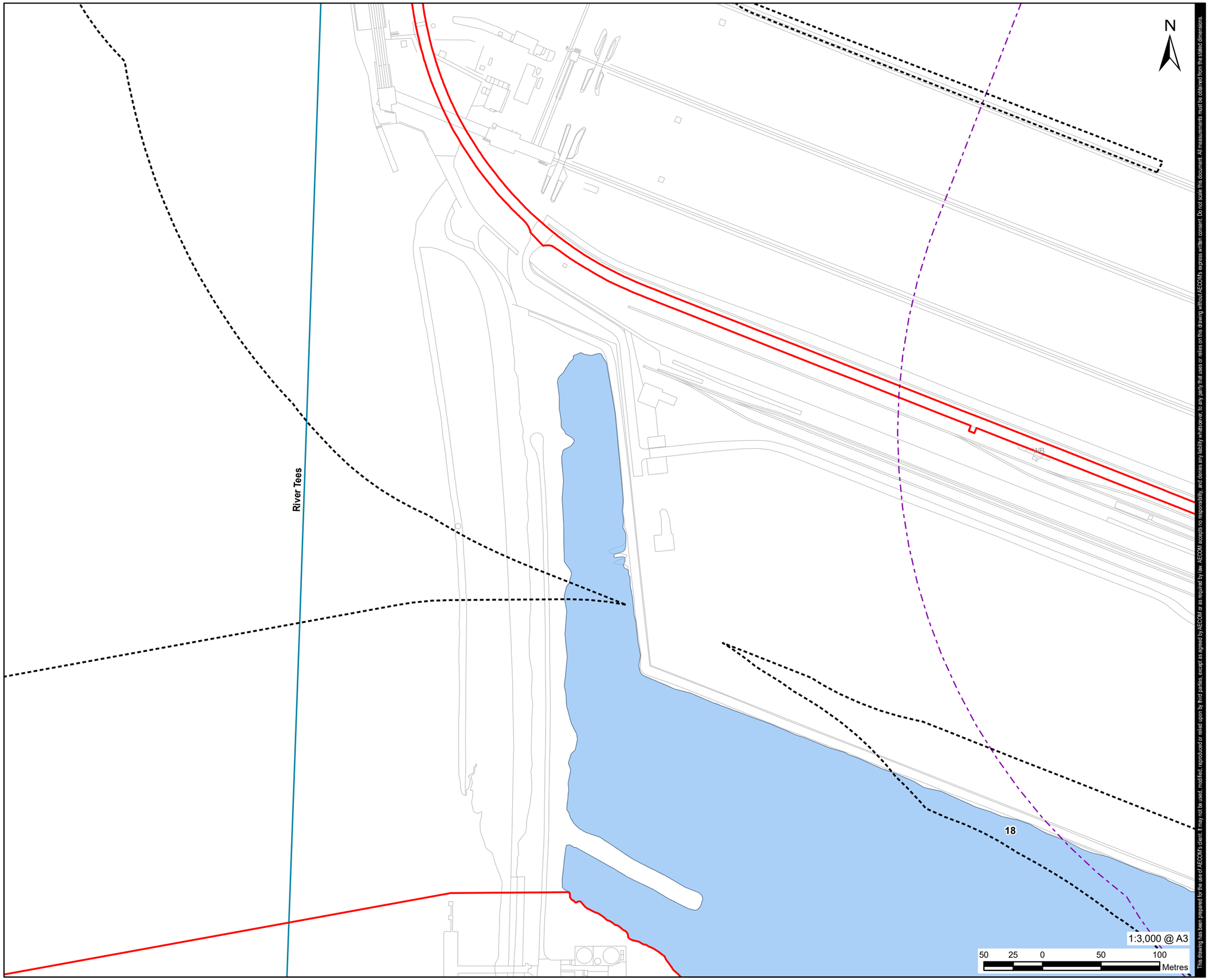
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 31 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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APPLICANT

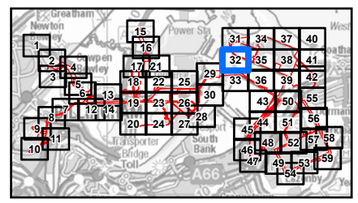
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
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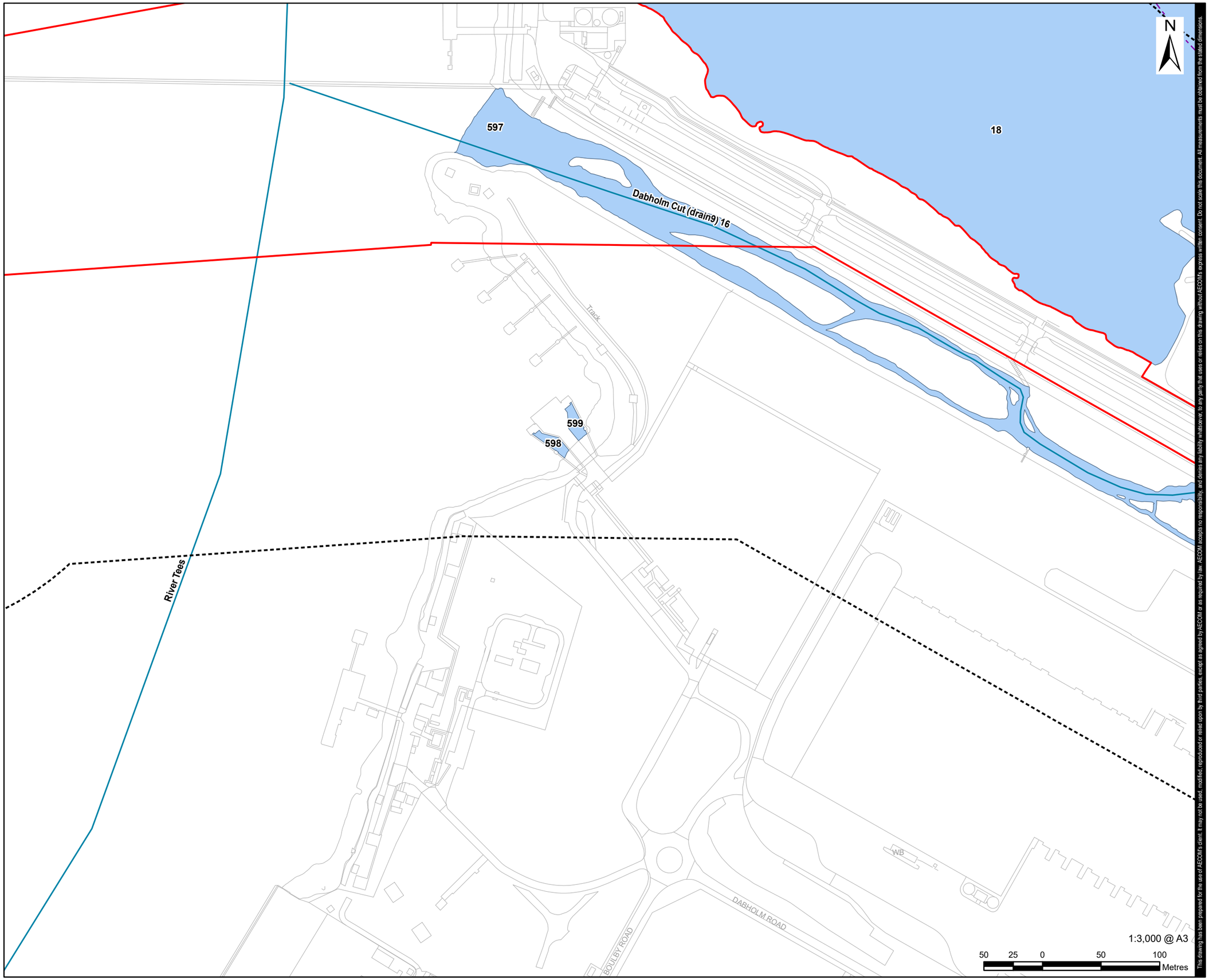
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 32 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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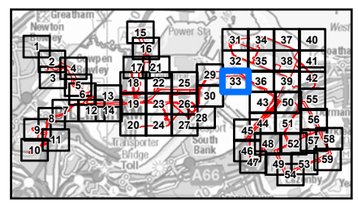
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Main Site - 500 m Buffer
- Waterbody
- Waterbody Area



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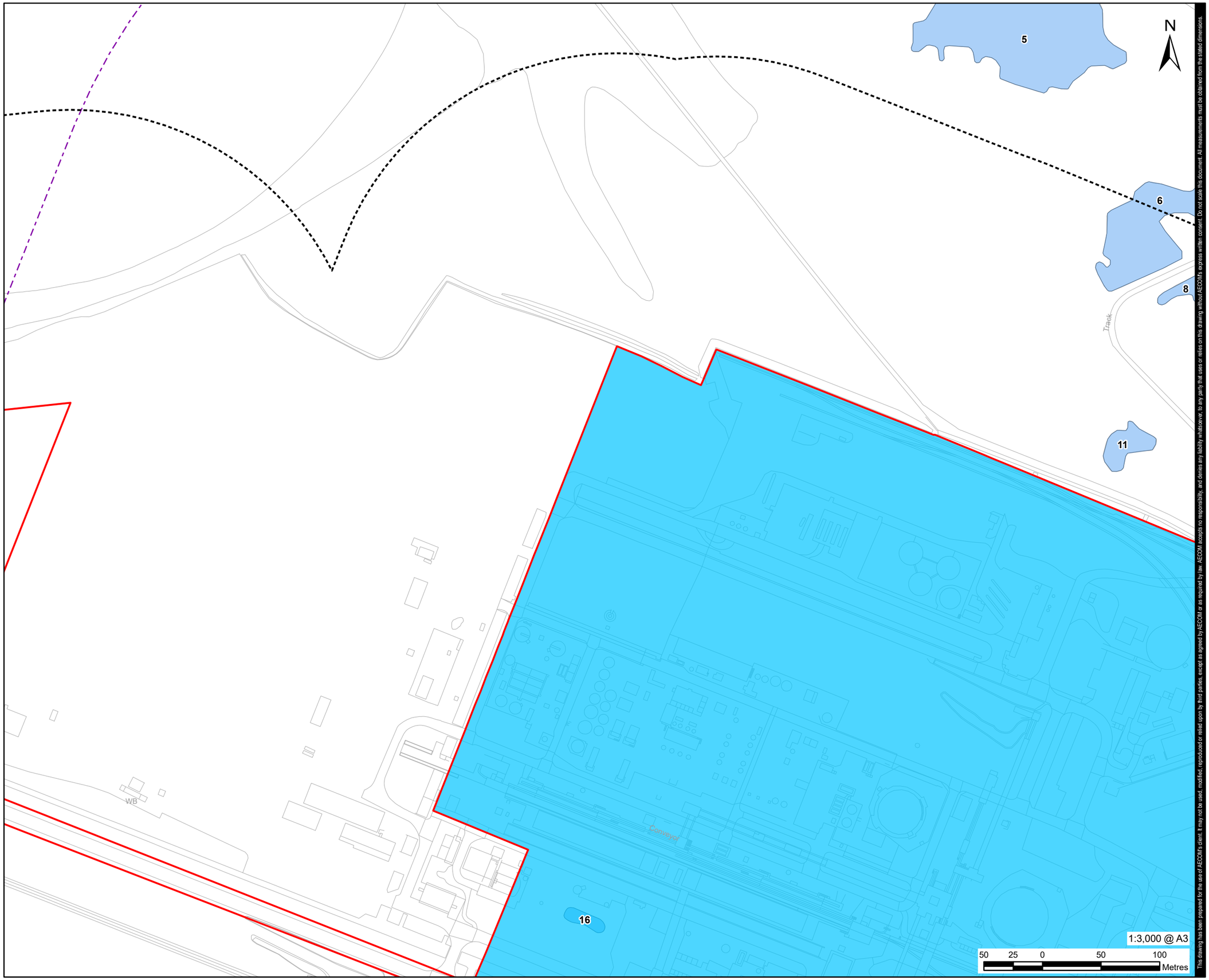
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 33 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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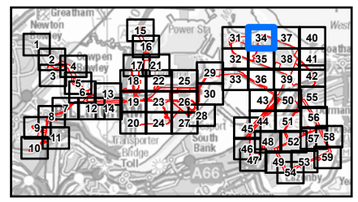
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Main Site
- Main Site - 500 m Buffer
- Waterbody Area



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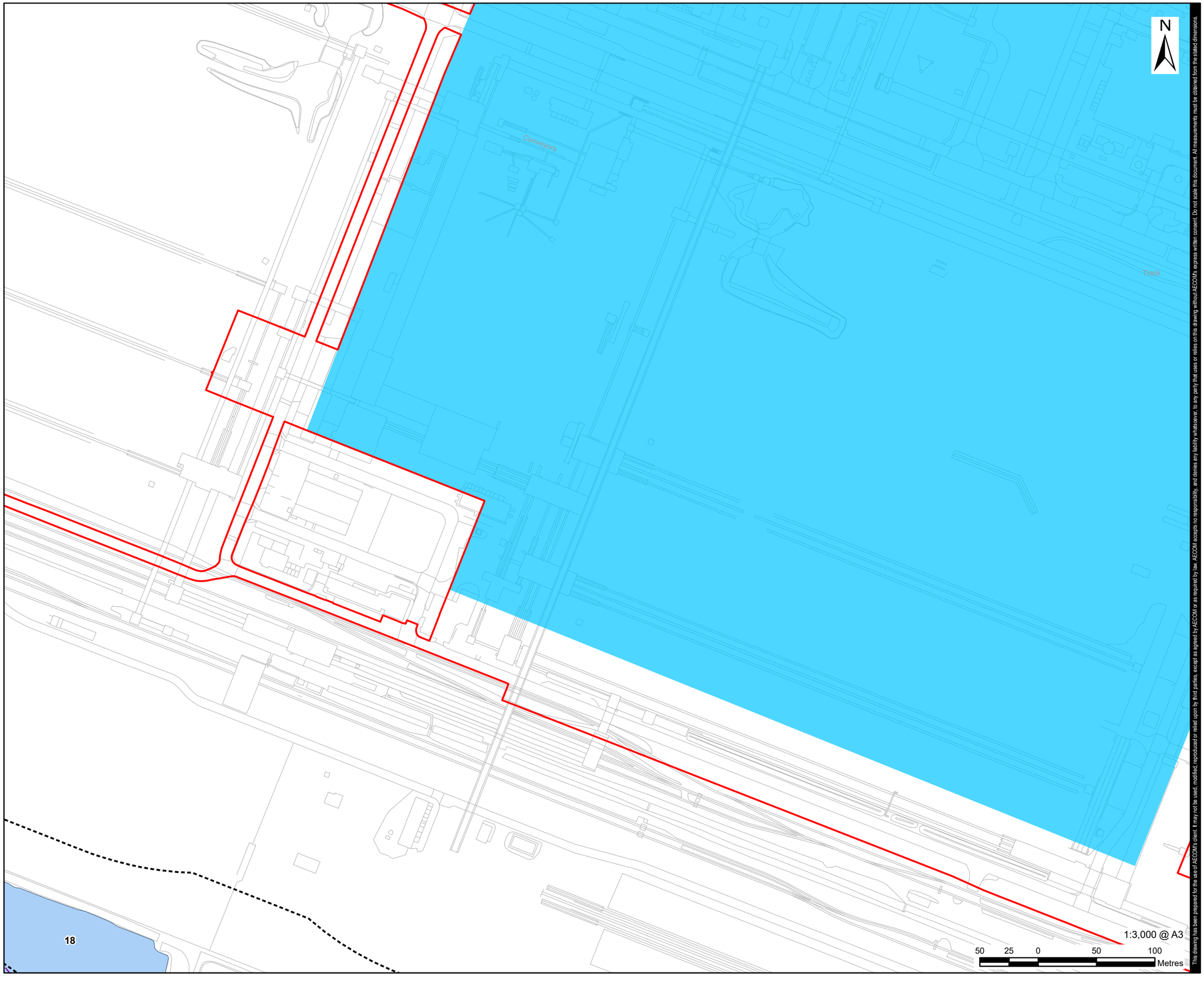
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 34 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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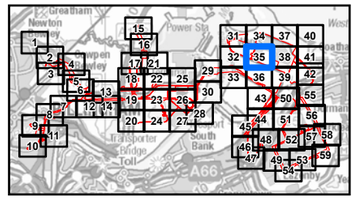
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Main Site
- Main Site - 500 m Buffer
- Waterbody Area



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Environmental Statement

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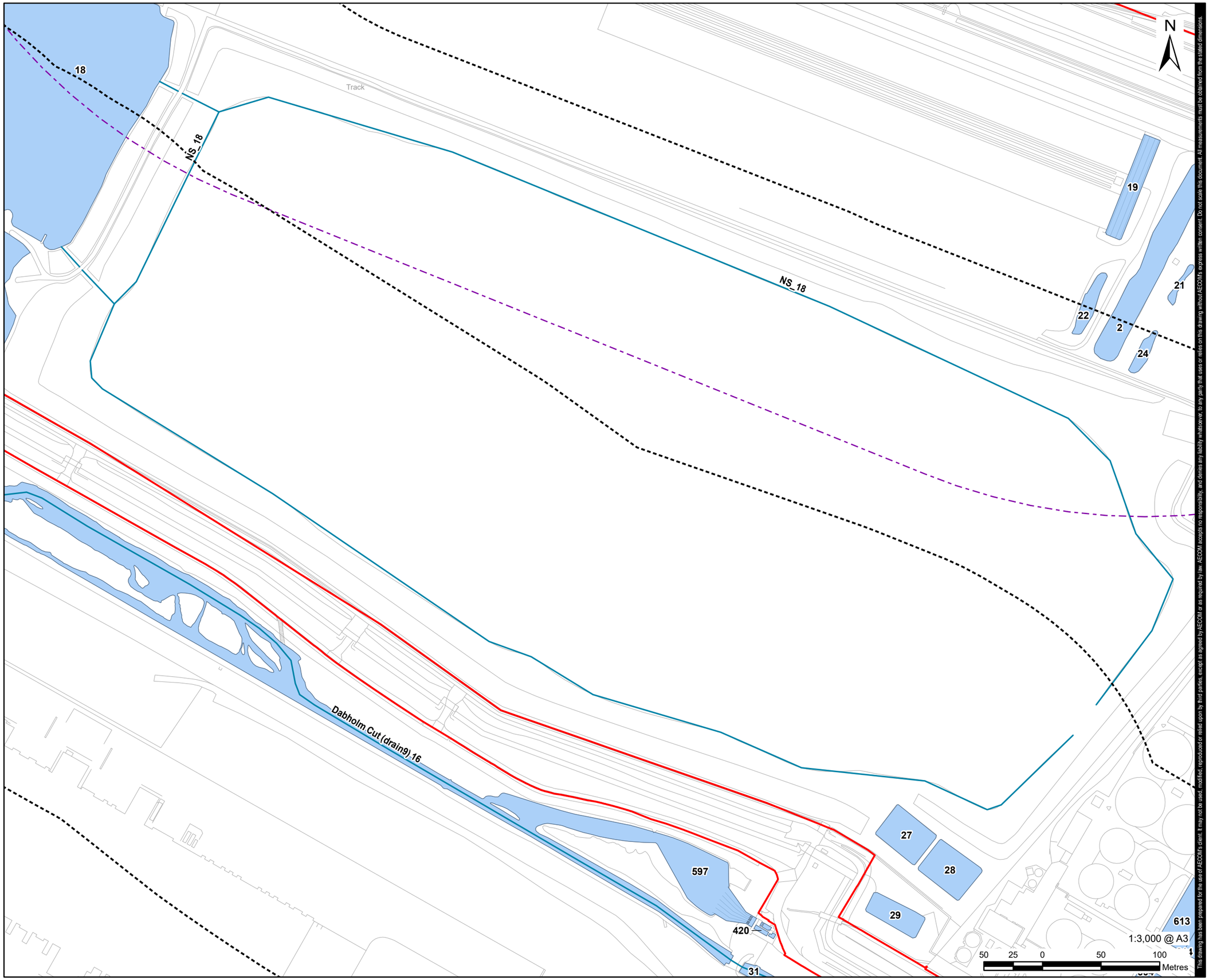
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 35 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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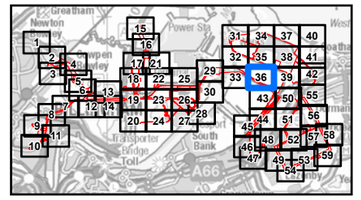
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Main Site - 500 m Buffer
- Waterbody
- Waterbody Area



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Environmental Statement

PROJECT NUMBER

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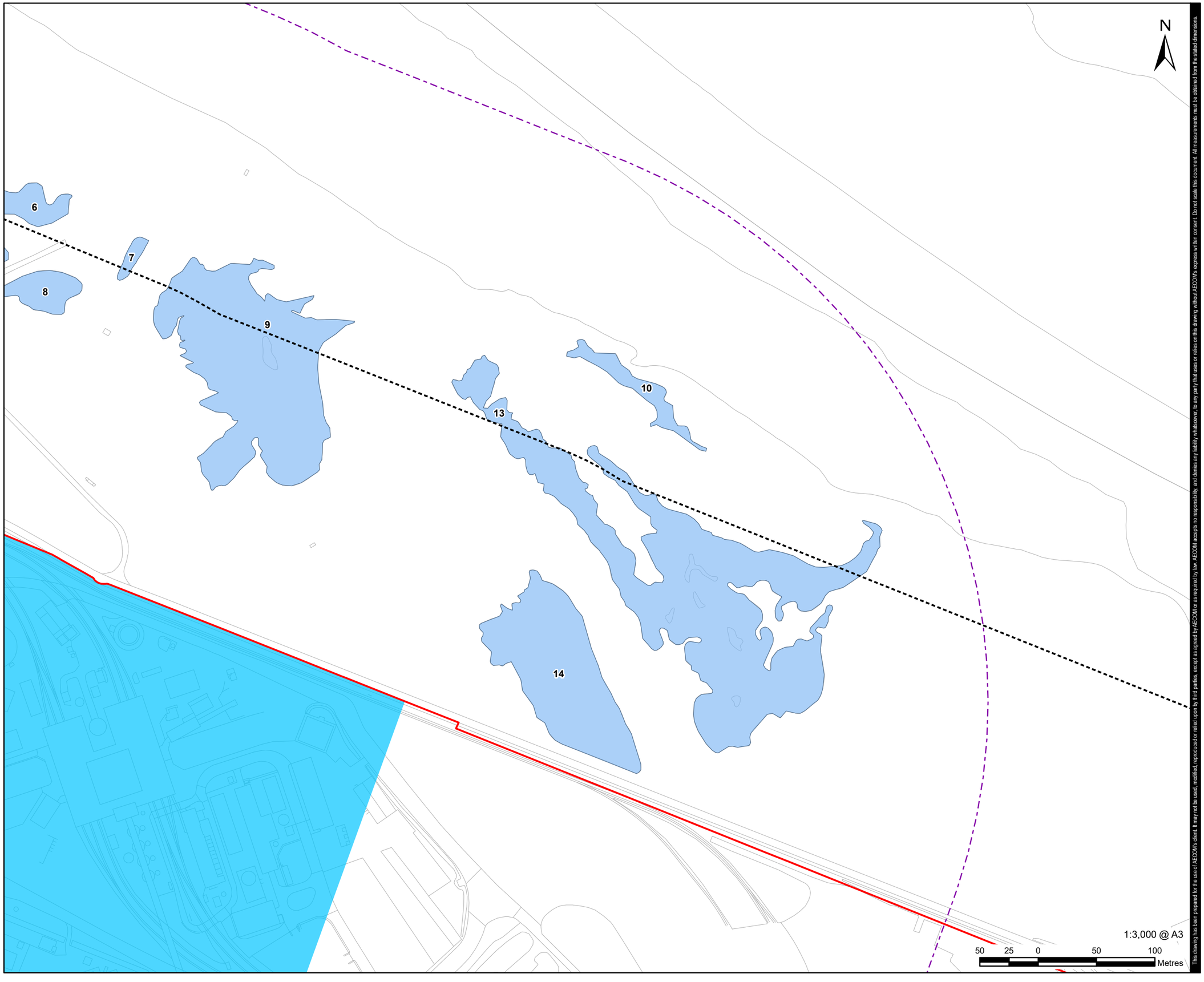
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 36 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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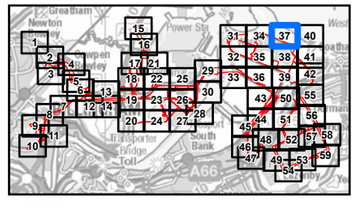
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Main Site
- Main Site - 500 m Buffer
- Waterbody Area



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Environmental Statement

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FIGURE TITLE

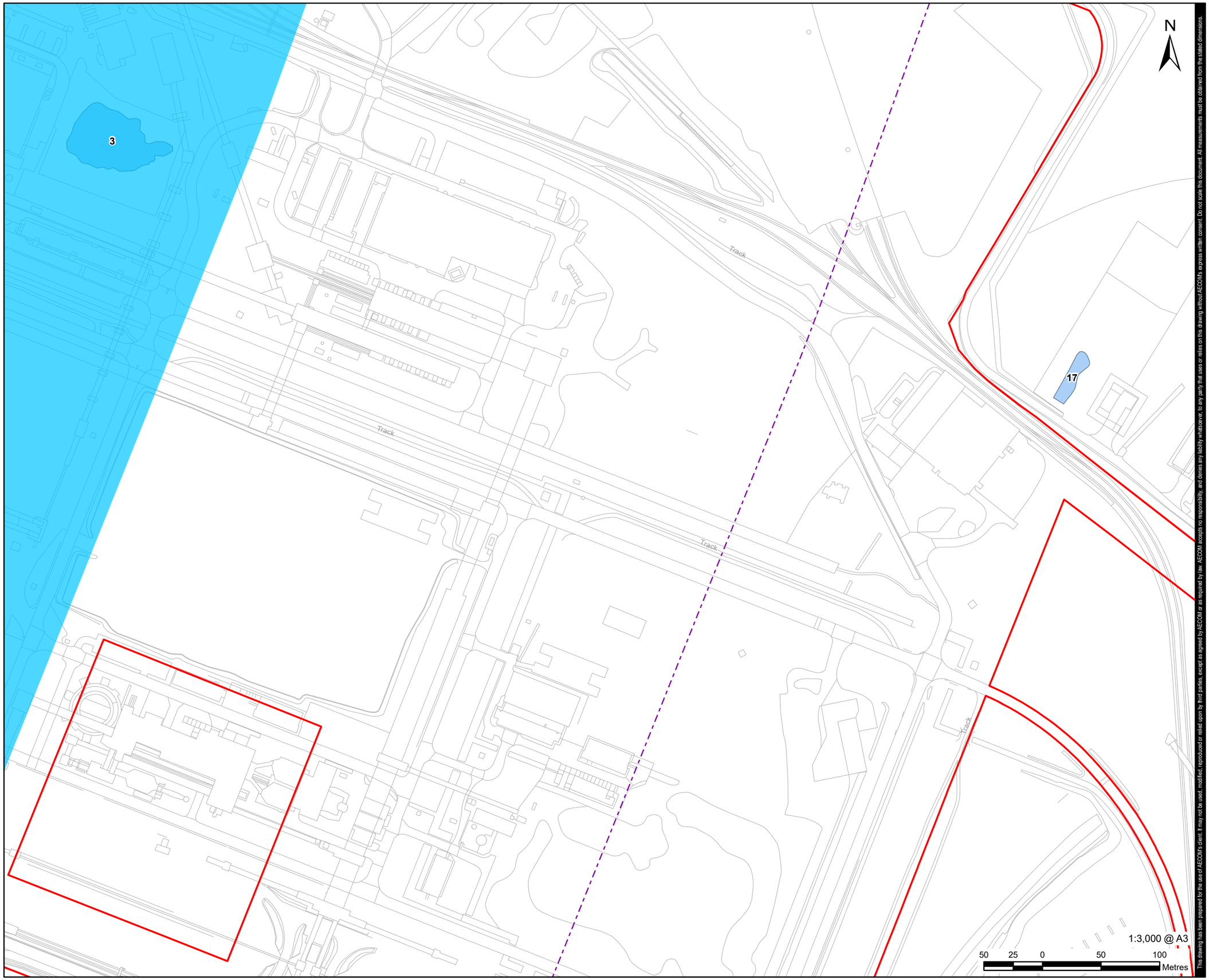
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 37 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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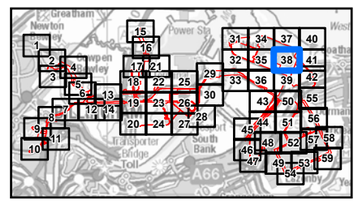
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LEGEND

- Proposed Development Site
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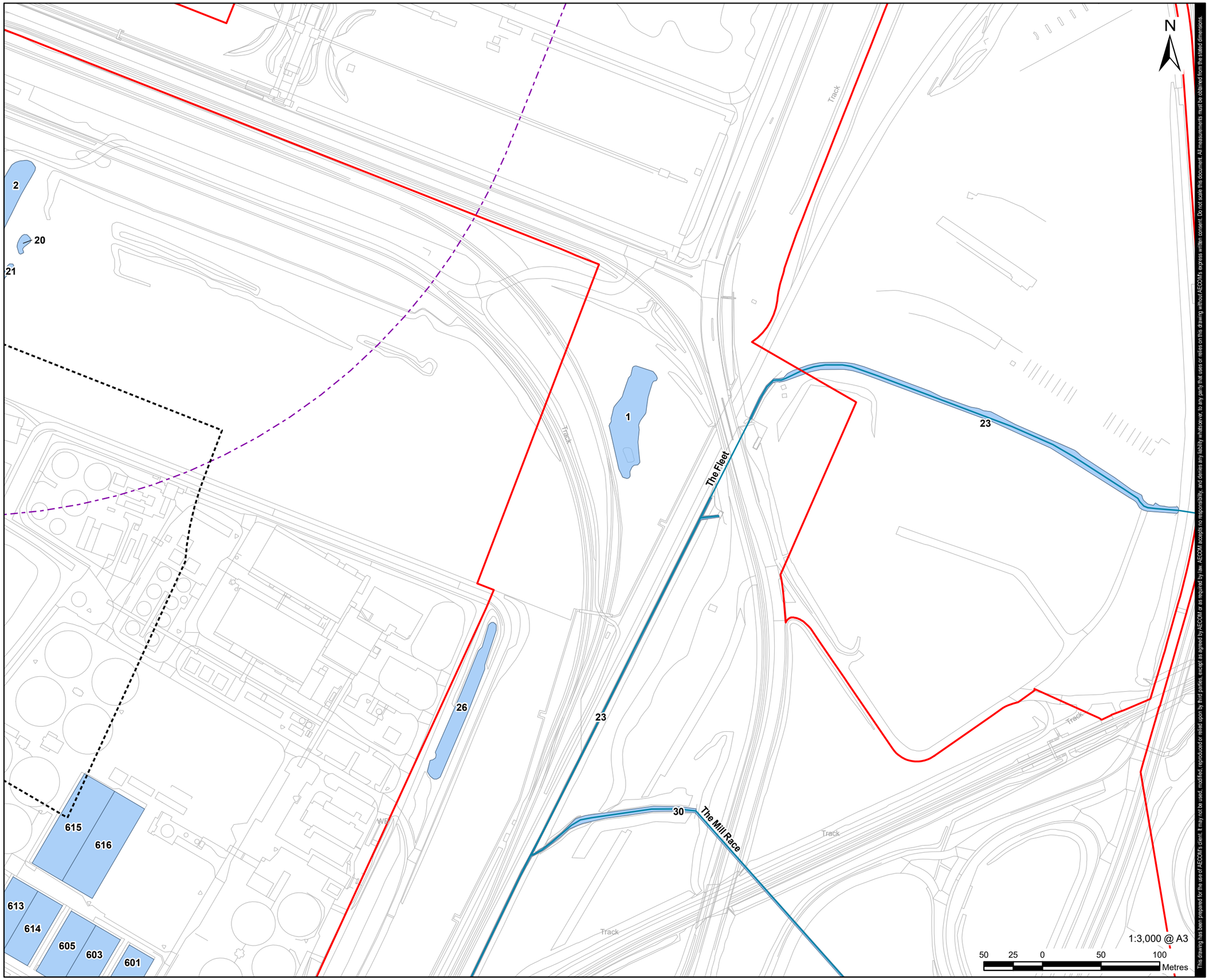
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 38 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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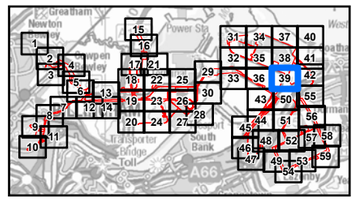
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LEGEND

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ISSUE PURPOSE

Environmental Statement

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FIGURE TITLE

The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 39 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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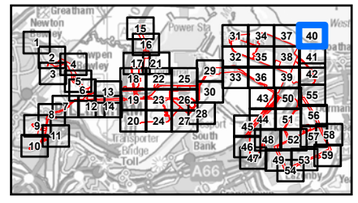
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LEGEND

Proposed Development Site - 250 m Buffer

Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 40 of 59)

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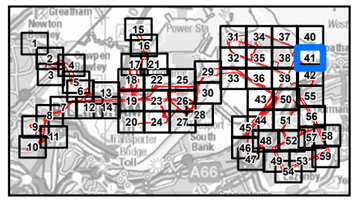
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LEGEND

- Proposed Development Site
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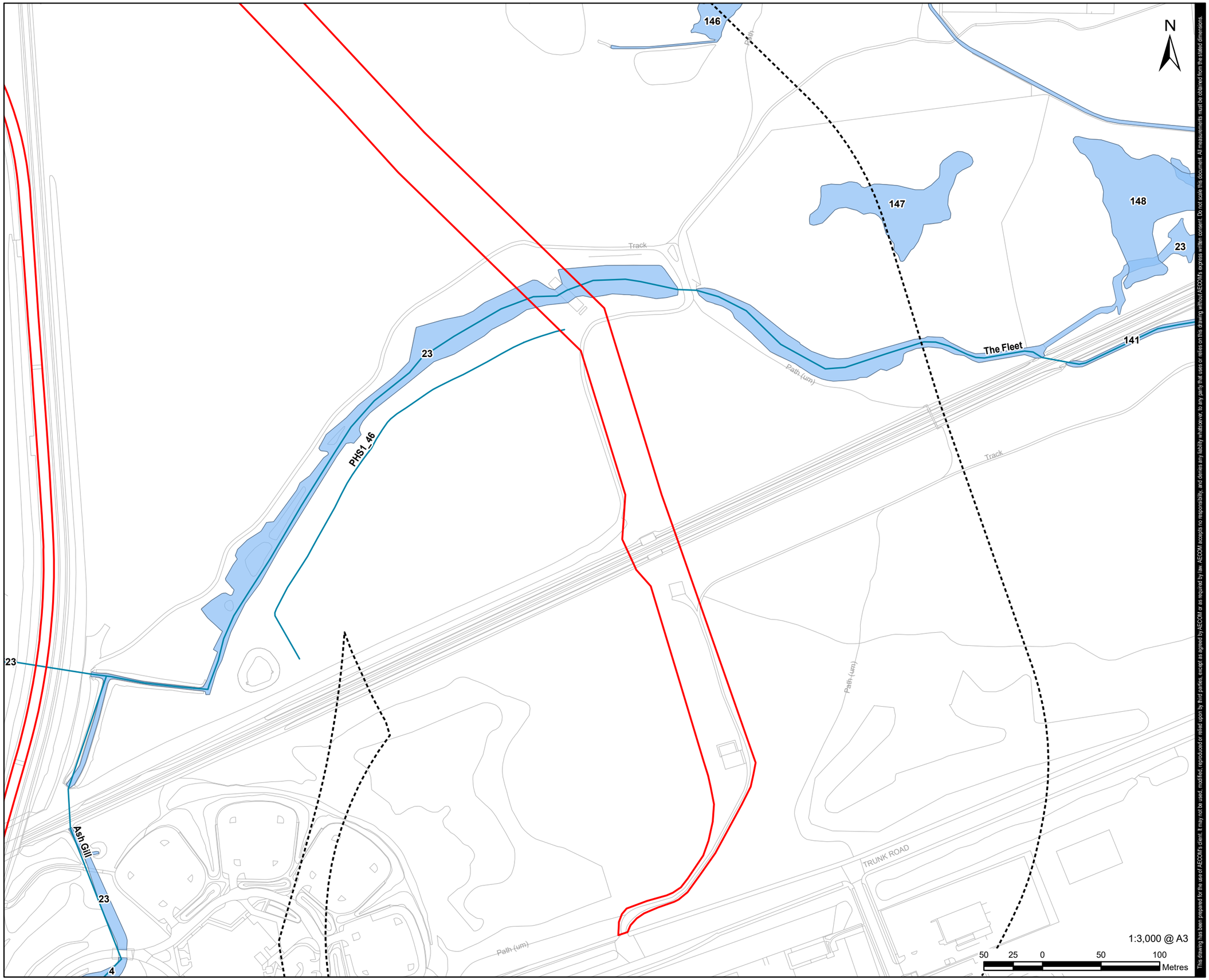
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FIGURE NUMBER

Figure 12-A-6 (Sheet 41 of 59)

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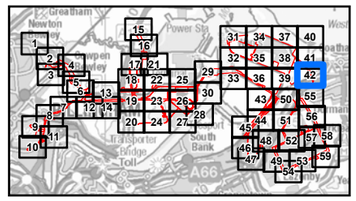
H2 Teesside Limited

CONSULTANT

AECOM Limited
100 Embankment,
Cathedral Approach,
Manchester, M3 7FB
www.aecom.com

LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

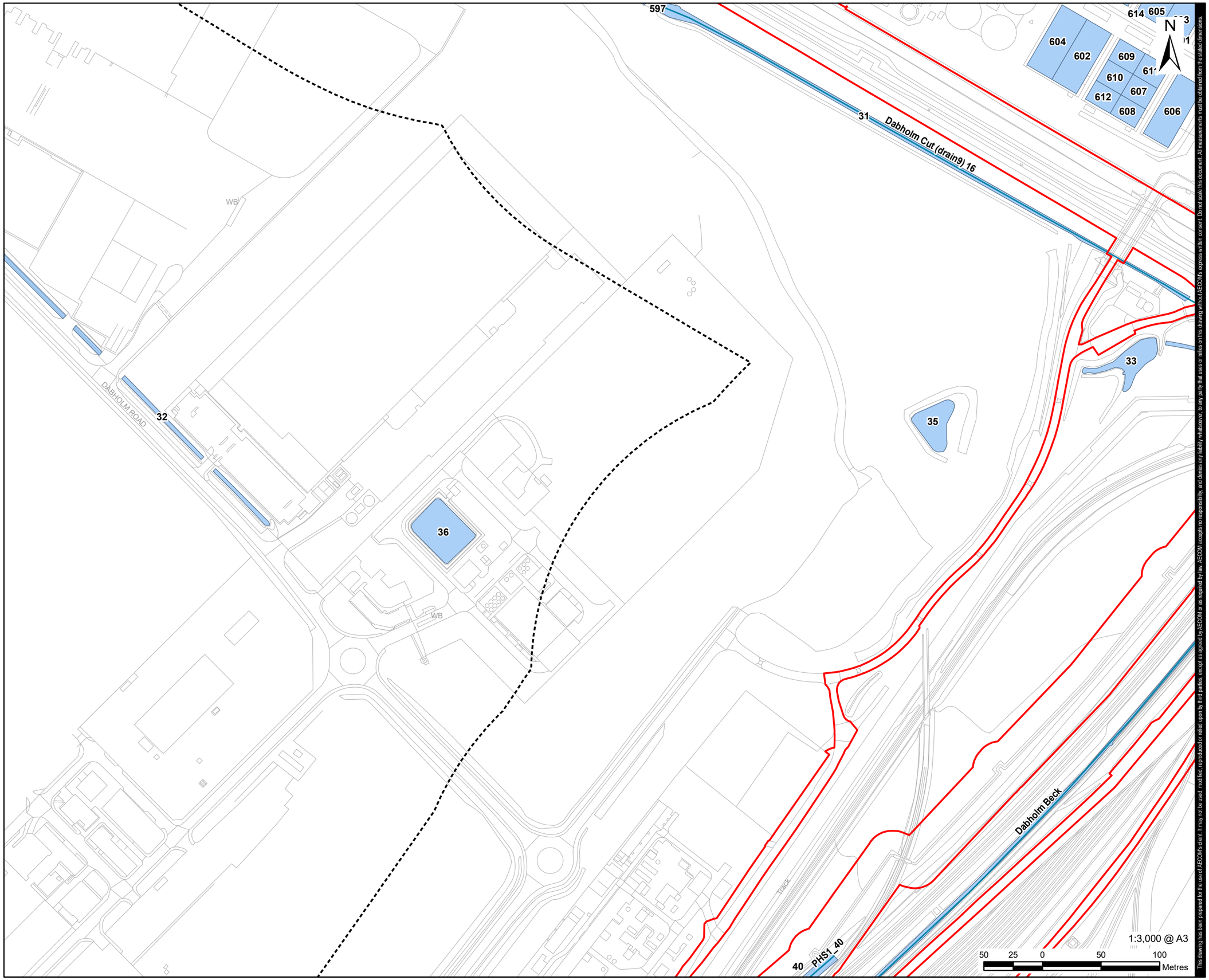
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 42 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\fs\EMEA\Bristol-UKBRI2\Legacy\UKBRI2FP001\VOL1\BE\Projects\Environmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside ES\H2Teesside_ES_Ecology\PEA.aprx



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AECOM

PROJECT

H2Teesside DCO

APPLICANT

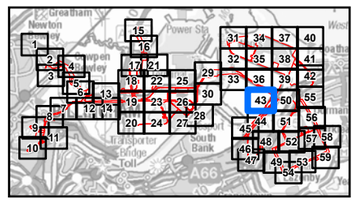
H2 Teesside Limited

CONSULTANT

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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

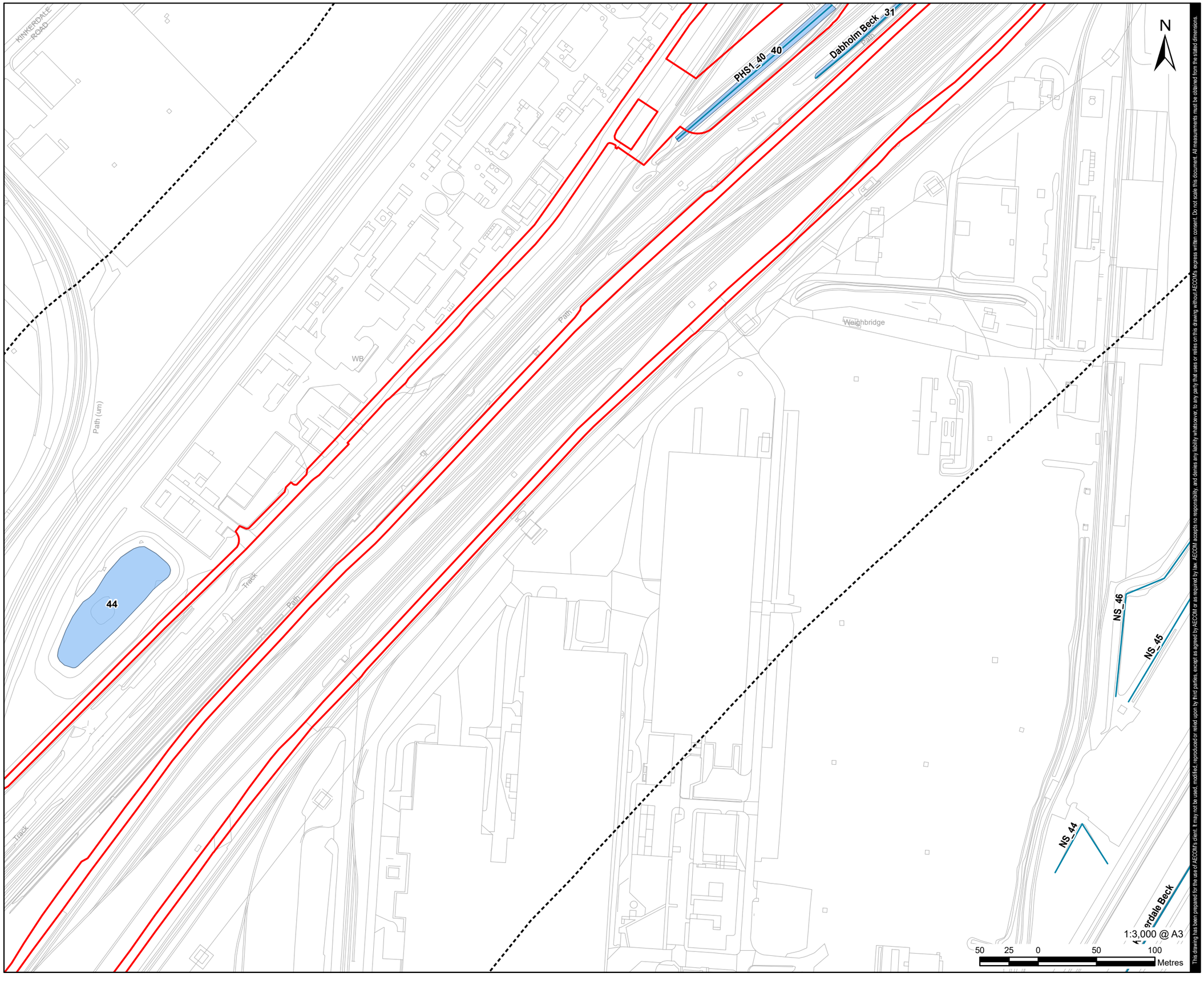
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 43 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

Filename: \\na.aecomnet.com\ifs\EMEA\Bristol-UKBRI2\Legacy\UKBRI2FP001\VOL1BE\Projects\Environmental\General\GIS\Projects\H2 Teesside\02_Maps\H2Teesside ES\H2Teesside_ES_Ecology\PEA.aprx



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APPLICANT

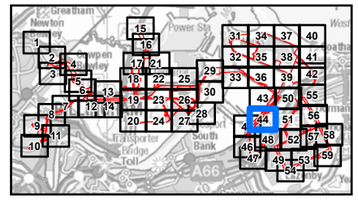
H2 Teesside Limited

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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

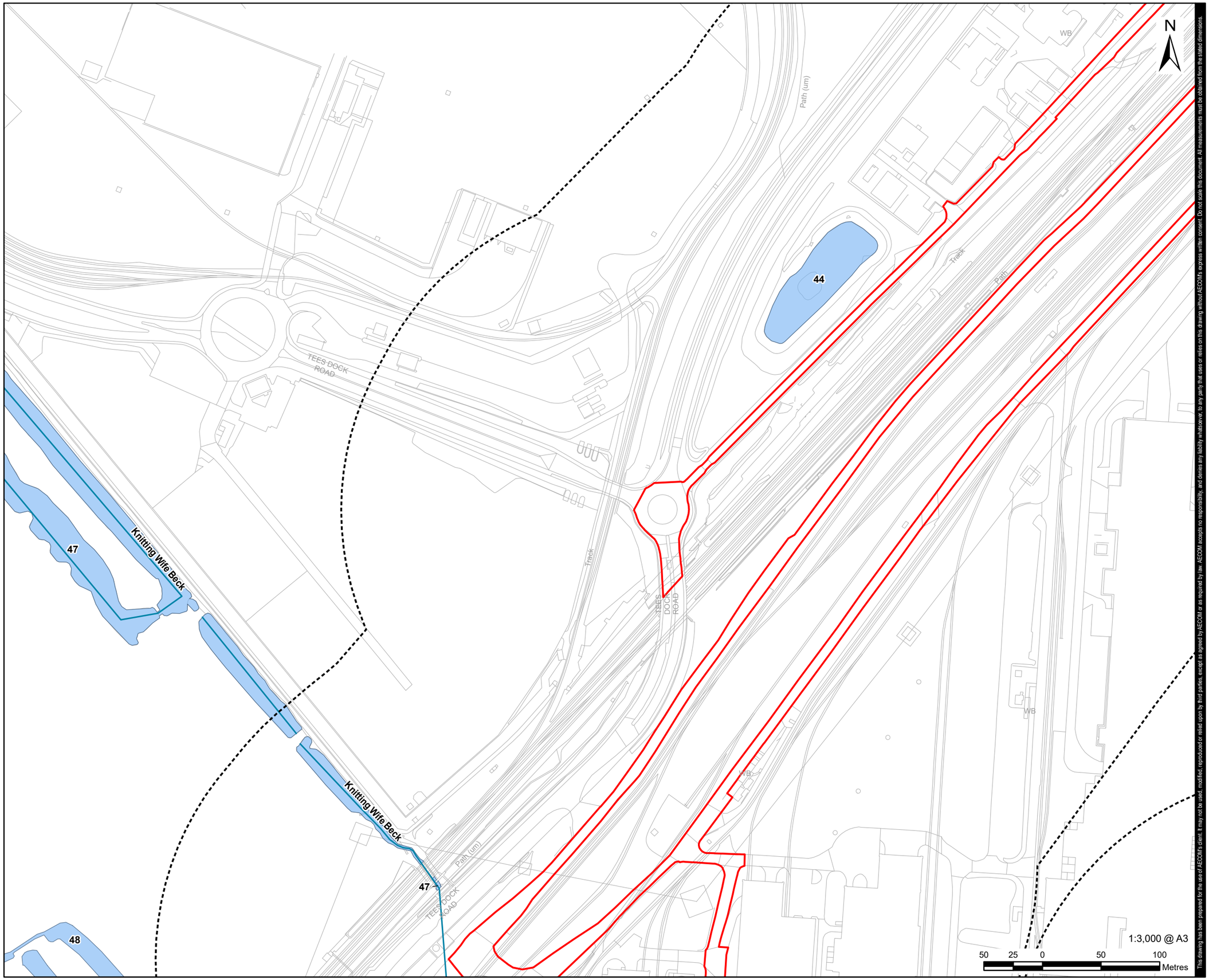
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 44 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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APPLICANT

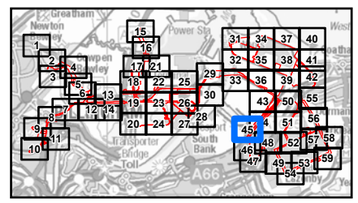
H2 Teesside Limited

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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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FIGURE TITLE

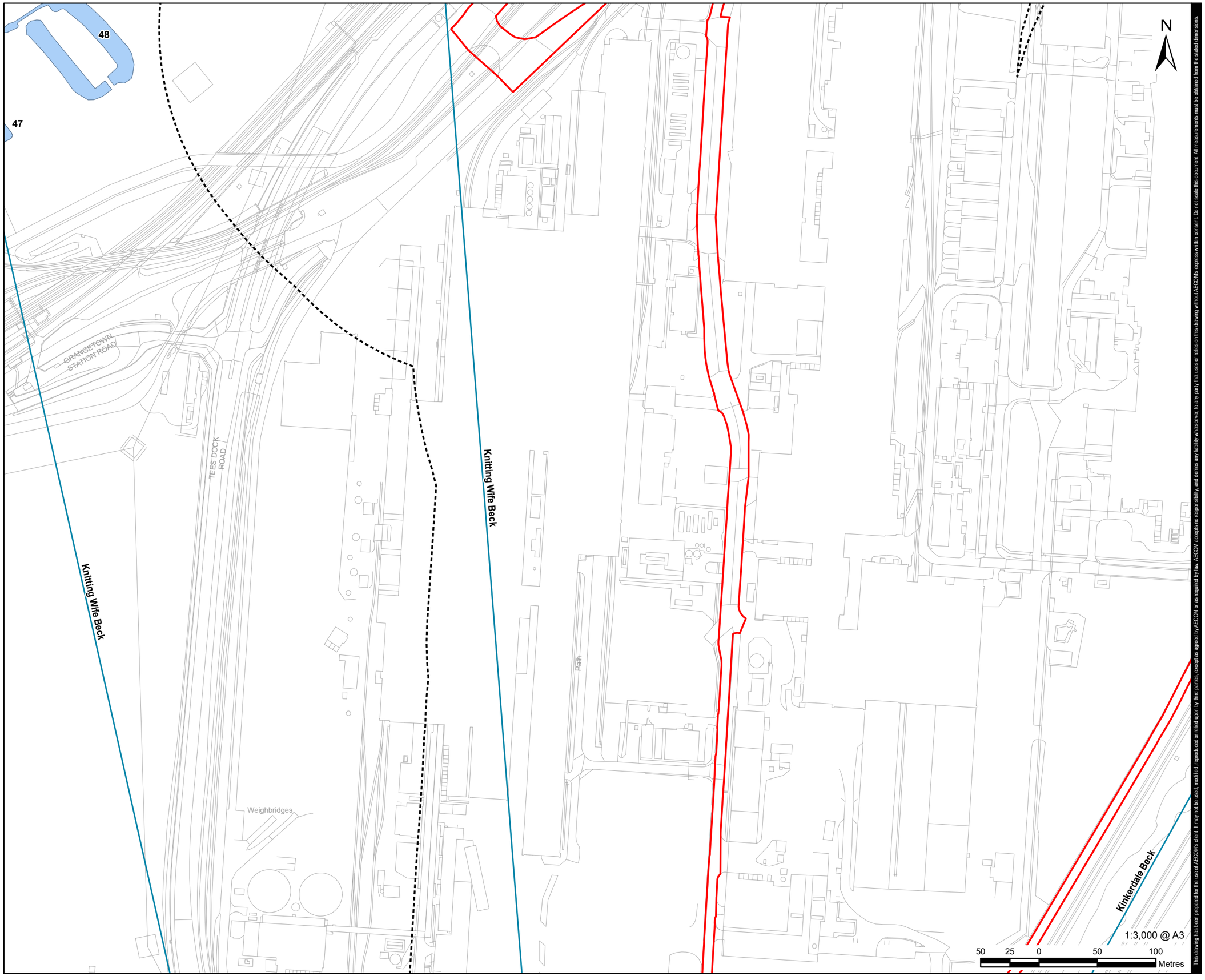
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 45 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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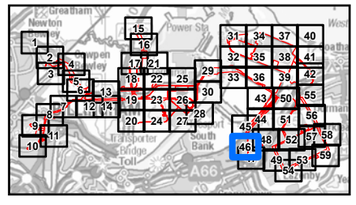
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

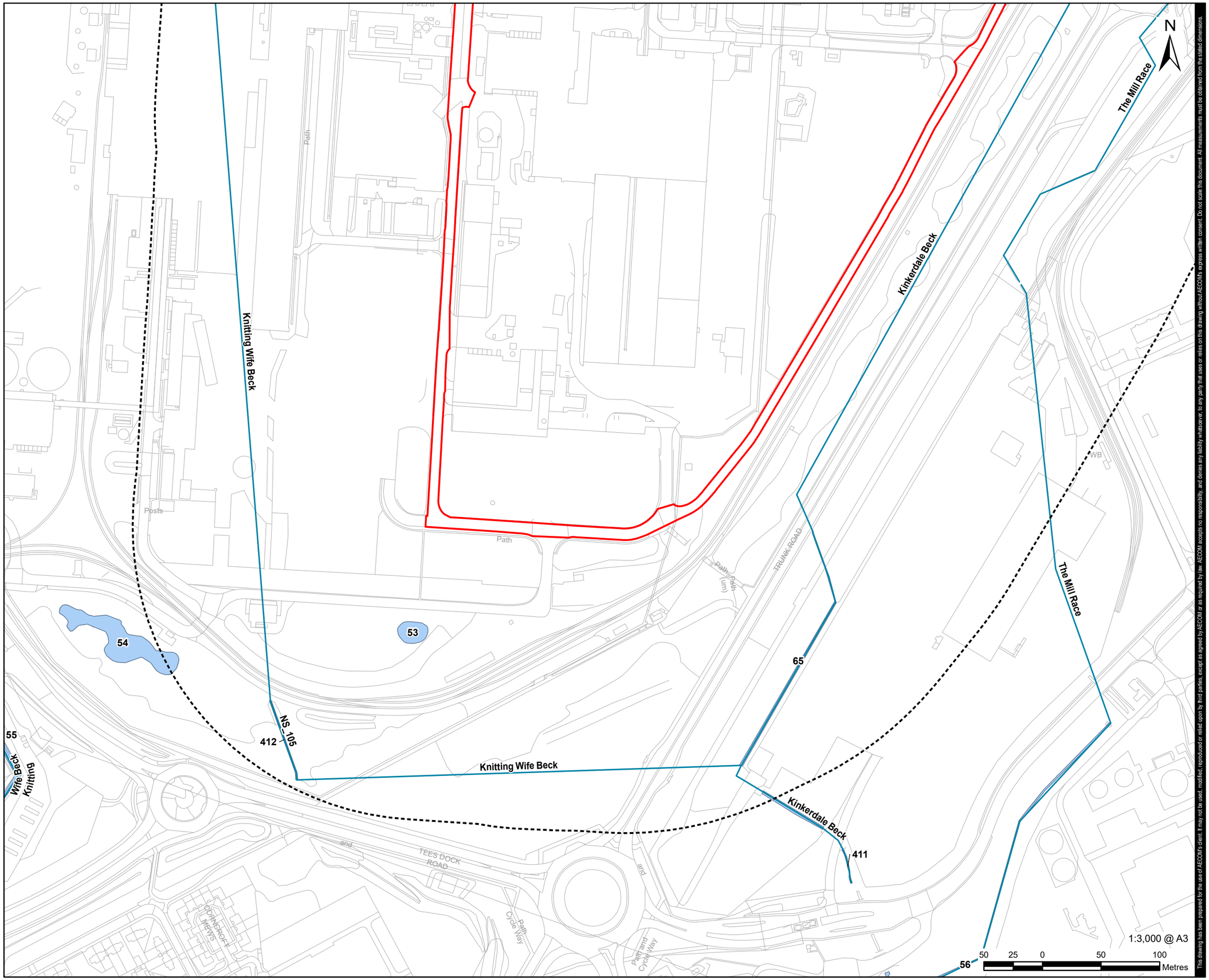
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 46 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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APPLICANT

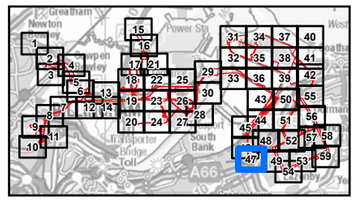
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

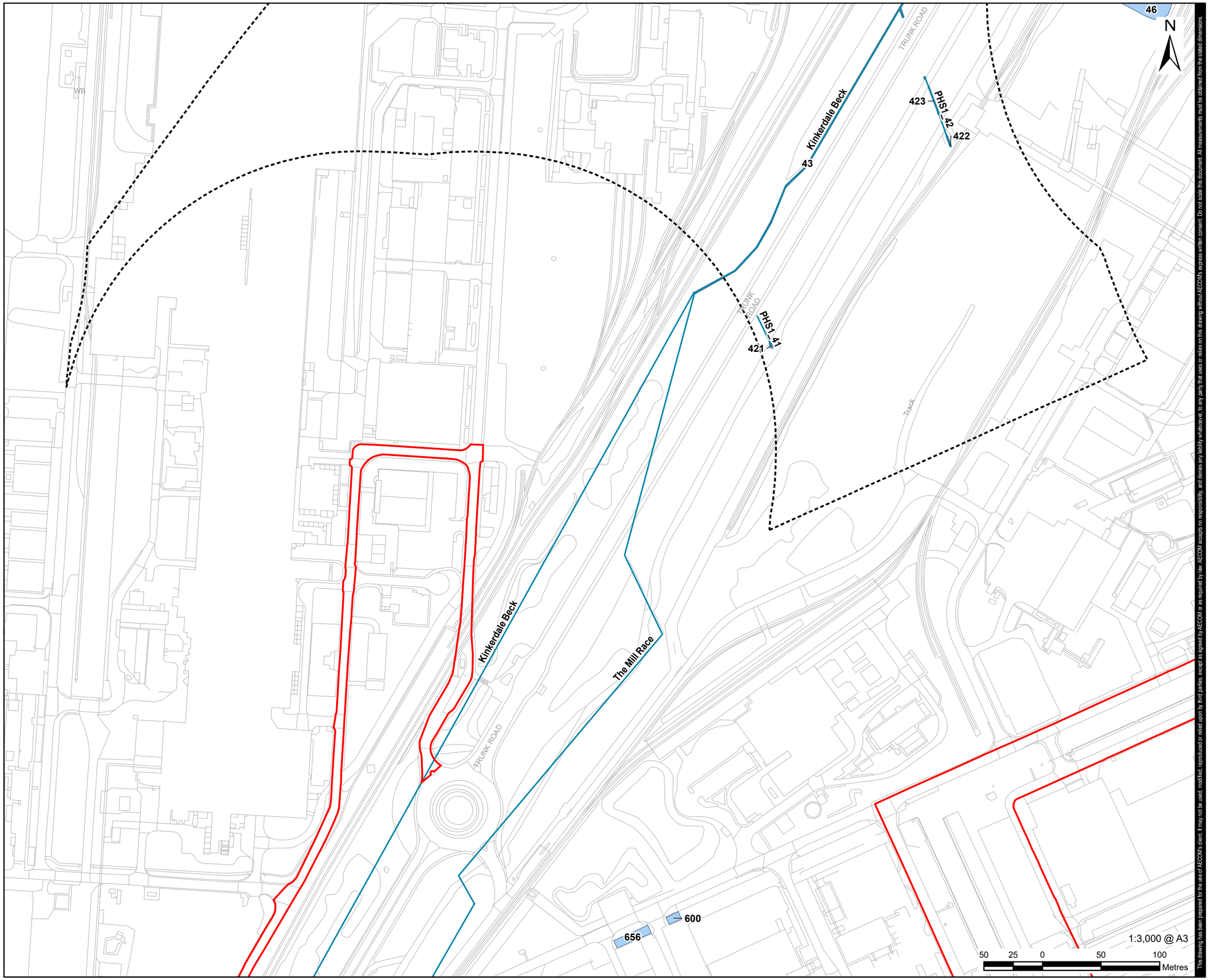
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 47 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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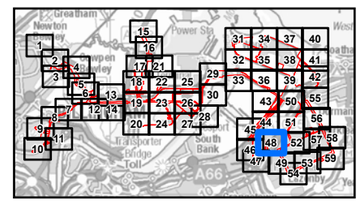
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

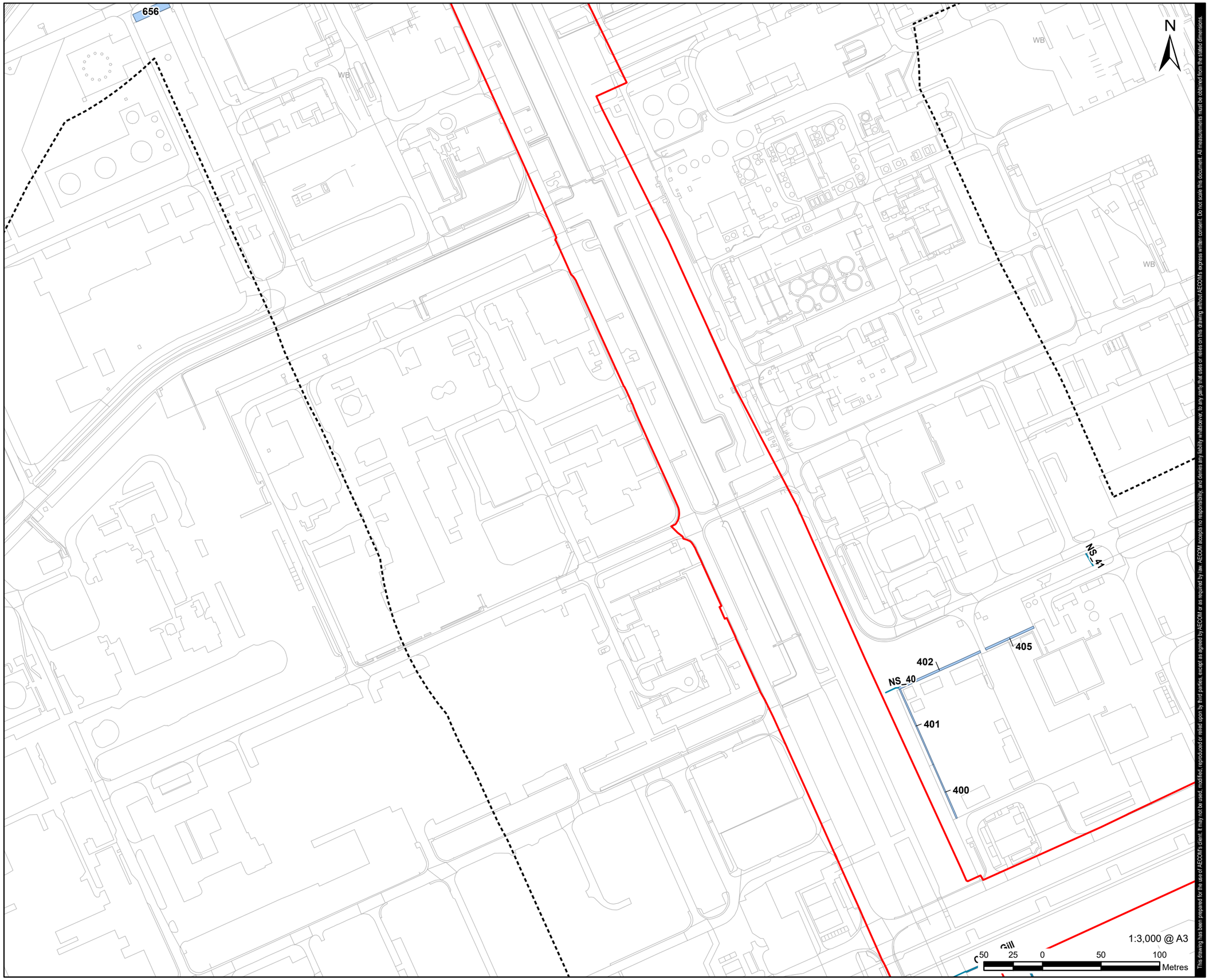
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 48 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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PROJECT

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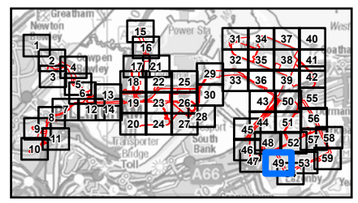
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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Environmental Statement

PROJECT NUMBER

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FIGURE TITLE

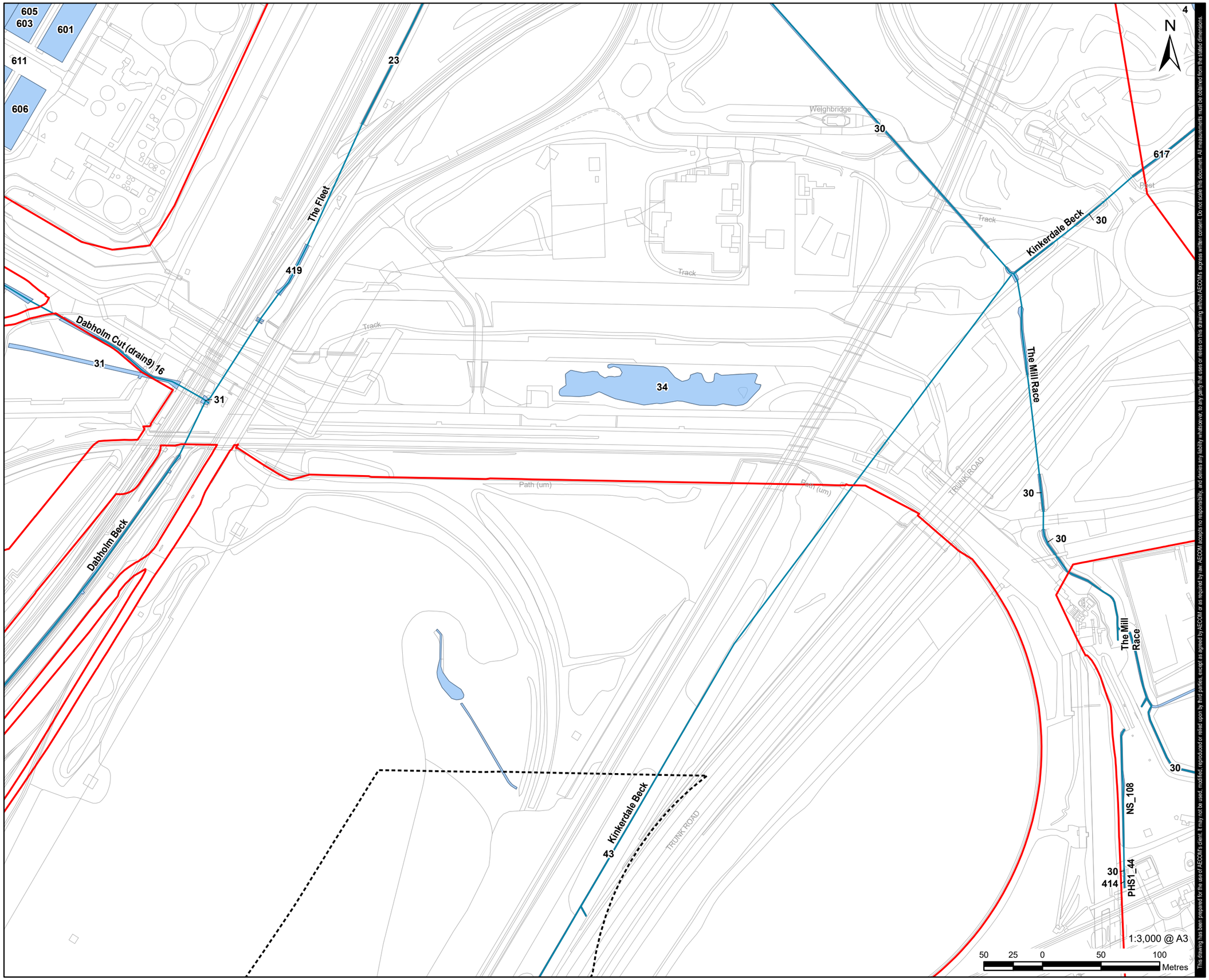
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 49 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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APPLICANT

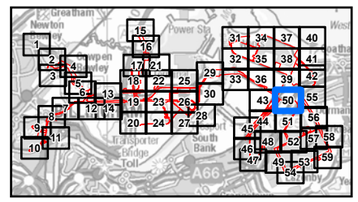
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

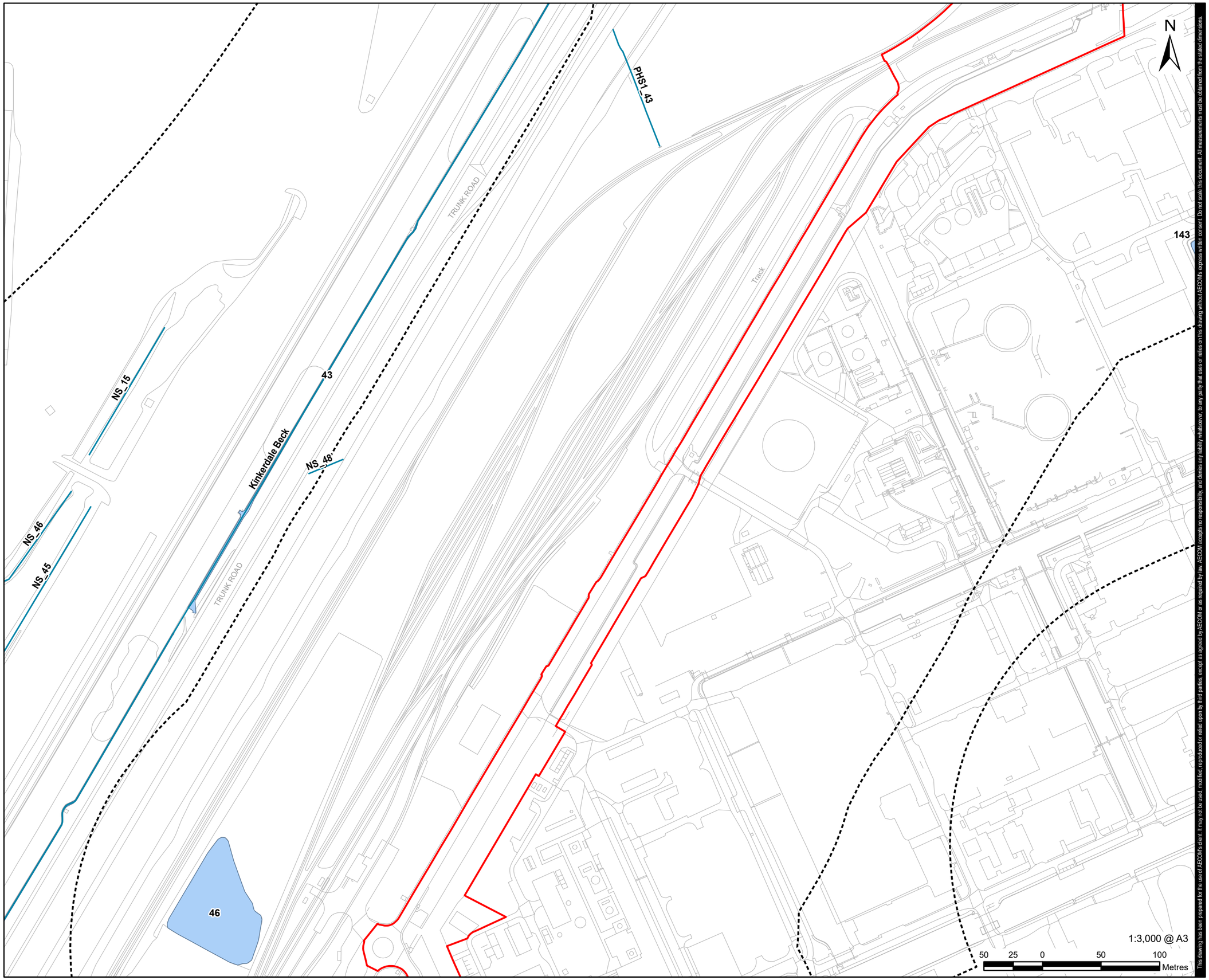
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 50 of 59)

Revision: 0 Drawn: MAB Checked: SM Approved: JW Date: 2024-02-12

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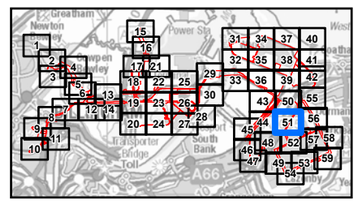
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 51 of 59)

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50 25 0 50 100 Metres

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PROJECT

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APPLICANT

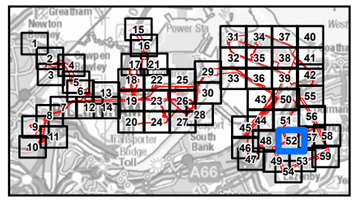
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody Area



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ISSUE PURPOSE

Environmental Statement

PROJECT NUMBER

60689030

FIGURE TITLE

The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

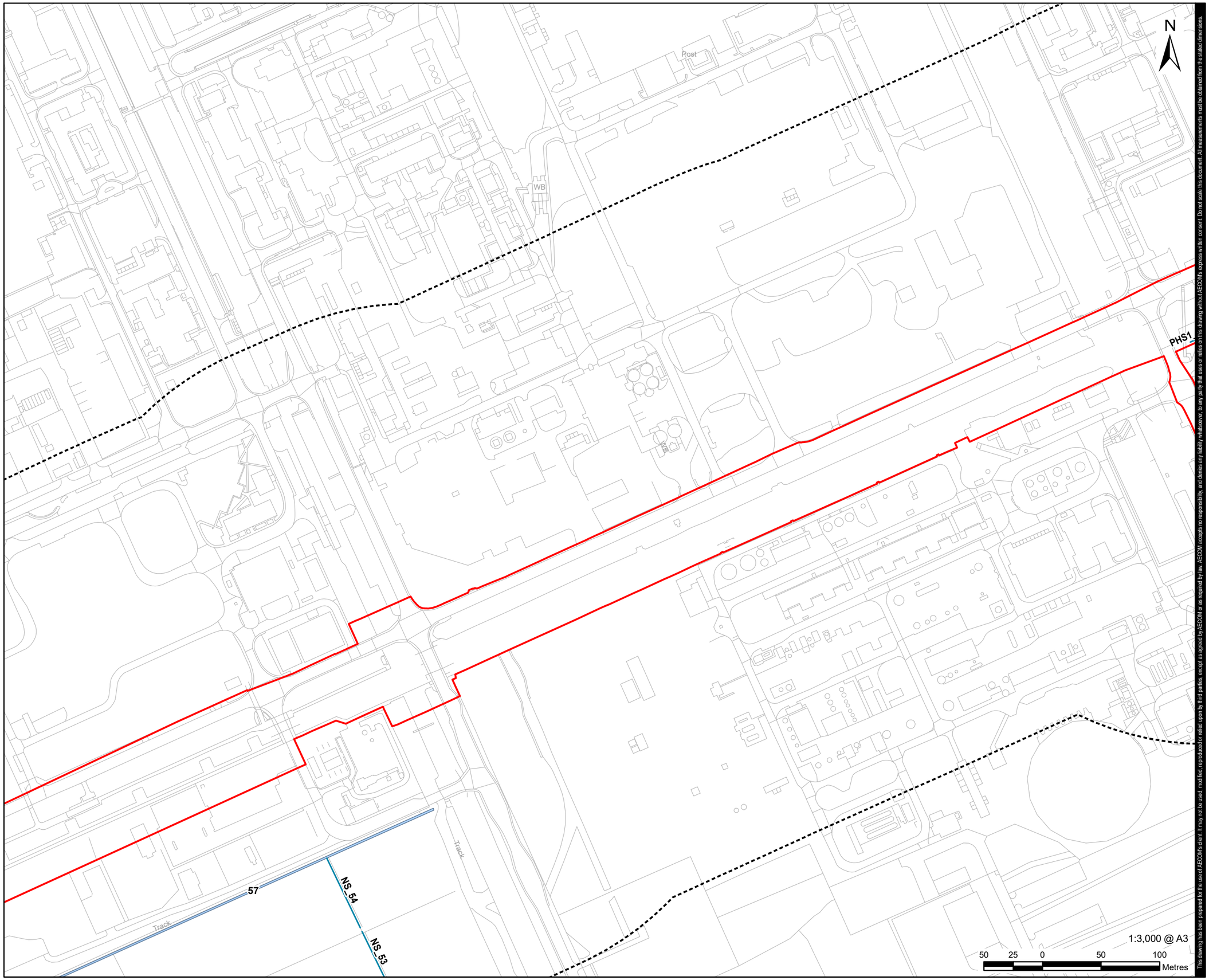
Figure 12-A-6 (Sheet 52 of 59)

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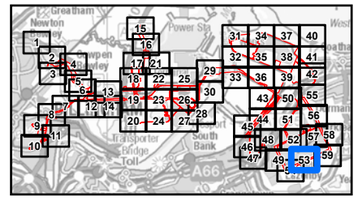
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LEGEND

- Proposed Development Site
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FIGURE TITLE

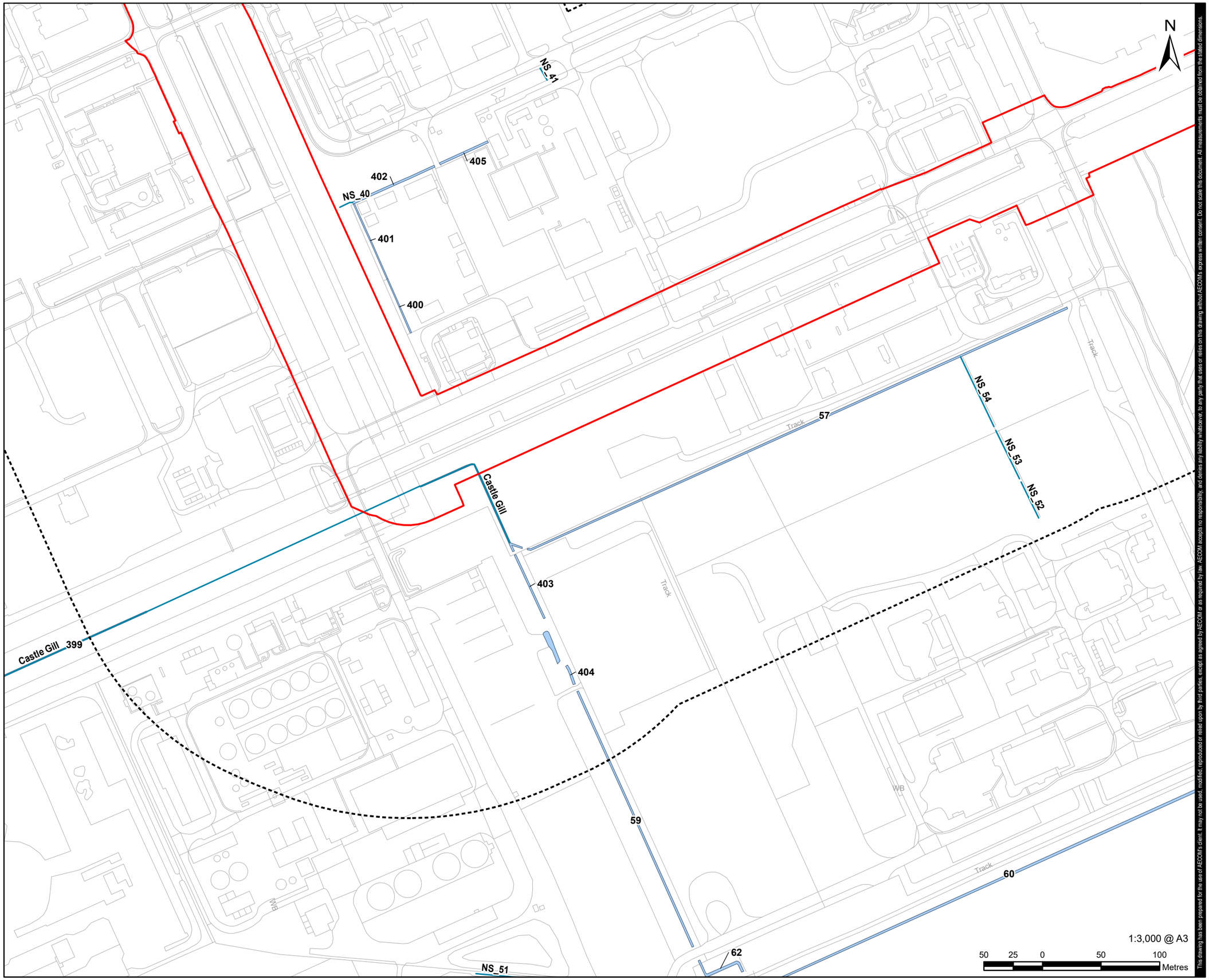
The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 53 of 59)

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PROJECT

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APPLICANT

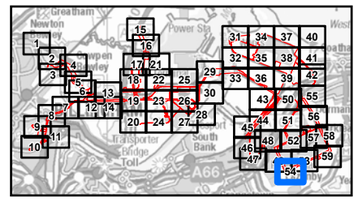
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LEGEND

- Proposed Development Site
- Proposed Development Site - 250 m Buffer
- Waterbody
- Waterbody Area



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PROJECT NUMBER

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FIGURE TITLE

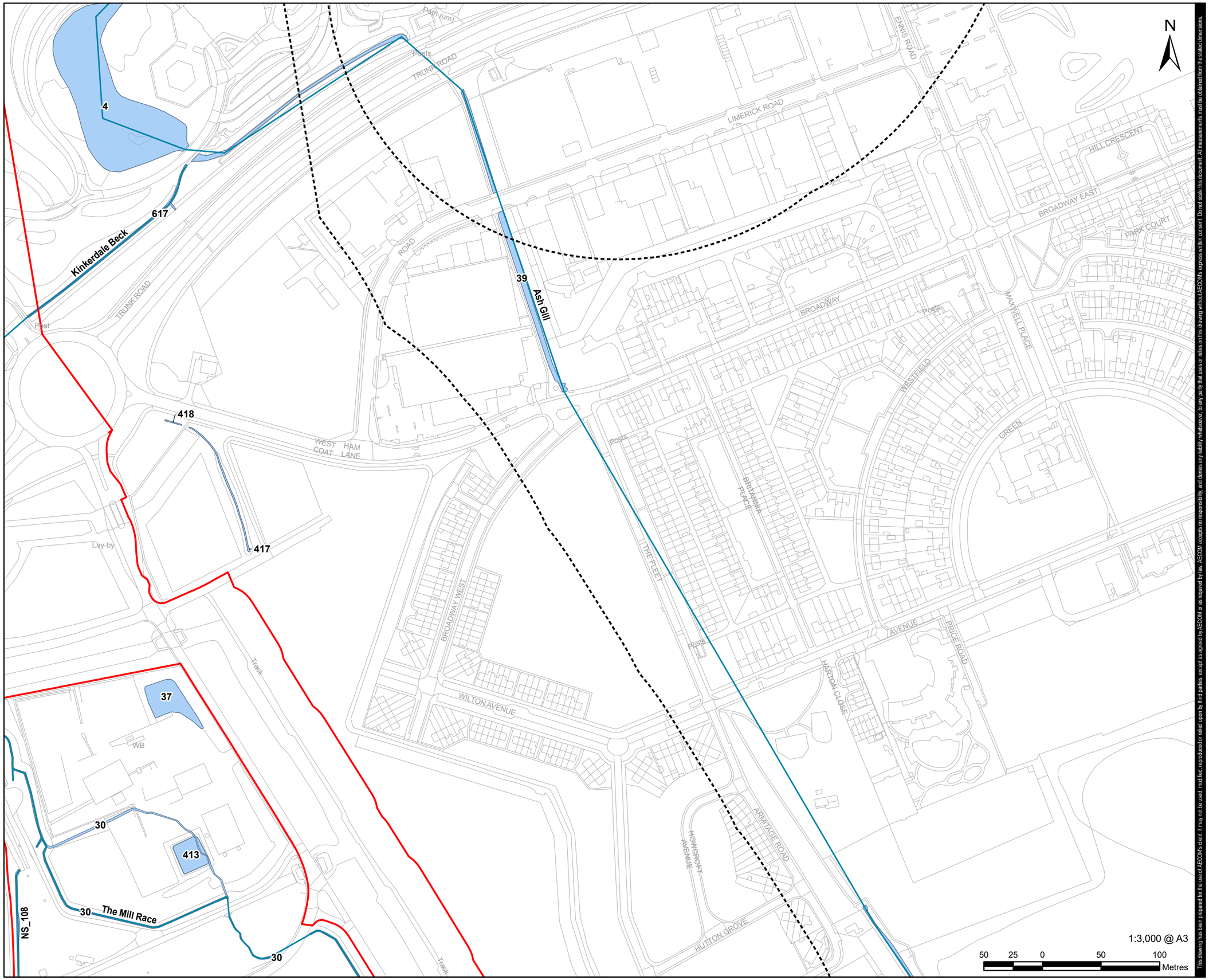
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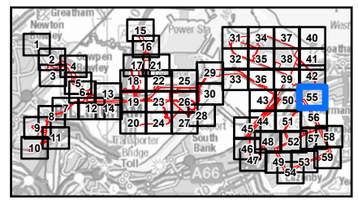
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LEGEND

- Proposed Development Site
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- Waterbody Area



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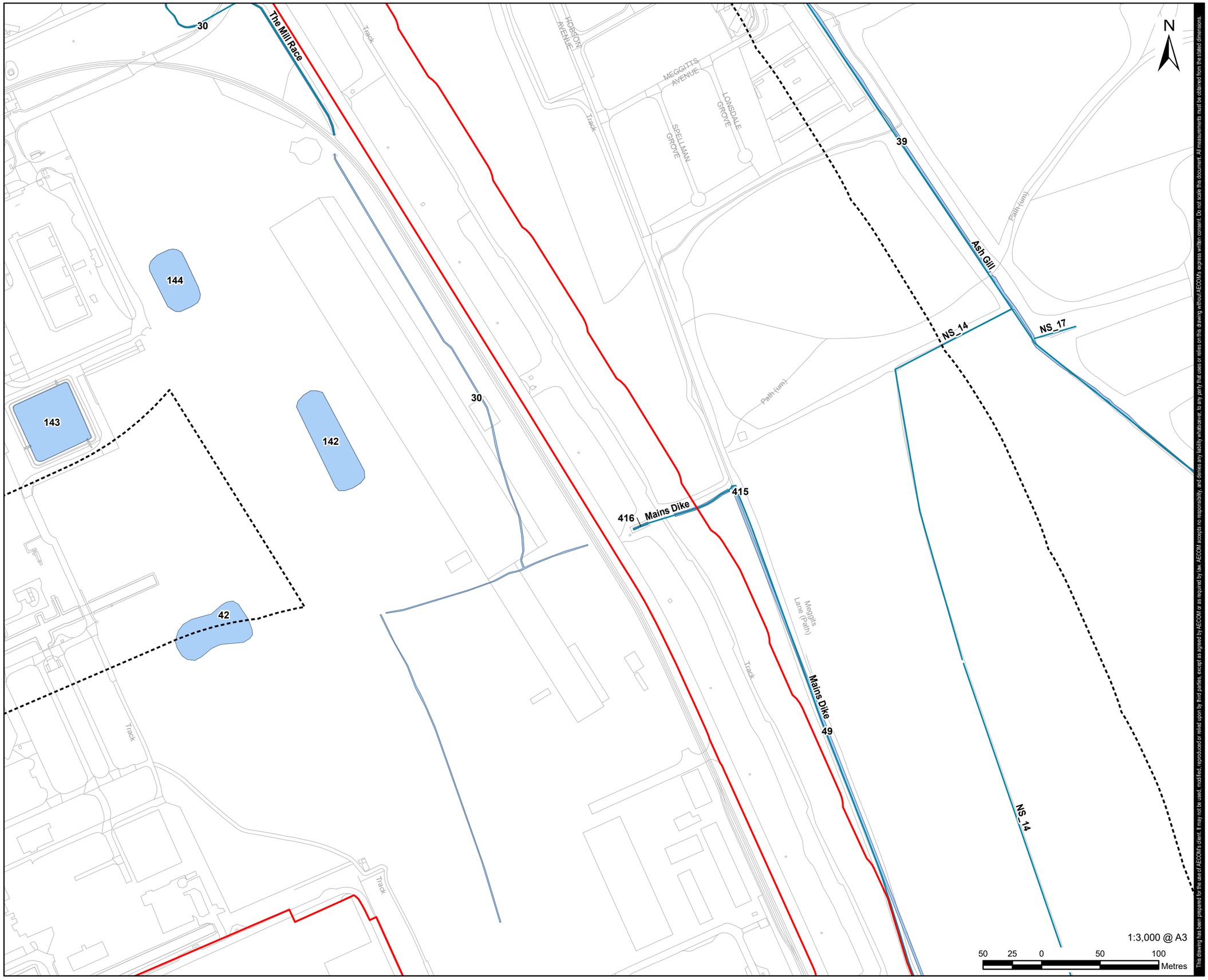
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FIGURE NUMBER

Figure 12-A-6 (Sheet 55 of 59)

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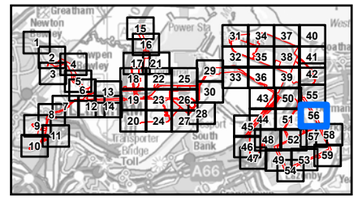
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LEGEND

- Proposed Development Site
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FIGURE TITLE

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FIGURE NUMBER

Figure 12-A-6 (Sheet 56 of 59)

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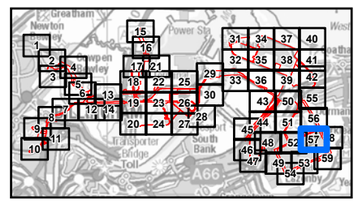
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LEGEND

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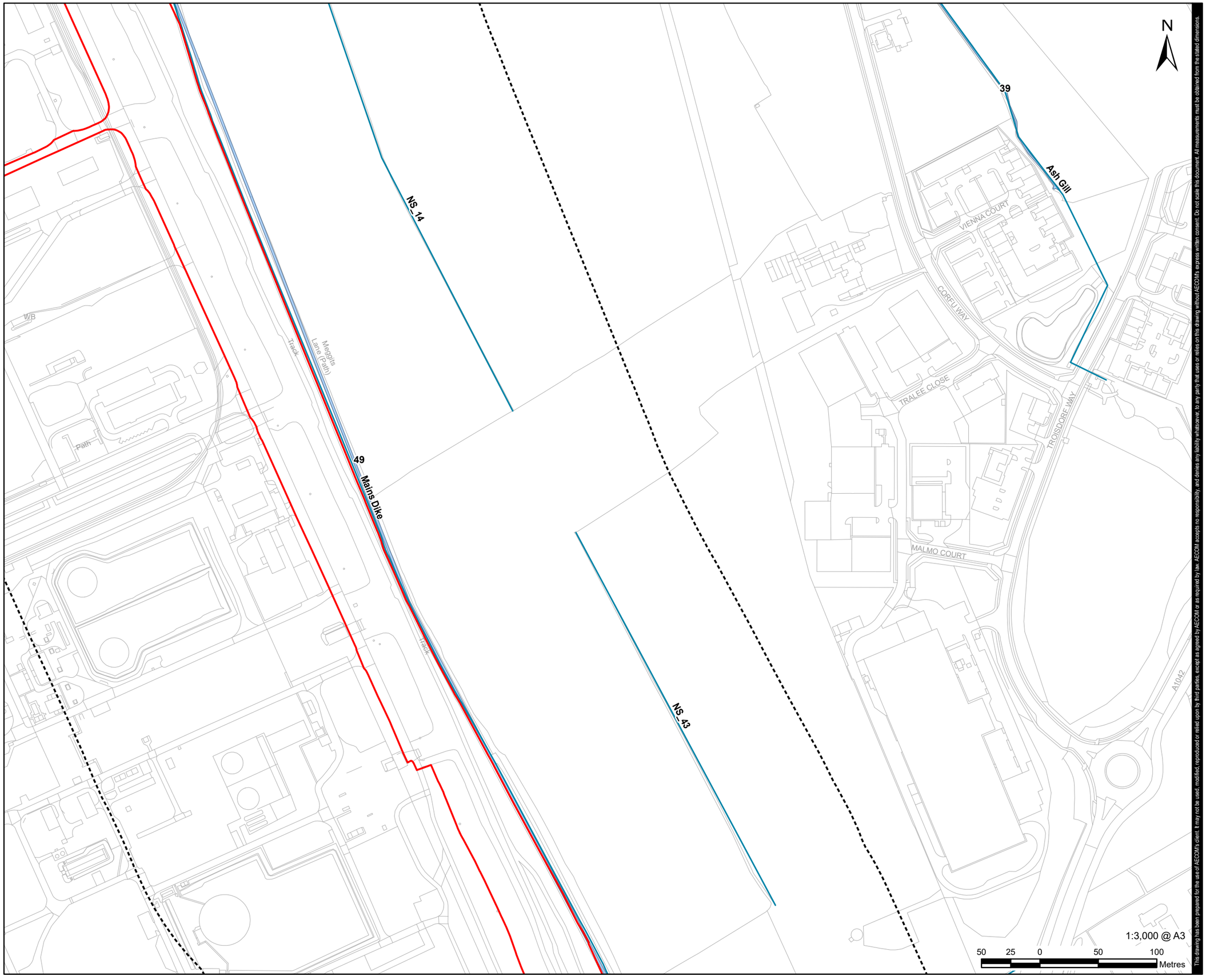
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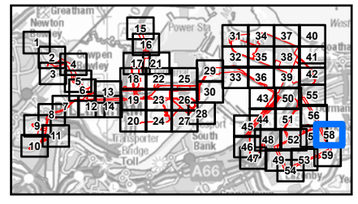
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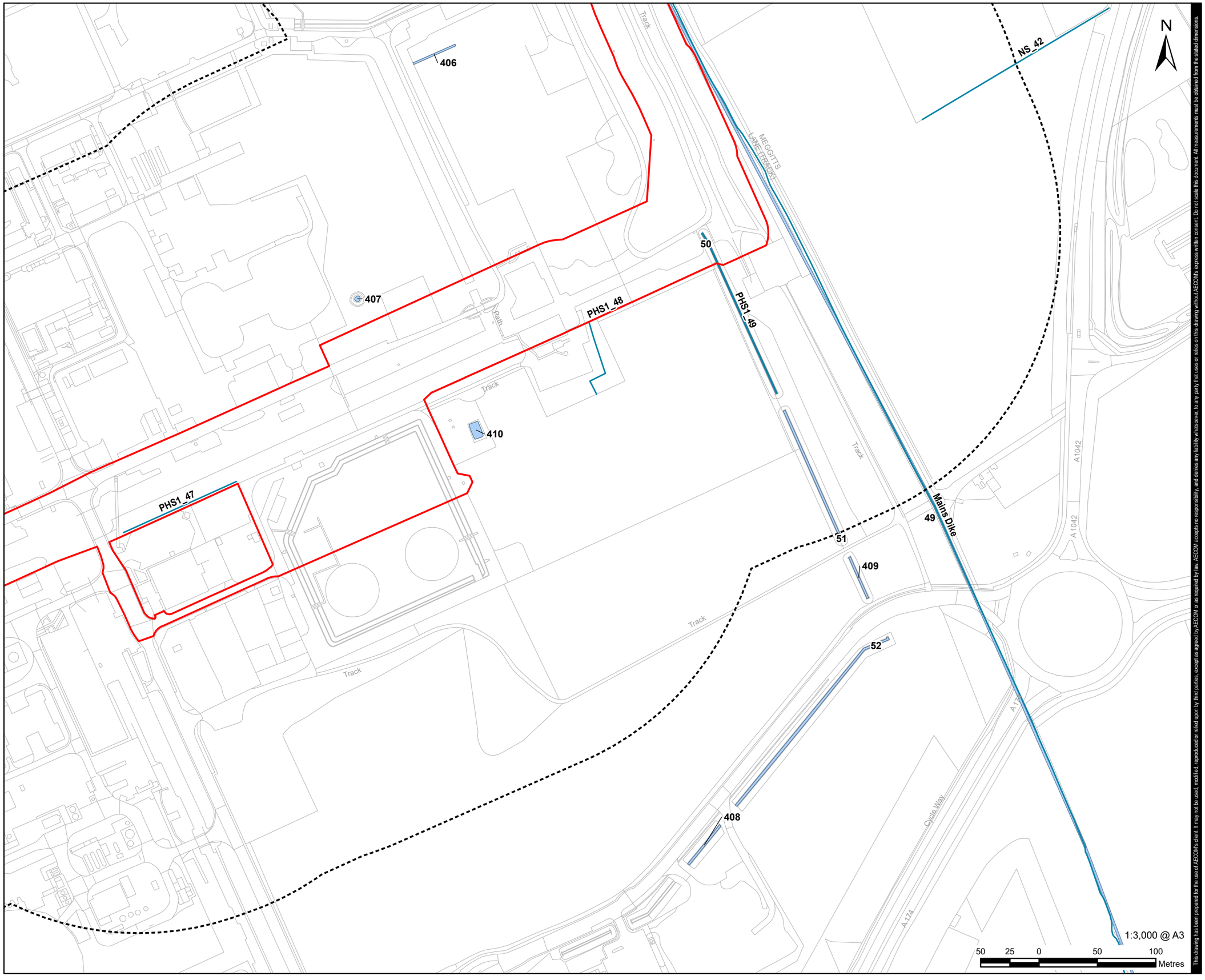
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Figure 12-A-6 (Sheet 58 of 59)

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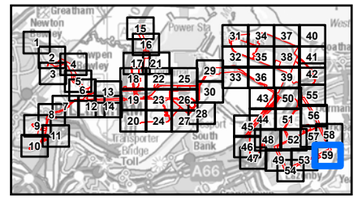
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PROJECT NUMBER

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FIGURE TITLE

The Proposed Development Site and all Watercourses/Waterbodies

FIGURE NUMBER

Figure 12-A-6 (Sheet 59 of 59)

12A.8 ANNEX 2: Wildlife Legislation and Planning Policy

12A.8.1 Relevant legislation, planning policy and related guidance is provided within Chapter 12: Ecology and Nature Conservation (Including Aquatic Ecology) (ES Volume I, EN070009/APP/6.2) and is also summarised below. This legislation has been considered when gathering baseline data in terms of designated sites, habitats and potential for protected and notable species of flora and fauna.

12A.8.2 Although the UK is no longer a member of the European Union (EU), all international nature conservation obligations that applied within England on 31 December 2020 remain part of national domestic legislation.

Wildlife Legislation

12A.8.3 The relevant wildlife legislation relating to terrestrial, freshwater, and marine biodiversity and nature conservation in England is as follows:

- The Environment Act 2021;
- The Wildlife and Countryside Act 1981 (as amended) (WCA);
- Hedgerows Regulations 1997;
- Protection of Badgers 1992;
- The Conservation of Habitats and Species Regulations 2017 (as amended) (the Habitat Regulations);
- Natural Environment and Rural Communities (NERC) Act 2006 (as amended);
- Wild Mammals (Protection) Act 1996;
- Animal Welfare Act 2006;
- The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017;
- Countryside and Rights of Way (CRoW) Act 2000;
- Marine and Coastal Access Act 2009;
- Animal Welfare Act 2006;
- Conservation of Seals Act 1970;
- Eels (England and Wales) Regulations 2009 (as amended);
- Salmon & Freshwater Fisheries Act 1975 (as amended);
- Environmental Protection Act 1990; and
- Invasive Alien Species (Enforcement and Permitting) Order 2019.

National Planning Policy

12A.8.4 The following policies are relevant to this report:

- The National Environment and Rural Communities (NERC) Act 2006 (as amended);

- National Planning Policy Framework (NPPF) 2023;
- Overarching National Policy Statement for Energy (EN-1) (Department Energy Security and Net Zero, 2023a);
- National Policy Statement (NPS) for Gas and Oil Pipelines (EN-4) (Department Energy Security and Net Zero, 2023b);
- NPS for Electrical Networks Infrastructure (EN-5) (Department for Energy Security and Net Zero, 2023c);

NERC Act 2006

12A.8.5 The NERC Act (2006), amended by the Environment Act 2021, mandates public bodies to prioritize the conservation and enhancement of biodiversity within the scope of their functions. This commitment includes activities aimed at restoring or improving populations and habitats. Consequently, the Local Planning Authority (LPA) or relevant determining authority is obligated to assess the impact of planning applications on biodiversity and explore opportunities for mitigation or enhancement.

12A.8.6 Section 41 of the NERC Act (2006) publishes a list of species and habitats considered crucial for biodiversity conservation. Section 40 requires Local Planning Authorities to factor in biodiversity conservation in England during their regular operations.

12A.8.7 Furthermore, the Environment Act 2021 introduces provisions for local nature recovery strategies and biodiversity net gain. These strategies focus on rejuvenating natural habitats and ecosystems, while biodiversity net gain ensures that development projects contribute positively to biodiversity by enhancing or offsetting any losses incurred.

NPPF 2023

12A.8.8 The revised National Planning Policy Framework (NPPF) updated on December 2023 sets out the government's planning policies for nature conservation in England and how these are expected to be applied.

12A.8.9 The National Planning Policy Framework (NPPF) 2023 is a set of guidelines and principles for planning and development in England. It provides a framework for local authorities and decision-makers to shape land use, housing, and infrastructure decisions while considering economic, social, and environmental aspects. The NPPF 2023 emphasizes sustainable and inclusive development, promoting the protection of the natural and built environment, affordable housing provision, and the revitalization of town centres. It also encourages collaborative planning, public participation, and the integration of new technologies to achieve better outcomes for communities.

Overarching National Policy Statement (NPS) for Energy (EN-1)

12A.8.10 The Overarching National Planning Policy Statement (NPS) for Energy (EN-1) (Department of Energy and Climate Change, 2011a) sets out national policy for energy infrastructure and is part of a suite of NPSs issued by the Secretary of State (SoS) for Energy and Climate Change.

12A.8.11 Paragraph 5.4.17 states: ""*Where the development is subject to EIA, the applicant should ensure that the ES clearly sets out any effects on internationally, nationally, and locally designated sites of ecological or geological conservation importance (including those outside England), on protected species and on habitats and other species identified as being of principal importance for the conservation of biodiversity, including irreplaceable habitats.*"

12A.8.12 Paragraph 5.3.18 states: "*The applicant should provide environmental information proportionate to the infrastructure where EIA is not required to help the Secretary of State consider thoroughly the potential effects of a proposed project.*"

National Policy Statement (NPS) for Gas and Oil Pipelines (EN-4)

12A.8.13 NPS EN-4 (Department for Energy and Climate Change, 2011b) is relevant for this Proposed Development, as although this NPS only covers those nationally significant infrastructure pipelines which transport natural gas or oil, the information is useful in identifying impacts to be considered in applications for pipelines intended to transport other substances.

12A.8.14 Paragraph 2.21.30 states: *"The ES should include an assessment of the biodiversity and landscape and visual effects of the proposed route and of the main alternative routes considered (see Section 5.9 of EN-1)."*

12A.8.15 Paragraph 2.21.31 states:*"The application should also include proposals for reinstatement of the pipeline route as close to its original state as possible and take into account any requirements for agreements with the landowner to access areas for aftercare and management work. This is particularly important in designated landscapes"*

12A.8.16 Paragraph 2.21.32 states: "*Where it is unlikely to be possible to restore landscape to its original state, the applicant should set out measures to avoid, mitigate, or employ other landscape measures to compensate for, any adverse effect on the landscape. In National Parks, The Broads and AONBs, such measures should seek to further the purposes of the designation."*

12A.8.17 Paragraph 2.22.6 states: *"Mitigation measures to protect the landscape and ecology could include reducing the working width required for the installation of the pipeline in order to reduce the impact on the landscape where it will not be possible to fully reinstate the route."*

12A.8.18 Paragraph 2.22.7 states: *"In circumstances where the habitat to be crossed contains ancient woodland or veteran trees, trees subject to a Tree Preservation Order, or hedgerows subject to the Hedgerows Regulations 1997, the applicant should consider whether it would be feasible to use HDD under the ancient woodland or thrust bore under the protected tree or hedgerow and the Secretary of State should consider requiring this, where not included in the proposal."*

12A.8.19 Paragraph 2.22.8 states: "*In designated landscapes, measures may need to go beyond those needed to mitigate for the effects of the scheme and seek to enhance the special qualities of the designated site.*"

National Policy Statement (NPS) for Electrical Networks Infrastructure (EN-5)

12A.8.20 EN-5 (Department for Energy and Climate Change, 2011c) provides guidance for electricity generation, storage and interconnection infrastructure required to enable the transition to net zero.

12A.8.21 Paragraph 2.5.1 states: "*When planning and evaluating the proposed development's contribution to environmental and biodiversity net gain, it will be important – for both the applicant and Secretary of State – to supplement the generic guidance set out in EN-1 (Section 4.6) with recognition that the linear nature of electricity networks infrastructure can allow for excellent opportunities to: i. reconnect important habitats via green corridors, biodiversity stepping zones, and reestablishment of appropriate hedges; and/or ii. connect people to the environment, for instance via footpaths and cycleways constructed in tandem with environmental enhancements.*"

12A.8.22 Paragraph 2.9.3 states: "*Electricity networks infrastructure pose a particular risk to birdlife including large birds, such as swans and geese, and perching birds. These may collide with overhead lines and risk being electrocuted. Large birds may also be electrocuted when landing or taking off by completing an electric circuit between live and ground wires. Even perching birds can be killed as soon as their wings touch energised parts of the infrastructure.*"

12A.8.23 Paragraph 2.9.6 states: "*Particular consideration should be given to feeding and hunting grounds, migration corridors and breeding grounds, where they are functionally linked to sites designated or allocated under the 'national site network' provisions of the Conservation of Habitats and Species Regulations.*"

Local Planning Policies

12A.8.24 The Redcar and Cleveland Local Plan and Redcar and Cleveland South Tees Area Supplementary Planning Document were both adopted in 2018 and set out the vision and overall development strategy for the Council's area and how it will be achieved for the period until 2032. Policies relevant to the Proposed Development are outlined in Table 8.1 below (Redcar and Cleveland Borough Council, 2018).

12A.8.25 The Stockton on Tees Local Plan was adopted in 2019 and sets out policies and proposals to guide planning decisions and establishes a framework for sustainable economic growth and development in the Borough up until 2032. Policies relevant to the Proposed Development are summarised in Table 12-A-10 (Stockton-on-Tees Borough Council, 2018).

12A.8.26 Hartlepool Local Plan Table 8.3 was adopted in 2018 and brings together and integrates policies for the use and development of land with other policies and programmes which influence nature of places and how they function. Policies relevant to the Proposed Development are summarised in Table 12-A-10 (Hartlepool Borough Council, 2018).

Local Biodiversity Action Plans

12A.8.27 The Tees Valley Biodiversity Action Plan (Tees Valley Nature Partnership, 2012) is the relevant LBAP for the defined Study Area and was updated in 2012. The LBAP

outlives biodiversity conservation objectives within the region and identifies priorities for action for Habitats of Principal Importance, species, locally important wildlife, and sites.

Table 12A-10: Redcar and Cleveland Local Planning Policies Relevant to Ecology within Teesmouth Valley

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
Redcar and Cleveland Local Plan	N4 – Biodiversity and Geological Conservation	*"We will protect and enhance the borough's biodiversity and geological resources. Support will be given to high quality schemes that enhance nature conservation and management, preserve the character of the natural environment and maximise opportunities for biodiversity and geological conservation, particularly in or adjacent to, Biodiversity Opportunity Areas in the wider Tees Corridor, Teesmouth, East Cleveland and Middlesbrough Beck Valleys areas. We will protect and preserve local, national and international priority species and habitats and promote their restoration, re-creation and recovery.* *Biodiversity and geodiversity should be considered at an early stage in the development process, with appropriate protection and enhancement measures incorporated into the design of development proposals, recognising wider ecosystem services and providing net gains wherever possible. Detrimental impacts of development on biodiversity and geodiversity, whether individual or cumulative, should be avoided. Where this is not possible mitigation, or lastly compensation, must be provided as appropriate. Proposals will be considered in accordance with the status of biodiversity and geodiversity sites within the hierarchy.* *Internationally important sites* *Priority will be given to protecting our internationally important sites, including the Teesmouth and Cleveland Coast Special Protection Area/Ramsar and European Marine Site, and the North York Moors Special Protection Area and Special Area of Conservation. Development that is not directly related to the management of the site, but which is likely to have a significant effect on any internationally designated site, irrespective of its location and when considered both alone and in combination with other plans and projects, will be subject to an Appropriate Assessment.* *Development requiring Appropriate Assessment will only be allowed where:* *a. it can be determined through Appropriate Assessment at the design stage that, taking into account mitigation, the proposal would not result in adverse effects on the site's integrity, either alone or in combination with other plans or projects. Within 6 km of the Teesmouth and Cleveland Coast SPA and Ramsar Site, as illustrated on the Policies Map, proposals that would result in a net increase in residential units, or other development that would lead to increased recreational disturbance of the site's interest features, will be expected to contribute towards strategic mitigation measures identified in the Recreation Management Plan. This is to ensure that adverse effects on the site's integrity can be avoided.*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
		Any alternative suitable mitigation would need to be proven effective and agreed with the Council, in consultation with relevant statutory consultees or *b. as a last resort, Appropriate Assessment proves that there are no alternatives and that the development is of overriding public interest and appropriate compensatory measures are provided.* *Nationally important sites* *Development that is likely to have an adverse impact on nationally important SSSI sites, including broader impacts on the national network and combined effects with other development, will not normally be allowed. Where an adverse effect on the site's notified interest features is likely, an exception will only be made where:* *c. the benefits of the development, at this site, clearly outweigh both any adverse impact on the features of the site that makes it of special scientific interest, and any broader impacts on the network of SSSIs;* *d. no reasonable alternatives are available; and e. mitigation, or where necessary compensation, is provided for the impact.* *Locally important sites* *Development that is likely to have an adverse impact on Local Sites (Local Wildlife Sites and Local Geological Sites) or Local Nature Reserves will only be approved where:* *f. the benefits clearly outweigh any adverse impact on the site;* *g. no reasonable alternatives are available; and h. mitigation, or where necessary compensation, is provided for the impact. Wildlife corridors and other habitat networks will be protected and enhanced, particularly hedgerows, watercourses and linking habitat features. Opportunities to deculvert watercourses will be encouraged.* *We will continue to protect our ancient woodland and ancient and veteran trees, including our tree-lined becks. Development resulting in the loss or deterioration of irreplaceable habitats, including ancient woodland and aged or veteran trees, will only be allowed in very exceptional circumstances where the need for, and benefits of, the development in that location clearly outweigh the loss and the development cannot be located elsewhere."*
Redcar and Cleveland South Tees Area	STDC7 – Natural Environmental	*"The Council will, in partnership with the STDC and investment partners and other key stakeholders, protect and, where appropriate, enhance designated and non-designated sites of biodiversity and geodiversity value and interest within the South Tees Area. The need to remediate known contamination, including to reduce environmental harm, and to redevelop*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
Supplementary Planning Document	Protection and Enhancement	*the South Tees Area for productive uses is fully recognised and supported by the Council. In doing so it will be important for all development proposals to be in accordance with the requirements of STDC7 and to respond to their environmental setting, in particular to protect and, where possible enhance, biodiversity and geodiversity interests.* *All proposals will be required to comply with Local Plan Policy N4 Biodiversity and Geological Conservation. Proposals with the potential to affect the Teesmouth and Cleveland Coast SPA should undergo a Habitat Regulations Assessment (HRA) with regard to the conservation objectives of the designation.* *The Council will support the delivery of a strategy for the regeneration area which promotes the provision of green infrastructure, in accordance with Local Plan PolicyN2, including a series of connected open, private and public spaces, using open space as connectors not barriers to development.* *All proposals will be required to have regard to the forthcoming Environment and Biodiversity and Open Space Strategies and, where appropriate, the Redcar & Cleveland Teesmouth and Cleveland Coast SPA Recreation Management Plan, including in the mitigation of likely cumulative impacts on the natural environment. Net environmental gains should be provided where appropriate and viable, in accordance with Policies N2 and N4.*

Table12A-11: Stockton-on-Tees Local Planning Policies Relevant to Ecology within Teesmouth Valley

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
Stockton-on-Tees Borough Council Local Plan	ENV5 - Preserve, Protect and Enhance Ecological	*"1. The Council will protect and enhance the biodiversity and geological resources within the Borough. Development proposals will be supported where they enhance nature conservation and management, preserve the character of the natural environment and maximise opportunities for biodiversity and geological conservation*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
	Networks, Biodiversity and Geodiversity	*particularly in or adjacent to Biodiversity Opportunity Areas in the River Tees Corridor, Teesmouth and Central Farmland Landscape Areas.* *2. The Council will preserve, restore and re-create priority habitats alongside the protection and recovery of priority species.* *3. Ecological networks and wildlife corridors will be protected, enhanced and extended. A principal aim will be to link sites of biodiversity importance by avoiding or repairing the fragmentation and isolation of natural habitats.* *4. Sites designated for nature or geological conservation will be protected and, where appropriate enhanced, taking into account the following hierarchy and considerations:* *a. Internationally designated sites – Development that is not directly connected with or necessary to the management of the site, but which is likely to have a significant effect on any internationally designated site, irrespective of its location and when considered both alone and in combination with other plans and projects, will be subject to an Appropriate Assessment. Development requiring Appropriate Assessment will only be allowed where:* *i. It can be determined through Appropriate Assessment, taking into account mitigation, the proposal would not result in adverse effects on the site's integrity, either alone or in combination with other plans or projects; or* *ii. as a last resort, where, in light of negative Appropriate Assessment there are no alternatives and the development is of overriding public interest, appropriate compensatory measures must be secured.* *b. Nationally designated sites - Development that is likely to have an adverse effect on a site, including broader impacts on the national network of Sites of Special Scientific Interest (SSSI) and combined effects with other development, will not normally be allowed. Where an adverse effect on the site's notified interest features is likely, a development will only be allowed where:* *i. the benefits of the development, at this site, clearly outweigh both any adverse impact on the sites notified interest features, and any broader impacts on the national network of SSSI's;*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
		ii. no reasonable alternatives are available; and iii. mitigation, or where necessary compensation, is provided for the impact. c. Locally designated sites: Development that would have an adverse effect on a site(s) will not be permitted unless the benefits of the development clearly outweigh the harm to the conservation interest of the site and no reasonable alternatives are available. *All options should be explored for retaining the most valuable parts of the sites interest as part of the development proposal with particular consideration given to conserving irreplaceable features or habitats, and those that cannot readily be recreated within a reasonably short timescale, for example ancient woodland and geological formations. Where development on a site is approved, mitigation or where necessary, compensatory measures, will be required in order to make development acceptable in planning terms.* *5. Development proposals should seek to achieve net gains in biodiversity wherever possible. It will be important for biodiversity and geodiversity to be considered at an early stage in the design process so that harm can be avoided and wherever possible enhancement achieved (this will be of particular importance in the redevelopment of previously developed land where areas of biodiversity should be retained and recreated alongside any remediation of any identified contamination). Detrimental impacts of development on biodiversity and geodiversity, whether individual or cumulative should be avoided. Where this is not possible, mitigation and lastly compensation, must be provided as appropriate. The Council will consider the potential for a strategic approach to biodiversity offsetting in conjunction with the Tees Valley Local Nature Partnership and in line with the above hierarchy.* *6. When proposing habitat creation it will be important to consider existing habitats and species as well as opportunities identified in the relevant Biodiversity Opportunity Areas. This will assist in ensuring proposals accord with the 'landscape scale' approach and support ecological networks.* *7. Existing trees, woodlands and hedgerows which are important to the character and appearance of the local area or are of nature conservation value will be protected wherever possible. Where loss is unavoidable, replacement of appropriate scale and species will be sought on site, where practicable."*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
	SD8 – Sustainable Design Principles	*"1. The Council will seek new development to be designed to the highest possible standard, taking into consideration the context of the surrounding area and the need to respond positively to the:* *a. Quality, character and sensitivity of the surrounding public realm, heritage assets, and nearby buildings, in particular at prominent junctions, main roads and town centre gateways;* *b. Landscape character of the area, including the contribution made by existing trees and landscaping;* *c. Need to protect and enhance ecological and green infrastructure networks and assets;* *d. Need to ensure that new development is appropriately laid out to ensure adequate separation between buildings and an attractive environment;* *e. Privacy and amenity of all existing and future occupants of land and buildings;* *f. Existing transport network and the need to provide safe and satisfactory access and parking for all modes of transport;* *g. Need to reinforce local distinctiveness and provide high quality and inclusive design solutions, and* *h. Need for all development to be designed inclusively to ensure that buildings and spaces are accessible for all, including people with disabilities.* *2. New development should contribute positively to making places better for people. They should be inclusive and establish a strong sense of place, using streetscapes and buildings to create attractive and comfortable places to live, work and visit.* *3. All proposals will be designed with public safety and the desire to reduce crime in mind, incorporating, where appropriate, advice from the Health and Safety Executive, Secured by Design, or any other appropriate design standards.* *4. New development will seek provision of adequate waste recycling, storage and collection facilities, which are appropriately sited and designed.* *5. New commercial development will be expected to provide appropriately designed signage and shop fronts."*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
	SD5 – Natural, Built and Historic Environment	*"To ensure the conservation and enhancement of the environment alongside meeting the challenge of climate change the Council will:* *1. Conserve and enhance the natural, built and historic environment through a variety of methods including:* *a. Ensuring that development proposals adhere to the sustainable design principles identified within Policy SD8.* *b. Protecting and enhancing designated sites (including the Teesmouth and Cleveland Coast Special Protection Area and Ramsar) and other existing resources alongside the provision of new resources.* *c. Protecting and enhancing green infrastructure networks and assets, alongside the preservation, restoration and re-creation of priority habitats, ecological networks and the protection and recovery of priority species.* *d. Enhancing woodlands and supporting the increase of tree cover where appropriate.* *e. Supporting development of an appropriate scale within the countryside where it does not harm its character and appearance, and provides for sport and recreation or development identified within Policies SD3 and SD4.* *f. Ensuring any new development within the countryside retains the physical identity and character of individual settlements.* *g. Directing appropriate new development within the countryside towards existing underused buildings on a site for re-use or conversion in the first instance. Only where it has been demonstrated to the satisfaction of the local planning authority that existing underused buildings would not be appropriate for the intended use should new buildings be considered.* *h. Supporting the conversion and re-use of buildings in the countryside where it provides development identified within Policies SD3 and SD4, and meets the following criteria:* *i. The proposed use can largely be accommodated within the existing building, without significant demolition and rebuilding;* *ii. Any alterations or extensions are limited in scale;*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
		iii. The proposed use does not result in the fragmentation and/or severance of an agricultural land holding creating a non-viable agricultural unit; and *iv. Any associated outbuildings/structures are of an appropriate design and scale.* *i. Considering development proposals within green wedges against Policy ENV6.* *j. Ensuring development proposals are responsive to the landscape, mitigating their visual impact where necessary. Developments will not be permitted where they would lead to unacceptable impacts on the character and distinctiveness of the Borough's landscape unless the benefits of the development clearly outweigh any harm. Wherever possible, developments should include measures to enhance, restore and create special features of the landscape.* *k. Supporting proposals within the Tees Heritage Park which seek to increase access, promote the area as a leisure and recreation destination, improve the natural environment and landscape character, protect and enhance cultural and historic assets, and, promote understanding and community involvement.* *l. Preventing both new and existing development from contributing to or being put at unacceptable risk from, or being adversely affected by unacceptable levels of ground, air, water, light or noise pollution or land instability. Wherever possible proposals should seek to improve ground, air and water quality.* *m. Encouraging the reduction, reuse and recycling of waste, and the use of locally sourced materials."*
	EG4 – Seal Sands, North Tees and Billingham States	*"Development proposals for hazardous installations, uses related to the process industries, or emerging specialist sectors will be directed to available sites and expansion land in the following locations:* *a. Billingham Chemical Complex including 45 ha of available land.* *b. North Tees including 46 ha of available land. c. Seal Sands including 144 ha of available land.* *2. Development proposals in the North Tees and Seal Sands area will recognise the cumulative importance for bird species associated with the Teesmouth and Cleveland Coast SPA and Ramsar site. Appropriate development proposals will be encouraged at locations within the limits to development where:*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
		a. If necessary, land has been identified to provide appropriate strategic mitigation; or *b. The applicant can demonstrate that the proposed development, in-combination with other proposals, will not adversely impact the Teesmouth & Cleveland Coast SPA and Ramsar site.* *3. Should it become apparent that proposals for strategic mitigation cannot be identified, the Council will work with the Tees Estuary Partnership and relevant stakeholders to take appropriate action."*
	ENV6 – Green Infrastructure, Open Space, Green Wedges and Agricultural Land	*"1. Through partnership working, the Council will protect and support the enhancement, creation and management of all green infrastructure to improve its quality, value, multi-functionality and accessibility in accordance with the Stockton-on-Tees Green Infrastructure Strategy and Delivery Plan.* *2. Where appropriate, development proposals will be required to make contributions towards green infrastructure having regard to standards and guidance provided within the Open Space, Recreation and Landscaping SPD or any successor. Green infrastructure should be integrated, where practicable, into new developments. This includes new hard and soft landscaping, and other types of green infrastructure. Proposals should illustrate how the proposed development will be satisfactorily integrated into the surrounding area in a manner appropriate to the surrounding townscape and landscape setting and enhances the wider green infrastructure network.* *3. The Council will protect and enhance open space throughout the Borough to meet community needs and enable healthy lifestyles. The loss of open space as shown on the Policies Map, and any amenity open space, will not be supported unless:* *a. it has been demonstrated to be surplus to requirements; or* *b. the loss would be replaced by equivalent or better provision in terms of quantity and quality in a suitable location; or* *c. the proposal is for another sports or recreational provision, the needs for which, clearly outweigh the loss; or d. the proposal is ancillary to the use of the open space; and e. in all cases there would be no significant harm to the character and appearance of the area or nature conservation interests.*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
		4. Development within green wedges will only be supported where: *a. it would not result in physical or visual coalescence of built-up areas;* *b. it would not adversely impact on local character or the separate identity of communities;* *c. it would not adversely impact on recreational opportunities; and* *d. it would not adversely impact on biodiversity.* *5. Development proposals will be expected to demonstrate that they avoid the 'best and most versatile' agricultural land unless the benefits of the proposal outweigh the need to protect such land for agricultural purposes. Where significant development of agricultural land is demonstrated to be necessary, proposals will be expected to demonstrate that they have sought to use areas of lower quality land in preference to that of a higher quality."*
	ENV7 – Ground, Air, Water, Noise and Light Pollution	*"1. All development proposals that may cause groundwater, surface water, air (including odour), noise or light pollution either individually or cumulatively will be required to incorporate measures as appropriate to prevent or reduce their pollution so as not to cause unacceptable impacts on the living conditions of all existing and potential future occupants of land and buildings, the character and appearance of the surrounding area and the environment.* *2. Development that may be sensitive to existing or potentially polluting sources will not be sited in proximity to such sources. Potentially polluting development will not be sited near to sensitive developments or areas unless satisfactory mitigation measures can be demonstrated.* *3. Where development has the potential to lead to significant pollution either individually or cumulatively, proposals should be accompanied by a full and detailed assessment of the likely impacts. Development will not be permitted when it is considered that unacceptable effects will be imposed on human health, or the environment, taking into account the cumulative effects of other proposed or existing sources of pollution in the vicinity. Development will only be approved where suitable mitigation can be achieved that would bring pollution within acceptable levels.*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
		4. Where future users or occupiers of a development would be affected by contamination or stability issues, or where contamination may present a risk to the water environment, proposals must demonstrate via site investigation/assessment that: *a. Any issues will be satisfactorily addressed by appropriate mitigation measures to ensure that the site is suitable for the proposed use, and does not result in unacceptable risks which would adversely impact upon human health and the environment; and* *b. Demonstrate that development will not cause the site or the surrounding environment to become contaminated and/or unstable.* *5. Groundwater and surface water quality will be improved in line with the requirements of the European Water Framework Directive and its associated legislation and the Northumbria River Basin Management Plan. Development that would adversely affect the quality or quantity of surface or groundwater, flow of groundwater or ability to abstract water will not be permitted unless it can be demonstrated that no significant adverse impact would occur or mitigation can be put in place to minimise this impact within acceptable levels.* *6. To improve the quality of the water environment the Council will:* *a. Support ecological improvements along riparian corridors including the retention and creation of river frontage habitats;* *b. Avoid net loss of sensitive inter-tidal or sub-tidal habitats and support the creation of new habitats; and* *c. Protect natural water bodies from modification and support the improvement and naturalisation of heavily modified water bodies (including de-culverting and the removal of barriers to fish migration).”*

Table12A-12: Hartlepool Local Planning Policies Relevant to Ecology within Teesmouth Valley

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
Hartlepool Local Plan	HE3: Conservation Areas	*"The Borough Council will seek to ensure that the distinctive character of Conservation Areas within the Borough will be conserved or enhanced through a constructive conservation approach. Proposals for development within Conservation Areas will need to demonstrate that they will conserve or positively enhance the character of the Conservation Areas. In determining applications within Conservation Areas and within their setting particular regard will be given to the following:* *1) The scale and nature of the development in terms of appropriateness to the character of the particular conservation area;* *2) The design, height, orientation, massing, means of enclosure, materials, finishes and decoration to ensure development is sympathetic to and/or complementary to the character and appearance of the conservation area;* *3) The retention of original features of special architectural interest such as walls, gateway entrances and architectural details;* *4) Retention of existing trees, hedgerows and landscape features and appropriate landscaping improvements incorporated into design proposals;* *5) The protection of important views and vistas and settings within and into / out of the conservation area;* *6) Car parking, where required, should be located, designed and landscaped in such a way as to minimise impact on the character and appearance of the heritage asset, and* *7) Guidance provided in relevant Conservation Area appraisals, management plans, visual assessments, design statements and supplementary planning documents. Proposals for demolition within Conservation Areas will be carefully assessed, the Borough Council will only permit the demolition of buildings and other features and structures in a Conservation Area if it can be demonstrated that:* *8) The removal would help to conserve and/or enhance the character, appearance and significance of the Conservation Area, and*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
		9) Its structural condition is such that it is beyond reasonable economic repair, or *10) The removal is necessary to deliver a public benefit which substantially outweighs the impact on the significance of the heritage asset. In the exceptional circumstances where any demolition is granted, the Borough Council will require that detailed proposals for the satisfactory redevelopment or after treatment of the site are secured before demolition takes place. This will include the requirement to record and advance understanding of the significance of the heritage assets to be lost (wholly or in part) in a manner that is proportionate to their importance.* *Developments which affect the setting of a Conservation Area, including developments within the vicinity of a Conservation Area should take account of the character and setting of the Conservation Area through appropriate design, scaling, siting, use of materials and impact on the significance. Where there are important views and vistas within and otherwise affecting the setting of a Conservation Area these should be protected or enhanced. The Borough Council will protect and enhance Conservation Areas and their features as part of a development. The Borough Council may consider the use of Article 4 Directions in order to* *protect the integrity of buildings within Conservation Areas."*
	NE1 – Natural Environment	*The Borough Council will protect, manage and enhance Hartlepool's natural environment and will ensure that:* *1) Development proposals are in accordance with the locational strategy outlined in policy LS1.* *2) Sites designated for nature conservation as shown on the Policies Map will be protected and, where appropriate, enhanced, taking into account the following hierarchy:* *a) Internationally designated sites: these sites receive statutory protection. Development not connected to or necessary for the enhancement and/or management of the site will not be permitted unless it meets relevant legal requirements; A precautionary approach will be taken towards developments that may have indirect impacts on internationally designated sites and appropriate mitigation measures or contributions to avoid*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
		detrimental impacts will be sought and delivered via the Hartlepool Mitigation Strategy and Delivery Plan and other mechanisms. *b) Nationally designated sites: these sites also receive statutory protection. Development that would have an adverse affect on these sites will not be permitted unless it meets the relevant legal requirements; A precautionary approach will be taken towards developments that may have indirect impacts on nationally designated sites and appropriate mitigation measures or contributions to avoid detrimental impacts will be sought.* *c) Locally designated sites: development which would adversely affect a locally designated site, which is not also allocated for another use in the Local Plan, will not be permitted unless the reasons for the development clearly outweigh the harm to the conservation interest of the site. Where development on a locally designated site is approved, including sites that are also allocated for other uses, compensatory measures may be required in order to make development acceptable in planning terms and to mitigate against any loss of interest. Biodiversity accounting/offsetting may be considered as part of compensatory measures where on-site compensation is not possible.* *3) Designated Local Nature Reserves are protected, managed and enhanced as sites with geological and/or wildlife features that are of special local interest. Where appropriate the Borough Council will support the designation of further sites as Local Nature Reserves.* *4) Where appropriate an ecosystems services approach will be used to assess the impact of development proposals on the natural environment and the benefits it provides, including resource use, health and well-being, protection from the affects of climate change, economic growth, and culture* *5) Ecological networks are enhanced and green infrastructure is protected and enhanced* *6) Development avoids harm to and, where appropriate, enhances the natural environment. This could include, for example, creating and/or enhancing habitats to meet the objectives of the Tees*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
		Valley Biodiversity Action Plan. In seeking to avoid harm, development should follow the sequence of avoidance, mitigation, compensation. Where sufficient on-site mitigation and/or compensation are demonstrably not possible, then off-site compensation will be considered. Where significant harm from a development cannot be avoided (through locating on an alternative site), adequately mitigated or, as a last resort compensated for, the Borough Council will refuse planning permission. The Borough Council will consider the potential for a strategic approach to biodiversity accounting in conjunction with the Tees Valley Local Nature Partnership and in line with the above hierarchy *7) Existing woodland and trees of amenity value and nature conservation value are protected, and an increase in tree cover will be sought in appropriate locations in line with the Borough Council's Tree Strategy. Areas of ancient woodland, including ancient semi-natural woodland (ASNW), plantations on ancient woodland sites (PAWS), and ancient or veteran trees outside ancient woodland, will be protected unless there are exceptional circumstances. The Borough Council will also ensure that development does not result in the loss of or damage to ancient woodland (including ASNW and PAWS) by requiring the implementation of a buffer of at least 15 metres between development and the ancient woodland site (depending on the size of the site). For ancient or veteran trees, a buffer 15 times the stem diameter or 5 metres beyond the drip line of the leaf canopy should be maintained, whichever is the greater.* *8) Where appropriate Tree Preservation Orders will be used to protect trees under threat from development proposals. Where the loss of significant trees/hedgerows cannot be avoided their replacement by trees/shrubs/hedgerows of an appropriate scale and species for the area will be sought where practical.* *9) Development avoids the best and most versatile agricultural land – identified as grades 1, 2 and 3a in the National Agricultural Land Classification – unless it can be demonstrated that there will be no impact on the agricultural land and its quality and there are no material consideration that outweigh the loss of such land.* *10) In prioritising the re-development of brownfield land, areas that are important for biodiversity will be retained or recreated within the site, and remediation of contaminated land will be pursued.*

POLICY DOCUMENT	POLICY NUMBER	POLICY DETAIL
		11) The major/principal aquifers underlying Hartlepool along with watercourses and other surface and coastal waters will be protected from over abstraction and contamination from pollutants and saline intrusion resulting from development. Developments will be required to demonstrate that they do not impact on the major/principal aquifer underlying Hartlepool, along with watercourses and other surface and coastal waters and they can achieve access to a sustainable water supply prior to approval. *12) Opportunities are taken to retain, restore and de-culvert watercourses to improve their role and value as wildlife corridors and habitats.* *13) All development proposals, through the careful, sensitive management and design of development will ensure that the character, distinctiveness and quality of the Borough's landscape is protected and, where appropriate, enhanced. Any development within the Special Landscape Areas as defined on the Policies Map or which will have a visual impact on those areas will be required to demonstrate that they are in keeping with the area and will not have an adverse impact on the area's landscape character.* *14) Development has regard to coastal change, bathing water quality, and coastal processes over time, and in particular the need to avoid exacerbating coastal squeeze and incorporate measures to mitigate this where appropriate.*
	NE4 – Ecological Networks	*The Borough Council will also work with the Tees Valley Local Nature Partnership and adjoining Local Nature Partnerships to maintain and enhance ecological networks at a landscape scale across the Borough boundary. Where appropriate all developments will be required to maintain and enhance ecological networks in the vicinity of the proposal, complying with policy QP5. Where enhancements cannot be incorporated within the site then an off-site contribution may be sought, in accordance with policy NE2 and policy QP1.*

12A.9 ANNEX 3: Target Notes

- H2T TN1 A ditch holding water in some parts. The water is of good quality water, no algae, less than 5 % diameter, no floating or emergent plants, water levels are moderate, no shading and no INNS plants present.
- H2T TN2 A pond located in a field of neutral semi-improved grassland with a small patch of Typha sp. and common reed.
- H2T TN3 Japanese rose plant.
- H2T TN4 Swamp habitat dominated by common reed (*Phragmites australis*).
- HT2 TN5 A small watercourse dominated by Typha species that runs through an area of semi-improved neutral grassland.
- HT2 TN6 A broadleaved woodland plantation comprising of ash, oak, sycamore, hawthorn, blackthorn, white poplar.
- HT2 TN7 Standing water in a depression on poor semi-improved grassland. This standing water is connected to a small watercourse towards swamp habitat.
- HT2 TN8 Pond formed from a leaking water trough on is grazing marsh south of Dorman's Pool.
- H2T TN9 Semi-improved grassland with scattered depressions dominated by common reed (*Phragmites australis*). Some of the depressions hold water and wading birds were present.
- H2T TN10 A wet ditch which connects with an outflow pipe from Northumbria in the west out towards the river Tees. Embankment vegetation of semi-improved neutral grassland. The source of the water which flows through this ditch is unknown as the watercourse is underground.
- H2T TN11 A swamp habitat which will occasionally fill with water that is dominated by common reed.
- H2T TN12 A roe deer (*Capreolus capreolus*) was observed in the valley along the Pipeline Corridor.
- H2T TN13 Brown hare identified running across semi-improved neutral grassland with scattered scrub fragmented by hardstanding roads.
- H2T TN42 Floating pennywort (*Hydrocotyle ranunculoides*) plant located at the Fleet from Greatham Marsh dominating the watercourse and is a Schedule 9 Invasive non-native species.
- H2T TN14 Wall cotoneaster plant located on the embankments of a road.
- H2T TN15 Wall cotoneaster plant within the Eston Pumping Station LWS.
- H2T TN16 Barn owl (a Schedule 1 species) perched atop a tree next to a pond surrounded by scrub.
- H2T TN17 Linear pond with common reed (*Phragmites australis*).

- H2T TN18 Habitat suitable for reptiles.
- H2T TN19 *Cotoneaster sp.* hedgerow alongside Billingham Cemetery.
- H2T TN20 Wall cotoneaster (*Cotoneaster horizontalis*) present near The Fleet.
- H2T TN21 Wall cotoneaster (*Cotoneaster horizontalis*) present near weighbridge.
- H2T TN22 Hummingbird hawkmoth (*Macroglossum stellatarum*) observed on the slopes of the slag at STDC.
- H2T TN23 Himalayan balsam present alongside Mains Dike.
- H2T TN24 Cowpen Bewley Woodland Park. All habitats on the site are of recent secondary origin. The area surveyed comprises dense broad-leaved plantation woodland with a field layer of extensive bare ground, with locally extensive dense common nettle with cleavers.
- H2T TN25 Greenabella Marsh. The site is a former brinefield with no active management on reclaimed saltmarsh isolated from the estuary by a floodbank. Most of the site is now species-poor grassland consistent with most depauperate examples of the NVC MG1 *Arrhenatherum elatius* grassland community, *Festuca rubra* sub-community. Greenabella Marsh meets all five OMH criteria.
- H2T TN26 Brinefields floodplain grazing marsh assessment. Over most of the site there is a species-poor cattle and sheep grazing coastal grazing marsh community developed over brackish substrates but not typically exposed to tidal inundation. However, the site is subject to winter flooding. This grassland is of the NVC SM16d *Festuca rubra* salt-marsh community, *Leontodon autumnalis* sub-community. NVC survey for this site is in Annex 4.
- H2T TN27 Brinefields woodland and grassland assessment. In the north-east corner of the Brinefields there is a clearly defined area of habitat that sits at 2 m elevation above the grazing marsh and corresponds with made ground formed through historic deposition of steel work slag. The area has stands of stunted secondary woodland and around the woodland margins and in glades there is a flower-rich secondary grassland. NVC survey for this is in Annex 4.
- H2T TN28 Wilton area assessment. This area was surveyed from the boundaries as only part was accessible. Sufficient land was seen to understand the context of the land. The area meets the criteria for OMH and has a high incidence of *cotoneaster horizontalis* and *cotoneaster bullatus* with the former locally abundant. The site contains stands of flower-rich grassland and shrub is scattered across the OMH and in the order of 10 % total cover.
- H2T TN29 Japanese rose (*Rosa rugosa*) at Greenabella Marsh.
- H2T TN30 Willow tree (*Salix sp.*) plantation.
- H2T TN31 Dense scrub dominated by Buddleia (*Buddleja davidii*).

- H2T TN32 AND TN33 Native hedgerows within the farmed landscaped.
- HT2 TN34 Watercourses that make up the floodplain grazing marsh priority habitat.
- H2T TN35 Unmanaged species poor hedge adjacent to Mains Dyke.
- H2T TN36 Single giant hogweed (*Heracleum mantegazzianum*) plant.
- H2T TN37 Female common toad (*Bufo bufo*).
- HT2 TN38 Stand of giant hogweed (*Heracleum mantegazzianum*) plant.
- H2T TN39 Stand of bracken amongst semi-improved grassland on slope.
- H2T TN40 Area of swamp which is a former pond of approximately 0.75 hectares which has largely succeeded to swamp and is dominated by reed canary grass (*Phalaris arundinacea*) with occasional yellow flag iris (*Iris pseudacorus*) and bulrush (*Typha latifolia*). The area is being invaded by hawthorn, holm oak (*Quercus ilex*) and bramble (*Rubus fruticosus*) scrub.
- H2T TN41 The Fleet watercourse.
- H2T TN43 Semi-improved neutral grassland.
- H2T TN44 Wall cotoneaster (*Cotoneaster horizontalis*) within grassland in Eston Pumping Station LWS
- H2T TN45 Dabholm Gut – brackish channel with dense bramble (*Rubus fruticosus*) on embankments.
- HT2 TN46 Dabholm Beck – more natural tributary which flows underground into Dabholm Gut.
- HT2 TN47 Mains Dike. Slow moving stream with a silt base, surrounded by semi-improved grassland, scrub and woodland vegetation.
- H2T TN48 Second stretch of mains dyke to the east of the Wilton International Complex.
- H2T TN49 Land typical of previously industrial areas within the Wilton International Complex with matrices of hardstanding, bare ground, scrub and ephemeral/short perennial habitat. Species include sea buckthorn (*Hippophae rhamnoides*), false oat grass (*Arrhenatherum elatius*), buddleia (*Buddleja davidii*), rosebay willowherb, birds-foot trefoil (*Lotus Corniculatus*), wild parsnip (*Pastinaca sativa*), common toadflax (*Linaria vulgaris*), willow species (*Salix sp.)*, bramble (*Rubus fruticosus*), creeping thistle (*Cirsium arvense*) and red valerian (*Centranthus ruber*).
- H2T TN50 The Main Site. Area is predominantly bare ground following demolition works with scattered colonising short perennial species.
- H2T TN51 More species-rich semi-improved grassland south of the Main Site with species including cocksfoot (*Dactylis glomerata*), common bent (*Agrostis capillaris*), borage (*Borago officinalis*), lady's bedstraw (*Galium verum*), oxeye

daisy (*Leucanthemum vulgare*), birds-foot trefoil (*Lotus corniculatu*), kidney vetch (*Anthyllis vulneraria*), common knapweed (*Centaurea nigra*) and cuckooflower (*Cardamine pratensis*).

- H2T TN52 Arable crop field adjacent to the east of the Wilton International Complex and Hydrogen Pipeline Corridor.
- H2T TN53 Screening plantation woodland at Wilton International.
- H2T TN54 Screening plantation woodland at STDC.
- H2T TN55 Secondary broadleaved woodland in the north-east of the Brinefields.
- H2T TN56 Dense scrub of bramble and hawthorn.
- H2T TN57 Semi-improved grassland and scattered scrub.
- H2T TN58 Species poor defunct hedgerow.
- H2T TN59 Species poor defunct hedgerow.
- H2T TN60 Semi-improved grassland with scattered trees and scrub as part of a wider open mosaic habitat on previously developed land.
- H2T TN61 Semi-improved grassland with scattered scrub.
- H2T TN62 Semi-improved grassland with scattered scrub.
- H2T TN63 Semi-improved grassland as part of a wider open mosaic habitat on previously developed land.
- H2T TN64 Poor semi-improved grassland on Cowpen Marsh.
- H2T TN65 Poor semi-improved grassland on the Brinefields.
- H2T TN66 Poor semi-improved grassland on Cowpen Marsh.
- H2T TN67 Improved grassland.
- H2T TN68 Short ephemeral vegetation at Eston Pumping Station LWS.
- H2T TN69 Short ephemeral vegetation north-east of the Brinefields.
- H2T TN70 Amenity grassland and introduced shrub.
- H2T TN71 Greatham Creek river.
- H2T TN72 Unnamed watercourse located on the Brinefields.
- H2T TN73 Unnamed watercourse located on the Brinefields.
- H2T TN74 Unnamed watercourse that appears above ground for 50 m
- H2T TN75 Saline lagoon on Greenabella Marsh LWS.
- H2T TN76 Standing bodies of water on the Brinefields.
- H2T TN77 Standing body of water within an area of cut swamp habitat.
- H2T TN78 Swamp habitat located at the norther end of RSPB Dorman's Pool.

- H2T TN79 Swamp habitat.

12A.10 ANNEX 4: Plates



Plate 12A-1: Broadleaved woodland plantation at Cowpen Bewley Woodland Park (H2T TN24) with public footpaths creating grassy walkways



Plate 12A-2: Broad-leaved woodland plantation at Cowpen Bewley Woodland Park (H2T TN24)



Plate 12A-3: Broad-leaved plantation woodland used as screening at National Grid Saltholme site with hardstanding road and enclosed poor semi-improved grassland (H2T TN6)



Plate 12A-4: Broad-leaved plantation woodland used as screening Wilton International (H2T TN53)



Plate 12A-5: Broad-leaved plantation woodland used as screening at STDC with neutral semi-improved grassland (H2T TN54)



Plate 12A-6: Immature broad-leaved plantation at Wilton International dominated by willow (H2T TN30)



Plate 12A-7: Willow plantation at Wilton International (H2T TN30)



Plate 12A-8: Semi-natural broadleaved woodland adjacent to the Brinefields (H2T TN55)



Plate 12A-9: Semi-natural broadleaved woodland adjacent to the Brinefields with neutral semi-improved grassland (H2T TN55)



Plate 12A-10: Dense scrub of bramble at PD Teesport (H2T TN57).



Plate 12A-11: Dense scrub of bramble and hawthorn at PD Teesport near Dabholm Gut (H2T TN56)



Plate 12A-12: Semi-improved neutral grassland with scattered scrub of hawthorn and dog rose at STDC (H2T TN57)



Plate 12A-13: Species-poor defunct hedgerow around a pond at Wilton International (H2T TN58)



Plate 12A-14: Species-poor defunct hedgerow adjacent to Billingham Community Fire Station (H2T TN59)



Plate 12A-15: Semi-improved grassland with scattered scrub and trees at STDC (H2T TN60)



Plate 12A-16: Semi-improved grassland with scattered scrub at STDC (H2T TN61).



Plate 12A-17: Semi-improved grassland with scattered scrub at the STDC weighbridge



Plate 12A-18: Semi-improved grassland as part of a wider open mosaic habitat on previously developed land at Greenabella Marsh LWS (H2T TN63)



Plate 12A-19: Semi-improved grassland (including short ephemeral) as part of a wider open mosaic habitat on previously developed land at STDC (H2T TN60)



Plate 12A-20: Species-rich secondary semi-improved grassland adjacent to the Brinefields (H2T TN27)



Plate 12A-21: Species-rich secondary semi-improved grassland adjacent to the Brinefields (H2T TN27.



Plate 12A-22: Poor semi-improved grassland at Cowpen Marsh (H2T TN64)



Plate 12A-23: Poor semi-improved grassland at the Brinefields



Plate 12A-24: Poor semi-improved grassland at Cowpen Marsh (H2T TN66)



Plate 12A-25: Improved grassland north of Cowpen Marsh (H2T TN67)



Plate 12A-26: Short ephemeral vegetation at Eston Pumping Station LWS (H2T TN68)



Plate 12A-27: Short ephemeral vegetation at STDC (H2T TN60)



Plate 12A-28: Semi-improved grassland and short ephemeral vegetation at Greenabella Marsh LWS (H2T TN63)



Plate 12A-29: Short ephemeral vegetation adjacent to the Brinefields (H2T TN69)



Plate 12A-30: Amenity grassland with introduced shrub on an industrial site (H2T TN70).



Plate 12A-31: Greatham Creek River (H2T TN71)



Plate 12A-32: Dabholm Gut watercourse at PD Teesport (H2T TN45)



Plate 12A-33: The Fleet watercourse at STDC (H2T TN41)



Plate 12A-34: Unnamed watercourse located on the Brinefields (H2T TN72)



Plate 12A-35: Unnamed watercourse located on the Brinefields (H2T TN70)



Plate 12A-36: Mains Dike watercourse east of Wilton International (H2T TN47).



Plate 12A-37: Unnamed watercourse at Wilton International (H2T TN74)



Plate 12A-38: Small waterbody located at National Grid Saltholme (H2T TN2)



Plate 12A-39: Pond located at Wilton International (H2T TN17)



Plate 12A-40: Large saline lagoon located at Greenabella Marsh LWS (H2T TN75)



Plate 12A-41: Standing water located at the Brinefields (H2T TN76)



Plate 12A-42: Standing water connected to Belasis Beck (H2T TN7).



Plate 12A-43: Standing water in an area of recently cleared swamp habitat (H2T TN77).



Plate 12A-44: Swamp adjacent to Belasis Beck and Holme Fleet (H2T TN4)



Plate 12A-45: Swamp at the northern edges of Dorman's Pool (H2T TN78)



Plate 12A-46: Swamp adjacent to Billingham Community Fire Station (H2T TN79)



Plate 12A-47: Floating Pennywort within The Fleet at STDC (H2T TN42)

12A.11 ANNEX 5: NVC Detailed Botanical Survey Forms

Table 12A-13: NVC Detailed Botanical Survey Form for Sabic Brinefield

Project Name	H2	Date	7/6/2023	Recorders	DB/BC	Land parcel	Sabic - Brinefield	Photo ref.		Sheet no.	

Broad vegetation type	Swamp ¨ Mire ¨ Heath ¨ Maritime ¨	Grassland n Tall-herb fen ¨ Open habitat ¨	Substrate	Acid ¨ Calcareous ¨ Neutral n Not known ¨	Condition	Improved ¨ Semi-improved n Unimproved ¨ Not relevant ¨
Hydrology	Wet ¨ Dry ¨	Transitional n	Age/ origin	Sown/recent origin ¨ Semi-natural n	Aspect	All

Slope	Flat	Water Depth	None

Layers Mean Height		m		m	15	cm		mm	Habitat Area		m x		m
Layers Cover		%		%	100	%		%	Quadrat/sample size	2	m x	2	m

Quadrat	1		2		3		4		5		Frequency (I-V)
Quadrat Grid Reference	Electronic equipment not permitted on site										
Species List	%	Domin	%	Domin	%	Domin	%	Domin	%	Domin	
Juncus gerardii	80	9	70	8	65	8	58	8	78	9	V
Agrostis stolonifera	4	4	5	4	3	3	10	4	3	3	V
Lysimachia maritima	5	4	2	2	1	1	30	6	2	2	V
Festuca rubra	10	4	10	4					10	4	III
Poa pratensis			3	3	2	2			3	3	III
Trifolium repens			10	4	20	5			3	3	III
Carex distans			1	1	5	4					II
Triglochin maritima	1	1									I
Ranunculus acris					3	3					I
Lotus pedunculatus					2	2					I
Plantago maritima							2	2			I
Other species in wider stand											
Carex otrubae											
Aster tripolium											
Bellis perennis											
Scorzoneroides autumnalis											
Limonium vulgare											
Alopecurus geniculatus											
Rumex crispus											
Bare rock											
Bare soil	0		1		0		2		0		
Leaf litter/ thatch											
Permanent open water											

Further information required, see back of sheet

Domin scale	1: few individuals, 2: several individuals, 3: many individuals, 4: 4-10%, 5: 11-25%, 6: 26-33%, 7: 34-50%, 8: 51-75%, 9: 76-90%, 10: 91-100%
Quadrat sizes	Short herbaceous 2x2m; tall and more open herb communities 4x4m; species poor, very tall herbaceous 10x10m; linear features such as streams, ditches, verges can use strips e.g 1x4m, 2x8m.
Frequency	Number of quadrats which the species occurs in, use Roman numerals I to V, where I=20% of quadrats and V=100%.

Table 12A-14: NVC Detailed Botanical Survey Form for Sabic Brinefield 2

Project Name	H2	Date	7/6/2023	Recorders	DB/BC	Land parcel	Sabic - Brinefield	Photo ref.		Sheet no.	

Broad vegetation type	Swamp ¨ Mire ¨ Heath ¨ Maritime ¨	Grassland n Tall-herb fen ¨ Open habitat ¨	Substrate	Acid ¨ Calcareous ¨ Neutral n Not known ¨	Condition	Improved ¨ Semi-improved n Unimproved ¨ Not relevant ¨
Hydrology	Wet ¨ Dry n	Transitional ¨	Age/ origin	Sown/recent origin ¨ Semi-natural n	Aspect	All

Slope	Flat	Water Depth	None

Layers Mean Height		m		m	20	cm		mm	Habitat Area		m x		m
Layers Cover		%		%	100	%		%	Quadrat/sample size	2	m x	2	m

Quadrat	1		2		3		4		5		Frequency (I-V)
Quadrat Grid Reference	Electronic equipment not permitted on site										
Species List	%	Domin	%	Domin	%	Domin	%	Domin	%	Domin	
Trifolium repens	10	4	25	5	25	5	25	5	25	5	V
Festuca rubra	55	8	45	7	35	7	40	7	30	6	V
Poa pratensis	3	3	3	3	2	2	1	1	2	2	V
Carex distans	5	4	5	4	1	1	2	2	2	2	V
Ranunculus acris	8	4	3	3	2	2	5	4	8	4	V
Cerastium fontanum	1	1	1	1	1	1	3	3	2	2	V
Agrostis stolonifera	10	4	10	4	8	4	15	5	5	4	V
Cirsium arvense	3	3			3	3	3	3	3	3	IV
Lotus corniculatus	3	3			2	2	5	4	8	4	IV
Juncus gerardii	3	3	3	3	15	5					III
Jacobaea vulgaris					1	1	1	1	3	3	III
Plantago lanceolata					2	2	2	2	2	2	III
Trifolium dubium	2	2			1	1					II
Ranunculus repens			4	4	3	3					II
Torilis japonica							1	1	1	1	II
Cirsium vulgare			1	1							I
Odontites vernus					2	2					I
Poa trivialis					2	2	1	1			I
Vicia cracca							1	1			I
Medicago lupulina									3	3	I
Dactylis glomerata									5	4	I
Other species in winder stand											
Carex otrubae											
Carduus nutans											
Dactylorhiza purpurella											
Cynosurus cristatus											
Bare rock											
Bare soil											
Leaf litter/ thatch											
Permanent open water											

Further information required, see back of sheet

Domin scale	1: few individuals, 2: several individuals, 3: many individuals, 4: 4-10%, 5: 11-25%, 6: 26-33%, 7: 34-50%, 8: 51-75%, 9: 76-90%, 10: 91-100%
Quadrat sizes	Short herbaceous 2x2m; tall and more open herb communities 4x4m; species poor, very tall herbaceous 10x10m; linear features such as streams, ditches, verges can use strips e.g 1x4m, 2x8m.
Frequency	Number of quadrats which the species occurs in, use Roman numerals I to V, where I=20% of quadrats and V=100%.

Species List	1		2		3		4		5		Frequency (I-V)
	%	Domin	%	Domin	%	Domin	%	Domin	%	Domin	

Descriptive notes: negative indicators species (weeds), shrub/tree cover, management regime, other impacts, limitations

Other flora in wider habitat area- accurate typing of vegetation may require information on other flora present but missed by the quadrats

Domin scale	1: few individuals, 2: several individuals, 3: many individuals, 4: 4-10%, 5: 11-25%, 6: 26-33%, 7: 34-50%, 8: 51-75%, 9: 76-90%, 10: 91-100%
Frequency	Number of quadrats which the species occurs in, use Roman numerals I to V.