



VectorMap Local

Published 2015

Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

- - - - -
- | SJ67NE |
- | 2015 |
- | Variable |
- - - - -
- | SJ67SE |
- | 2015 |
- | Variable |
- - - - -

Historical Map - Slice A

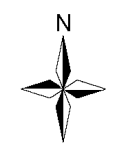
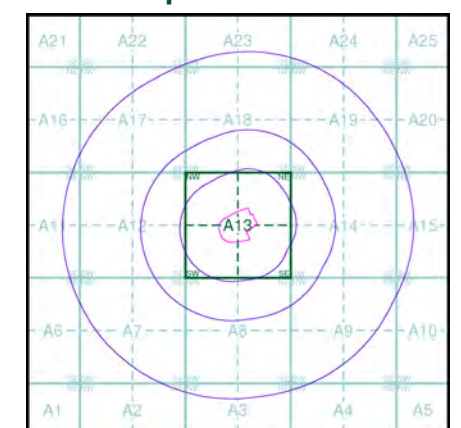
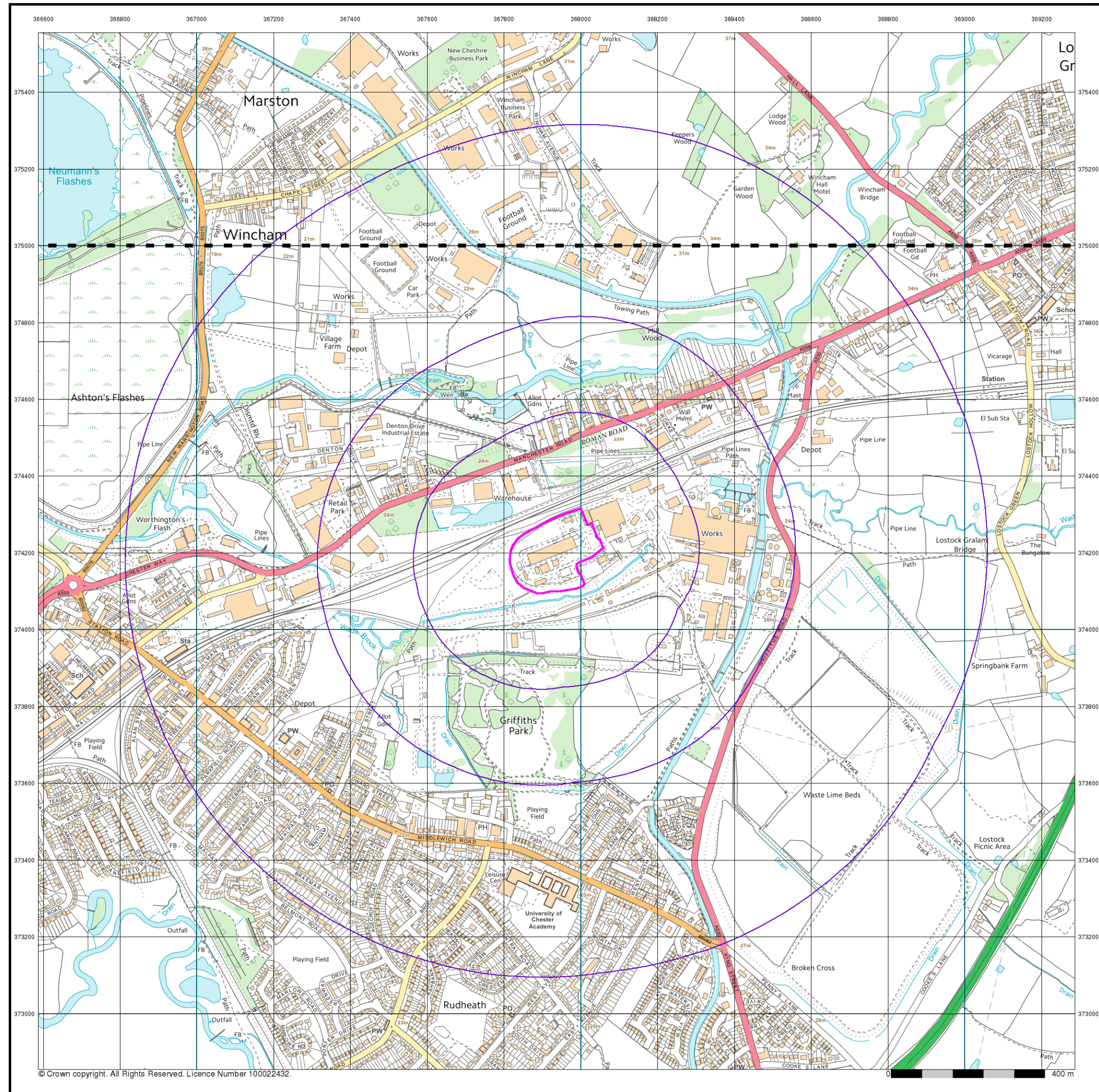


Figure Number: 5.0



Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	-285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		Heath
	Rough Grassland		Marsh
	Reeds		Saltings
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Burgh or District Council		
	Borough, Burgh or County Constituency <small>Shown only when not coincident with other boundaries</small>		
	Civil Parish <small>Shown alternately when coincidence of boundaries occurs</small>		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W Well


1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	MHW(S) Mean high water (springs)		MLW(S) Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	BM 123.45 m Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building



Figure Number: 5.P



KEY:
 Access road

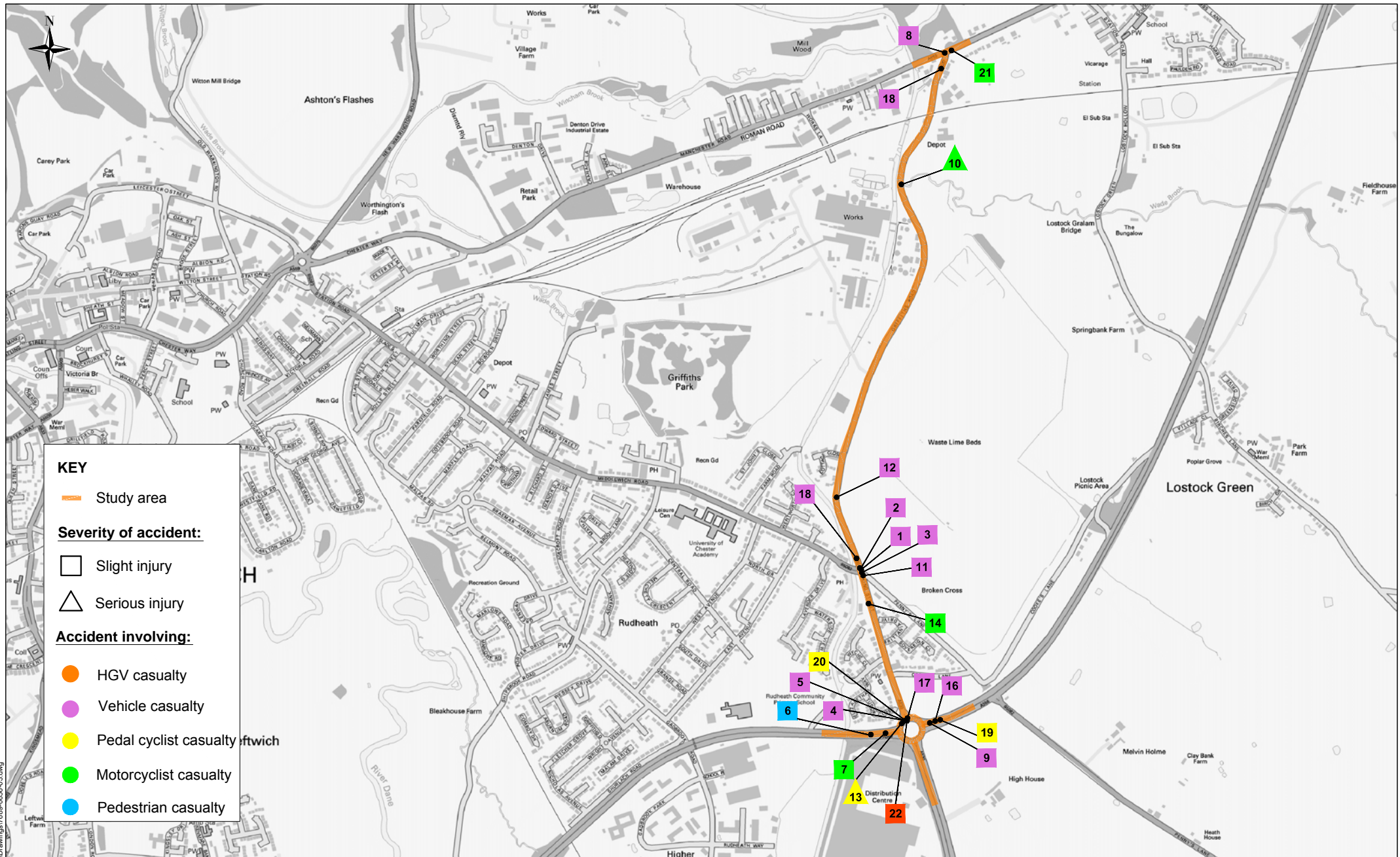


Date: **AUGUST 2015** Scale: **1:25,000** Rev: -
 Drwg. No: **JNY8507** Drawn: **AVG** Checked: **NC**

Project:
RENESSANCE NORTHWICH

Title:
SITE LOCATION PLAN

Figure No:
6.A



KEY

Study area

Severity of accident:

Slight injury

Serious injury

Accident involving:

HGV casualty

Vehicle casualty

Pedal cyclist casualty

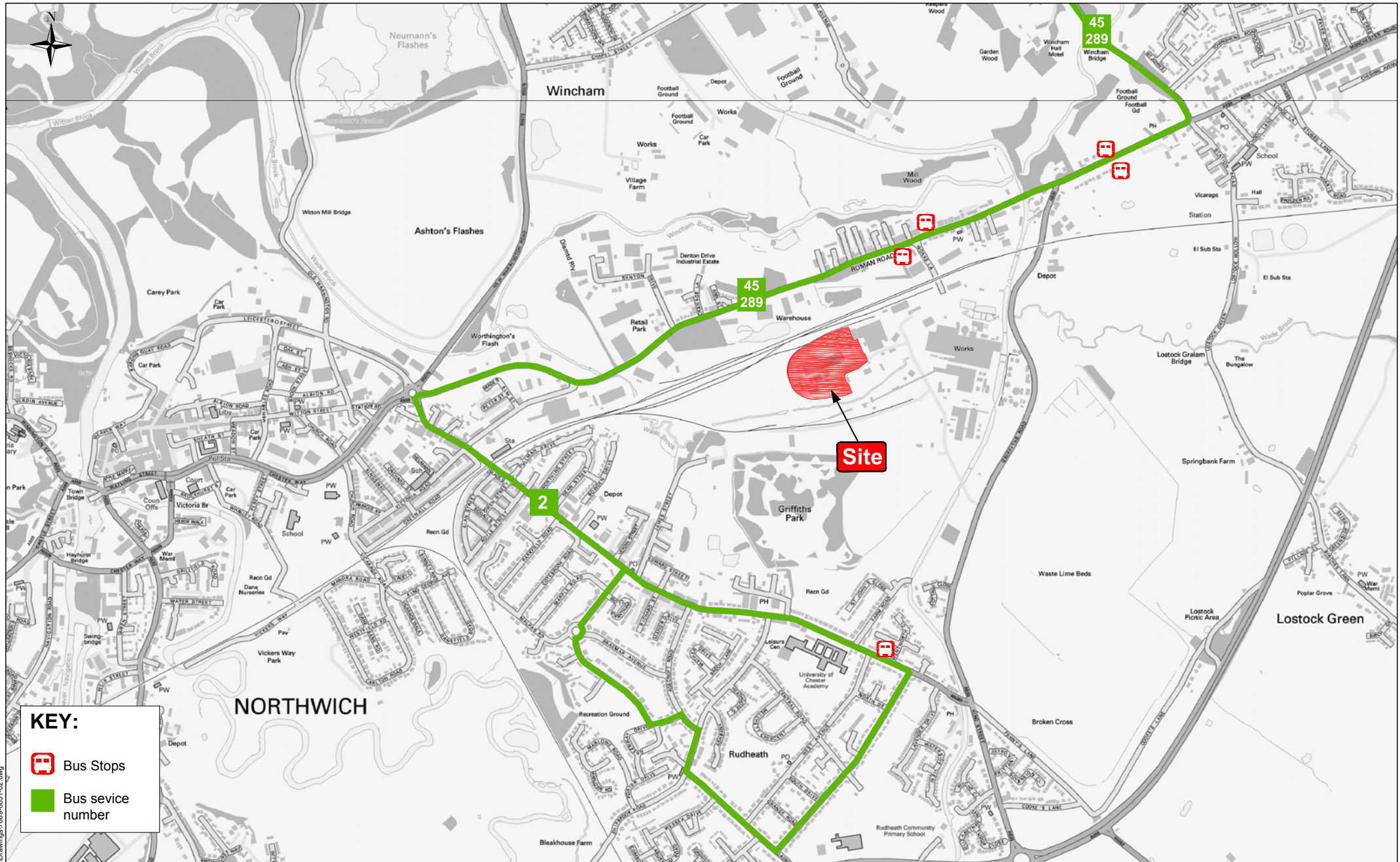
Motorcyclist casualty

Pedestrian casualty



O:\17689 Newbury Tech Support\TechDrawings\7689-0656-03.dwg

Date: AUGUST 2015	Scale: 1:15000	Rev: -
Drwg. No: JNY8507-02	Drawn: AVG	Checked: NC

Project: RENESCIENCE NORTHWICH
Title: ROAD SAFETY ANALYSIS
Figure No: 6.B



KEY:

-  Bus Stops
-  Bus service number

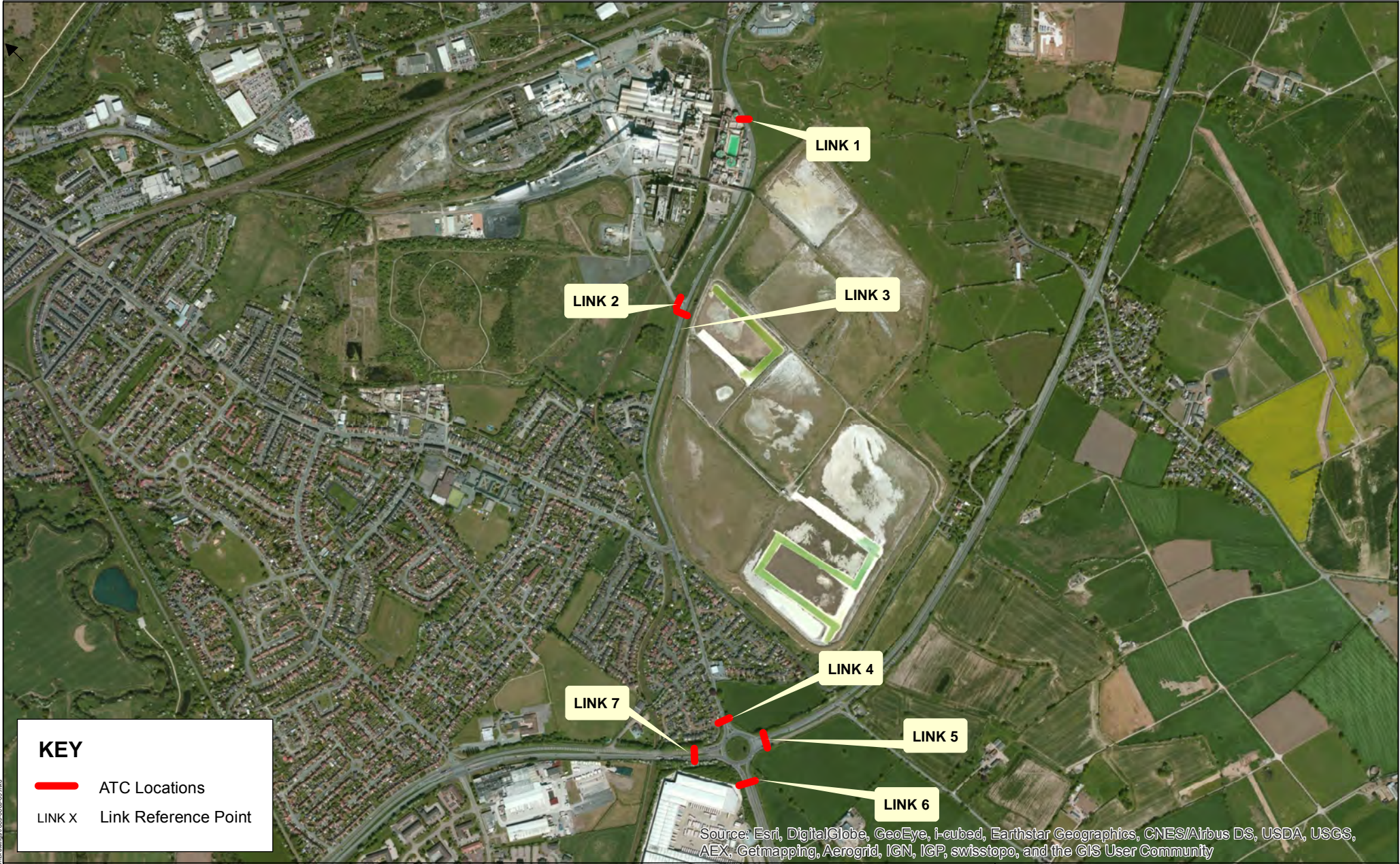


Date: **AUGUST 2015** Scale: **1:15,000** Rev: -
 Drwg. No: **JNY8507** Drawn: **AVG** Checked: **NC**

Project: **RENESCIENCE NORTHWICH**

Title: **LOCAL BUS ROUTES**

Figure No: **6.C**



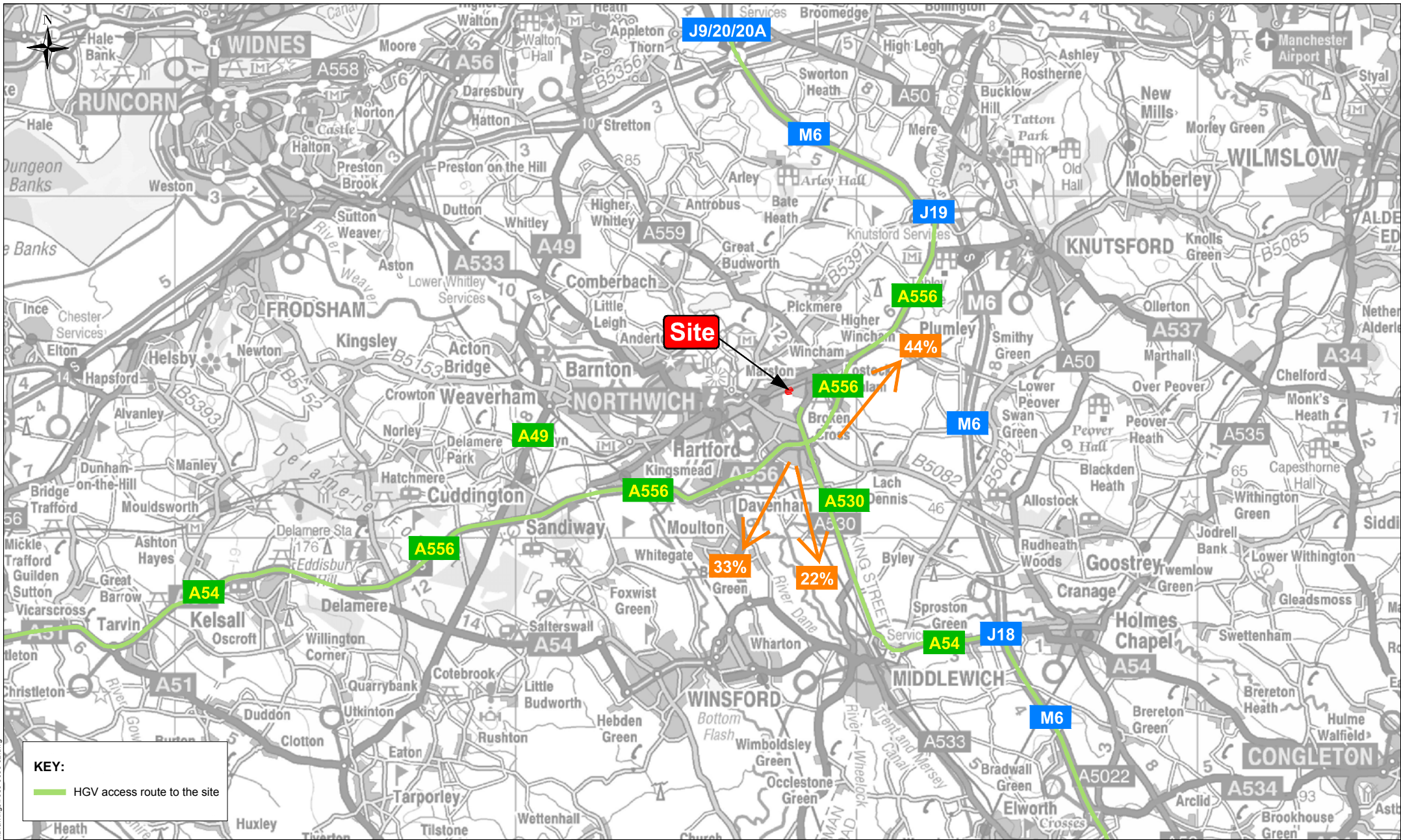
KEY


- ATC Locations
- LINK X Link Reference Point

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

RPS	Project: RENESCENCE, NORTHWICH	
	Title: ATC AND LINK LOCATION PLAN	
Date: Oct 2015	Scale: 12,500	Rev: ..
Drwg. No: JNY8507	Drawn: AVG	Checked: NC
		Figure No: 6.D

Path: C:\GIS\Newbury_Elec_Support\Tech_Drawings\7688_7688_0615_03.mxd



KEY:
 HGV access route to the site



Date: SEPTEMBER 2015 Scale: 1:150,000 Rev: -
 Dwg. No: JNY8507 Drawn: AVG Checked: NC

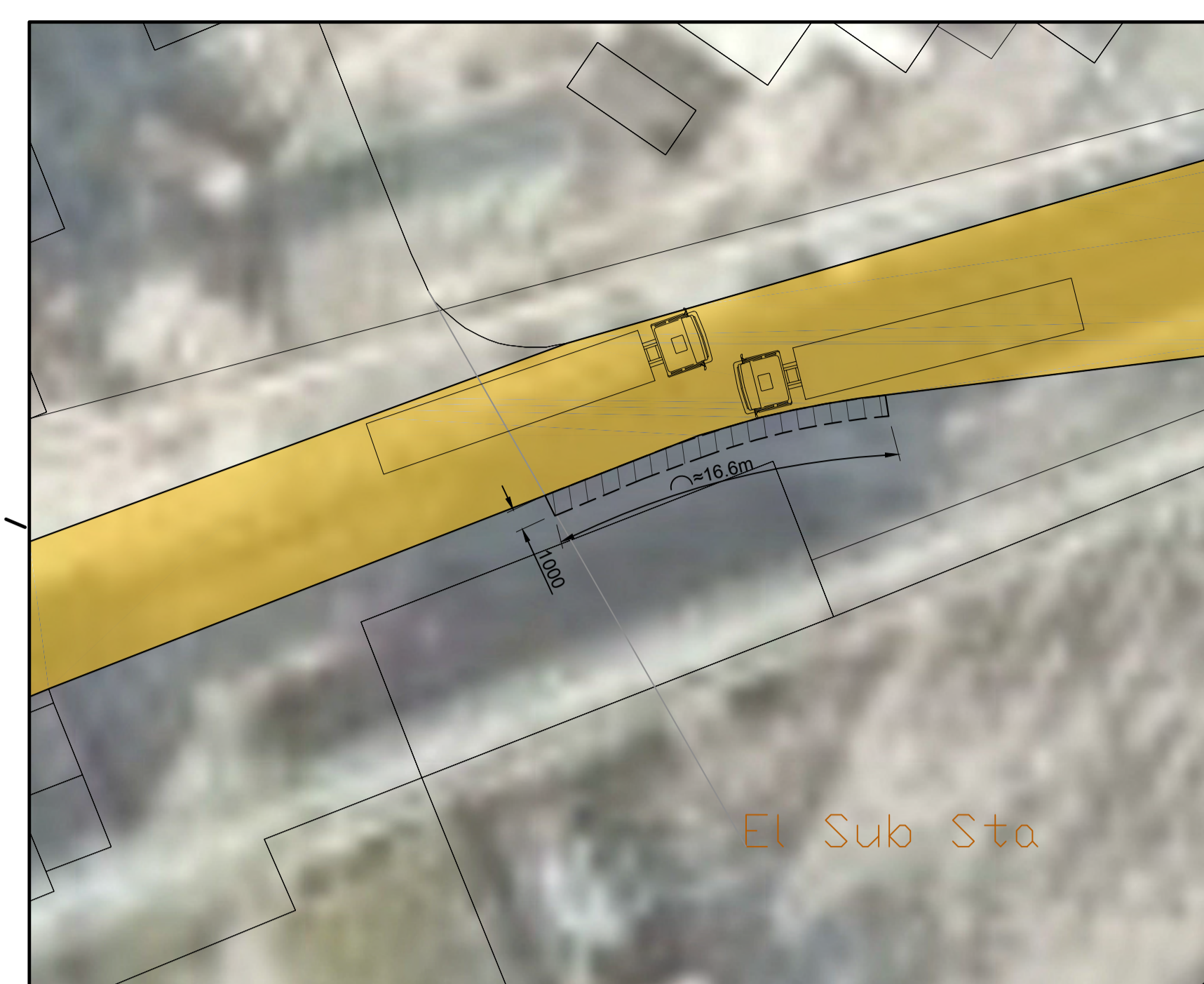
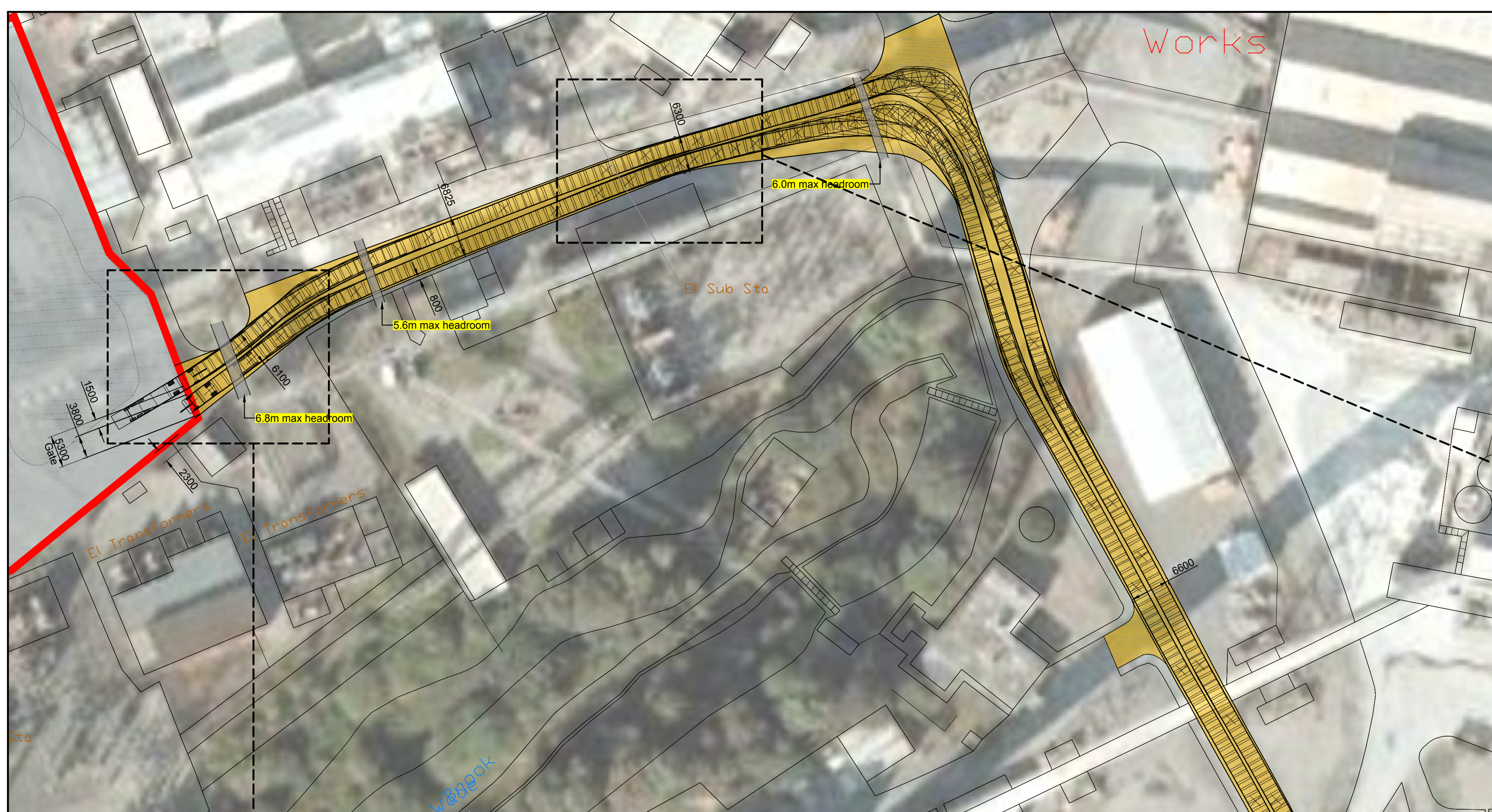
Project: RENESCENCE NORTHWICH
 Title: HGV ROUTING PLAN

Figure No: 6.E

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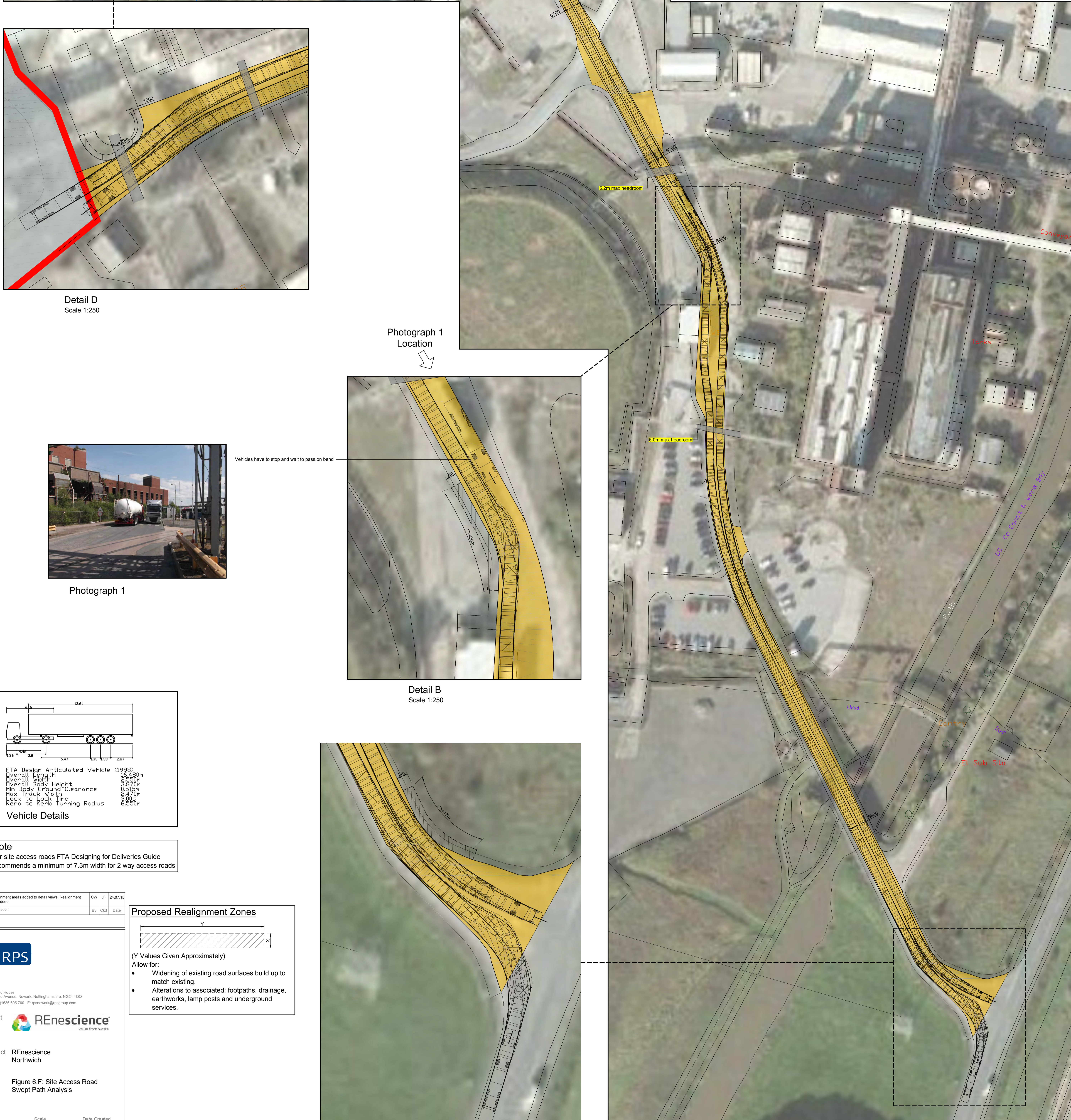
Site access road



Detail C
Scale 1:250



Detail D
Scale 1:250



Photograph 1 Location

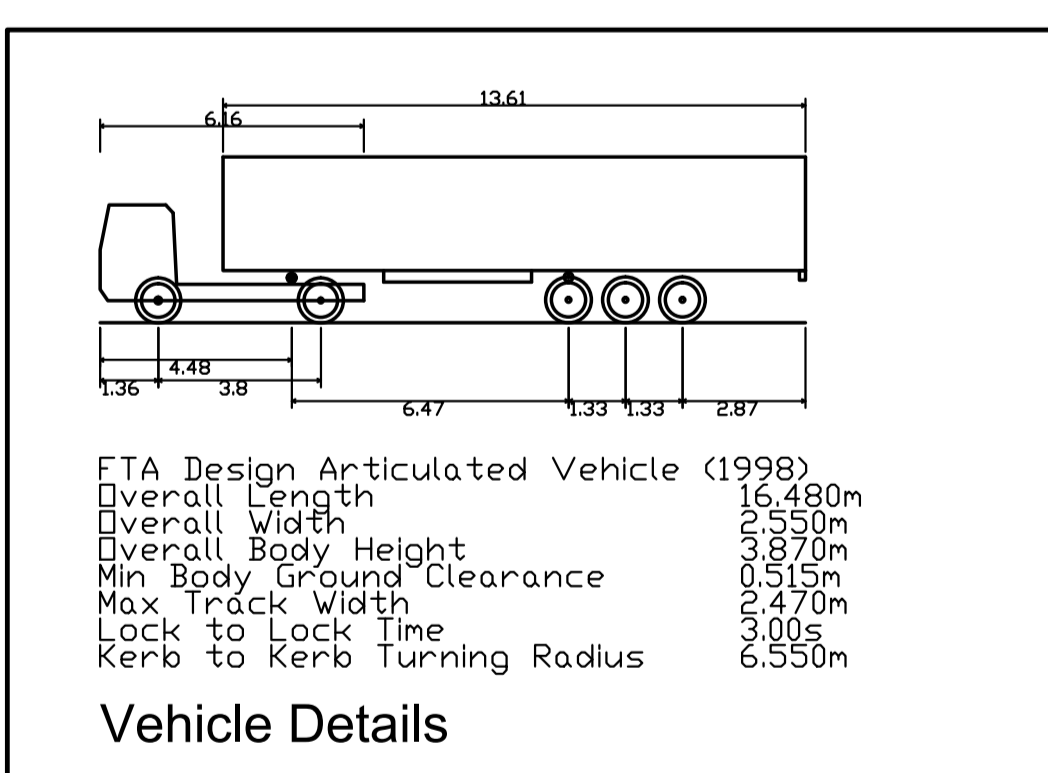


Detail B
Scale 1:250



Photograph 1

Vehicles have to stop and wait to pass on bend

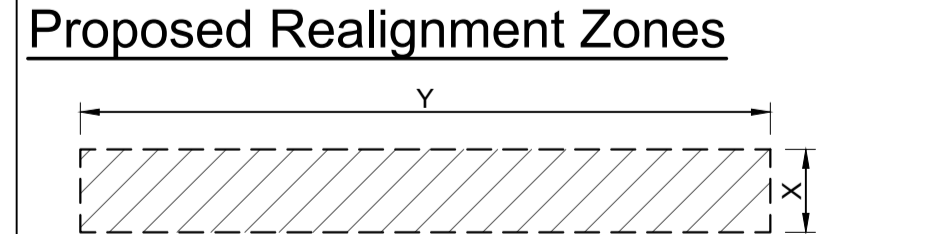


Note
For site access roads FTA Designing for Deliveries Guide recommends a minimum of 7.3m width for 2 way access roads

Rev A Realignment areas added to detail views. Realignment note added.

Rev	Description	By	Clk	Date
A	Realignment areas added to detail views. Realignment note added.	CW	JF	24.07.15

Proposed Realignment Zones



(Y Values Given Approximately)

Allow for:

- Widening of existing road surfaces built up to match existing.
- Alterations to associated: footpaths, drainage, earthworks, lamp posts and underground services.



Detail A
Scale 1:250

Shenwood House, Sherwood Avenue, Newark, Nottinghamshire, NG24 1QG
T: +44 (0)1636 605 700 E: rpsnewark@rpsgroup.com

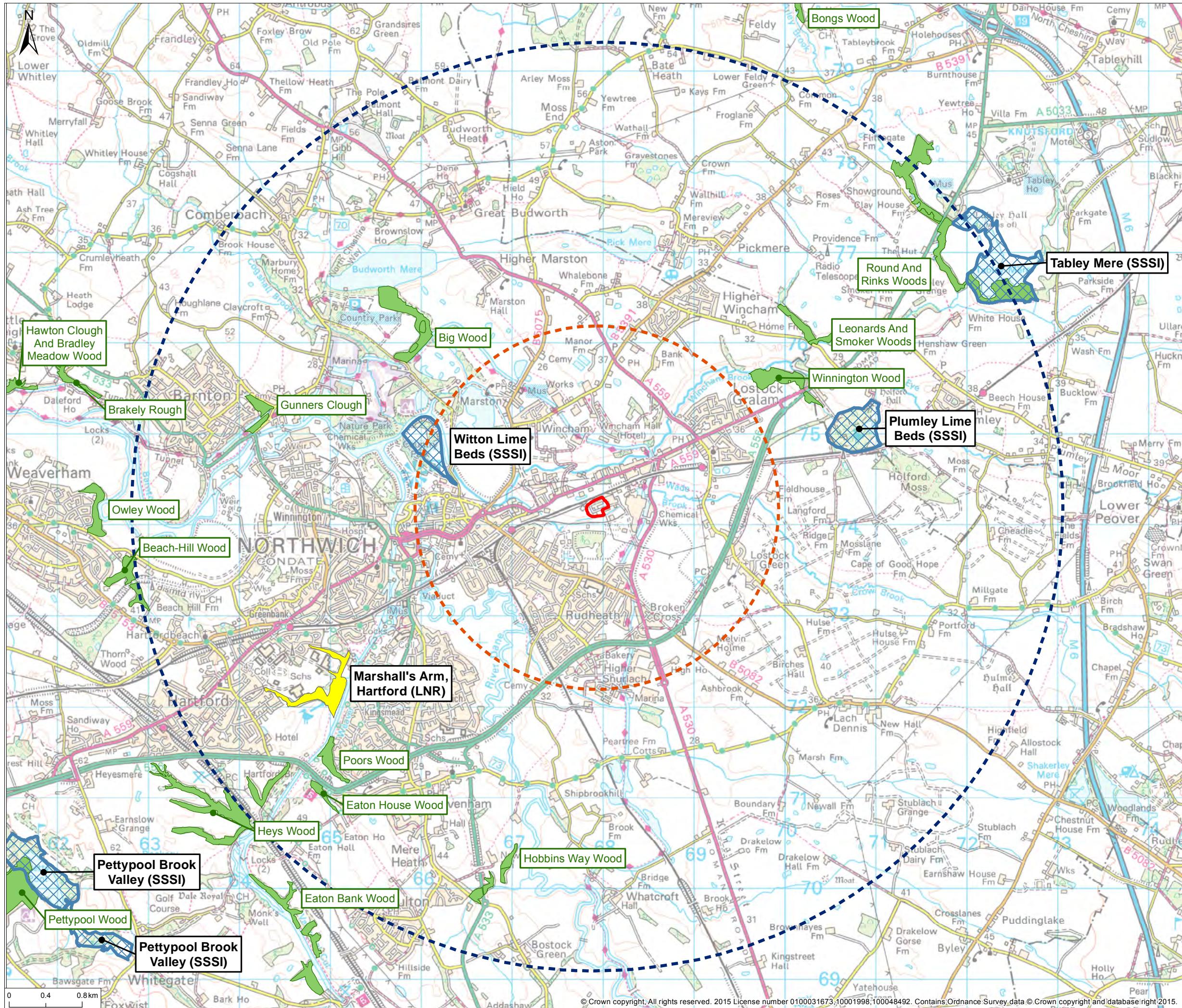
Client **REnescience**
value from waste

Project **REnescience Northwch**

Title **Figure 6.F: Site Access Road Swept Path Analysis**

Status	Scale	Date Created
Final	1:500 @A0	13.07.2015
Project Leader	Drawn By	Checked By
AY	DW	JF

Drawing Number	Rev
NK018157_SK035	A



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- Legend**
- Site boundary
 - 5km buffer
 - 2km buffer
 - Site of Special Scientific Interest (SSSI)
 - Local Nature Reserve (LNR)
 - Ancient Woodland

Rev	Description	Date	Initial	Checked



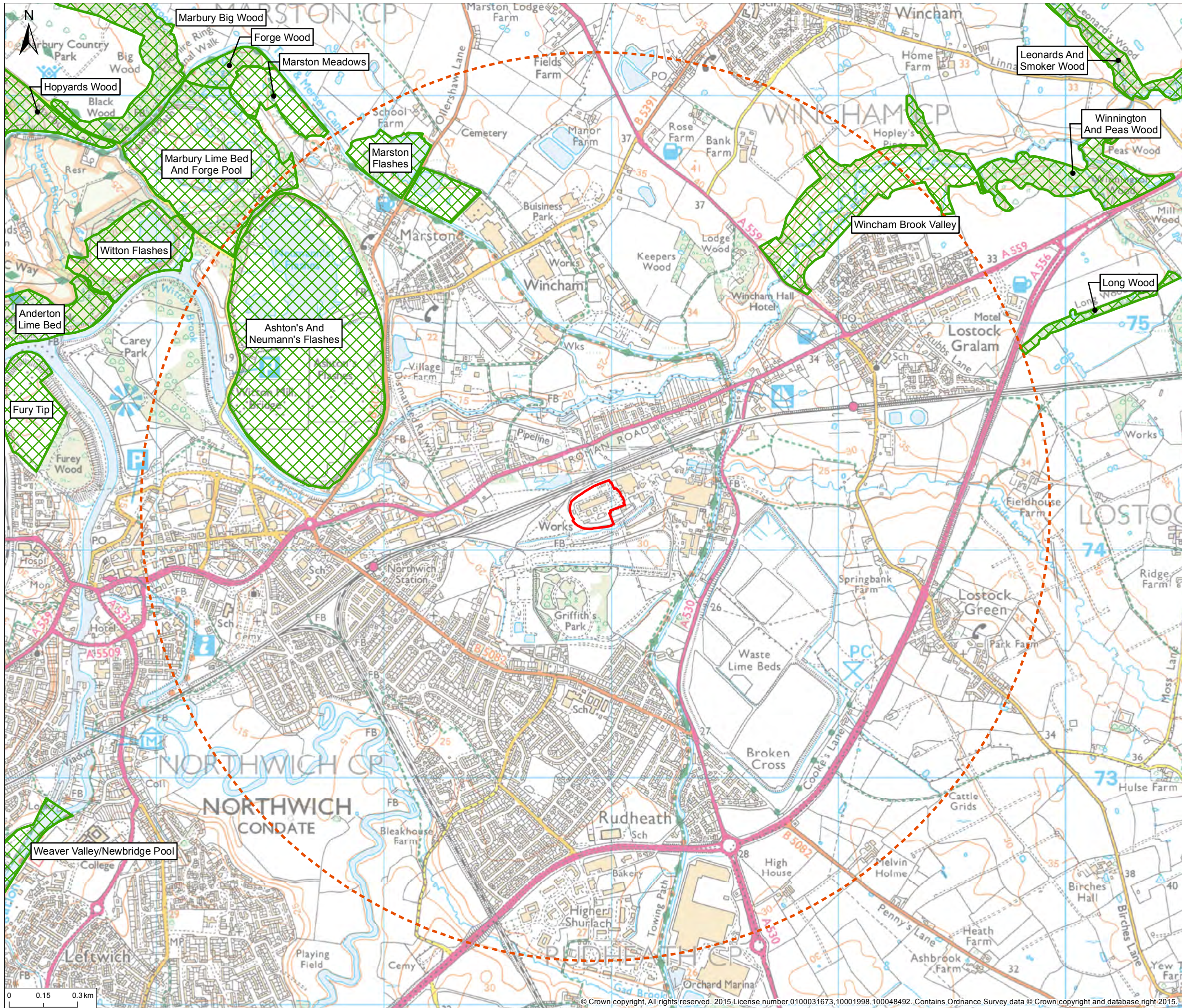
20 Western Avenue
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 OX14 4SH
 T: +44(0)1235 821 888 E: rps@rpsgroup.com F: +44(0)1235 834 698

Client **DONG Energy Ltd**
 Project **REnescience Northwich**
 Title **Designated sites within 5km of the site**

Status	Drawn By:	PM/Checked By
FINAL	RM	LM
Job Ref	Scale @ A3	Date Created
OXF9009	1:40,000	SEP 15

Figure Number	Rev
7.A	1

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- Legend**
- Site boundary
 - 2km buffer
 - Local Wildlife Sites

Rev	Description	Date	Initial	Checked



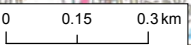
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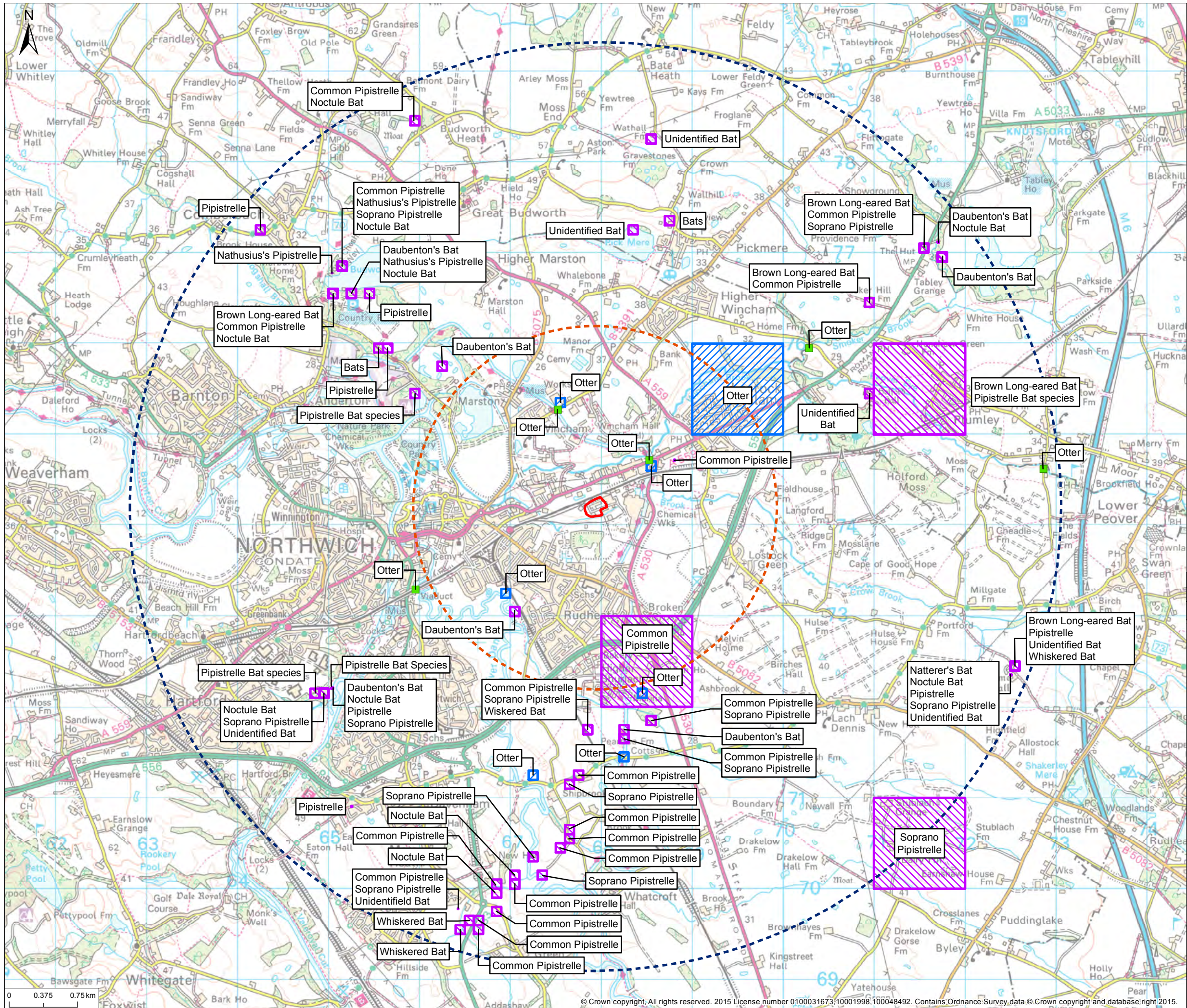
Client **DONG Energy Ltd**
 Project **REnescience Northwich**
 Title **Non-statutory designated sites within 2km of the site**

Status **FINAL** Drawn By: **BF** PM/Checked By: **LM**
 Job Ref **OXF9009** Scale @ A3: **1:16,000** Date Created: **SEP 15**

Figure Number **7.B** Rev **1**

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Legend

- Site boundary
- 2km buffer
- 5km buffer
- Bat records
- Otter records

Environment Agency record
■ contains Environment Agency information (c) Environment Agency and database right

Rev	Description	Date	Initial	Checked



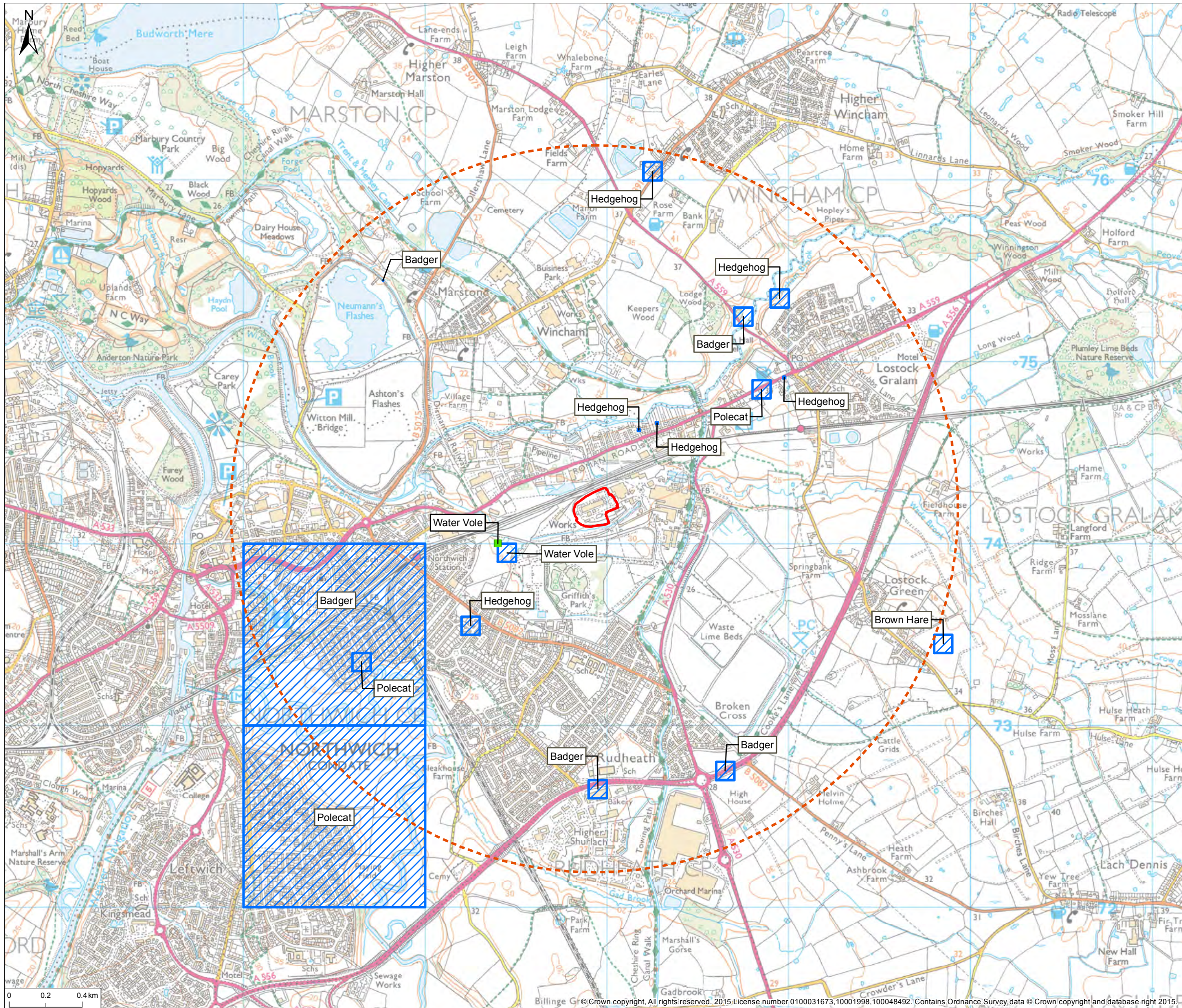
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Client **DONG Energy Ltd**
 Project **REnescience Northwich**
 Title **Bat and otter records within 5km of the site**

Status **FINAL** Drawn By: **BF** PM/Checked By: **LM**
 Job Ref **OXF9009** Scale @ A3: **1:40,000** Date Created: **SEP 15**

Figure Number **7.C** Rev **1**

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- Legend**
- Site boundary
 - 2km buffer
 - Protected and notable mammal records
 - Environment Agency record contains Environment Agency Information (c) Environment Agency and database right

Rev	Description	Date	Initial	Checked



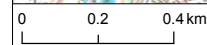
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Client **DONG Energy Ltd**
 Project **REnescience Northwich**
 Title **Other protected and notable mammals within 2km of the site**

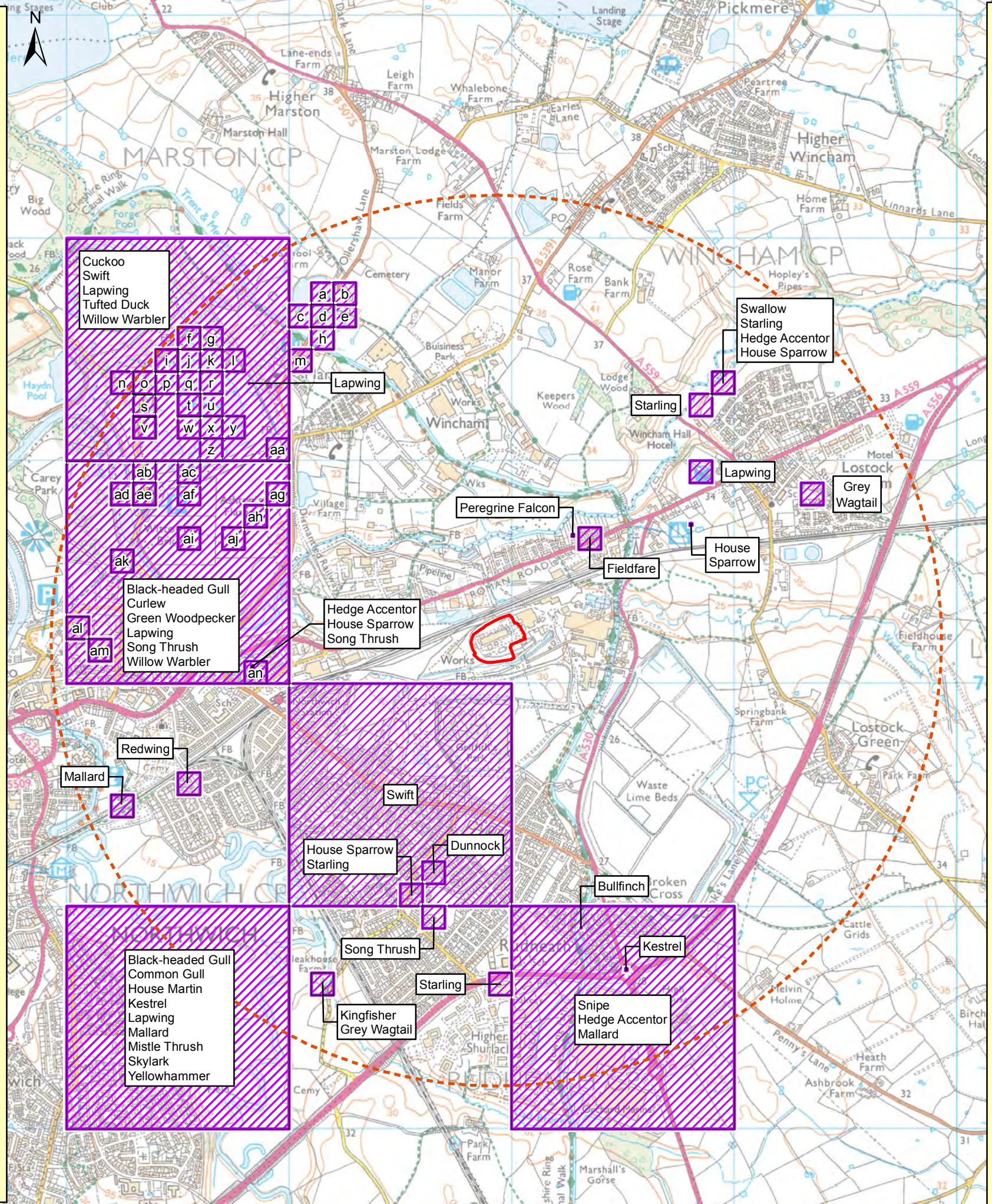
Status	Drawn By:	PM/Checked By
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Job Ref	Scale @ A3	Date Created
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Figure Number	Rev
7.D	1

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- Species Record Key 1.**
- a. Black-headed Gull
 - Common Tern
 - Tufted Duck
 - b. Tufted Duck
 - c. Mallard
 - Tufted Duck
 - d. Whooper Swan
 - e. Mallard
 - Shoveler
 - f. Swallow
 - Kestrel
 - Swift
 - Curlew
 - Oystercatcher
 - Gadwall
 - Green Woodpecker
 - Mallard
 - Peregrine Falcon
 - Reed Bunting
 - Ringed Plover
 - Song Thrush
 - Willow Warbler
 - g. Oystercatcher
 - h. Mallard
 - i. Arctic Tern
 - Barn Owl
 - Black-headed Gull
 - Black-legged Kittiwake
 - Black-tailed Godwit
 - Cuckoo
 - Goldeneye
 - Grasshopper Warbler
 - Greenshank
 - Redshank
 - Snipe
 - Dunlin
 - Curlew
 - Hobby
 - Oystercatcher
 - Teal
 - Golden Plover
 - Gadwall
 - Green Sandpiper
 - Green Woodpecker
 - Jack Snipe
 - Little Egret
 - Little Grebe
 - Little Plover
 - Mediterranean Gull
 - Goshawk
 - Lapwing
 - Pintail
 - Shoveler
 - Pied Avocet
 - Ringed Plover
 - Ruddy Shelduck
 - Sand Martin
 - Short-eared Owl
 - Whimbrel
 - Whinchat
 - Willow Warbler
 - Wood Sandpiper
 - Yellow Wagtail
 - j. Lapwing
 - k. Gadwall
 - Lapwing;
 - l. Redshank
 - m. Bullfinch
 - Reed Bunting
 - n. Whitethroat
 - o. Goldeneye
 - Curlew
 - Ringed Plover
 - Green Woodpecker
 - Reed Bunting
 - q. Lapwing
 - Tufted Duck
 - r. Teal
 - Greylag Goose
 - Lesser Black-backed Gull
 - Mallard
 - Tufted Duck




- Species Record Key 2.**
- s. Bullfinch
 - Cuckoo;
 - t. Black-headed Gull
 - Guillemot
 - Redshank
 - Whitethroat
 - Dunlin
 - Oystercatcher
 - Golden Plover
 - Herring Gull
 - Lesser Black-backed Gull
 - Little Plover
 - Lapwing
 - Reed Bunting
 - Ringed Plover
 - Ruddy Shelduck
 - Whimbrel
 - Willow Warbler
 - u. Black-headed Gull
 - Curlew
 - Lapwing
 - v. Barn Owl
 - Barnacle Goose
 - Black-headed Gull
 - Bullfinch
 - Goldeneye
 - Snipe
 - Swift
 - Common Tern
 - Dunlin
 - Curlew
 - Hobby
 - Gadwall
 - House Martin
 - Jack Snipe
 - Lapwing
 - Shoveler
 - Ringed Plover
 - Sky Lark
 - Tufted Duck
 - Willow Warbler;
 - w. Black-headed Gull
 - Curlew
 - Lapwing
 - x. Black-headed Gull
 - Great Black-backed Gull
 - y. Curlew
 - z. Swift
 - aa. Bullfinch
 - ab. Willow Warbler
 - ac. Willow Warbler
 - ad. Hobby
 - Woodcock
 - Ring Ouzel
 - Whinchat
 - ae. Green Woodpecker
 - Reed Bunting
 - Willow Warbler
 - af. Snipe
 - ag. Swallow
 - Black Tern
 - Black-headed Gull
 - Snipe
 - Swift
 - Gadwall
 - Garganey
 - Jack Snipe
 - Little Grebe
 - Little Plover
 - Mallard
 - Lapwing
 - Pintail
 - Shoveler
 - Peregrine Falcon
 - Ringed Plover
 - Sand Martin
 - Short-eared Owl
 - Tufted Duck
 - Whimbrel
 - ah. Green Sandpiper
 - Pintail
 - ai. Snipe
 - aj. Black-headed Gull
 - Sky Lark

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- Legend**
- Site boundary
 - 2km buffer
 - Bird records

- Species Record Key 3.**
- ak. Willow Warbler
 - al. Tufted Duck
 - am. Swallow
 - Black-headed Gull
 - Kestrel
 - Redshank
 - Snipe
 - Starling
 - Swift
 - Common Tern
 - Whitethroat
 - Curlew
 - Oystercatcher
 - Gadwall
 - Green Sandpiper
 - Greylag Goose
 - Lesser Black-backed Gull
 - Little Plover
 - Mallard
 - Lapwing
 - Reed Bunting
 - Sand Martin
 - Sky Lark
 - Song Thrush
 - Tufted Duck
 - an. Snipe
 - Whitethroat
 - Oystercatcher
 - Lapwing
 - Shoveler

Rev	Description	Date	Initial	Checked



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Client DONG Energy Ltd

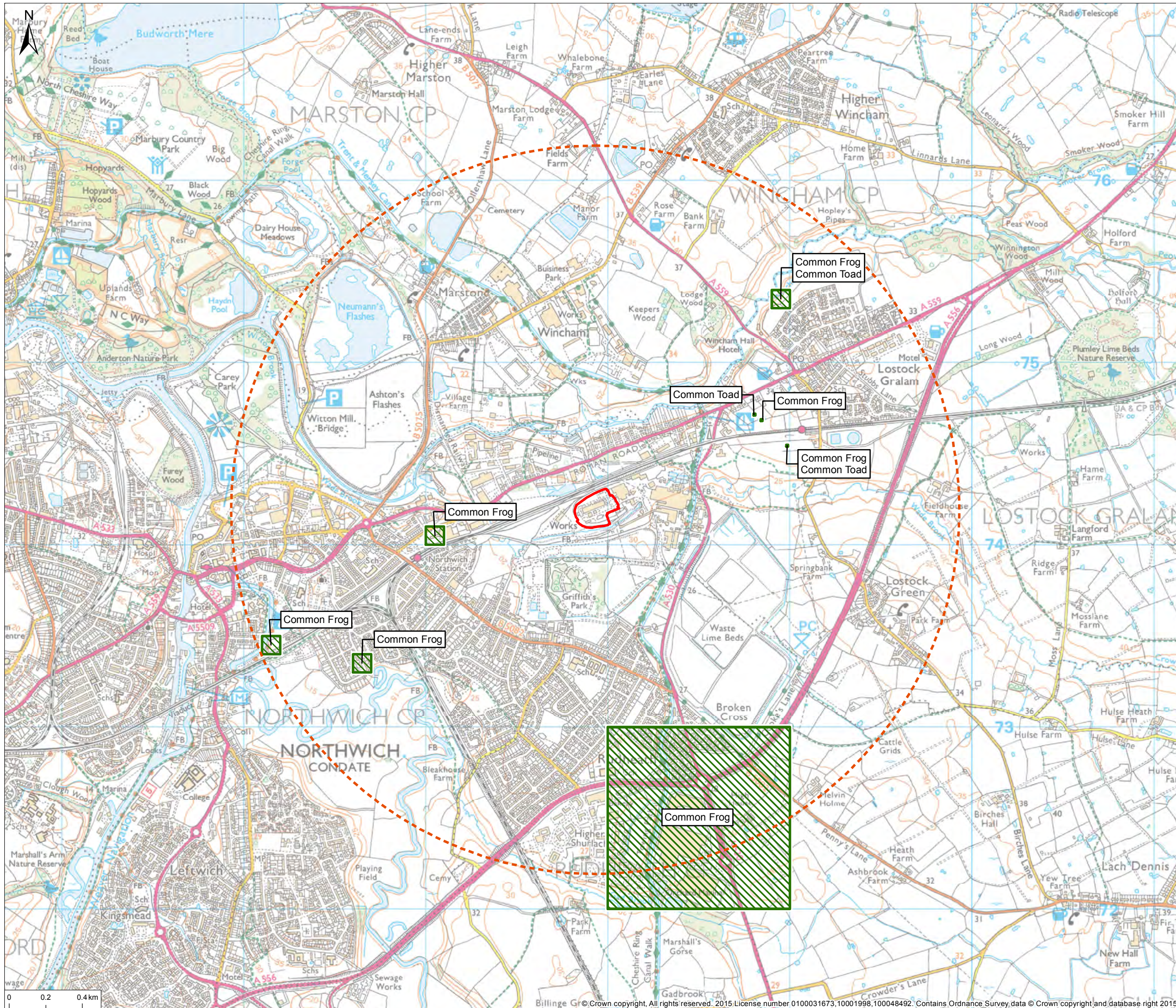
Project REnescience Northwich

Title Protected and notable birds within 2km of the site

Status	Drawn By:	PM/Checked By
FINAL	BF	LM
Job Ref	Scale @ A3	Date Created
OXF9009	1:20,000	SEP 15

Figure Number	Rev
7.E	1

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- Legend**
- Site boundary
 - 2km buffer
 - Amphibian records

Rev	Description	Date	Initial	Checked



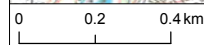
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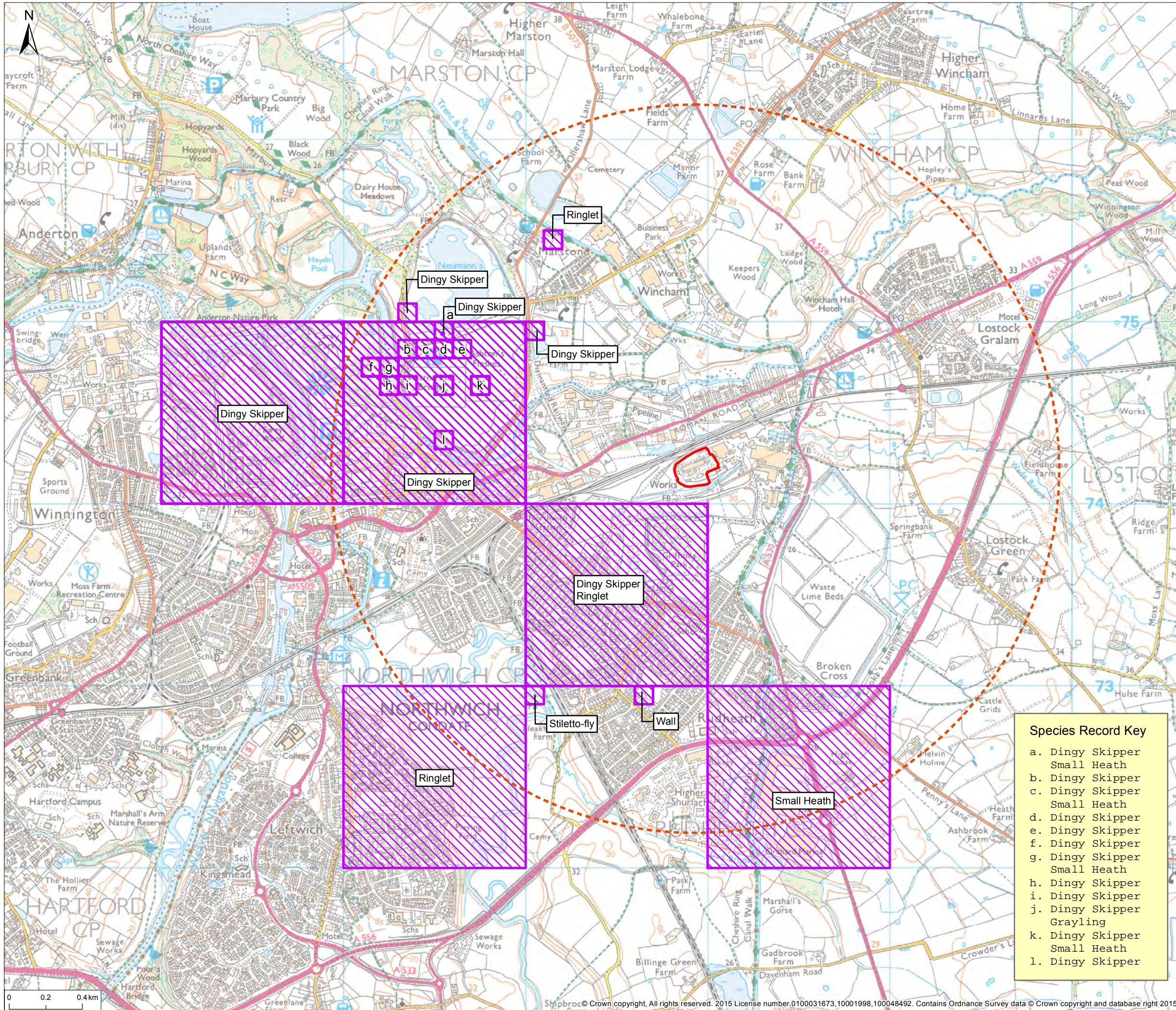
Client **DONG Energy Ltd**
 Project **REnescience Northwich**
 Title **Protected & notable herpetofauna within 2km of the site**

Status **FINAL** Drawn By: **BF** PM/Checked By: **LM**
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Figure Number **7.F** Rev **1**

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- Legend**
- Site boundary
 - 2km buffer
 - Invertebrate records

Rev	Description	Date	Initial	Checked



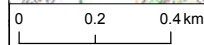
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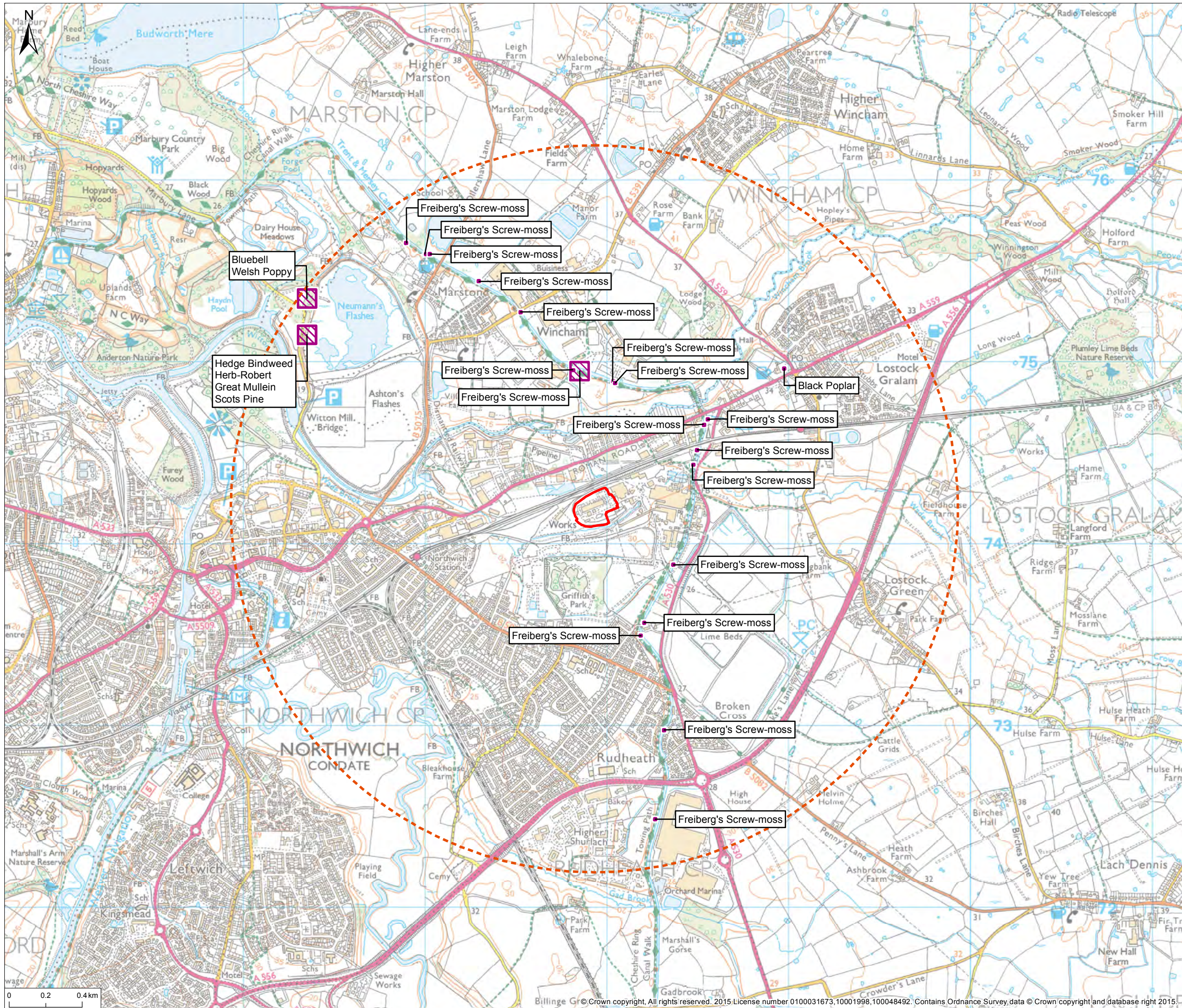
Client **DONG Energy Ltd**
 Project **REnescience Northwich**
 Title **Protected & notable invertebrate within 2km of the site**

Status **FINAL** Drawn By: **BF** PM/Checked By: **LM**
 Job Ref **OXF9009** Scale @ **A3** Date Created: **SEP 15**
 1:20,000

Figure Number **7.G** Rev **1**

- Species Record Key**
- a. Dingy Skipper
Small Heath
 - b. Dingy Skipper
 - c. Dingy Skipper
Small Heath
 - d. Dingy Skipper
 - e. Dingy Skipper
 - f. Dingy Skipper
 - g. Dingy Skipper
Small Heath
 - h. Dingy Skipper
 - i. Dingy Skipper
 - j. Dingy Skipper
Grayling
 - k. Dingy Skipper
Small Heath
 - l. Dingy Skipper





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- Legend**
- Site boundary
 - 2km buffer
 - Flora records

Rev	Description	Date	Initial	Checked



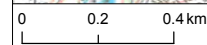
20 Western Avenue
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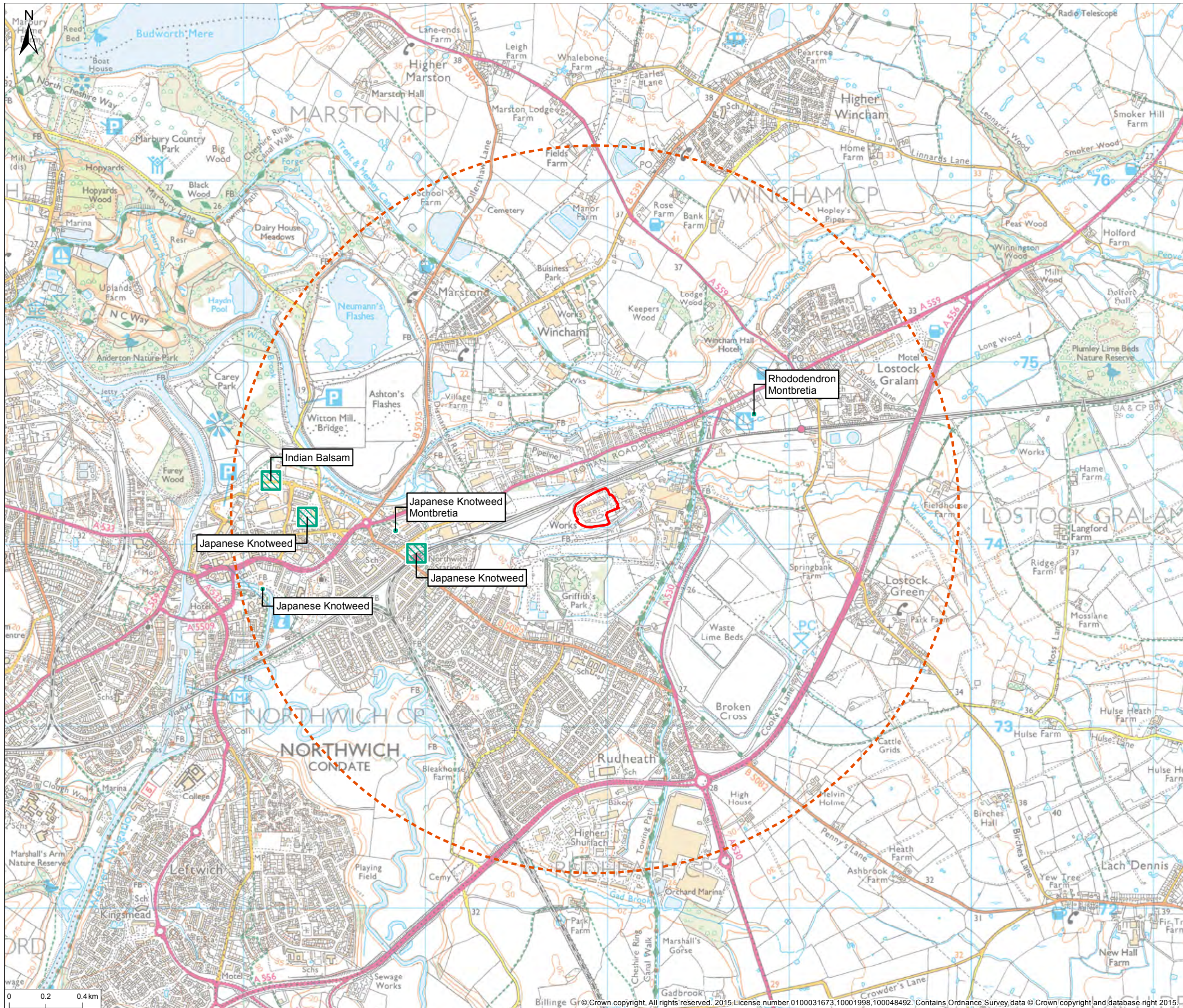
Client **DONG Energy Ltd**
 Project **REnescience Northwich**
 Title **Protected and notable flora within 2km of the site**

Status	Drawn By:	PM/Checked By
FINAL	BF	LM
Job Ref	Scale @ A3	Date Created
OXF9009	1:20,000	SEP 15

Figure Number	Rev
7.H	1

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- Legend**
- Site boundary
 - 2km buffer
 - Invasive flora records

Rev	Description	Date	Initial	Checked



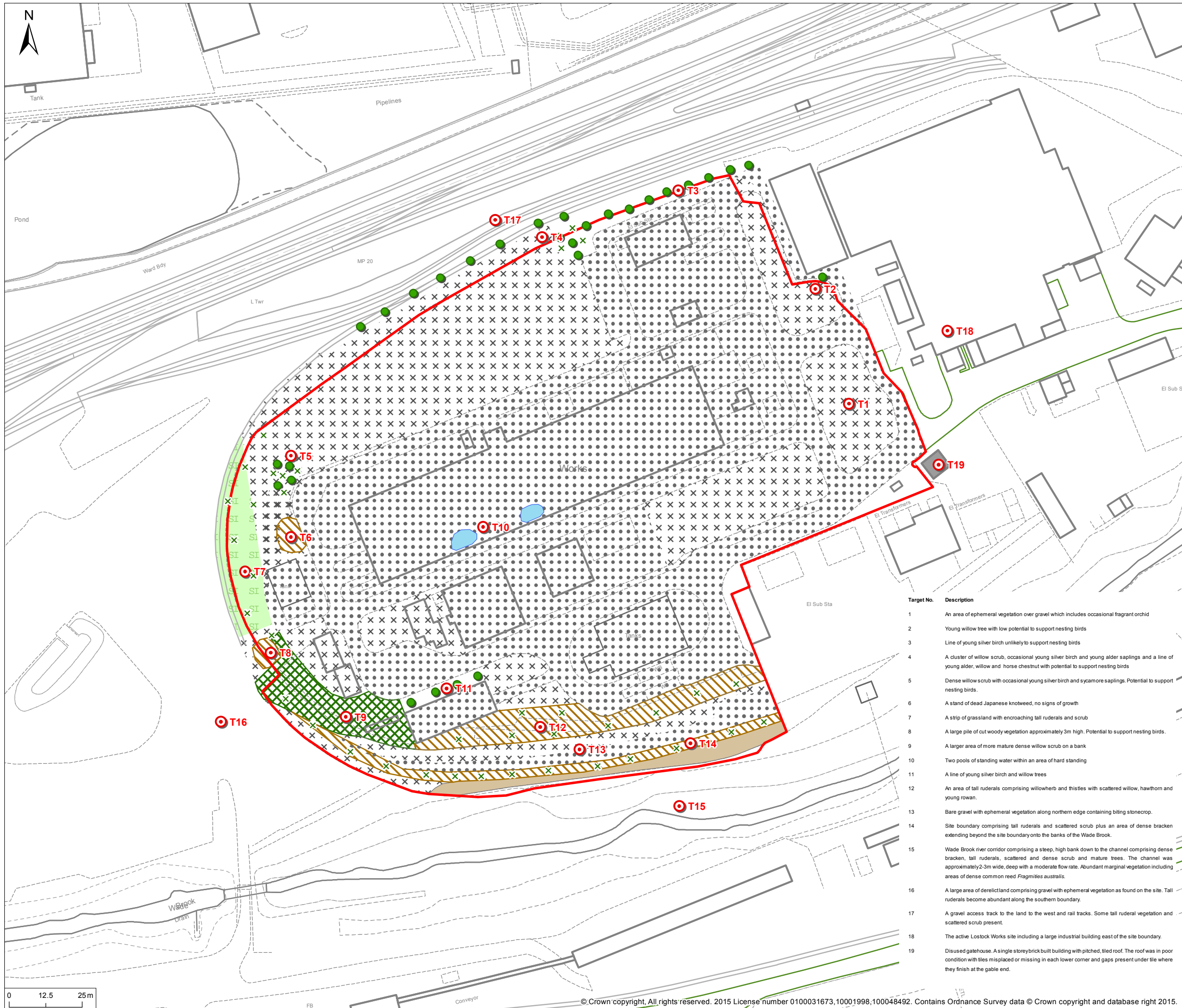
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Client **DONG Energy Ltd**
 Project **REnescience Northwich**
 Title **Invasive flora within 2km of the site**

Status	Drawn By:	PM/Checked By
FINAL	BF	LM
Job Ref	Scale @ A3	Date Created
OXF9009	1:20,000	SEP 15

Figure Number	Rev
7.1	1

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- Legend**
- Site boundary
 - Dense scrub
 - Poor semi improved grassland
 - Continuous Bracken
 - Tall ruderal
 - Standing water
 - Ephemeral/short perennial
 - Bare ground (hard standing)
 - Building
 - Broadleaved tree
 - Scattered scrub
 - Target note

Note: the buildings shown on the OS map within the site boundary are no longer present on the site, having been demolished to ground level in 2013

Target No.	Description
1	An area of ephemeral vegetation over gravel which includes occasional fragrant orchid
2	Young willow tree with low potential to support nesting birds
3	Line of young silver birch unlikely to support nesting birds
4	A cluster of willow scrub, occasional young silver birch and young alder saplings and a line of young alder, willow and horse chestnut with potential to support nesting birds
5	Dense willow scrub with occasional young silver birch and sycamore saplings. Potential to support nesting birds.
6	A stand of dead Japanese knotweed, no signs of growth
7	A strip of grassland with encroaching tall ruderals and scrub
8	A large pile of cut woody vegetation approximately 3m high. Potential to support nesting birds.
9	A larger area of more mature dense willow scrub on a bank
10	Two pools of standing water within an area of hard standing
11	A line of young silver birch and willow trees
12	An area of tall ruderals comprising willowherb and thistles with scattered willow, hawthorn and young rowan.
13	Bare gravel with ephemeral vegetation along northern edge containing biting stonecrop.
14	Site boundary comprising tall ruderals and scattered scrub plus an area of dense bracken extending beyond the site boundary onto the banks of the Wade Brook.
15	Wade Brook river corridor comprising a steep, high bank down to the channel comprising dense bracken, tall ruderals, scattered and dense scrub and mature trees. The channel was approximately 2-3m wide, deep with a moderate flow rate. Abundant marginal vegetation including areas of dense common reed <i>Fragmites australis</i> .
16	A large area of derelictland comprising gravel with ephemeral vegetation as found on the site. Tall ruderals become abundant along the southern boundary.
17	A gravel access track to the land to the west and rail tracks. Some tall ruderal vegetation and scattered scrub present.
18	The active Lostock Works site including a large industrial building east of the site boundary.
19	Disused gatehouse. A single storey brick built building with pitched, tiled roof. The roof was in poor condition with tiles misplaced or missing in each lower corner and gaps present under tile where they finish at the gable end.

Rev	Description	Date	Initial	Checked



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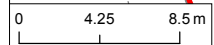
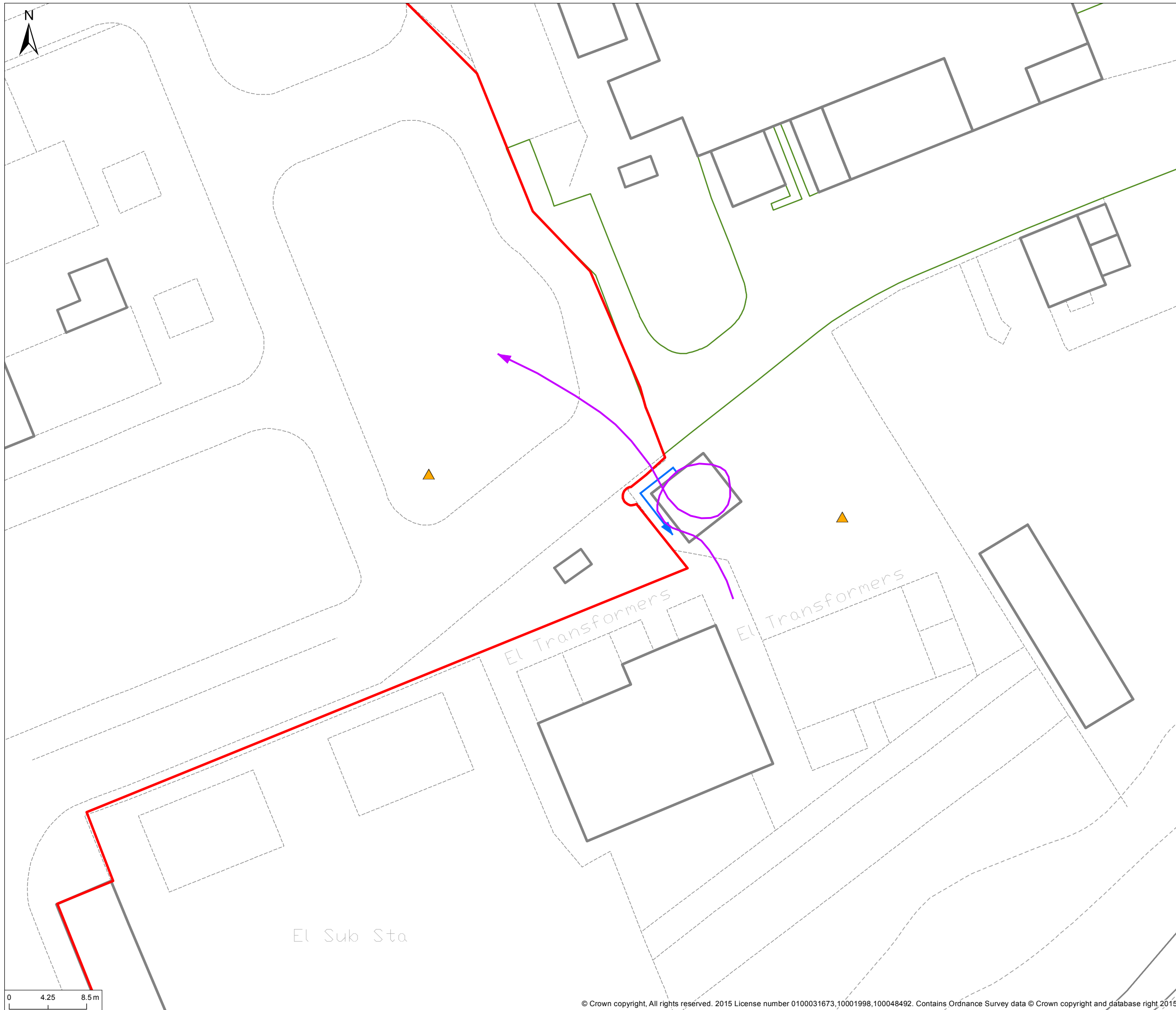
Client **DONG Energy Ltd**
 Project **REnescence Northwich**
 Title **Phase 1 Habitat**

Status **FINAL** Drawn By: **CR** PM/Checked By: **LM**
 Job Ref **OXF9009** Scale @ **A3** Date Created: **SEP 15**
 1:1,250

Figure Number **7.J** Rev **2**

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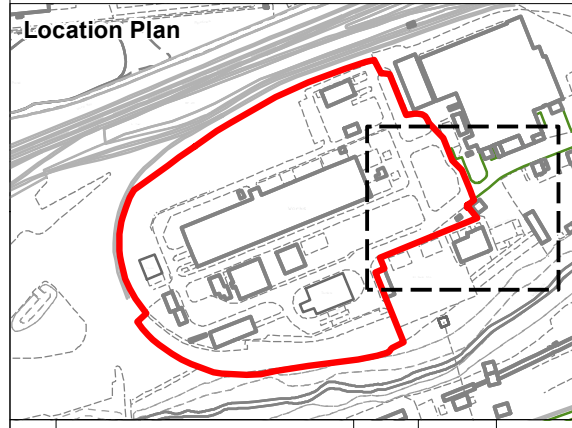
0 12.5 25m



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- Legend**
- Site boundary
 - ▲ Surveyor location
 - ➔ Bat flight direction, Dusk
 - ➔ Bat flight direction, Dawn

Note: the buildings shown on the OS map within the site boundary are no longer present on the site, having been demolished to ground level in 2013



Rev	Description	Date	Initial	Checked



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Client **DONG Energy Ltd**

Project **REnescience Northwich**

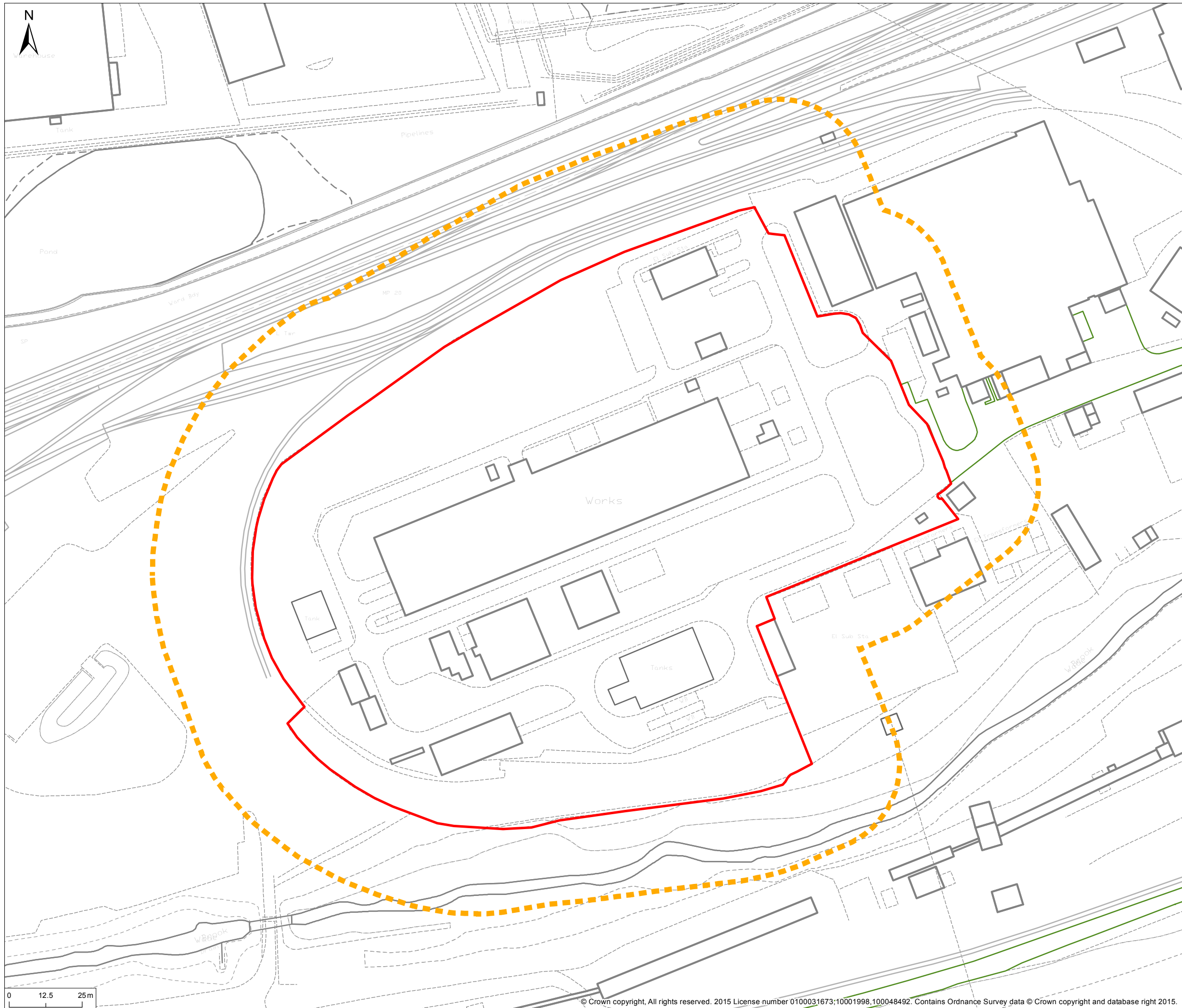
Title **Bat dusk emergence & dawn swarming survey**

Status **FINAL** Drawn By: **BF** PM/Checked By: **LM**

Job Ref **OXF9009** Scale @ A3: **1:400** Date Created: **SEP 15**

Figure Number **7.K** Rev **1**

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Legend

- Site boundary
- Badger survey area

Note: the buildings shown on the OS map within the site boundary are no longer present on the site, having been demolished to ground level in 2013

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Client **DONG Energy Ltd**

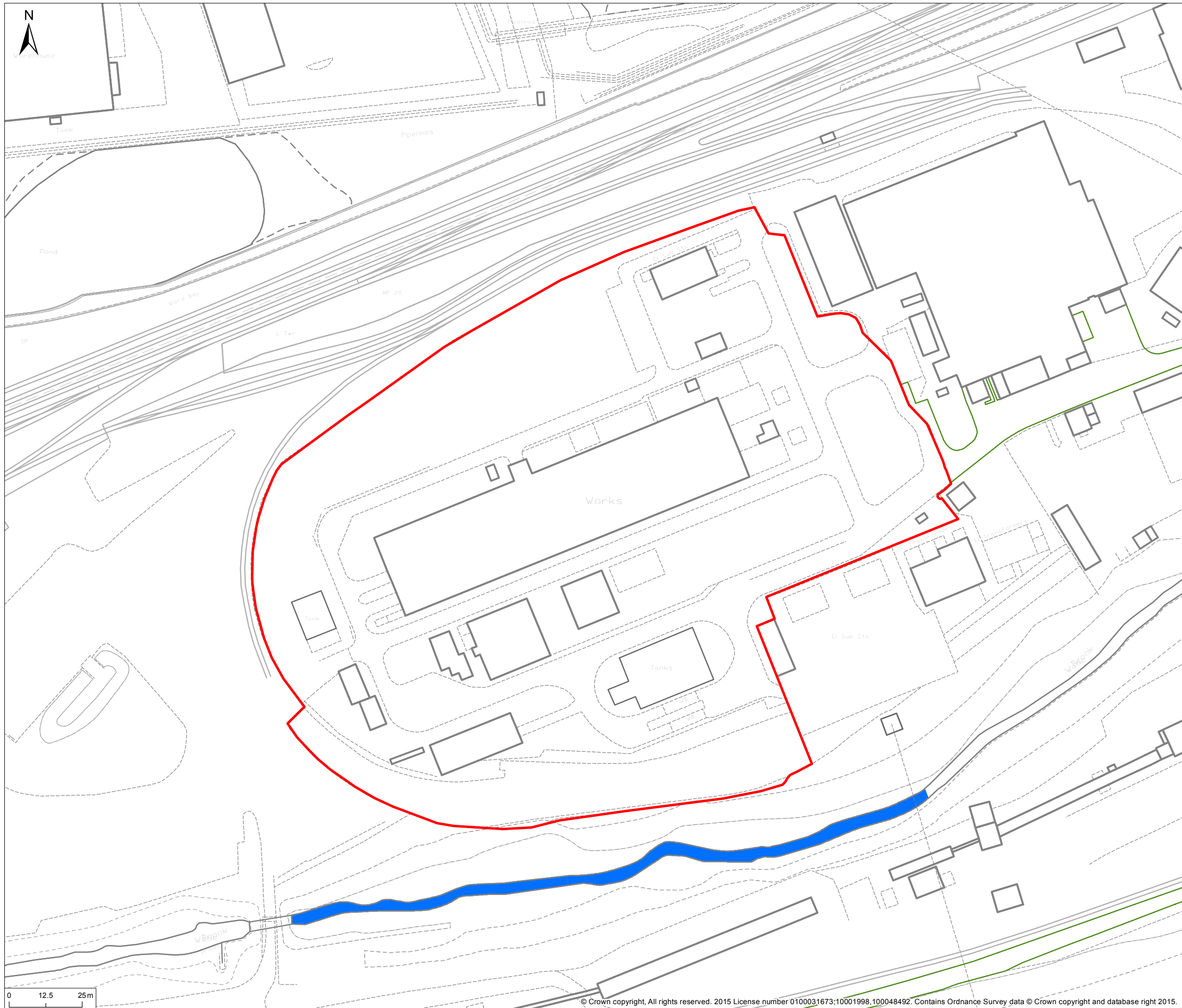
Project **REnescience Northwich**

Title **Badger survey area**

Status	Drawn By:	PM/Checked By
FINAL	BF	LM
Job Ref	Scale @ A3	Date Created
OXF9009	1:1,250	SEP 15

Figure Number	Rev
7.L	1

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- Legend**
- Site boundary
 - Watervole and otter survey area

Note: the buildings shown on the OS map within the site boundary are no longer present on the site, having been demolished to ground level in 2013

Rev	Description	Date	Initial	Checked

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Client **DONG Energy Ltd**
 Project **REnescience Northwich**
Watervole and otter survey area

Status	Drawn By:	PM/Checked By
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Job Ref	Scale @ A3	Date Created
OXF9009	1:1,250	SEP 15

Figure Number	Rev
7.M	1

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3. This drawing should be read in conjunction with all other relevant drawings and specifications.

Key:

- Existing Impermeable Area
- Total Area = 2.19 Hectares



Existing Site Surface Water Drainage Assessment
 Total Impermeable site area = 2.19 Hectares
 Surface water drainage discharge rates to Wade Brook:-
 1 in 1 year return period storm = 238.1L/s (15 min, winter)
 1 in 30 year return period storm = 428.7L/s (15 min, winter)
 1 in 100 year return period storm = 502.9L/s (15 min, winter)

Rev	Description	By	Ckd	Date



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Project REnescience Northwich

Title Existing Site Plan Showing Impermeable Areas

Status Final	Scale 1:500 @A1	Date Created 11.09.2015
Project Leader AMS	Drawn By CW	Checked by GB


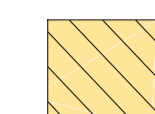

Document Number	Revision	Subality
Figure 8.A	-	S2

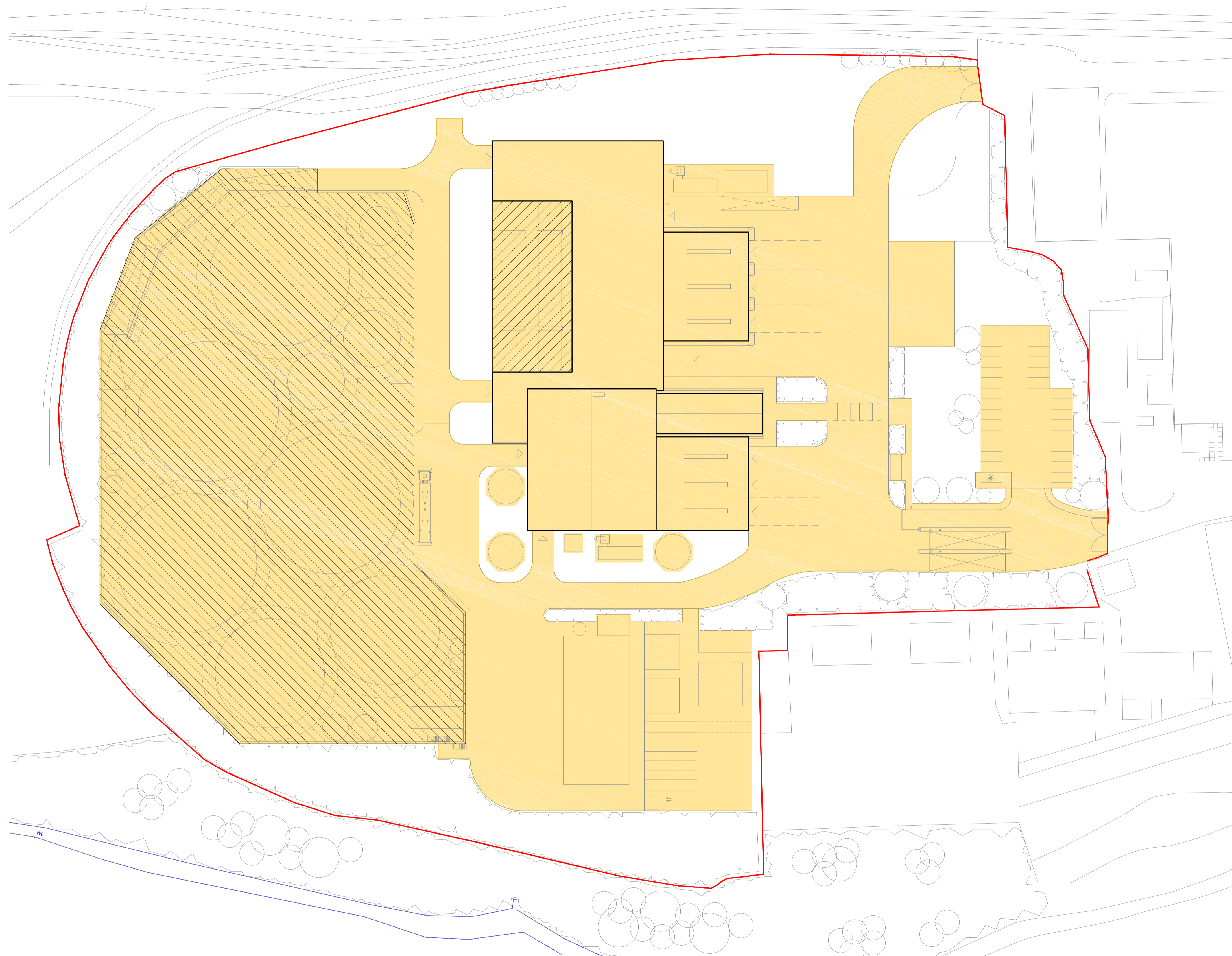


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Key:

-  Total Proposed Development Impermeable Area
Area = 23,642m²
 -  Proposed Anaerobic Digester Plant Bund Containment Area (Controlled Discharge)
Area = 8,851m²
 -  Proposed Bioreactor Bund Containment Area (Controlled Discharge)
Total Area = 713m²
- Net Impermeable Area (Free Discharge)
Area = 23,642 - 8,851 - 713 = **14,078m²**



C	Site plan updated.	DW	GB	29.09.15
B	Key notation updated.	DW	GB	25.09.15
A	Minor amendments.	CW	DW	23.09.15
Rev	Description	By	Ckd	Date



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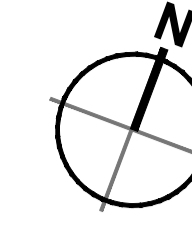


Project **REnescience Northwiche**

Title **Proposed Site Plan Showing Impermeable Areas**

Status	Scale	Date Created
Final	1:500 @A1	18.09.2015
Project Leader	Drawn By	Checked by
AS	CW	DW

Document Number	Revision	Subsidiary
Figure 8.B	C	S2



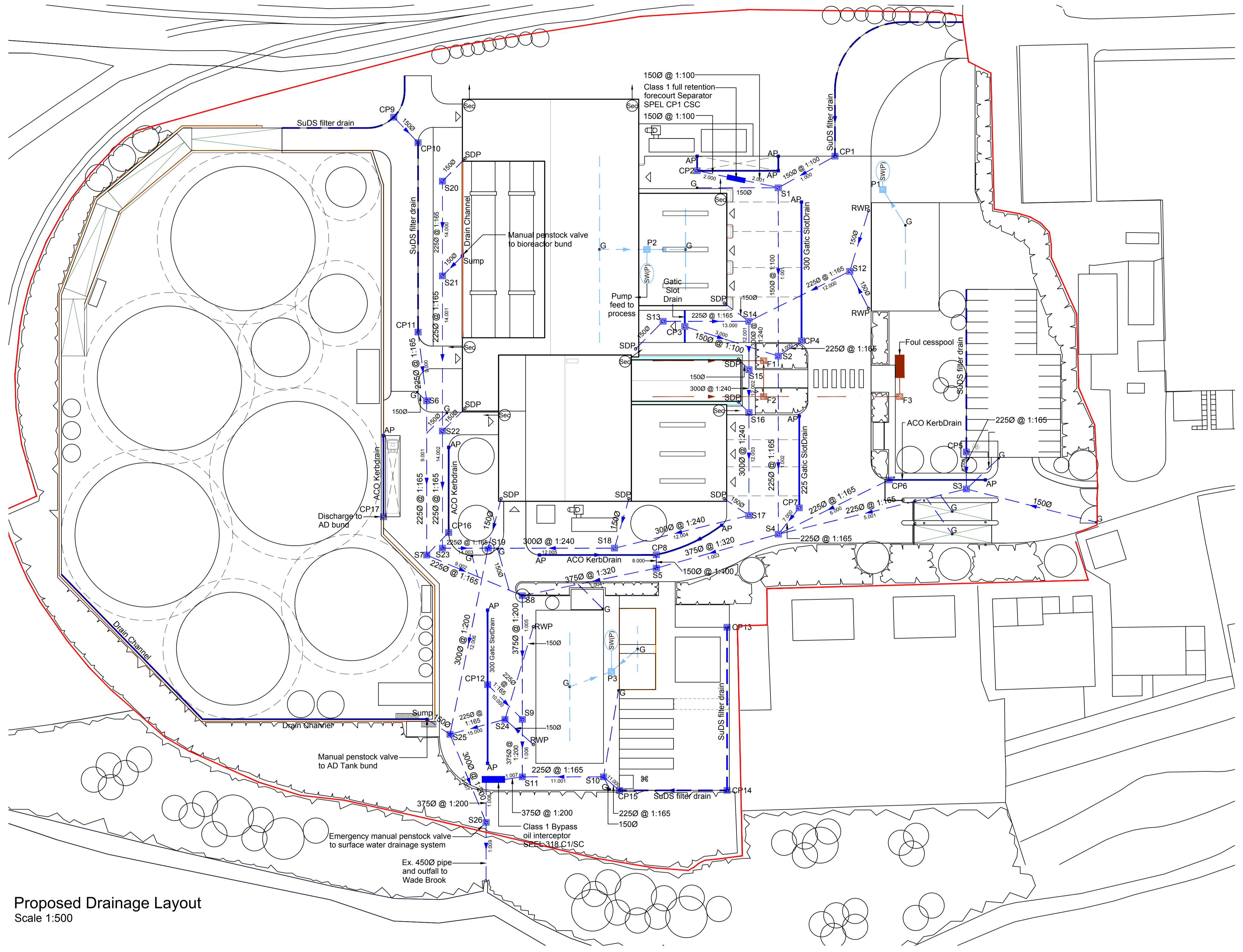
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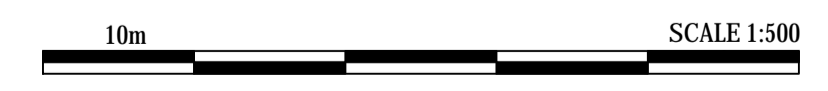
Key:

- 150Ø 1/135 FW Sewer (I/D & Gradient)
- ***mm Ø 1/300 SW Sewer (I/D & Gradient)
- F1 FW Manhole
- S2 SW Manhole
- P1 SW (Process Drainage)
- F14 Internal FW Manhole (≤150ø)
- F14 Internal FW Manhole (>150ø)
- (10.00) F1(11.60) Backdrop Manhole (FW Illustrated)
- Slot Drain (with subsoil drain below)
- SuDS Filter Drain
- SW Pumping Station with Inlet Invert
- FW Pumping Station with Inlet Invert
- ***mm O/D SW HDPE Rising Main (O/D & Gradient)
- ***mm O/D FW HDPE Rising Main (O/D & Gradient)
- Trade Effluent (discharge to tank for offsite disposal)
- G Trapped Gully
- FG Trapped Floor Gully
- SVP Soil Vent Pipe
- AAV Air Admittance Valve
- DS Discharge Stack
- RWP Rainwater Pipe (c/w RE)
- SDP Syphonic Primary Downpipe
- Sec Syphonic Secondary Discharge
- RE Rodding Eye
- CL Cover Level
- CRL Crown Level
- SL Soffit Level
- IL Invert Level
- BD Back Drop
- I/D Internal Diameter
- CP Catch pit
- AP Access point
- Water retaining bund walls
Designed to BS EN 1992-3
- SW(P) SW (Process) Water Containment Tank

Note:
All primary syphonic rainwater system downpipes to extend to first external manhole (within 10m of building)



Proposed Drainage Layout
Scale 1:500



Rev	Description	DW	GB	Date
D	Site plan updated.	DW	GB	29.09.15
C	Minor drawing amendments.	CW	DW	25.09.15
B	Drawing size amended to A1.	CW	DW	23.09.15
A	Minor drawing amendments.	DW	GB	21.09.15

Rev	Description	By	Ckd	Date



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Project REnescience Northwich

Title Proposed Drainage Layout

Status Final	Scale 1:500 @A1	Date Created 18.09.2015
Project Leader AS	Drawn By CW	Checked by DW

Document Number	Revision	Subsidiary
Figure 8.C	D	S2

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Surface Water Manhole Schedule

Manhole Ref	Cover Level (m)	Manhole Depth (mm)	Manhole Ø (mm)	Pipe Out Invert Level (m)	Pipe Out Ø (mm)	Pipe In Invert Level (m)	Pipe In Ø (mm)	Comments
CP1	25.175	1350	1200	23.825	150	-	-	
CP2	25.175	1350	1200	23.825	150	-	-	
S1	25.215	1574	1200	23.641	150	23.715	150	
-	-	-	-	-	-	23.641	150	
-	-	-	-	-	-	-	150	
CP3	25.375	1350	1200	24.025	150	-	-	
CP4	25.090	1785	1200	23.305	225	-	-	
S2	25.250	2057	1200	23.193	225	23.268	225	
-	-	-	-	-	-	23.268	150	
-	-	-	-	-	-	23.808	150	
CP5	25.000	1300	1200	23.700	225	-	-	
CP6	25.250	1300	1200	23.950	225	-	-	
CP7	25.090	1300	1200	23.790	225	-	-	
S3	25.275	1625	1200	23.650	225	23.650	225	
-	-	-	-	-	-	-	150	
-	-	-	-	-	-	-	150	
S4	25.275	2472	1350	22.803	375	22.953	225	
-	-	-	-	-	-	23.784	225	
-	-	-	-	-	-	23.745	225	
-	-	-	-	-	-	23.390	225	
CP8	25.200	1300	1200	23.900	150	-	-	
S5	25.240	2525	1350	22.715	375	22.715	375	
-	-	-	-	-	-	23.870	150	
CP9	25.325	1350	1200	23.975	150	-	-	
CP10	25.250	1350	1200	-	-	23.900	150	
CP11	25.250	1600	1200	23.650	225	-	-	
S6	25.375	1818	1200	23.557	225	23.557	225	
-	-	-	-	-	-	-	150	
S7	25.390	2540	1200	22.850	225	23.350	225	
S8	25.460	3971	1350	21.489	375	22.620	375	
-	-	-	-	-	-	22.710	225	
CP12	25.025	3607	1200	21.418	225	-	-	
-	-	-	-	-	-	-	-	
S9	25.180	3828	1350	21.352	375	21.352	375	

-	-	-	-	-	-	21.352	225	
CP13	25.350	1350	1200	24.000	-	-	-	
CP14	25.000	1350	1200	23.650	-	-	-	
CP15	25.500	1350	1200	23.650	225	-	-	
CP16	25.225	1350	1200	23.875	-	-	-	
S10	25.400	3002	1200	22.398	225	-	225	
-	-	-	-	-	-	-	150	
-	-	-	-	-	-	-	150	
S11	25.180	3.892	1350	21.288	375	21.288	375	
-	-	-	-	-	-	21.288	225	
S13	25.435	1536	1200	23.899	225	-	150	Vented cover - siphonic discharge manhole
S14	25.375	1666	1200	23.709	300	23.784	225	Vented cover - siphonic discharge manhole
-	-	-	-	-	-	23.784	225	
-	-	-	-	-	-	-	150	
S15	25.350	1686	1200	23.664	300	23.664	300	Vented cover - siphonic discharge manhole
-	-	-	-	-	-	-	150	
S16	25.350	1726	1200	23.624	300	23.624	300	Vented cover - siphonic discharge manhole
-	-	-	-	-	-	-	150	
S17	25.375	1846	1200	23.529	300	23.529	300	Vented cover - siphonic discharge manhole
-	-	-	-	-	-	-	150	
S18	25.325	1924	1200	23.401	300	23.401	300	Vented cover - siphonic discharge manhole
-	-	-	-	-	-	-	150	
S19	25.325	2908	1200	22.417	300	23.284	300	Vented cover - siphonic discharge manhole
-	-	-	-	-	-	23.437	225	
-	-	-	-	-	-	-	150	
S20	25.350	1425	1200	23.925	225	-	150	Vented cover - siphonic discharge manhole
S21	25.350	1552	1200	23.798	225	23.798	150	
-	-	-	-	-	-	-	150	
S22	25.260	1605	1200	23.655	225	23.655	225	Vented cover - siphonic discharge manhole
-	-	-	-	-	-	-	150	
S23	25.100	1602	1200	23.498	225	23.498	225	
S25	25.300	4094	1200	21.206	300	22.206	300	
-	-	-	-	-	-	22.206	225	
-	-	-	-	-	-	-	150	
S26	23.000(Ex)	3900	1350	19.100	450	21.100	375	
-	-	-	-	-	-	21.100	300	

Rev	Description	Date	Initial	Checked



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Client **DONG Energy Limited**

Project **REnescience Northwich**

Title **Surface Water Manhole Schedule**

Date Created **September 2015** Drawn By **DW** PM/Checked By **GB**

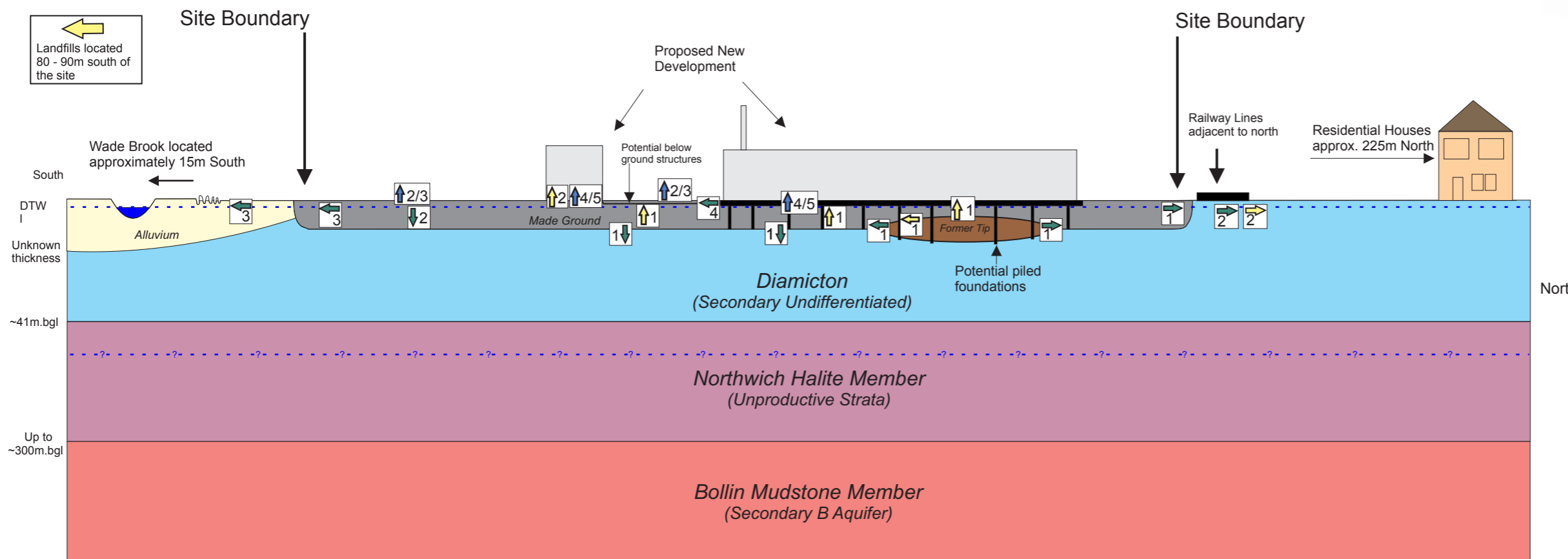
Job Ref. **NK018157**

Figure Number **8.D** Rev **0**

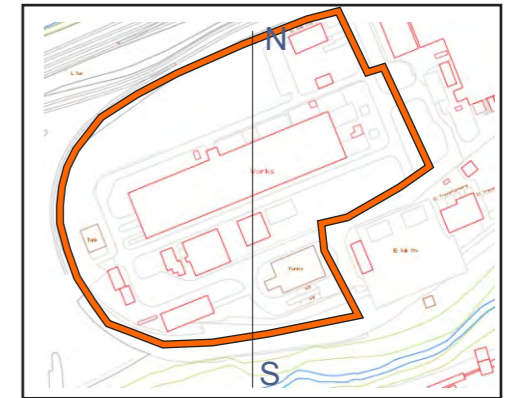
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Note:

Conceptual cross section is not to scale



Site Layout Plan



Approximate section line

Potential Sources - Onsite:

Soil/ Groundwater Contamination and Ground Gas associated with:

- Former Bleach Works; organometallics, PAHs, cresols, phenols, chlorinated organic compounds, halogenated organics, solvents (non-chlorinated), dioxins, inorganic metals and metalloids, other inorganic ions including chlorides, chlorates, fluorides and ammonium bisulphate, acids, alkalis, asbestos, PCBs and fuels i.e. coke.

- Former Chlorine Works; chlorides, sulphates, sulphides, metals, alkalis (including calcium oxide, sodium hydroxide and sodium carbonate), hydrochloric and sulphuric acid, hydrocarbons, PAHs, chlorinated solvents, inorganics, PCBs and asbestos

- Made Ground - Infilling of Reservoirs/ Former Tip (landfill); Metals, PAHs, hydrocarbons, chlorinated solvents, asbestos, and ground gas.

Potential Sources - Offsite:

Soil/ Groundwater Contamination and Ground Gas associated with:

- Chemical Works (located adjacent to the east); Metals, PAHs, hydrocarbons, chlorinated solvents, asbestos

- Salt Works (150m Southwest); Metals, PAHs, hydrocarbons, and asbestos.

- Railways (adjacent to north and 100m to the south); Metals, PAHs, hydrocarbons, asbestos

- Landfills (three landfills 80m - 90m south); Ground gas

Potential Pathways - Human Health

- ↑ 1. Dermal Contact
- ↑ 2. Inhalation of Soil Dust
- ↑ 3. Ingestion of Soil Dust
- ↑ 4. Inhalation of Soil Vapours
- ↑ 5. Inhalation of Ground Gas vapours

Potential Pathways - Controlled Waters

- ← 1. Leaching of mobile contaminants from Made Ground.
- ← 2. Vertical migration of mobile contaminants in permeable strata.
- ← 3. Lateral migration of mobile contaminants in permeable strata.
- ← 4. Migration along subsurface structures.

Potential Pathways - Infrastructure

- ← 1. Direct contact with fill or contaminated soils.
- ← 2. Migration of ground gas

Potential Receptors - Human Health:

Future Site Users (workers at the proposed development)

Construction/Maintenance Personnel.

Off-site Receptors (Residential Houses located approx. 225m north)

Potential Receptors - Controlled Waters:

Shallow Groundwater (Made Ground)

Superficial Deposits (Alluvium - Secondary A Aquifer and Diamicton - Secondary (Undifferentiated).

Bedrock Aquifer (Sidmouth Mudstone - Unproductive Strata up to 300m in thickness in the vicinity of the site).

Wade Brook 15m to the south of the site.

Potential Receptors - Infrastructure:

Future Building structures

Underground utility services

Off-site structures

Complete Pollutant Linkages:

Human Health

Future Site Users - Potential for exposure to soil/groundwater contamination via dermal contact, inhalation and ingestion

Future Site Users - Potential for inhalation of soil vapours

Controlled Waters

Potential for lateral migration of soil/groundwater contamination via Made Ground/ Alluvium to Wade Brook

Low permeability Diamicton will prevent vertical migration to bedrock

Potential for migration along subsurface structures

Infrastructure

Potential for generation of ground gas from Made Ground/ onsite tip/offsite landfill into building structures.

Potential for concrete aggressive contamination to attack subsurface structures.



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Client: DONG Energy

Title: Conceptual Site Model

Site: REnescience Northwich

Status: Final

Date: August 2015

Scale: NTS

Size: A3

Job Number: RCEI36418

Fig: 9.A Rev: 00



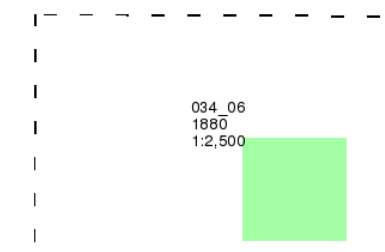
Cheshire

Published 1880

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

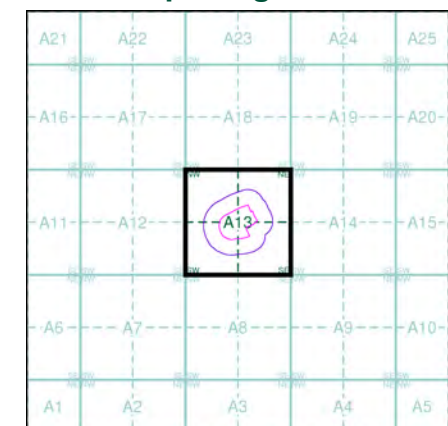
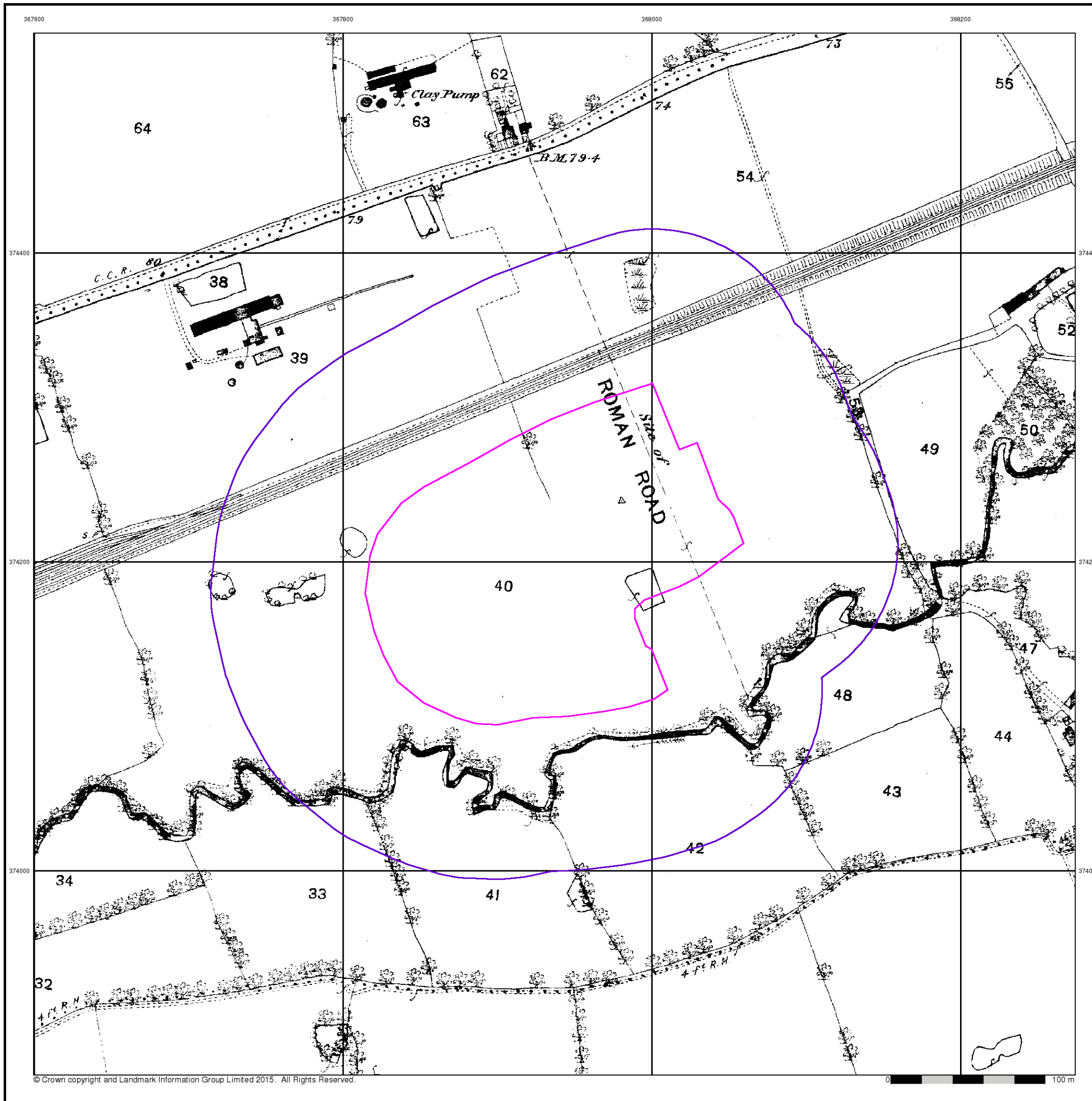
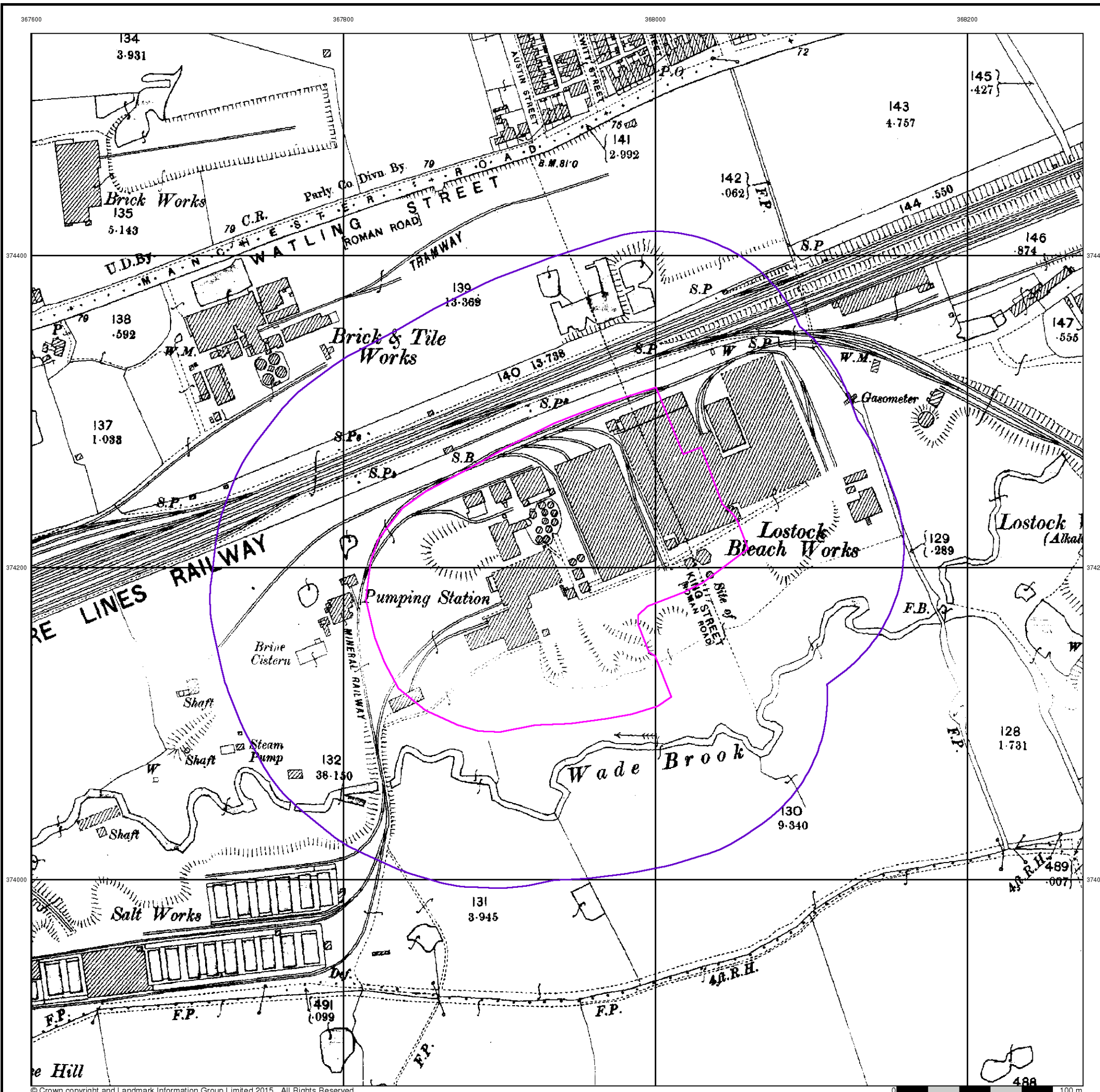


Figure Number: 9.B

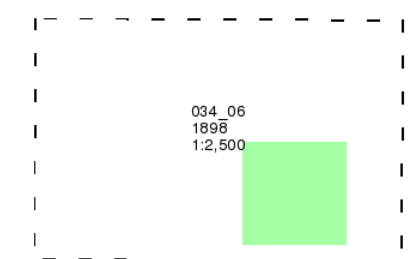




Cheshire
Published 1898
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

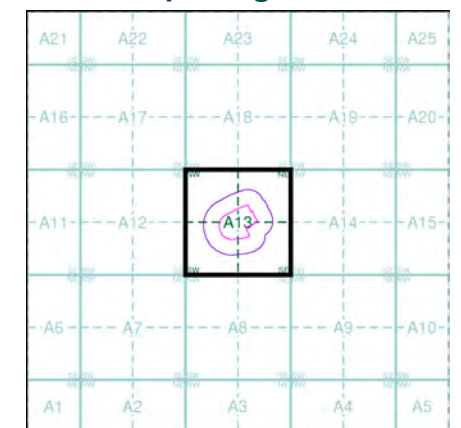
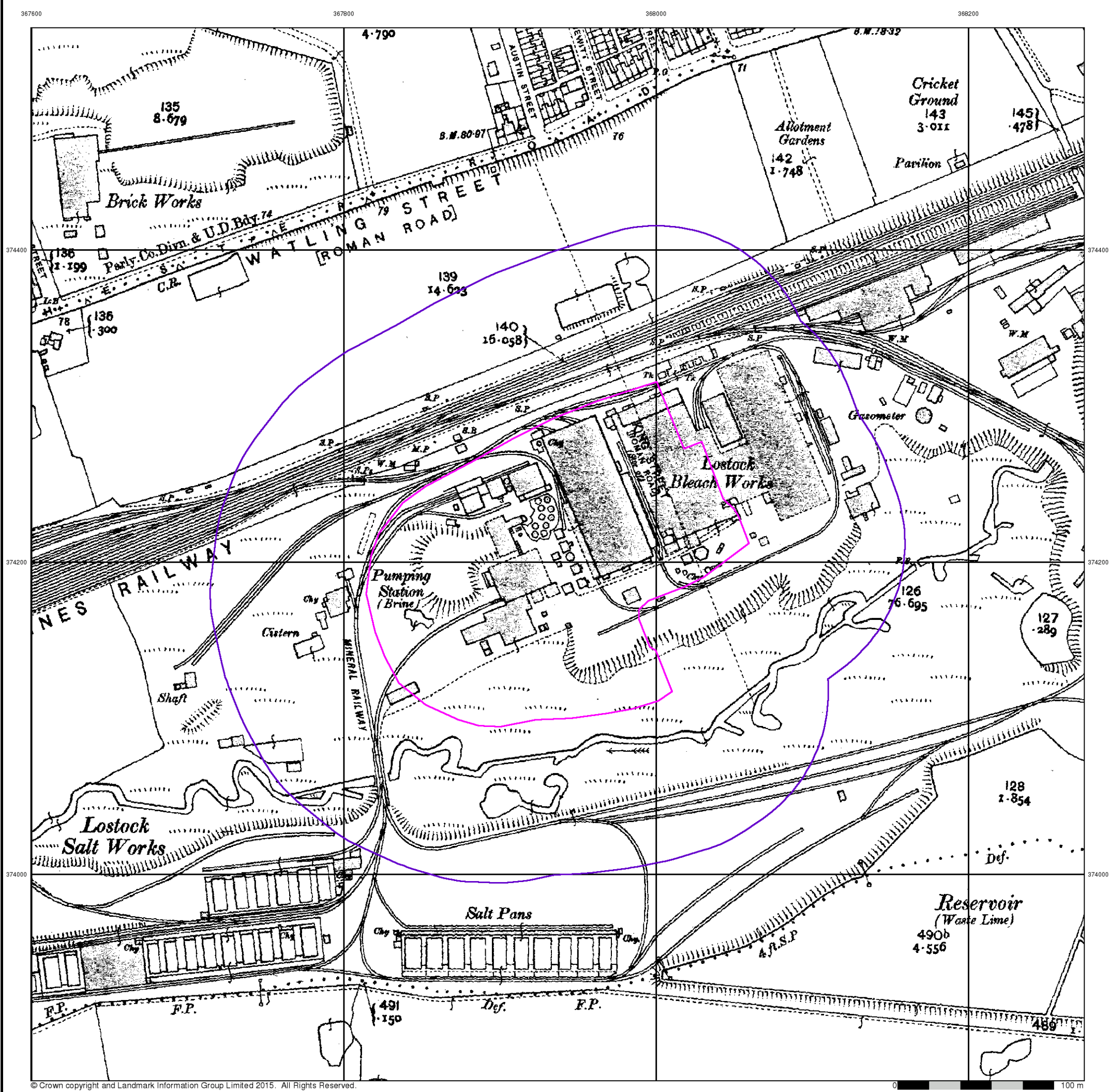


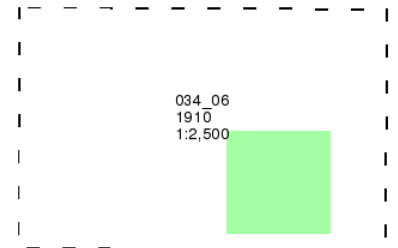
Figure Number: 9.C



Cheshire
Published 1910
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

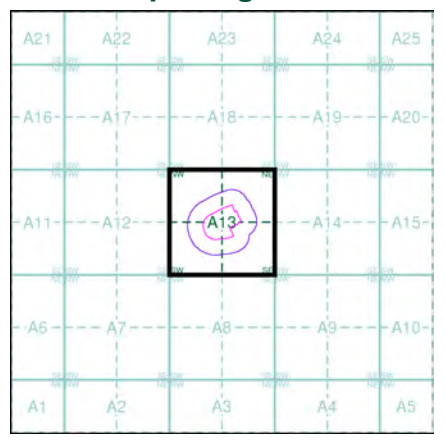


Figure Number: 9.D



Ordnance Survey Plan

Published 1963 - 1964

Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SJ6774NE	SJ6874NW
1963	1963
1:1,250	1:1,250
SJ6774SE	SJ6874SW
1963	1963
1:1,250	1:1,250
SJ6773NE	SJ6873NW
1964	1964
1:1,250	1:1,250

Historical Map - Segment A13

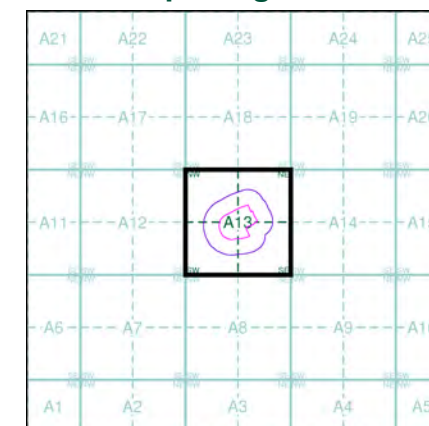
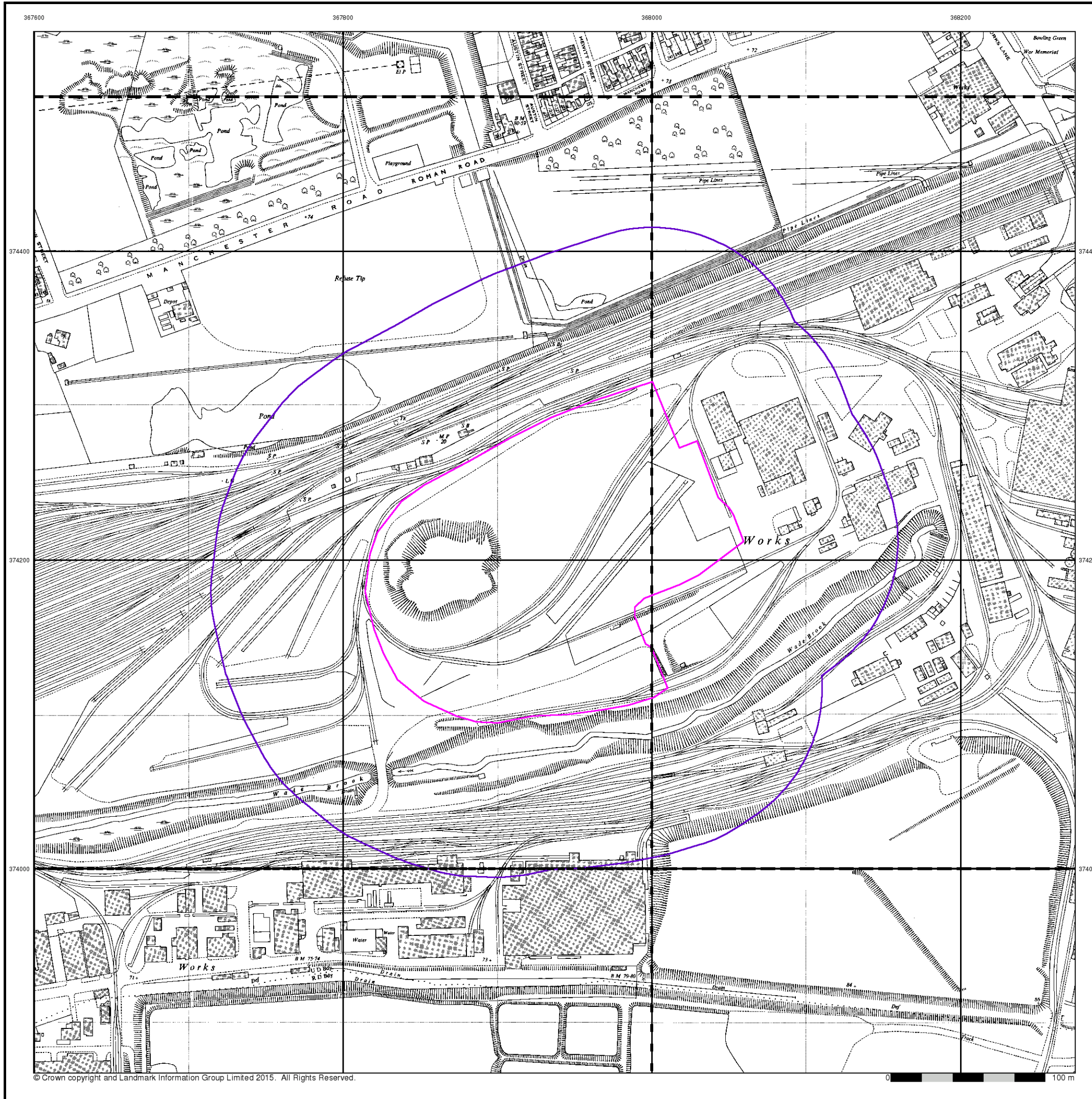
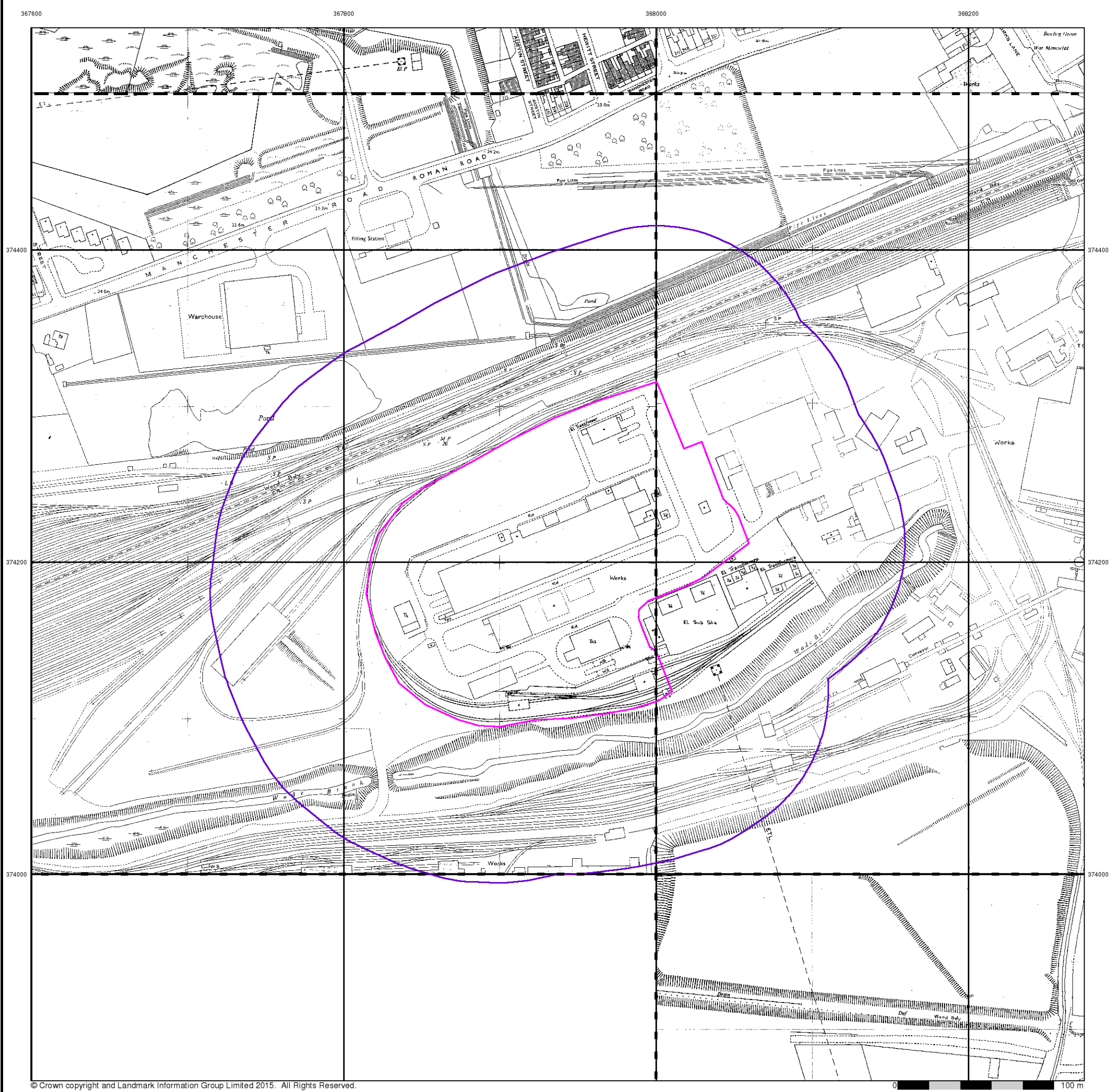


Figure Number: 9.E



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Additional SIMs
Published 1963 - 1990
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

6J6774NE	6J6874NW
1963	1983
1:1,250	1:1,250
6J6774SE	6J6874SW
1987	1990
1:1,250	1:1,250
6J6873NW	
1987	
1:1,250	

Historical Map - Segment A13

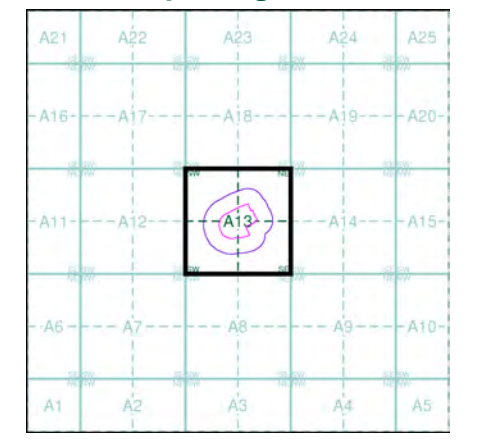


Figure Number: 9.F



Ordnance Survey Plan

Published 1964 - 1971

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SJ6774 1964 12,500	SJ6874 1971 12,500
SJ6773 1965 12,500	SJ6873 1971 12,500

Historical Map - Segment A13

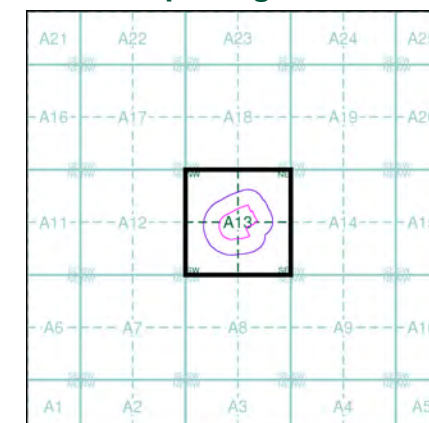
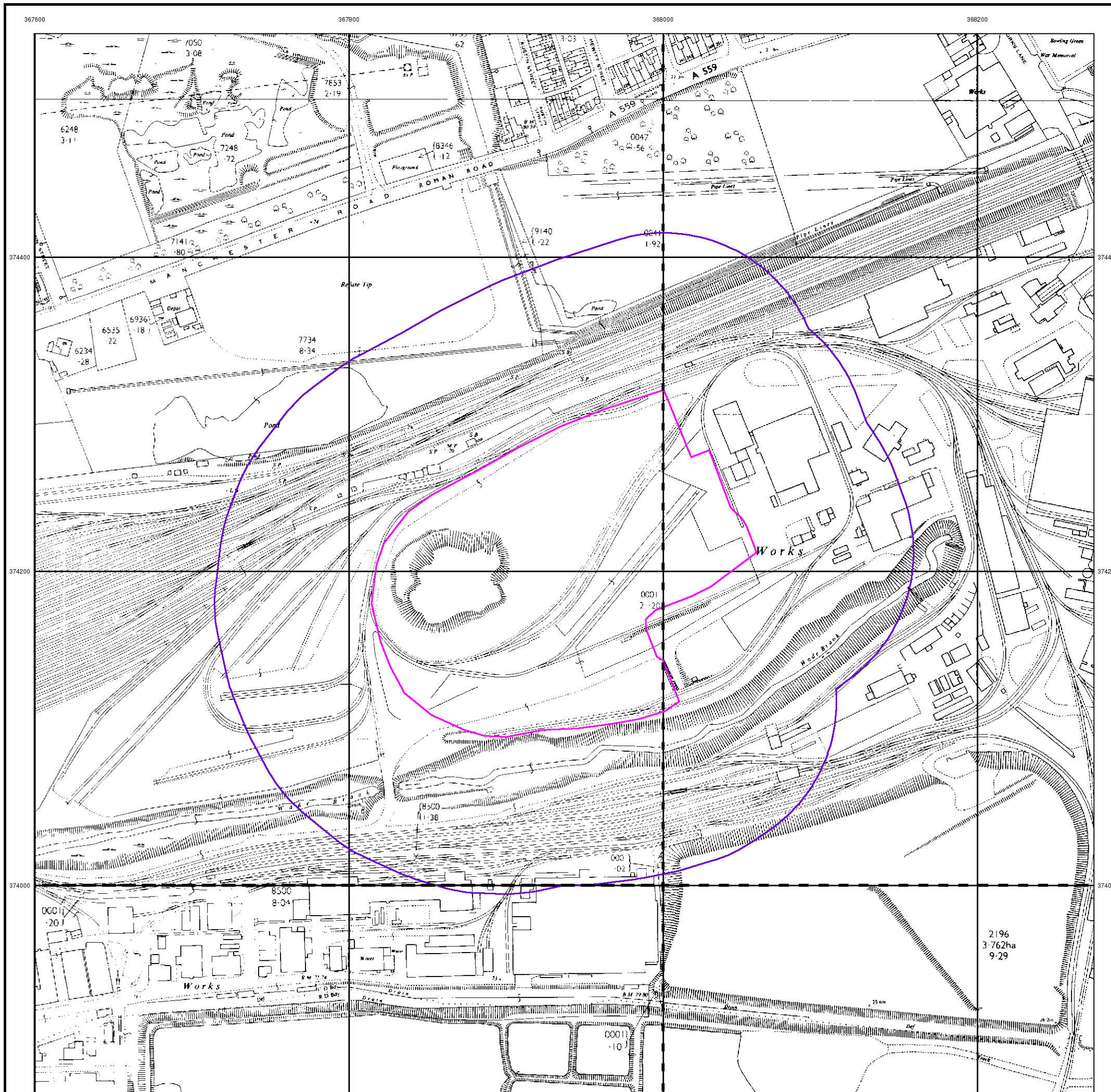
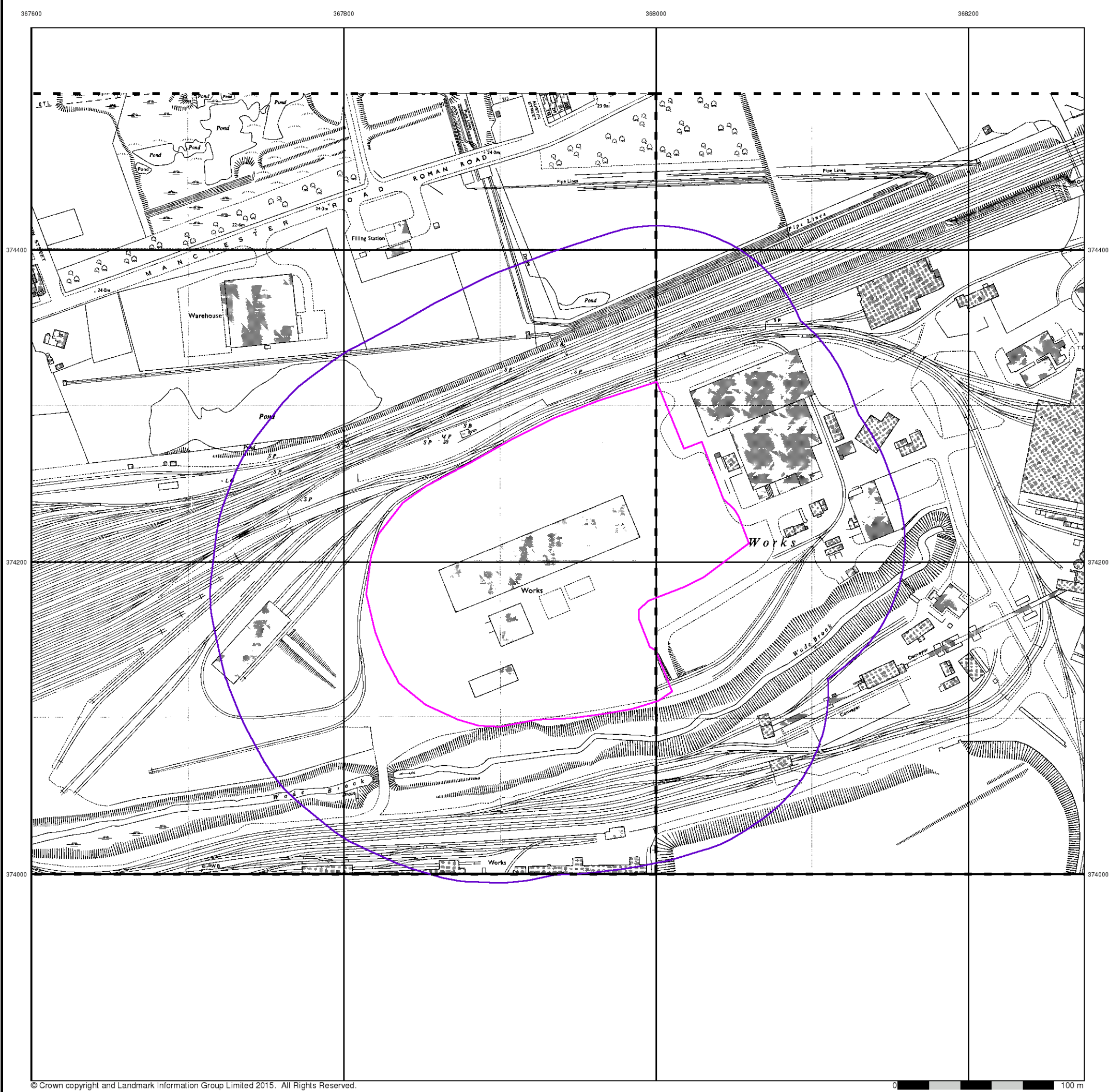


Figure Number: 9.G



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Ordnance Survey Plan
Published 1976 - 1977
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SJ6774SE 1977 1:1,250	SJ6874SW 1976 1:1,250
-----------------------------	-----------------------------

Historical Map - Segment A13

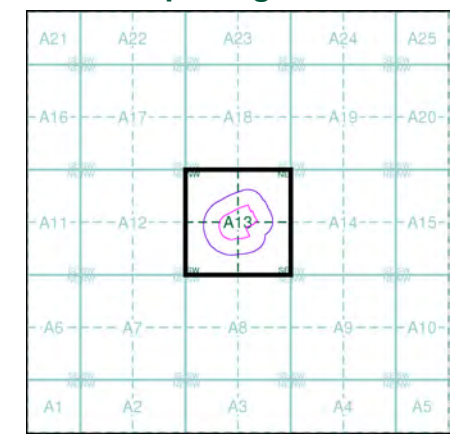
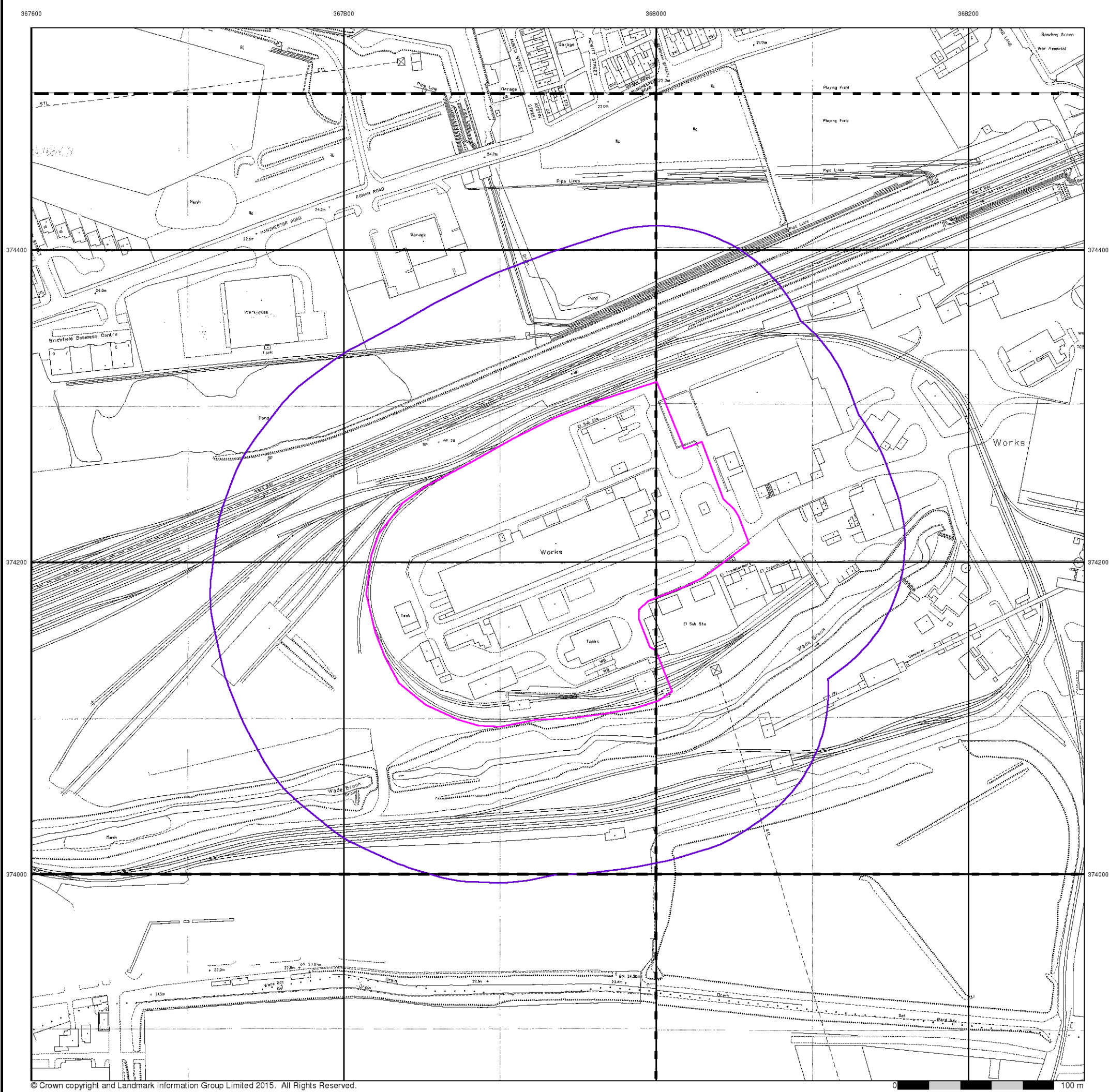


Figure Number: 9.H



Large-Scale National Grid Data

Published 1993

Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

BJ6774NE	BJ6874NW
1993	1993
1:1,250	1:1,250
BJ6774SE	BJ6874SW
1993	1993
1:1,250	1:1,250
BJ6773NE	BJ6873NW
1993	1993
1:1,250	1:1,250

Historical Map - Segment A13

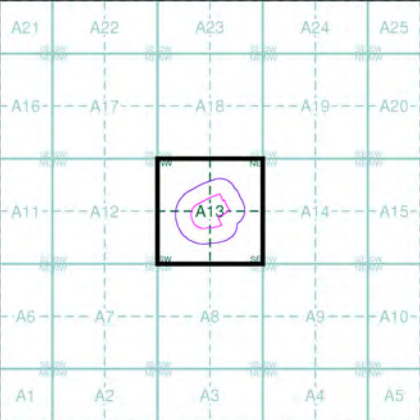


Figure 9.1

Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500

	Quarry		Gravel Pit		Sand Pit
	Clay Pit		Shingle		Refuse Heap
	Sloping Masonry		Flat Rock		
	Marsh		Reeds		Osiers
	Rough Pasture		Furze		Wood
	Mixed Wood		Brushwood		Orchard
	Fir		Ford		Stepping Stones
	Ferry		Waterfall		Lock
	Trig. Station	507	Altitude at Trig. Station		
	Bench Mark	342	Surface Level		
	Arrow denotes flow of water		Antiquities (site of)		
	Cutting		Embankment		
	Railway crossing Road		Level Crossing		Road crossing Railway
	Railway crossing River or Canal		Road over single stream		Road over River or Canal
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Boundary Post or Stone		Police Call Box		
	Bridle Road		Pump		
	Electricity Pylon		Signal Post		
	Foot Bridge		Sluice		
	Foot Path		Spring		
	Guide Post or Board		Telephone Call Box		
	Mile Stone		Trough		
	Mooring Post or Ring		Well		

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250

	Inactive Quarry, Chalk Pit or Clay Pit		Active Quarry, Chalk Pit or Clay Pit
	Rock		Boulders
	Cliff		Slopes
	Roofed Building		Glazed Roof Building
	Sloping Masonry		Archway
	Non-Coniferous Tree (surveyed)		Coniferous Tree (surveyed)
	Non-Coniferous Trees (not surveyed)		Coniferous Trees (not surveyed)
	Orchard Tree		Scrub
	Coppice, Osier		Reeds
	Rough Grassland		Heath
	Direction of water flow		Bench Mark
	Cave Entrance		Triangulation Station
	Electricity Transmission Line		Antiquity (site of)
	County Boundary (Geographical)		Electricity Pylon
	County & Civil Parish Boundary		
	County boundary		
	Civil Parish Boundary		
	Admin. County or County Bor. Boundary		
	London Borough Boundary		
	Symbol marking point where boundary mereing changes		
	Beer House		Pillar, Pole or Post
	Boundary Post or Stone		Post Office
	Capstan, Crane		Public Convenience
	Chimney		Public House
	Drinking Fountain		Pump
	Electricity Pillar or Post		Signal Box or Bridge
	Fire Alarm Pillar		Signal Post or Light
	Foot Bridge		Spring
	Guide Post		Tank or Track
	Hydrant or Hydraulic		Telephone Call Box
	Level Crossing		Telephone Call Post
	Manhole		Trough
	Mile Post or Mooring Post		Water Point, Water Tap
	Mile Stone		Well
	Normal Tidal Limit		Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250

	Cliff		Slopes
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Positioned Boulder		Scree
	Non-Coniferous Tree (surveyed)		Coniferous Tree (surveyed)
	Non-Coniferous Trees (not surveyed)		Coniferous Trees (not surveyed)
	Orchard Tree		Scrub
	Coppice, Osier		Reeds
	Rough Grassland		Heath
	Direction of water flow		Triangulation Station
	Electricity Transmission Line		Antiquity (site of)
	Bench Mark		Buildings with Building Seed
	Roofed Building		Glazed Roof Building
	Civil parish/community boundary		
	District boundary		
	County boundary		
	Boundary post/stone		
	Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)		
	Barracks		Pillar, Pole or Post
	Battery		Post Office
	Cemetery		Public Convenience
	Chimney		Pump
	Cistern		Pumping Station
	Dismantled Railway		Place of Worship
	Electricity Generating Station		Sewage Pumping Station
	Electricity Pole, Pillar		Signal Box or Bridge
	Electricity Sub Station		Signal Post or Light
	Filter Bed		Spring
	Fountain / Drinking Ftn.		Tank or Track
	Gas Valve Compound		Trough
	Gas Governor		Wind Pump
	Guide Post		Water Point, Water Tap
	Manhole		Works (building or area)
	Mile Post or Mile Stone		Well



Historical Map - Segment A13

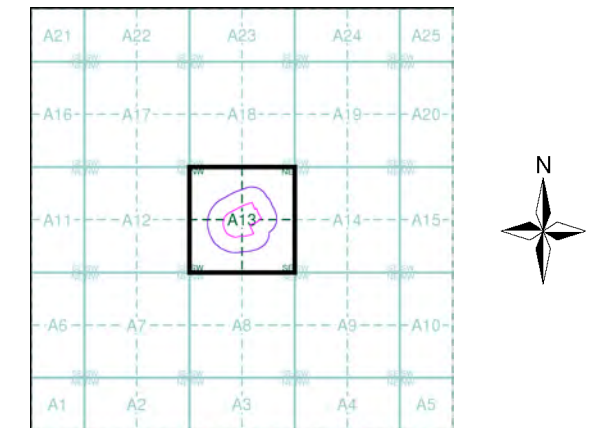
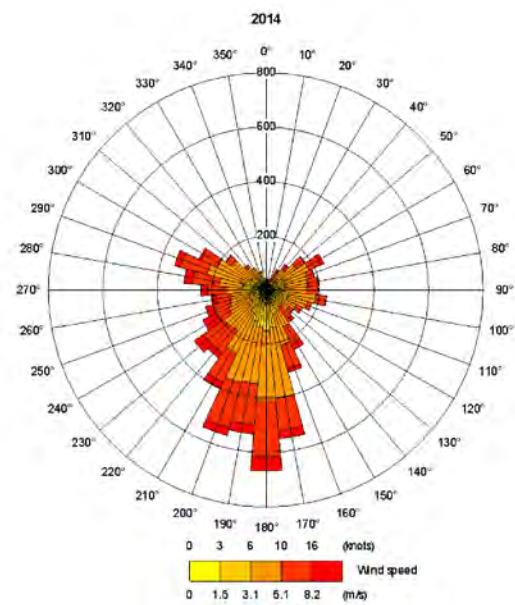
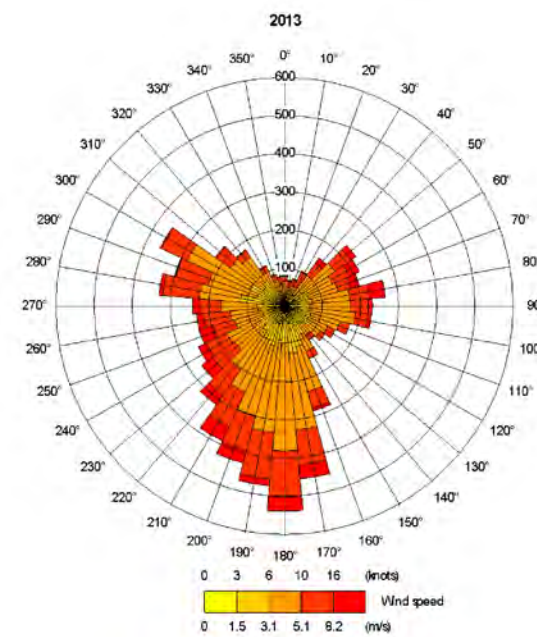
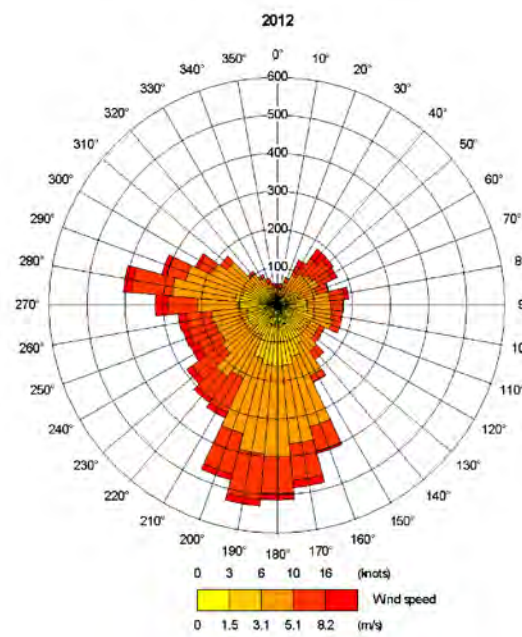
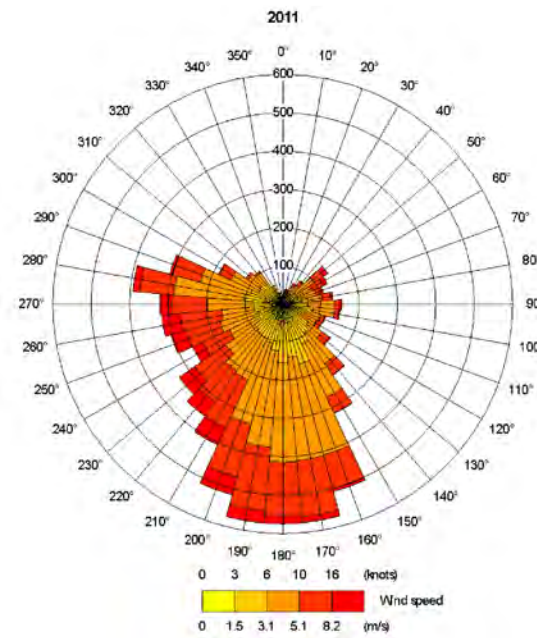
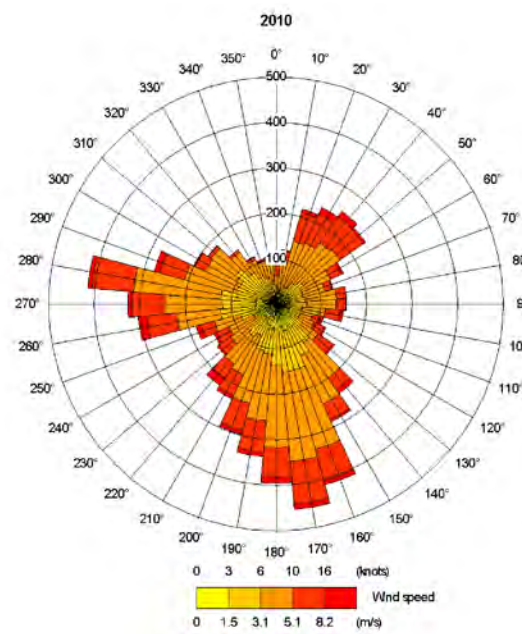


Figure Number: 9.J



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T 01273 546800 F 01273 546801 E rpsbn@rpsgroup.com W www.rpsgroup.com

Client: DONG Energy Limited

Project: REnescience Northwich

Title: Windroses, Manchester Ringway
2010 - 2014





Date: 25/08/15 Scale: Not to scale

Drawn: RC Checked: DS Job Ref: JAS8407

Figure Number: 10.A Rev: 0

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-  Approx. Source of Emissions
-  Roads and Point Source Receptors
-  Point Source Receptors
-  Modelled Roads

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Client: DONG Energy Limited

Project: REnaissance Northwich

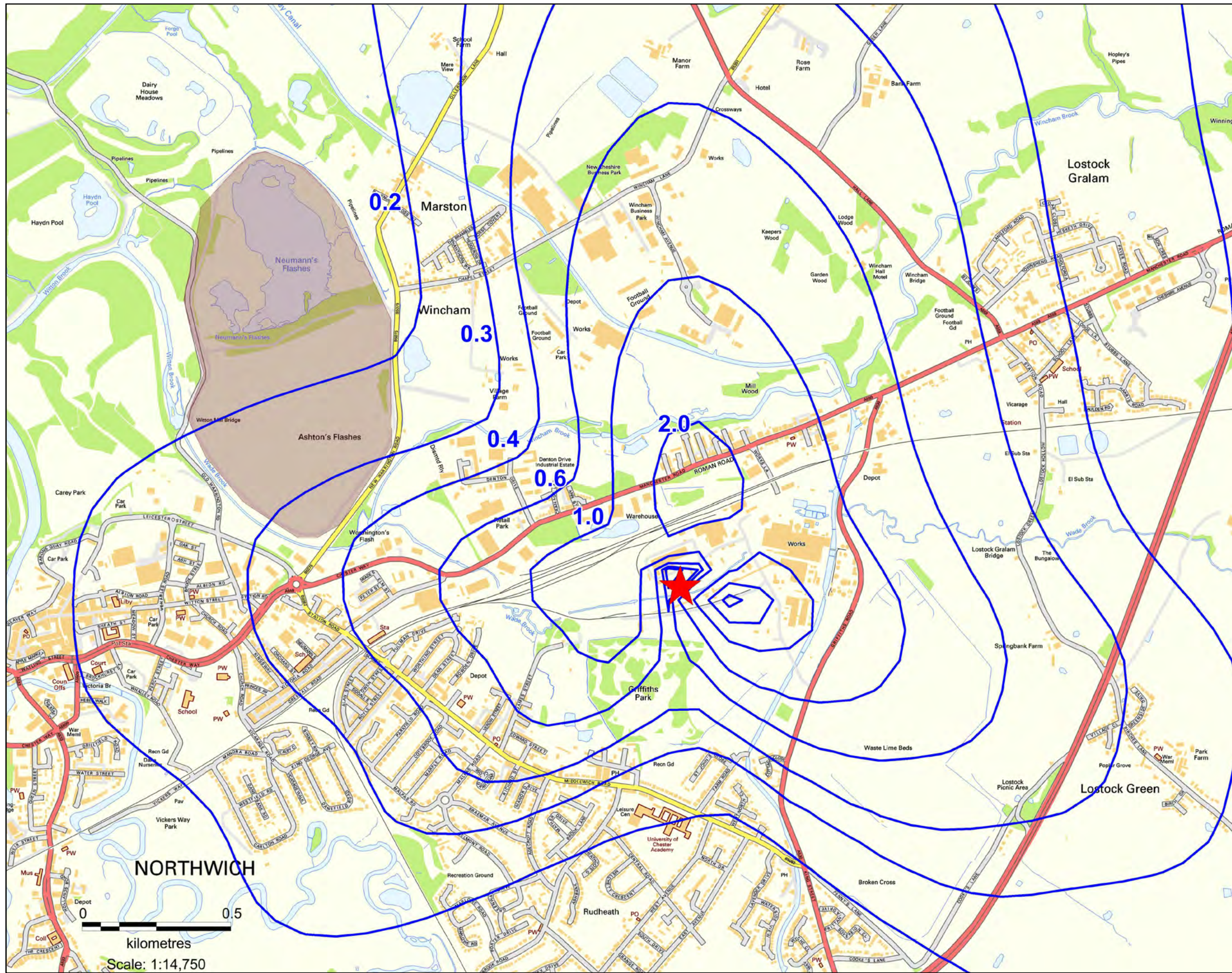
Title: Modelled Roads and Receptors




Date: 26/08/15 Scale: Not to scale

Drawn: RC Checked: DS Job Ref: JAS8407

Figure Number: 10.B Rev: 0


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-  Ashton's and Neumann's Flashes
-  Approx. Source of Emissions
-  PC

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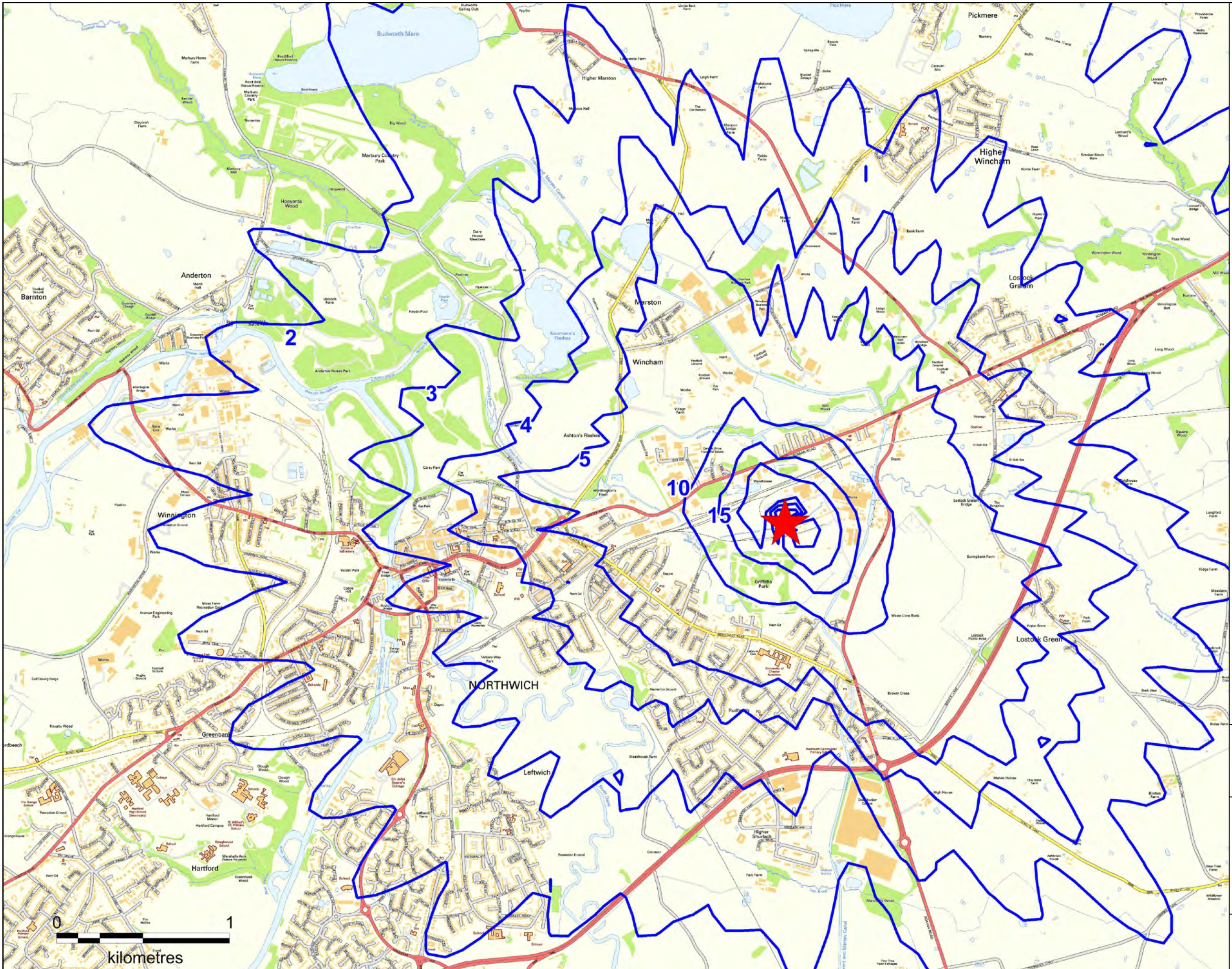
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Client: DONG Energy Limited	
Project: REnescience Northwich	
Title: Annual-Mean NO ₂ Process Contribution (µg.m ⁻³)	
Date: 26/08/15 Scale: Not to scale	
Drawn: RC	Checked: DS Job Ref: JAS8407
Figure Number: 10.C	Rev: 0
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 Approx. Source of Emissions
 PC

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Client: DONG Energy Limited

Project: REnescence Northwich

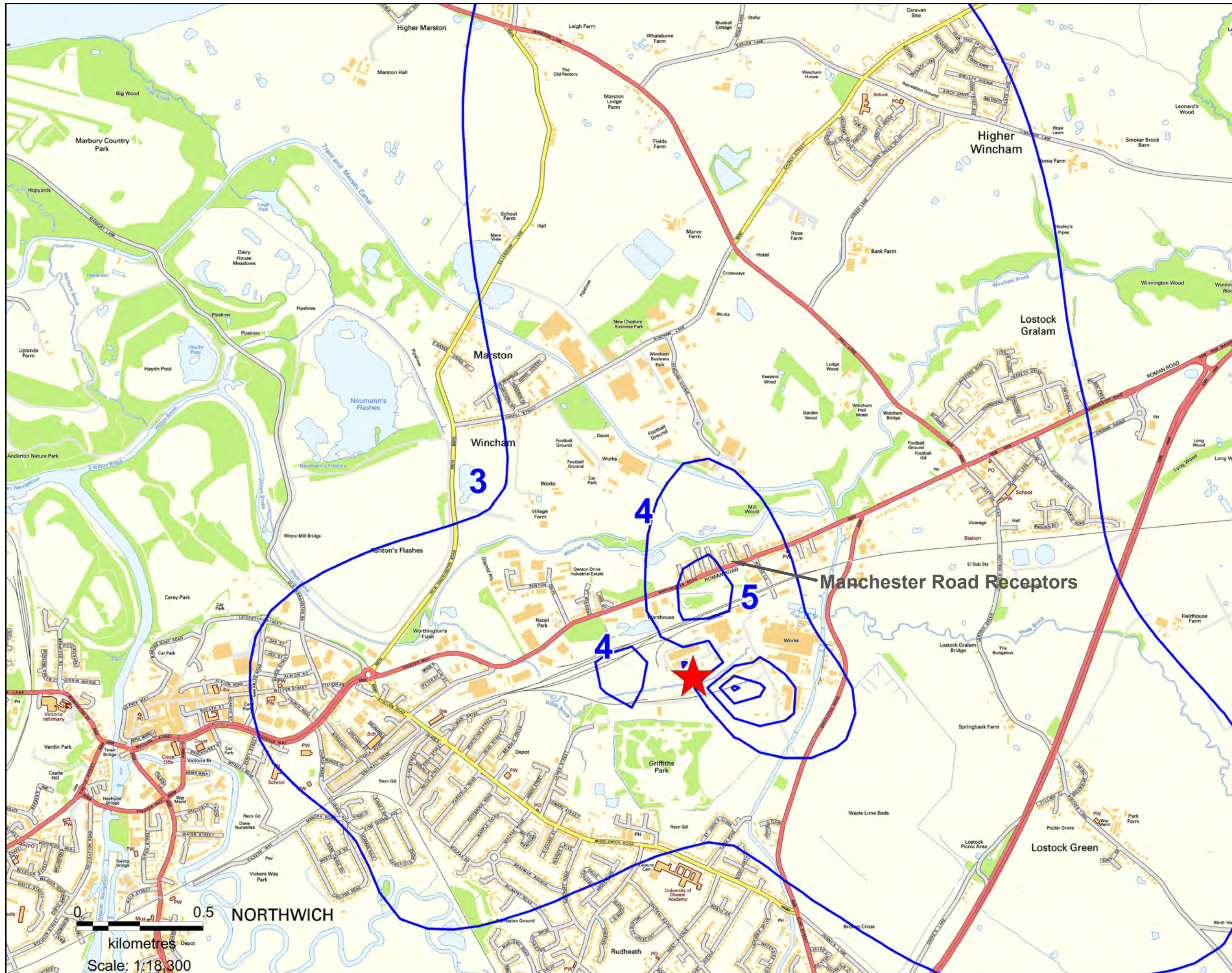
Title: 99.79th Percentile Hourly-Mean NO₂ Process Contribution (µg.m⁻³)



Date: 26/08/15 Scale: Not to scale

Drawn: RC Checked: DS Job Ref: JAS8407

Figure Number: 10.D Rev: 0

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 Approx. Source of Emissions
 PC

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Project: REnescence Northwich

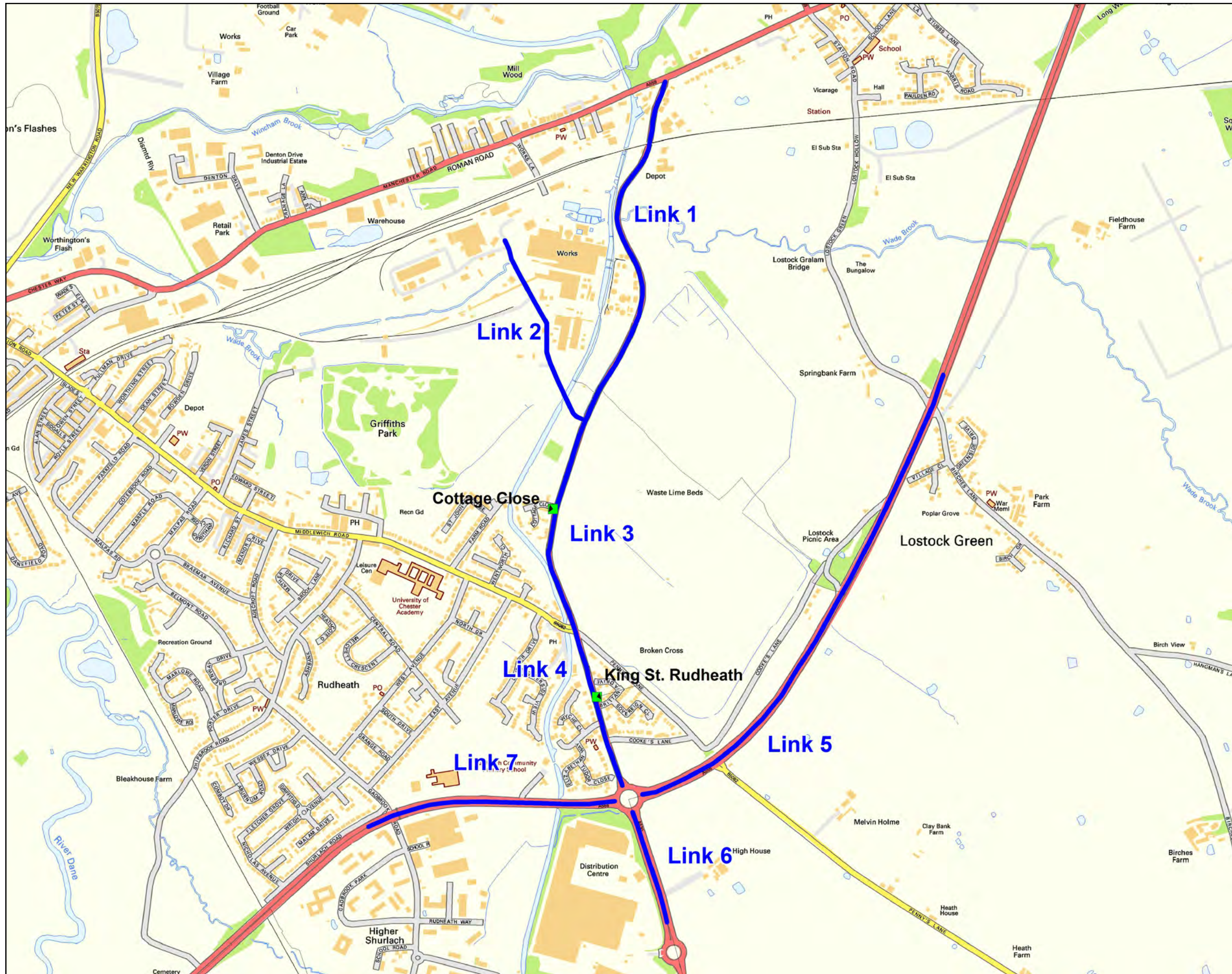
Title: Annual-Mean Cumulative NO₂ Process Contribution (µg.m⁻³)

Date: 26/08/15 Scale: Not to scale

Drawn: RC Checked: DS Job Ref: JAS8407

Figure Number: 10.E Rev: 0

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■ Diffusion Tube Location
— Modelled Road

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Client: DONG Energy Limited

Project: REnescence Northwich

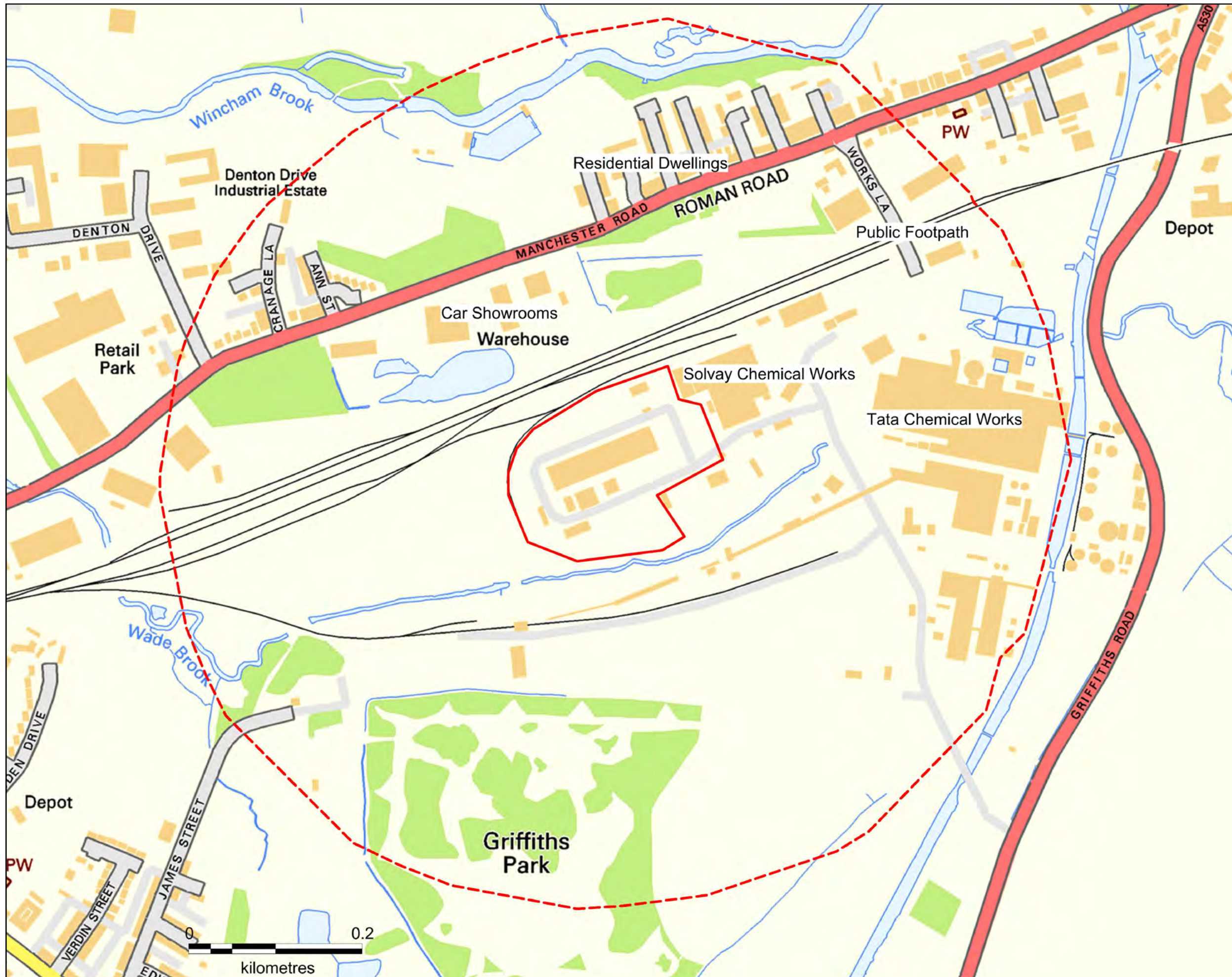
Title: Model Performance Study



Date: 26/08/15 Scale: Not to scale

Drawn: RC Checked: DS Job Ref. JAS8407

Figure Number: **10.F** Rev: **0**

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 Approximate Site Boundary
 400 m Buffer

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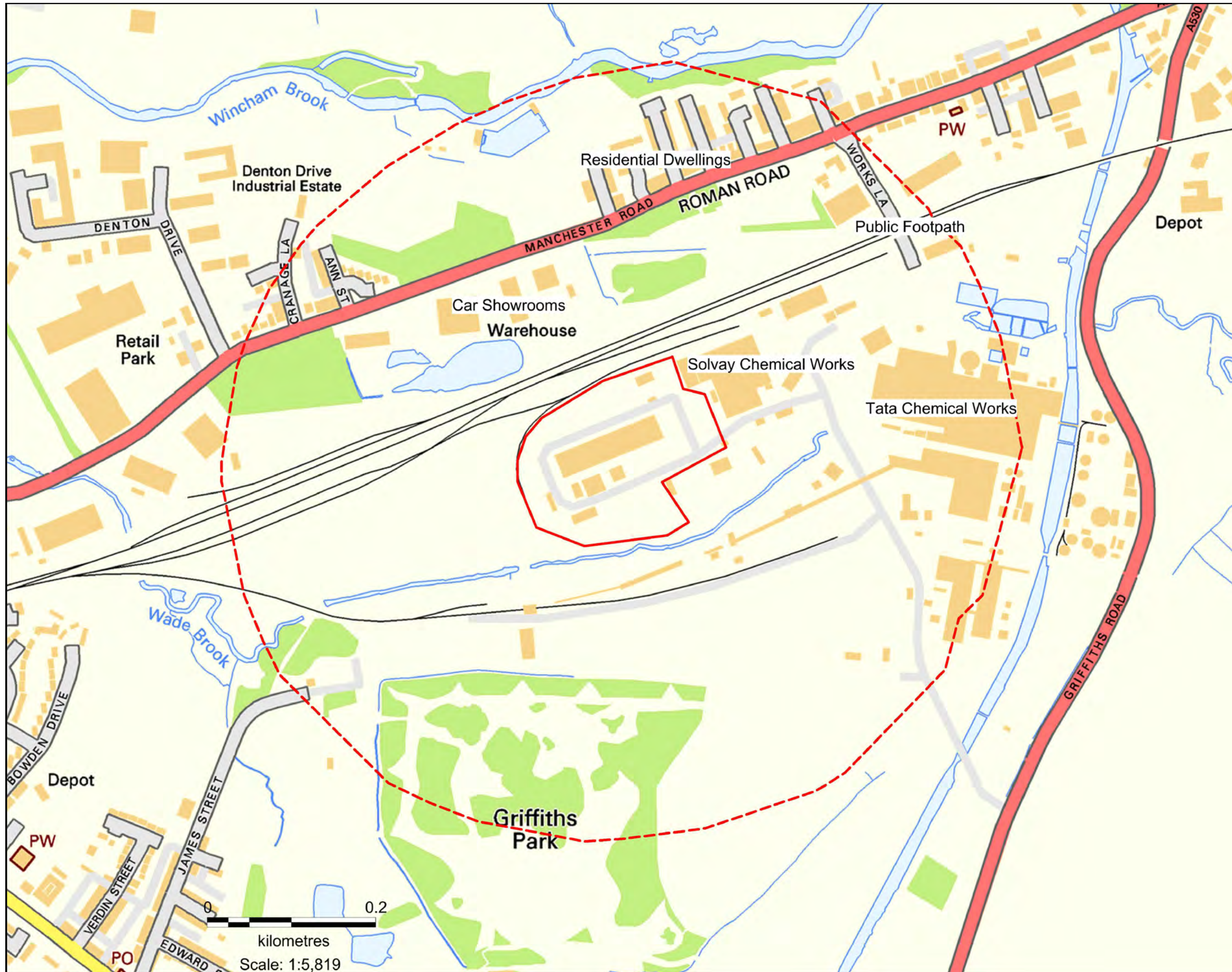
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Client: DONG Energy Limited
 Project: REnescence Northwich
 Title: Sensitive Receptors to Odour

Date: 22/09/15 Scale: Not to scale
 Drawn: RC Checked: DS Job Ref: JAS8407

Figure Number: 10.G Rev: 0
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350 m Buffer
 Approximate Site Boundary

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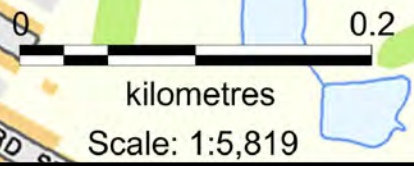
East Sussex
E rpsbn@rpsgroup.com

BN1 6AH
W www.rpsgroup.com



Client: DONG Energy Limited
 Project: REnescence Northwich
 Title: Sensitive Receptors to Dust
 Date: 22/09/15 Scale: Not to scale
 Drawn: RC Checked: DS Job Ref: JAS8407

Figure Number: **10.H** Rev: **0**
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Rev	Description	Date	Initial	Checked



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Client DONG Energy Limited

Project REnaissance Northwich

Title Baseline Sound Monitoring Locations

Date Created Aug 2015 Drawn By SH PM/Checked By PE

Job Ref. JAS8407

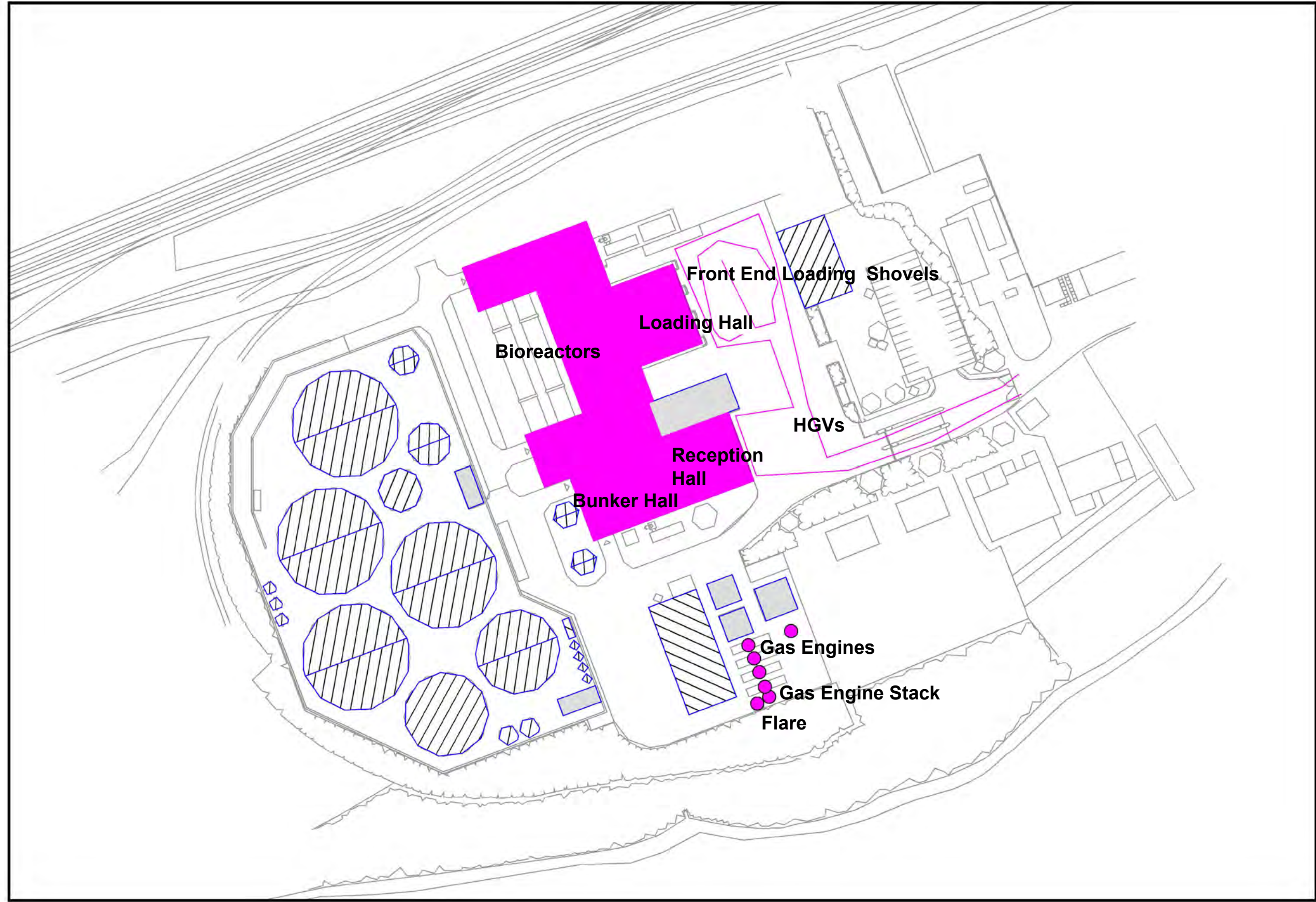
Figure Number Figure 11.A Rev 0

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V4F11.A_Baseline_Sound_Monitoring_Locations

V4F11.A_Baseline_Sound_Monitoring_Locations



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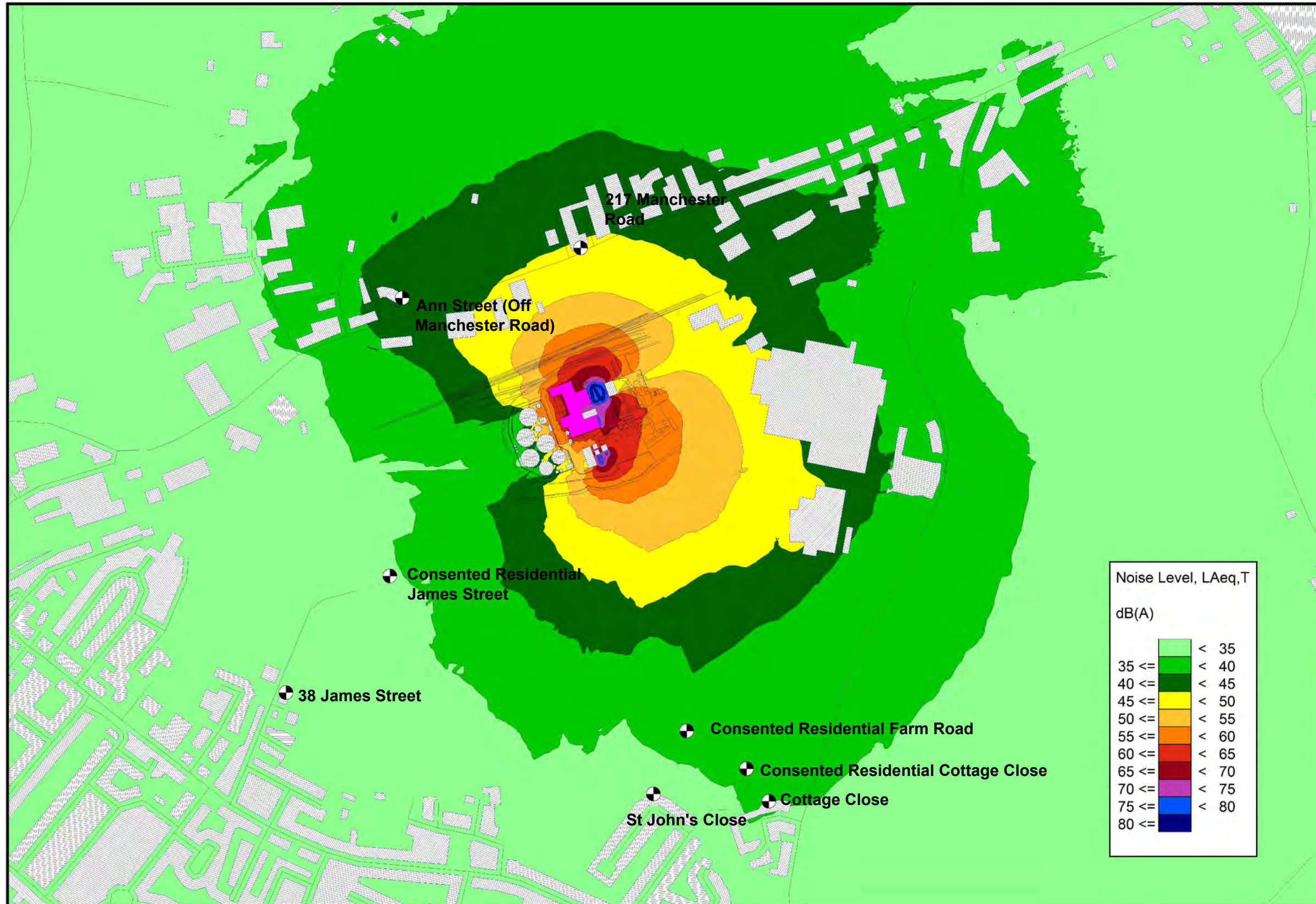
Project REnescience Northwich

Title Site Plan Indicating Location of Modelled External Sound Sources and Sound Generating Buildings

Date Created Sept 2015 Drawn By SH PM/Checked By PE

Job Ref. JAS8407

Figure Number Rev
 Figure 11.B 1



Rev	Description	Date	Initial	Checked



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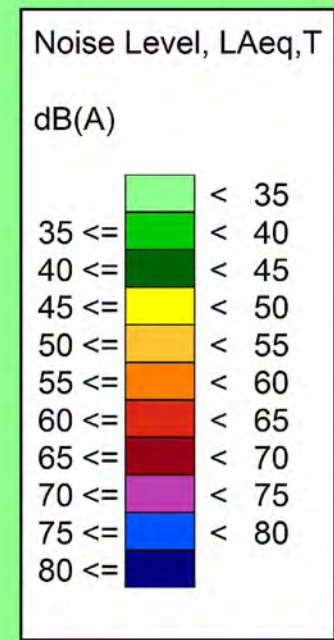
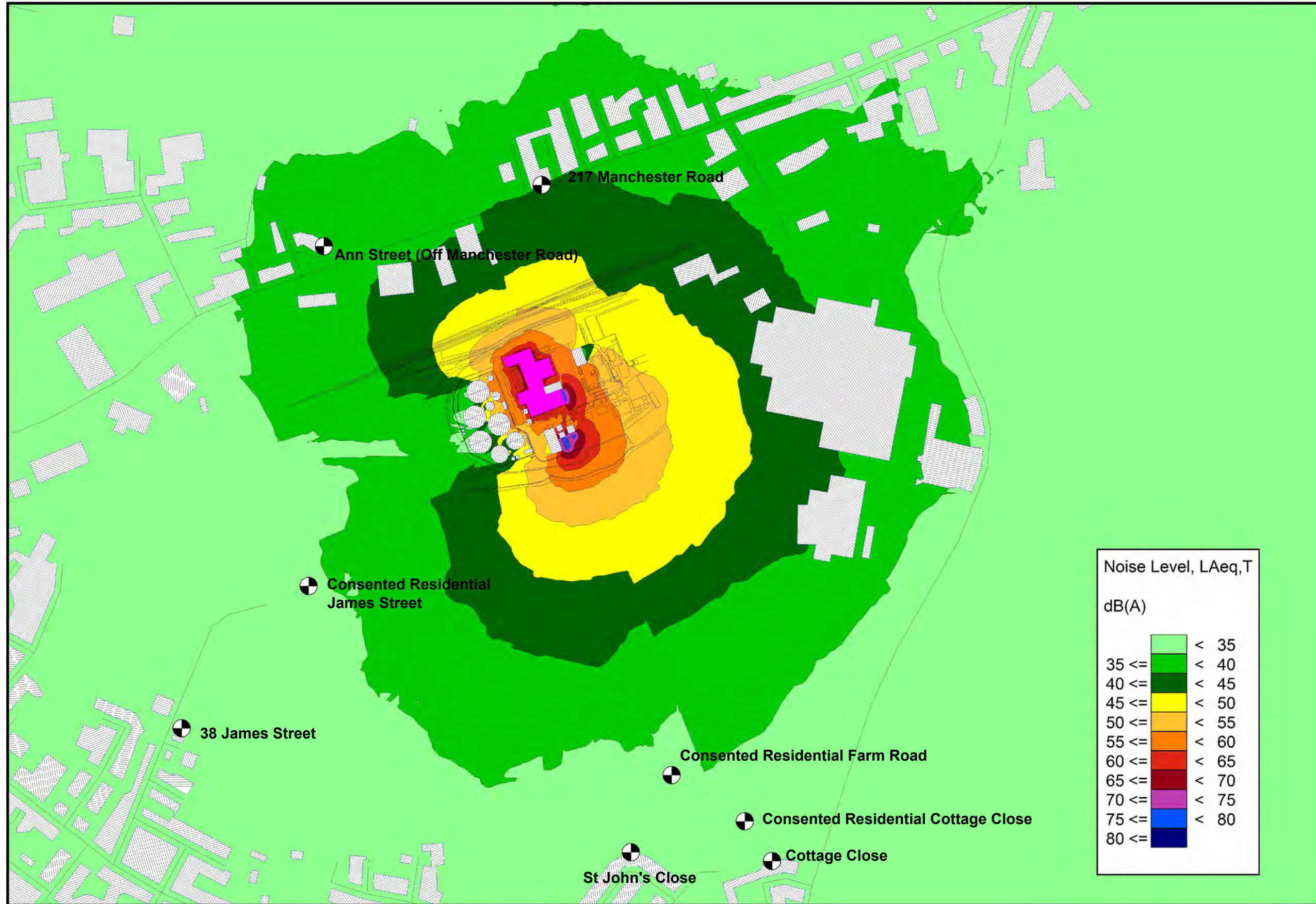
Project REnescience Northwich

Title Modelled Specific Sound Level-
 Daytime (07:00 - 23:00) Contour
 at 4 m

Date Created Aug 2015 Drawn By SH PM/Checked By PE

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Figure Number Rev
 Figure 11.C 0



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Title Modelled Specific Sound Level -
 Night-time (23:00 - 07:00)
 Contour at 4 m

Date Created Aug 2015 Drawn By SH PM/Checked By PE

Job Ref. JAS8407

Figure Number Rev
 Figure 11.D 0